

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001 for Establishment of a Fabrication shop to supply factory finished structures to BHEL Project Sites Across India.”

A) Modification in Technical Conditions of Contract (TCC) – Volume-IA: Some clauses of existing TCC are revised and some clauses are added in the existing TCC as mentioned below:

Sl. No.	EXISTING CLAUSE		REVISED CLAUSE	
	Clause No.		Clause No.	
1	Chapter-II: Scope of Work Clause No. 2.1.A (xiii)	New Clause added	Chapter-II: Scope of Work Clause No. 2.1.A (xiii)	<u>Execution of enabling works:</u> Upon Completion of Contract and Extension (if any), Vendor shall demobilize its Tools and Plant, Scrap and Balance raw material (if any) from the Factory, within reasonable time period.
2	Chapter-II: Scope of Work Clause No. 2.1.A (xiv)	New Clause added	Chapter-II: Scope of Work Clause No. 2.1.A (xiv)	<u>Execution of enabling works:</u> The permanent facilities such as shed, lighting poles, gate, etc. (excluding Scrap, Balance raw material & Tools and Plants such as EOT, gantry, CNC machines etc.) created under this contract shall be a property of BHEL. BHEL shall have the option to buy back the tools and plant on mutually agreed terms and conditions and as per accounting standards, upon completion of the contractual period, including any extensions thereof. However, if BHEL desires to dismantle the created facilities, dismantling of all created facilities shall be in vendor scope. In this case, vendor shall handover the encumbrance free land to BHEL within reasonable time after completion of work/contract period including any extension thereof.
3	Chapter-II: Scope of Work	New Clause added	Chapter-II: Scope of Work Clause No. 2.1.A (xvi)	<u>Execution of enabling works:</u> The vendor shall mobilize brand-new sheds and all necessary tools and plants (T&Ps) required for the execution of the work. All such

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	EXISTING CLAUSE		REVISED CLAUSE	
	Clause No.		Clause No.	
	Clause No. 2.1.A (xvi)			equipment and facilities shall be new, unused, and of first quality at the time of mobilization. The vendor shall provide applicable guarantees or warranties from the original manufacturers for the shed structure and all T&Ps, as relevant. These guarantees/warranties shall cover manufacturing defects, performance issues, and fitness for intended use for the duration specified by the manufacturer. The vendor shall ensure that all equipment remains in good working condition throughout the contract period, and shall be responsible for timely maintenance, repair, or replacement as needed, without impacting project timelines.
4	Chapter-II: Scope of Work Clause No. 2.1.A (xvii)	New Clause added	Chapter-II: Scope of Work Clause No. 2.1.A (xvii)	<u>Execution of enabling works:</u> The Contractor/Vendor shall, at its own cost and prior to commencement of establishment of factory, procure and maintain valid and adequate insurance policies for the factory establishment and operations. These policies must cover all risks associated with fabrication work, including but not limited to material theft, construction, operation, and maintenance of the factory, excluding transit insurance of fabricated structure to BHEL project site.
5	Chapter-II: Scope of Work Clause No. 2.1.F (3)	Online and Real-time Access: The system shall be hosted online and allow authorized users to access real-time data from any location with an internet connection. The system should support web-based and mobile applications for easy access to key information.	Chapter-II: Scope of Work Clause No. 2.1.F (3)	Previous clause stands deleted. <u>Online and Real-time Access:</u> Revised clause is as under: A web-based system shall be hosted online and allow authorized users to access real-time data from any location with an internet connection.

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	EXISTING CLAUSE		REVISED CLAUSE	
	Clause No.		Clause No.	
6	Chapter-II: Scope of Work Clause No. 2.11	As per TCC Volume-IA	Chapter-II: Scope of Work Clause No. 2.11	Previous clause stands deleted. Revised clause is as under: Both Vendor shall arrange an office space for 8-10 employees of BHEL with Desktop computers/laptops with Internet Facility which should be capable of running the latest versions of TEKLA, AutoCAD, and STAAD Pro V8 software, printers, scanners and other necessary IT equipment, AC, furniture, drinking water, toilet facility etc. For Maintenance, both the Vendors shall depute 2 nos. of Staff (for menial works) for the contract period along with extended period (if any). No Extra payment shall be made against the aforementioned facilities.
7	Chapter-II: Scope of Work Clause No. 2.18.5	As per TCC Volume-IA	Chapter-II: Scope of Work Clause No. 2.18.5	Stands Deleted.
8	Chapter-II: Scope of Work Clause No. 2.31	GUARANTEE FOR THE FINISHED GOODS (Defect Liability of the fabricated material): The Vendor shall warrant that the fabrications comply fully with the drawings and other technical conditions specified by BHEL. If the fabrications are found defective owing to faulty workmanship/incomplete work within a period of Twelve months from the date of receipt of each	Chapter-II: Scope of Work Clause No. 2.31	GUARANTEE FOR THE FINISHED GOODS (Defect Liability of the fabricated material): The Vendor shall warrant that the fabrications comply fully with the drawings and other technical conditions specified by BHEL. If the fabrications are found defective owing to faulty workmanship/incomplete work within a period of Twelve months from the date of receipt of each item at site, the Vendor shall do the necessary repair/rework or replace the defective items free of

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	EXISTING CLAUSE		REVISED CLAUSE	
	Clause No.		Clause No.	
		item at site, the Vendor shall do the necessary repair/rework or replace the defective items free of cost. Alternatively, the rework/replacement charges shall be recovered from any payables to vendor, if necessary repair/rework or replacement of defective items are not done within reasonable time specified by BHEL and has been carried out by BHEL.		cost. Alternatively, the rework/replacement charges shall be recovered from any payables to vendor, if necessary repair/rework or replacement of defective items are not done within reasonable time specified by BHEL and has been carried out by BHEL. Latent Defects Liability: The contractor's liability for latent defects warranty shall be limited to a period of 12 (Twelve) months from the end of Contract period. For the purpose of this clause, the latent defects shall be the defects inherently lying within the material or arising out of deficiency which do not manifest themselves during the Defects Liability Period mentioned above.
9	Chapter-II: Scope of Work Clause No. 2.32.11	A quantity equivalent to 2000 MT/Month is a minimum assured quantity which shall be provided by BHEL in terms of drawings as a guaranteed quantity of structures which shall be fabricated by vendor per month. However, in case BHEL is not able to provide the minimum assured quantity of drawings for each month, vendor is not eligible to claim any extra compensation for the same.	Chapter-II: Scope of Work Clause No. 2.32.11	A quantity equivalent to 2000 MT/Month is a minimum assured quantity which shall be provided by BHEL in terms of drawings as a guaranteed quantity of structures which shall be fabricated by vendor per month.
10	Chapter-II: Scope of Work Clause No. 2.37.13	New Clause added	Chapter-II: Scope of Work Clause No. 2.37.13	In exceptional circumstances, as determined solely by BHEL, the Contractor may be instructed to carry out fabrication of structural components at their own works and supply fully factory-finished structures to the project site. The decision regarding such exceptional circumstances shall be at the sole discretion of BHEL and shall be binding on the Contractor.

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	EXISTING CLAUSE		REVISED CLAUSE	
	Clause No.		Clause No.	
				The location of the Contractor's works where fabrication is to be carried out shall be subject to prior approval by BHEL and/or the Customer. The Contractor shall ensure that such fabrication works meet all quality, specification, and inspection requirements as stipulated by BHEL/Customer. For such factory-finished structures, the Contractor shall be compensated extra under clause 2.28 of GCC: Supplementary Items. The Contractor hereby agrees that upon issuance of such instruction by BHEL, the fabrication and supply obligations under this clause shall become binding and shall be executed without delay or deviation.
11	Chapter - III: Time Schedule Clause no. 3.2 Note:2	No compensation shall be given to the Fabricator; in case of quantity variation to any extent.	Chapter - III: Time Schedule Clause no. 3.2 Note:2	Stands Deleted
12	Chapter - IV: Terms of Payment Clause No. 4.2.3.v	Fixed Deposit Receipt (FDR) issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Vendor, a/c BHEL).	Chapter - IV: Terms of Payment Clause No. 4.2.3.v	Fixed Deposit Receipt (FDR) issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Vendor, a/c BHEL). In case the Vendor, is a company within the meaning of the Companies Act, lien created on FDR of Vendor in favour of BHEL constitutes a charge as defined under Section 2(16) of the said Act. Accordingly, the Vendor shall, at its own cost and within the statutory period prescribed, register the particulars of such charge

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	EXISTING CLAUSE		REVISED CLAUSE	
	Clause No.		Clause No.	
				with the Registrar of Companies in accordance with Section 77 of the Companies Act, 2013. The Vendor shall provide BHEL with a copy of the certificate of registration issued by the Registrar as evidence of such compliance in a timely manner.
13	Chapter - IV: Terms of Payment Clause No. 4.4	Performance Security Clause: Performance Security for the contract shall be calculated on annualized basis. a) Performance Security shall be 5% of Annualized Contract value within 15 days from the date of issuance of Purchase order for a period of 1 year for each individual year of the Contract. b) In case of increase in contract value, additional 5% of annualized differential/increased amount shall be submitted by Contractor before payment of next RA Bill due. c) Performance Security may be accepted in the following forms: - i. Cash (as permissible under the extant Income Tax Act). ii. Local cheques of Scheduled Banks (subject to realization)/ Pay Order/ Demand Draft/ Electronic Fund Transfer in favour of BHEL. iii. Securities available from Indian Post offices such as National Savings Certificates, Kisan Vikas Patras etc. (held in the name of Contractor furnishing the security	Chapter - IV: Terms of Payment Clause No. 4.4	4.4 Performance Security/Security Deposit: Security Deposit for the contract shall be calculated on annualized basis. Cash portion of the EMD of the successful tenderer shall be converted and adjusted towards the required amount of Security Deposit. 4.4.1 Upon acceptance of Tender, the successful bidder shall be required to deposit 5% of Annualized Contract value within 15 days from the date of issuance of LOI/LOA/WO as Security Deposit for a period of 1 year for each individual year of the contract towards fulfilment of any obligations in terms of the provisions of the contract. 4.4.2 The security Deposit shall be furnished before start of the work by the Vendor. 4.4.3 The required Security Deposit may be accepted in the following forms. i) Cash (as permissible under the extant Income Tax Act). ii) Local cheques of Scheduled Banks (subject to realization)/ Pay Order/ Demand Draft/ Electronic Fund Transfer in favour of BHEL. iii) Securities available from Indian Post offices such as National Savings Certificates, Kisan Vikas Patras etc. (held in the name of Contractor furnishing the security and duly

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	EXISTING CLAUSE		REVISED CLAUSE	
	Clause No.		Clause No.	
		and duly endorsed/ hypothecated / pledged, as applicable, in favor of BHEL). iv. Bank Guarantee from Scheduled Banks/ Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format for Performance Security Amount shall be in the prescribed formats. The validity of BG shall be initially for the entire contract period + Performance guarantee period of 12 months + 3 months claim period. The BG shall be extended up to completion of Performance guarantee period + 3 months claim period from the date of supply of last consignment. v. Fixed Deposit Receipt (FDR) issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Vendor, a/c BHEL). vi. Insurance Surety Bonds. d) BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith. e) Refund of Performance Security amount shall be released after completion of Performance Guarantee period and after deduction of all expenses/ other amounts due to BHEL under the contract/ other contracts entered into with them (Vendor) by BHEL.		endorsed/ hypothecated/ pledged, as applicable, in favour of BHEL). iv) Bank Guarantee from Scheduled Banks/ Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format for Security Deposit shall be in the prescribed formats. The validity of BG shall be initially for the entire contract period + Performance guarantee period of 12 months + 3 months claim period. The BG shall be extended up to completion of Performance guarantee period + 3 months claim period from the date of supply of last consignment. v) Fixed Deposit Receipt issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Contractor, a/c BHEL). Specific lien in favour of BHEL on the FDR shall be marked and letter from the Bank having created such lien in the format shall be submitted along with FDR. In case the Vendor, is a company within the meaning of the Companies Act, lien created on FDR of Vendor in favour of BHEL constitutes a charge as defined under Section 2(16) of the said Act. Accordingly, the Vendor shall, at its own cost and within the statutory period prescribed, register the particulars of such charge with the Registrar of Companies in accordance with Section 77 of the Companies Act, 2013. The Vendor shall provide BHEL with a copy of the certificate of registration issued by the Registrar as evidence of such compliance in a timely manner. vi) Insurance Surety Bonds. 4.4.4 The Security Deposit shall not carry any interest.

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	EXISTING CLAUSE		REVISED CLAUSE	
	Clause No.		Clause No.	
				4.4.5 BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith. 4.4.6 In In case of delay in submission of Security Deposit, enhanced security deposit which would include interest (Repo rate + 4%) for the delayed period, shall be submitted by the bidder before submission of first bill. 4.4.7 In case the value of work exceeds the awarded / accepted value, the Security Deposit shall be correspondingly enhanced as given below: i) In In case of increase in contract value, additional 5% of annualized differential/ increased amount shall be submitted by Vendor before payment of next RA Bill due or adjusted against payments due to the Vendor. ii) Contract value for the purpose of operating the increased value of Security Deposit due to Quantity Variation, shall be exclusive of Price Variation Clause and Extra works done on man-day rates. iii) The recoveries made from running bills can be released against submission of equivalent Bank Guarantee in acceptable form, but only once, before completion of work, with the approval of competent authority of BHEL. 4.4.8 BHEL reserves the right of forfeiture of Security Deposit in addition to other claims, damages and remedies in the event of the Vendor's failure to fulfill any of the contractual

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	EXISTING CLAUSE		REVISED CLAUSE	
	Clause No.		Clause No.	
				obligations or in the event of termination of contract as per terms and conditions of contract. BHEL reserves the right to set off the Security Deposit against any claims of other contracts with BHEL by giving prior notice to the Vendor. 4.4.9 RETURN OF SECURITY DEPOSIT Security Deposit amount shall be released upon fulfillment of contractual obligations as per terms of the contract and after completion of the Performance Guarantee period and after deduction of all expenses/ other amounts due to BHEL under the contract/ other contracts entered into with them (Vendor) by BHEL.
14	Chapter - IV: Terms of Payment Clause No. 4.5	New Clause added	Chapter - IV: Terms of Payment Clause No. 4.5	Interest Free Secured Mobilization Advance as per GCC will be payable under exceptional circumstances on certification of BHEL Resident Manager at Site. Interest Free Mobilization Advance shall be disbursed in specifically mentioned stages of major respective resource mobilization as specified hereunder: 1. For Commencement of factory establishment work - <u>1.0%</u> of Contract value. 2. For Mobilization of <u>required T&Ps and resources</u> – <u>2.0%</u> of Contract value. 3. For Completion of factory establishment including all applicable statutory compliance – <u>2.0%</u> of Contract value. <u>Note:</u>

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	EXISTING CLAUSE					REVISED CLAUSE											
	Clause No.					Clause No.											
							1. BHEL shall be the deciding authority for assessing the admissibility of advance payment to Vendor. 2. In case Vendor do not fulfil the agreed conditions of payment of earlier mobilization advance, BHEL Resident Manager will have the authority to not allow the subsequent mobilization advance to the Vendor.										
15	Chapter - VIII: Price Bid and Modality of Award – Clause No. 8.1.1 Section-B	Section-B Special Resources <table><tr><th>Sl. No</th><th>Description</th><th>Qty</th><th>UOM</th><th>Fixed Value</th></tr><tr><td>1</td><td>Establishment of a Fully Functional office for BHEL Staff</td><td>1</td><td>Lumpsum</td><td>₹ 59,17,844.20</td></tr></table> PVC and ORC are not applicable on Section-B				Sl. No	Description	Qty	UOM	Fixed Value	1	Establishment of a Fully Functional office for BHEL Staff	1	Lumpsum	₹ 59,17,844.20	Chapter - VIII: Price Bid and Modality of Award – Clause No. 8.1.1 Section-B	Section B – Stands Deleted. Bidders are requested to kindly refer revised clause no. 2.11 & Clause no. 8.1.1 of revised TCC for Quoting Price. Overrun Compensation (ORC) shall not be applicable for this tender.
Sl. No	Description	Qty	UOM	Fixed Value													
1	Establishment of a Fully Functional office for BHEL Staff	1	Lumpsum	₹ 59,17,844.20													
16	Chapter - VIII: Price Bid and Modality of Award – Clause No. 8.2.ii.(b)	Price bids of qualified bidders shall be evaluated for ‘Section-A of Package-A’ Excluding ‘Section-B and Section-C’ for which the amount is Pre-fixed by BHEL for the construction of the BHEL office Space and Transportation Charges. Based on the “Total Price (exclusive of GST)” excluding Section-B and Section-C all qualified Bidders shall be aligned in order of Price Competitiveness (i.e. L-1, L-2, L-3 and henceforth).				Chapter - VIII: Price Bid and Modality of Award – Clause No. 8.2.ii.(b)	Price bids of qualified bidders shall be evaluated for ‘Section-A of Package-A’ Excluding ‘Section-B and Section-C’ for which the amount is Pre-fixed by BHEL for the construction of the BHEL office Space and Transportation Charges. Based on the “Total Price (exclusive of GST)” excluding Section-B and Section-C all qualified Bidders shall be aligned in order of Price Competitiveness (i.e. L-1, L-2, L-3 and henceforth).										

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	EXISTING CLAUSE		REVISED CLAUSE	
	Clause No.		Clause No.	
17	Chapter - VIII: Price Bid and Modality of Award Clause No. 8.2.ii.(d)	For this procurement, purchase preference to MSE-MII shall be in line with Office Order No. F. No. DPE/3(3)/10-Fin dated 29.05.2023 forwarded by Department of Public Enterprises against Department of Expenditure O M No. F.1/4/2021-PPD dated 18.05.2023. In case of subsequent orders issued by the nodal ministry, changing the definition of MSE, the same shall be applicable even if issued after issue of this NIT, but before opening of Part-II bids against this NIT.	Chapter - VIII: Price Bid and Modality of Award Clause No. 8.2.ii.(d)	Stands Deleted
18	Chapter - IX: Taxes and Duties Clause No. 9.5	New Clause added	Chapter - IX: Taxes and Duties Clause No. 9.5	BOCW Act & Cess Act

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	EXISTING CLAUSE				REVISED CLAUSE					
	Clause No.				Clause No.					
19	Annexure – B Clause no. 10.3 (iv)	Annexure – B: Price Variation Compensation (PVC):				Annexure – B Clause no. 2 (iv)	Annexure – B: Price Variation Compensation (PVC):			
		CATEGORY	INDEX/ AVERAGE MINIMUM WAGE	PERCENT AGE COMPON ENT (‘K’) FABRICA TION Material in Vendor scope	PERCENTA GE COMPON ENT (‘K’) Transporta tion		CATEGORY	INDEX/ AVERAGE MINIMUM WAGE	PERCENTAGE COMPONENT (‘K’) FABRICATIO N Material in Vendor scope	PERCENTAGE COMPONENT (‘K’) Transportation
		STEEL (Structural)	Name of Commodity: MILD STEEL: LONG PRODUCTS Commodity Code: 1314040000	57	0		STEEL (Structural)	JPC Rate of 12 mm Thick plates (Average monthly rate of rates issued by Joint Plant Committee for average of Delhi & Kolkata region, Constituted by Govt. of India) (Website: https://trichyintras.bhel.in/mm/)	57	0
20	Annexure – B Clause no. 10.5	X_N = Revised Index for Labour, Revised Average Minimum Wages for Labour, Revised Index for High Speed Diesel Oil, Welding Rod, Paint, Cement, Steel and Materials for the billing month under consideration				Annexure – B Clause no. 4	X_N = Revised Index for Labour, Revised Average Minimum Wages for Labour, Revised Index for High Speed Diesel Oil, Welding Rod, Paint, Cement and Materials for the billing month under consideration. For Steel, revised average monthly rate of rates issued by JPC for average of Delhi & Kolkata region shall be “n-1” month.			

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	EXISTING CLAUSE		REVISED CLAUSE	
	Clause No.		Clause No.	
21	Annexure – B Clause no. 9	New clause added	Annexure – B Clause no. 9	If the price of steel procured by the Vendor increase by more than 10% compared to the price of the same product from the same supplier in the immediately preceding month, and this variation is not adequately captured in the relevant index (specifically, JPC rate change), the Vendor may submit a claim to BHEL. Such a claim must be accompanied by appropriate documentary evidence, including but not limited to supplier invoices, purchase orders, and other materials substantiating the price change. BHEL will review the claim in good faith and may, at its sole discretion, approve suitable compensation, subject to the merits of the case and the applicable terms of the contract. All claims under this provision must be submitted within 15 days from the date the price variation is identified.
22	Note: Revised TCC is attached. Changes are highlighted. Bidders are requested to go through the complete TCC for preparation of their offer			

B) Modification in NOTICE INVITING E-TENDER: Some clauses of existing NIT are revised and some clauses are added in the existing NIT as mentioned below:

Sl. No.	EXISTING CLAUSE		REVISED CLAUSE	
	Clause No.		Clause No.	
1	Notice Inviting E-Tender (NIT) Clause No. 3.1 to 3.6	EARNEST MONEY DEPOSIT (EMD)	Notice Inviting E-Tender (NIT) Clause No. 3.1 to 3.6	Stands Deleted. Revised <u>EARNEST MONEY DEPOSIT (EMD)</u> shall be as per clause no. 2.12 of Revised General Commercial Terms & Conditions of GCC

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	EXISTING CLAUSE		REVISED CLAUSE							
	Clause No.		Clause No.							
				(Volume-IC) - “Document No.: PS: CPC: MM: PUR: GCC: Rev02 Dated 07 March 2025; Amendment 01 Dated 16th May 2025”.						
2	Notice Inviting E-Tender (NIT) Clause No. 30(A)	New Clause added	Notice Inviting E-Tender (NIT) Clause No. 30(A)	<u>PERFORMANCE OF BIDDERS:</u> BHEL shall assess the performance of the bidder under category “Structural Steel Fabrication & Erection”, based on the parameters as decided by BHEL, which shall be the basis of any contractual action and further ordering process. - Monthly Performance’ of the bidder for all the package covered under the tendered scope shall be captured for the packages Under execution’. (refer Table-1) - The monthly performance rating, shall be calculated as per Online Systems i.e. Contractor Performance Evaluation System (CPES) and Safety Performance Evaluation System (HSEPES). The scores assigned in HSEPES shall be scaled down to 10 and assigned in CPES against the category “HSE”. - Explanatory note: Identified Packages (Unit wise) <u>Table-1</u> <table><tr><th>Civil</th><th>Electrical and C&I</th><th>Mechanical</th></tr><tr><td>i). Enabling works ii). Pile and Pile Caps iii). Civil Works including foundations</td><td>i). Electrical ii). C&I iii). Others (Elect. and C&I) iv). Electrical Enabling Works</td><td>i). Boiler & Aux (All types including CW Piping if applicable) ii). Power Cycle Piping/Critical Piping iii). ESP iv). LP Piping</td></tr></table>	Civil	Electrical and C&I	Mechanical	i). Enabling works ii). Pile and Pile Caps iii). Civil Works including foundations	i). Electrical ii). C&I iii). Others (Elect. and C&I) iv). Electrical Enabling Works	i). Boiler & Aux (All types including CW Piping if applicable) ii). Power Cycle Piping/Critical Piping iii). ESP iv). LP Piping
Civil	Electrical and C&I	Mechanical								
i). Enabling works ii). Pile and Pile Caps iii). Civil Works including foundations	i). Electrical ii). C&I iii). Others (Elect. and C&I) iv). Electrical Enabling Works	i). Boiler & Aux (All types including CW Piping if applicable) ii). Power Cycle Piping/Critical Piping iii). ESP iv). LP Piping								

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	EXISTING CLAUSE		REVISED CLAUSE			
	Clause No.		Clause No.			
				iv). Structural Steel Fabrication & Erection v). Chimney vi). Cooling Tower vii). Others (Civil)		v). Steam Turbine Generator set & Aux vi). Gas Turbine Generator set & Aux vii). Hydro Turbine Generator set & Aux viii). Turbo Blower (including Steam Turbine) ix). Material Management x). FGD xi). ACC xii). Others (Mechanical)
				• ‘Under execution’ shall mean works in progress as per the following: (a). Up to execution of 90% of anticipated Contract Value in case of Civil, MM, Structural and Turbo Blower Packages (b). Up to Steam Blowing in case of Boiler/ESP/Piping Packages (c). Up to Synchronization in all Balance Packages Note: BHEL at its discretion can extend (or reduce in exceptional cases in line with Contract conditions) the period defined against (a), (b) and (c) above, depending upon the balance scope of work to be completed. • Contractor shall provide the latest contact details i.e. mail-ID and Correspondence Address to SCT Department, so that same can be entered in the Contractor Performance Evaluation System, and in case of any change/discrepancy same shall be informed immediately. Login Details for viewing scores in Contractor Performance Evaluation System shall be provided to the Contractor by SCT Department.		

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	EXISTING CLAUSE		REVISED CLAUSE	
	Clause No.		Clause No.	
				•Performance Evaluation for Activity Month shall be completed in Evaluation Month (i.e. month next to Activity Month) or in rare cases in Post Evaluation Month (i.e. month next to Evaluation Month) after approval from Competent Authority. In case scores are not acceptable, Contractor can submit Review Request to GM Site/ GM Project latest by 27th of Evaluation Month or 5 days after approval of score, whichever is later. However, acceptance/rejection of 'Review Request' solely depends on the discretion of GM Site/GM Project. After acceptance of Review Request, evaluation score shall be reviewed at site and the score after completion of review process shall be acceptable and binding on the contractor. •Project on Hold due to reasons not attributable to bidder - • Short hold: Evaluation shall not be applicable for this period. • Long hold: Short hold for continuous six months and beyond or hold on account of Force Majeure shall be considered as Long Hold. Evaluation shall not be considered for this period. •Performance evaluation as specified above in this clause is applicable to Prime bidder and Consortium partner (or Technical tie up partner) for their respective scope of work.
3	NIT: PRE-QUALIFYING REQUIREMENTS (PQR): OPTION-1: Financial QR: B.1	Bidders must have achieved an average annual financial turnover (Audited) of Rs. 342 Crore or more, over the last three Financial Years (FY) i.e. '2021-2022, 2022-23 and 2023-2024'.	NIT: PRE-QUALIFYING REQUIREMENTS (PQR): OPTION-1: Financial QR: B.1	Bidders must have achieved an average annual financial turnover (Audited) of Rs. 318 Crore or more , over the last three Financial Years (FY) i.e. '2021-2022, 2022-23 and 2023-2024'.

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	EXISTING CLAUSE		REVISED CLAUSE	
	Clause No.		Clause No.	
4	NIT: PRE-QUALIFYING REQUIREMENTS (PQR): OPTION-1: Financial QR: B.3	Qualifying Requirements in addition to existing Financial Qualification Requirement. Bidder must have, achieved/Executed any one of the following (i.e. 1(a) or 1(b)) and (2(a) or 2(b)): 1(a). The bidder shall submit a certificate for any of the below mentioned instruments of value/limit not less than Rs. 114 Cr. from any Scheduled Commercial Non-Cooperative Bank/Nationalised Bank/Indian Post Office, as on date not earlier than the date of NIT: i) Cash ii) Bank Guarantee iii) Fixed Deposit (For Sl. No.1(a)- i, ii, iii above certificate as per Annexure-1) iv) Securities available from Indian Post offices such as National Savings Certificates, Kisan Vikas Patras etc. (Annexure-2) -OR- 1(b). The bidder shall submit a certificate for Insurance Surety Bond from any Insurance Company (IRDA approved) for a value not less than Rs.	NIT: PRE-QUALIFYING REQUIREMENTS (PQR): OPTION-1: Financial QR: B.3	Qualifying Requirements in addition to existing Financial Qualification Requirement. Bidder must have, achieved/Executed any one of the following (i.e. 1(a) or 1(b)) and (2(a) or 2(b)): 1(a). The bidder shall submit a certificate for any of the below mentioned instruments of value/limit not less than Rs. 106 Cr. from any Scheduled Commercial Non-Cooperative Bank/Nationalised Bank/Indian Post Office, as on date not earlier than the date of NIT: i) Cash ii) Bank Guarantee iii) Fixed Deposit (For Sl. No.1(a)- i, ii, iii above certificate as per Annexure-1) iv) Securities available from Indian Post offices such as National Savings Certificates, Kisan Vikas Patras etc. (Annexure-2) -OR- 1(b). The bidder shall submit a certificate for Insurance Surety Bond from any Insurance Company (IRDA approved) for a value not less than Rs. 106 Cr., as on date not earlier than the date of NIT (Annexure-3). -AND- 2(a) The bidder shall submit a ‘Certificate of Solvency’ for a value not less than Rs. 106 Cr. from any Scheduled Commercial Non-Cooperative Bank/Nationalised Bank as on date, not earlier than the date of NIT (Annexure-4). -OR- 2(b) The bidder should furnish a letter for Unutilized line of credit

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	EXISTING CLAUSE		REVISED CLAUSE	
	Clause No.		Clause No.	
		114 Cr., as on date not earlier than the date of NIT (Annexure-3). -AND- 2(a) The bidder shall submit a 'Certificate of Solvency' for a value not less than Rs. 114 Cr. from any Scheduled Commercial Non-Co-Operative Bank/Nationalised Bank as on date, not earlier than the date of NIT (Annexure-4). -OR- 2(b) The bidder should furnish a letter for Unutilized line of credit from any Scheduled Commercial Non-Cooperative Bank/Nationalized Bank, confirming the availability of the both fund based and non-fund based line of credit for a value not less than Rs. 114 Cr. as on date, not earlier than the date of NIT (Annexure-5). Certificates to be provided in line with attached relevant Annexures 1, 2,3,4 & 5(enclosed).		from any Scheduled Commercial Non-Cooperative Bank/Nationalized Bank, confirming the availability of the both fund based and non-fund based line of credit for a value not less than Rs. 106 Cr. As on date, not earlier than the date of NIT (Annexure-5). Certificates to be provided in line with attached relevant Annexures 1, 2,3,4 & 5(enclosed).

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	EXISTING CLAUSE		REVISED CLAUSE	
	Clause No.		Clause No.	
5	NIT: PRE-QUALIFYING REQUIREMENTS (PQR): OPTION-2: Financial QR: B.1	Prime Bidder must have achieved an average annual financial turnover (Audited) of Rs. 684 Crore or more over the last three Financial Years (FY) i.e. '2021-2022, 2022-23 and 2023-2024', from the operations concerned to the construction works executed in the power plant, infrastructure works, roads, railways etc.	NIT: PRE-QUALIFYING REQUIREMENTS (PQR): OPTION-2: Financial QR: B.1	Prime Bidder must have achieved an average annual financial turnover (Audited) of Rs. 636 Crore or more over the last three Financial Years (FY) i.e. '2021-2022, 2022-23 and 2023-2024', from the operations concerned to the construction works executed in the power plant, infrastructure works, roads, railways etc.
6	NIT: PRE-QUALIFYING REQUIREMENTS (PQR): OPTION-2: Financial QR: B.3	Qualifying Requirements in addition to existing Financial Qualification Requirement. Bidder must have, achieved/Executed any one of the following (i.e. 1(a) or 1(b)) and (2(a) or 2(b)): 1(a). The bidder shall submit a certificate for any of the below mentioned instruments of value/limit not less than Rs. 114 Cr. from any Scheduled Commercial Non-Cooperative Bank/Nationalised Bank/Indian Post Office, as on date not earlier than the date of NIT: v) Cash vi) Bank Guarantee vii) Fixed Deposit (For Sl. No.1(a)- i, ii, iii above certificate as per Annexure-1) viii) Securities available from Indian	NIT: PRE-QUALIFYING REQUIREMENTS (PQR): OPTION-2: Financial QR: B.3	Qualifying Requirements in addition to existing Financial Qualification Requirement. Bidder must have, achieved/Executed any one of the following (i.e. 1(a) or 1(b)) and (2(a) or 2(b)): 1(a). The bidder shall submit a certificate for any of the below mentioned instruments of value/limit not less than Rs. 106 Cr. from any Scheduled Commercial Non-Cooperative Bank/Nationalised Bank/Indian Post Office, as on date not earlier than the date of NIT: v) Cash vi) Bank Guarantee vii) Fixed Deposit (For Sl. No.1(a)- i, ii, iii above certificate as per Annexure-1) viii) Securities available from Indian Post offices such as National Savings Certificates, Kisan Vikas Patras etc. (Annexure-2) -OR- 1(b). The bidder shall submit a certificate for Insurance Surety Bond from any Insurance Company (IRDA approved) for a value not less than Rs. 106 Cr., as on date not earlier than the date of NIT (Annexure-3).

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	EXISTING CLAUSE		REVISED CLAUSE	
	Clause No.		Clause No.	
		Post offices such as National Savings Certificates, Kisan Vikas Patras etc. (Annexure-2) -OR- 1(b). The bidder shall submit a certificate for Insurance Surety Bond from any Insurance Company (IRDA approved) for a value not less than Rs. 114 Cr., as on date not earlier than the date of NIT (Annexure-3). -AND- 2(a) The bidder shall submit a 'Certificate of Solvency' for a value not less than Rs. 114 Cr. from any Scheduled Commercial Non-Co-Operative Bank/Nationalised Bank as on date, not earlier than the date of NIT (Annexure-4). -OR- 2(b) The bidder should furnish a letter for Unutilized line of credit from any Scheduled Commercial Non-Cooperative Bank/Nationalized Bank, confirming the availability of the both fund based and non-fund based line of credit for a value not less than Rs. 114		-AND- 2(a) The bidder shall submit a 'Certificate of Solvency' for a value not less than Rs. 106 Cr. from any Scheduled Commercial Non-Co-Operative Bank/Nationalised Bank as on date, not earlier than the date of NIT (Annexure-4). -OR- 2(b) The bidder should furnish a letter for Unutilized line of credit from any Scheduled Commercial Non-Cooperative Bank/Nationalized Bank, confirming the availability of the both fund based and non-fund based line of credit for a value not less than Rs. 106 Cr. As on date, not earlier than the date of NIT (Annexure-5). Certificates to be provided in line with attached relevant Annexures 1, 2,3,4 & 5(enclosed).

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	EXISTING CLAUSE		REVISED CLAUSE	
	Clause No.		Clause No.	
		Cr. as on date, not earlier than the date of NIT (Annexure-5) . Certificates to be provided in line with attached relevant Annexures 1, 2,3,4 & 5(enclosed).		
7	Annexure-1 of NIT: PRE-QUALIFYING REQUIREMENTS (PQR): OPTION-1: Financial QR: B.4	New Clause added	Annexure-1 of NIT: PRE-QUALIFYING REQUIREMENTS (PQR): OPTION-1: Financial QR: B.4	B.4: PROFIT: Bidder must have earned profit in any one of the Five Financial Years ending on 31.03.24 (i.e. F.Y. 2019-20, 2020-21, 2021-22, 2022-23, 2023-24). Bidder to submit audited balance sheet and Profit & Loss Statement for the year as supporting documents.
8	Annexure-1 of NIT: PRE-QUALIFYING REQUIREMENTS (PQR): OPTION-2: Financial QR: B.4	New Clause added	Annexure-1 of NIT: PRE-QUALIFYING REQUIREMENTS (PQR):OPTION-2: Financial QR: B.4	B.4: PROFIT: Bidder must have earned profit in any one of the Five Financial Years ending on 31.03.24 (i.e. F.Y. 2019-20, 2020-21, 2021-22, 2022-23, 2023-24). Bidder to submit audited balance sheet and Profit & Loss Statement for the year as supporting documents.
9	Explanatory Notes for the PQR- Annexure-1 of NIT: Clause No. 3.vii	New Clause added	Explanatory Notes for the PQR- Annexure-1 of NIT: Clause No. 3.vii	Scope of “Consortium Partner” shall be Fabrication of structures.
10	Explanatory Notes for the PQR- Annexure-1 of NIT: Clause No. 3.viii	New Clause added	Explanatory Notes for the PQR- Annexure-1 of NIT: Clause No. 3.viii	Scope work of “Prime Bidder” shall be Statutory compliance, Establishment of fabrication shop, procurement of raw material for fabrication, blasting & Painting of fabricated structure, transportation to project site and all other implied works as per scope of work.

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	EXISTING CLAUSE		REVISED CLAUSE	
	Clause No.		Clause No.	
11	Explanatory Notes for the PQR: Annexure-1 of NIT Clause No. 5	Credentials furnished by the bidder against “PRE-QUALIFYING CRITERIA” shall be verified from the issuing authority for its authenticity. In case, any credential (s) is/are found to be spurious, offer of the bidder is liable to be rejected and BHEL reserves the right to initiate any further action as per its internal guidelines.	Explanatory Notes for the PQR: Annexure-1 of NIT Clause no. 5	Credentials submitted by the bidder against “PRE-QUALIFYING CRITERIAS” shall be verified for its authenticity. In case, any credential (s) is/are found unauthentic, offer of the bidder is liable to the rejection. BHEL reserves the right to initiate any further action as per extant guidelines for Suspension of Business Dealings.
12	Explanatory Notes for the PQR: Annexure-1 of NIT Clause No. 6	New Clause added	Explanatory Notes for the PQR: Annexure-1 of NIT Clause No. 6	NETWORTH: Shall be calculated based on the latest Audited Accounts as furnished. Net worth = Paid up share capital + Reserves. (Net worth is required to be evaluated in case of companies)
13	Explanatory Notes for the PQR: Annexure-1 of NIT Clause No. 7	New Clause added	Explanatory Notes for the PQR: Annexure-1 of NIT Clause No. 7	PROFIT: Shall be Net Profit (PBT) earned during any one of the five financial years.
14	Explanatory Notes for the PQR: Annexure-1 of NIT Clause No. 8	New Clause added	Explanatory Notes for the PQR: Annexure-1 of NIT Clause No. 8	‘EXECUTED / SUPPLIED’ means the bidder should have achieved the criteria specified in the Technical criteria of PQR even if the Contract has not been completed or closed.
15	Explanatory Notes for the PQR: Annexure-1 of NIT: Note	New Clause added	Explanatory Notes for the PQR: Annexure-1 of NIT: Note	Bidder shall submit above pre-qualification criteria format, duly filled-in, specifying respective annexure number against each criteria and furnish relevant document inclusive of work order and work completion certificate etc in the respective annexures in their offer.

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

- C) **Modification in General Conditions of Contracts (GCC) Volume-IC:** Some of the clauses existing GCC are revised and some clauses are added in the existing GCC as mentioned below:

Sl. No.	EXISTING CLAUSE		REVISED CLAUSE	
	Clause No.		Clause No.	
1	General Conditions of Contracts (GCC) Volume-IA	General Conditions of Contracts (GCC) Volume-IC - “Document No.: PS: CPC: MM: PUR: GCC: Rev02 Dated 07 March 2025”	General Conditions of Contracts (GCC) Volume-IA	Existing General Conditions of Contracts (GCC) Volume-IC “Document No.: PS: CPC: MM: PUR: GCC: Rev02 Dated 07 March 2025” stands deleted. Revised General Conditions of Contracts (GCC) Volume-IC shall be as per- “Document No.: PS: CPC: MM: PUR: GCC: Rev02 Dated 07 March 2025; Amendment 01 Dated 16th May 2025” – attached. Changes are highlighted.

- D) Some of the Bidders had asked queries in the published tender specification. The clarifications issued by BHEL are as below:

Sl. No.	Reference clause of Tender Document	Bidder's query (Reason for Queries)	BHEL's Response
1	NIT clause: 15.0 - REVERSE AUCTION (RA): BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on www.bhel.com on “supplier registration page”, i.e. < https://www.bhel.com/guidelines-reverseauction-2024 >) for this tender. RA shall be conducted among all the techno-commercially qualified bidders.	Why is Reverse Auction (RA) applicable, considering this tender is for the Establishment of a Fabrication Shop? (Seeking clarification on the applicability of RA for a setup-based scope rather than standard procurement.)	Reverse Auction shall be applicable as per tender conditions.

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	Reference clause of Tender Document	Bidder's query (Reason for Queries)	BHEL's Response
	Price Bids of all the techno-commercially qualified bidders shall be opened and same shall be considered as initial bids of bidders in RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking.		
2	1.1-Annexure-1to-TCC Volume-IA Clause no.8.3, V-E: Minimum Quantity required to be fabricated for 1 quarter = 6000 MT (Jointly Agreed by Bidder and BHEL). If, Total Quantity fabricated by the Bidder in the Quarter = 5900 MT. Shortfall in the quantity for the reasons attributable to bidder = 100 MT. Suppose, the vendor fabricates the 100 MT in next 9 Days. LD is applicable for the delay of 2 weeks (7 days for 1 week + additionally 2 days shall be counted to 1 week as a part thereof). Total LD applicable = .5% for each Week X Total CV for each Quarter. = .5% x 2 x 27.78 Cr. = 0.2778 Cr. i.e. 27.78 Lakhs The LD Shall be deducted in the last RA bill of each quarter.	1.If the bidder fails to fabricate 6000 MT in a quarter, kindly elaborate on how shortfall and LD will be handled, especially if the shortfall is quickly recovered. <i>(Understanding how LD will apply in practical terms when recovery is made shortly after quarter-end).</i> 2.It is suggested to pay Rs. 16,000/MT for a minimum of 3000 MT/quarter to meet vendor's minimum expenses. if BHEL fails to place any order. <i>(Ensure vendor sustainability for minimum operations)</i>	1. For Sl.no. 1 - LD shall be applicable as per Tender Clause. 2. For Sl.no. 2 & 3 - Tender Condition shall prevail. Refer clause 2.26 of Revised GCC – for Quantity variation clause.

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	Reference clause of Tender Document	Bidder's query (Reason for Queries)	BHEL's Response
		3.If BHEL fails to lift the full 6000 MT in any quarter, we request either: i. Reimbursement of minimum expenses incurred by the vendor, or adjustment of such expenses by BHEL towards lifting the material. ii. Payment of interest at 10% p.a. on the value of un-lifted material. <i>(Safeguard against BHEL's non-lifting of fabricated materials)</i>	
3	1.1-Annexure-1to-TCC Volume-IA Clause no. 8.1 Price Bid Clause: Section-C Transportation Cost – Fixed Unit Charges for Transportation of Finished Materials from Factory to BHEL site ₹ 3.96 Rs/MT/Kms.	Transportation charges vary with location. Kindly clarify whether this rate is standard for all destinations. <i>(To confirm if the fixed rate applies uniformly across all project locations or varies based on distance/site.)</i>	The transportation rate shall remain fixed for all the project site locations.
4	1.1-Annexure-1 to-TCC Volume-IA Clause no.8.3, VI Short Closure: BHEL may short close the contract at any stage of the contract/extended period without assigning any reasons to the bidder.	Please clarify under what circumstances or conditions short closure may be invoked. <i>(Understanding business risk due to sudden termination. and what would be the compensation</i>	Tender Condition shall prevail.

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	Reference clause of Tender Document	Bidder's query (Reason for Queries)	BHEL's Response
		<i>clause to vender. Who invest money in establishing the plant.)</i>	
5	1.1-Annexure-1 to-TCC Volume-IA Clause no. 2.0 Scope of work 2.1c Based on BOQ from the detailed fabrication drawing, Vendor shall procure the raw material and get it delivered at Karkhiyaon Site from the approved supplier sources as applicable for each project. The list of approved suppliers for each project shall be provided by BHEL as per the requirements.	Please clarify whether the vendor can suggest additional suppliers for approval or must strictly follow the list provided. <i>(Clarification on flexibility in sourcing from other manufactures.)</i>	Vendor has to procure the raw material from approved sources only. In order to increase the supplier, vendor may suggest suppliers, however the acceptance of the supplier shall be subject to approval from BHEL/Customer.
6	NIT clause: page no 17, point A: Prime Bidder and Consortium Partner or partners are required to enter into a consortium agreement for the said contract with a validity period of six months initially. In case bidder becomes L1, Consortium Agreement valid till contractual completion period shall be submitted to BHEL before signing the contract. Consortium Agreement shall be kept valid till scope of work awarded to consortium partner(s) as per contract is completed.	Kindly provide the format or template for the Consortium Agreement that needs to be submitted. <i>(To ensure the agreement is drafted in the correct format as required by BHEL)</i>	Please refer ANNEXURE – XXXVI of Revised General Conditions of Contacts (GCC) Volume-IC “Document No.: PS: CPC: MM: PUR: GCC: Rev02 Dated 07 March 2025; Amendment 01 Dated 16th May 2025” – attached.

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	Reference clause of Tender Document	Bidder's query (Reason for Queries)	BHEL's Response
7	–	Establishment of Fabrication Shop: For Establishment of Fabrication unit with a monthly capacity of 3500 MT requires subsequent amount of investment. We request BHEL to provide Interest free advance for the required Capital Investment for establishment of the fabrication unit. Recovery of this advance may be deducted in during the project duration of 5 years.	Refer clause 2.41 of Revised GCC – for interest free mobilisation advance - “Document No.: PS: CPC: MM: PUR: GCC: Rev02 Dated 07 March 2025; Amendment 01 Dated 16th May 2025” – attached.
8	–	Minimum Payment: We request to BHEL to release monthly payment for minimum of 2000 MT capacity irrespective of the supply Quantity. The same can be recoverable / adjusted in the further billings.	Refer clause 2.26 of Revised GCC – for Quantity variation clause. - “Document No.: PS: CPC: MM: PUR: GCC: Rev02 Dated 07 March 2025; Amendment 01 Dated 16th May 2025” – attached.
9	–	Base rate of Structural steel: The entire project scope is related to Structural steel component, the raw material price of various structural steel elements like plates, channels, Box sections, I - sections etc. varies. So, we request to	Ref: Revised Price Variation Compensation (PVC) Annexure-B of revised TCC.

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	Reference clause of Tender Document	Bidder's query (Reason for Queries)	BHEL's Response
		incorporate the Basic price for Structural steel & apply 10CA clause for supply of Structural steel.	
10	–	Scope of Material unloading at various factory's: We understand the material unloading at various units is in BHEL scope, please clarify.	Unloading of supplied fabricated structure at various BHEL Project sites shall be in BHEL scope.
11	–	Duration for Unloading: Please mention the maximum hour's taken for unloading of material. We request to incorporate a clause of compensation if the unloading is delayed beyond 3 Hr's of time.	Tender Condition shall prevail.
12	–	Payment for supply of Structural steel: To ensure the consistent monthly production of 2000 MT of fabricated materials, which necessitates significant capital investment, we propose the following payment terms for material supply: a release of 80% of the supply payment upon receipt of the Structural steel material at our site, with the remaining 20% to be settled	Refer clause 2.41 of Revised GCC - "Document No.: PS: CPC: MM: PUR: GCC: Rev02 Dated 07 March 2025; Amendment 01 Dated 16th May 2025" – attached.

Corrigendum – IV dated 06/06/2025 to CPC Tender No. BHEL/CPC/KKN/FAC FAB/26/001

Sl. No.	Reference clause of Tender Document	Bidder's query (Reason for Queries)	BHEL's Response
		alongside the fabrication bill payment on Monthly basis.	
13	–	Delay in issuance of Engineering Drawings: In order to maintain a monthly production of 2000 MT, we need to have engineering drawings from BHEL for minimum 4000 MT. We request you to kindly compensate us for any delay in providing us the Engineering drawings.	Tender Condition shall prevail.
14	–	Delay in Unloading of Fabricated material at BHEL sites: In case of any delay in unloading of fabricated material at BHEL sites against the provided time in tender, we request to compensate us with Demurrage charges at actuals certified at respective sites.	Refer Clause 2.35.11, 2.35.12 & 2.35.13 of TCC.

Note:

- 1) All other terms and conditions against this NIT shall remain unchanged.
- 2) This corrigendum is to be submitted duly signed and stamped along with the Techno-commercial bid (Part- I).
- 3) Major Highlight of the Tender: based on above changes is also attached for Bidders. The is for reference only. Bidders are requested to go through the complete tender documents for preparation of their offer.

for BHARAT HEAVY ELECTRICALS LTD
SDGM / Purchase - CPC

KARKHIYAON

TECHNICAL CONDITIONS OF CONTRACT (TCC)

ESTABLISHMENT OF A FABRICATION SHOP
TO SUPPLY FACTORY FINISHED
STRUCTURES TO BHEL PROJECT SITES
ACROSS INDIA.

BHARAT HEAVY ELECTRICALS LIMITED



TECHNICAL CONDITIONS OF CONTRACT (TCC)
Table of Content

S.No.	DESCRIPTION	CHAPTER
Volume-IA	Part-I: Contract specific details	
1	Project information	Chapter-I
2	Scope of works	Chapter-II
3	Time schedule	Chapter-III
4	Terms of payment	Chapter-IV
5	Welding, Radiography, NDT, PWHT	Chapter-V
6	Preservation & Protection of components	Chapter-VI
7	Exclusion	Chapter-VII
8	Price Bid and Modality of award	Chapter-VIII
9	Taxes and Duties	Chapter - IX

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Table of Content

LIST OF ABBREVIATIONS AND THEIR DESCRIPTION

SL. No.	ABBREVIATION	DESCRIPTION
1	DC	Delivery Challan
2	IR	Inspection Report
3	MPI	Magnetic Particle Inspection
4	LPI	Liquid Penetrant Inspection
5	QP	Quality Plan
6	QCP	Quality Control Procedure
7	QWI	Quality Work Instructions
8	WO	Work Order
9	TC	Test Certificate
10	GST	Goods & Services Tax
11	CQP	Customer Quality Plan
12	TDC	Technical Delivery Condition
13	EPS	E-PROCUREMENT SYSTEM

Annexures

Sl No	Description	Remarks
1	Format for Details of PO/WO Executed by Vendor	Annexure-1
2	Customer approved Vendor List E-60, and QA approved supplier - List of approved suppliers – steel, paint, etc. This list is a tentative list provided to give an idea to the vendor for the suppliers of the raw materials. However, this list may change for individual Project and Customer.	Annexure-2A, 2B & 2C
3	Vendor's Proposal Cum Evaluation Report- P4F1R0	Annexure-3
4	Vendor Questionnaire- P4F2R0	Annexure-4
5	VOID	Annexure-5
6	Tentative Requirement of Factory	Annexure-A
7	Price Variation Clause	Annexure-B
8	List of Statutory Compliance	Annexure-6
9	Land Layout	Annexure-7

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - I: Project Information

1. Project Information:

Sl. No.	Description	Details
1	Project Title	Establishment of a fabrication shop to supply factory finished structures to BHEL project sites across INDIA
3	Location	The Land for the proposed Fabrication Shop/Factory is located at Karkhiyaon adjacent to Jaunpur to Babatpur Airport Varanasi National Highway 56 and is approx. 30 Kms from the Varanasi. Coordinates 25°32'28.3"N 82°48'07.1"E
4	Nearest Airport	The nearest commercial airport, Varanasi is about 20 Km from the site.
5	Nearest Railway Station	There are three railway stations in Varanasi: Varanasi Junction, Deen Dayal Upadhyaya Junction and Manduadih Railway Station.
6	Access by Road/Major Cities	Land is located adjacent to NH-56 and is located in the Karkhiyaon industrial area located in Varanasi district in Uttar Pradesh, India.

2. The Factory shall be established at Karkhiyaon and the items shall be supplied to the project site of BHEL which are spread across India mentioned under clause no 5 of this chapter.
3. The list of projects is tentative and indicative for the tendering purpose only, further BHEL at its discretion may add or remove the projects and change the quantities at its discretion.
4. However, the minimum assured quantity shall remain unaltered during the course of execution of the contract.
5. List of Project Sites: -

S. No.	Name of Project	Location of Project
1	1x800 MW Ukai Supercritical Thermal Power Plant	1x800 MW Ukai supercritical thermal power plant (Unit-7) in Tapi district, Gujarat
2	3X800 MW Talabira Project	NLC India Limited, Talabira Thermal Power Plant, Sambalpur, Odisha 768004
3	2X660 MW MahaGenco Koradi Project	Koradi Super Thermal Power Station, Koradi, Nagpur, Maharashtra 441001

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - I: Project Information

S. No.	Name of Project	Location of Project
4	3X800 MW CUSTOMER Telengana Project	Telangana Super Thermal Power Project (TSTPP) Phase-II (3x800 MW), Ramagundam, Peddapalli district, Telangana
5	1X800 MW CUSTOMER Darlipalli Project	CUSTOMER Darlipali Thermal Power Plant Darlipali, Sundargarh 770072, Odisha
6	2X800 DVC Raghunathpur Project	Raghunathpur Thermal Power Station (RTPS), DVC, Dumdumi, Bhaladubi, West Bengal 723133
7	1X800 MW SCC Singareni Project	1x800 MW Adilabad Supercritical Thermal Power Project, Mancherla district, Telangana. 504216
8	2X660 MW CSPGCL Korba West Project	2X660 MW CSPGCL Korba West Project, Korba Wesh, Korba Distt. Chhattisgarh 495451

In Addition to the above, following projects may be added for the supply of materials at the discretion of BHEL.

- 1X800 MW Sipat Super Thermal Power Plant.
- 2X660 MW Talcher Super Thermal Power Plant.
- 2X800 MW Lara STPP.
- 2X800 MW Singrauli STPP.
- 2X800 MW Koderma.

INSTRUCTIONS TO BIDDERS	
1.1	The Bidder shall visit project site/land mandatorily and acquire full knowledge and information about conditions prevailing at site and in & around the plant premises, together with site conditions, transportation routes, various distances, all the statutory, obligatory, mandatory requirements of various authorities and all information that may be necessary for preparing the bid and entering into the Contract. All costs for and associated with site visits shall be borne by the bidder. Declaration in this regard shall be furnished in the attached format along with the bid documents.
1.2	The premises are surrounded by other Factories. Further other contractor would also be working in this area and their structures are to be protected. The material

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - I: Project Information

	brought and stacked for construction/otherwise should not make hindrance to other contractor and Factory Owners.
1.3	The information given herein is for general guidance and shall not be contractually binding on BHEL/Owner. All relevant site data /information as may be necessary shall have to be obtained /collected by the Bidder.
1.4	No claim will be entertained by BHEL on ground of lack of knowledge and the vendor's rates shall be deemed to have taken this into account.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

2.0	Scope of Works:
2.1	Establishment of a Fabrication Shop for BHEL and provide support for production and Supply of Factory Finished Structures to various BHEL sites exclusively on FOR basis, from BHEL Fabrication Shop at Karkhiyaon Varanasi Uttar Pradesh, to various sites across India as identified by BHEL during the execution of the contract. BHEL is planning to establish the proposed fabrication Shop, which shall be functional in all weather conditions, on Built and Operate model. BHEL shall provide an equal land area to two (2) successful vendors to develop facilities that are similar in nature, including layout, type of machines, and other relevant specifications, as per BHEL's requirement, fit for Fabrication of the Steel Structures and transportation of the fabricated items to various BHEL Project Sites across India. The Developed facility shall include all essential infrastructure requirements including but not limited to requirements of Fabrication Shop, Painting and Blasting Shop, Material Stacking Area for Raw Material and Finished Products etc to meet the production requirement. Scope of this tender covers: A. Execution of enabling works. Vendor shall prepare a detail project plan to establish the fabrication shop including associated painting shop, Office premises, Laydown area for Raw Material and Finished product Stacking etc. in 15 Acres of land (tentative) and submit it to BHEL for its approval. The scope also includes following minimum requirements which are required to be taken into consideration by the bidder while quoting for the package: - Levelling grading, land development & removal of vegetation. - Construction of the roads and drains, inside the premises and connection of the drain to the main drain outside the plant premises. - Arranging the Electricity source from concerned authority and further distribution for illumination and T&Ps such as EOT cranes, Welding Machines, CNC machines etc. the Electricity charges for each package shall be borne by the respective vendor as per the prevailing rates of DISCOM. - Sufficient Power Backup to be maintained for uninterrupted execution. - Water connection for construction/operations and potable purpose. - Safety and security of the facility including raw material yard, scrap and finished product. Only Peripheral Security shall be in the scope of BHEL. - Establishment of shed and Mobilization of T&Ps.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

	viii. All consumables shall be in the scope of vendor. ix. Installation of gates and lighting arrangements. x. Vendor shall take approval from respective Customer (if applicable), before commencement of fabrication work for PQR, Painting Specifications, WPS, Inspections etc. xi. Vendors shall make the boundary wall (brick work), in between the allocated land, on cost sharing basis. xii. Vendor shall make suitable arrangement for habitable accommodation to their worker/labour/staff, outside the plant premises. xiii. Upon Completion of Contract and Extension (if any), Vendor shall demobilize its Tools and Plant, Scrap and Balance raw material (if any) from the Factory, within reasonable time period. xiv. The permanent facilities such as shed, lighting poles, gate, etc. (excluding Scrap, Balance raw material & Tools and Plants such as EOT, gantry, CNC machines etc.) created under this contract shall be a property of BHEL. BHEL shall have the option to buy back the tools and plant on mutually agreed terms and conditions and as per accounting standards, upon completion of the contractual period, including any extensions thereof. However, if BHEL desires to dismantle the created facilities, dismantling of all created facilities shall be in vendor scope. In this case, vendor shall handover the encumbrance free land to BHEL within reasonable time after completion of work/contract period including any extension thereof. xv. Installation of Hoarding for Fabrication Shop: The Vendor shall be responsible for the installation of a large-size hoarding at the fabrication shop premises, prominently displaying the name and logo of Bharat Heavy Electricals Limited (BHEL). The hoarding should be made of durable material, designed to withstand outdoor weather conditions, and placed at a visible location on the fabrication shop site. The dimensions, design, and location of the hoarding shall be approved by BHEL prior to installation. The Vendor shall ensure that the hoarding is installed in a manner that does not obstruct any site operations or safety measures and shall maintain it in good condition throughout the duration of the contract. xvi. The vendor shall mobilize brand-new sheds and all necessary tools and plants (T&Ps) required for the execution of the work. All such equipment and facilities shall be new, unused, and of first quality at the time of mobilization. The vendor shall provide applicable guarantees or warranties from the original manufacturers for the shed structure and all T&Ps, as relevant. These guarantees/warranties shall cover manufacturing defects, performance issues, and fitness for intended use for the duration specified by the manufacturer. The vendor shall ensure that all equipment remains in good working condition throughout the

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

	contract period, and shall be responsible for timely maintenance, repair, or replacement as needed, without impacting project timelines. xvii. The Contractor/Vendor shall, at its own cost and prior to commencement of establishment of factory, procure and maintain valid and adequate insurance policies for the factory establishment and operations. These policies must cover all risks associated with fabrication work, including but not limited to material theft, construction, operation, and maintenance of the factory, excluding transit insurance of fabricated structure to BHEL project site. Note: The Vendor shall be solely responsible for all charges, expenses, duties, taxes, levies, fees, or any other costs arising out of or in connection with the performance of this Agreement. In the event that BHEL is required to make any such payments directly on behalf of the Vendor for any reason whatsoever, BHEL shall recover the same from the Vendor. Such payments shall not absolve the Vendor of its financial responsibilities under this Agreement. B. Statutory Compliance: All statutory compliance shall be in vendor scope, which includes following: - Vendor shall submit a detailed layout plan indicating the total area for the establishment of the facility including the yard locations etc. to UPSIDA through BHEL for approval. Only after approval from UPSIDA, the construction activity shall commence. - Vendor shall obtain a valid Factory License in the name of BHEL to operate the factory, Necessary documents shall be provided by BHEL in these regards. The factory license shall be kept valid for the contract period and extended period (if any) - No objection certificate, Consent to Establish and Consent to operate for Fire, Pollution, Labour, Electrical and Water department, etc. shall be arranged by vendor in the name of BHEL. Necessary documents shall be provided by BHEL in these regards. Vendor shall arrange all necessary permissions, wherever required, from authorities including UPSIDA to establish and maintain the factory in the name of BHEL. Necessary documents shall be provided by BHEL. - Any other approval/renewal/extension required for commencement/execution of this job shall be in vendor scope till completion of work/contract period including any extension thereof. - Vendor shall clear all legal and statutory dues during the execution of the contract and after completion of the contract (including extension if any). Note: Tentative list of Statutory compliance is attached as Annexure 6.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

	C. Vendor shall fabricate the structure exclusively for BHEL and shall supply the same, as mentioned hereunder: - Based on the GA drawing/Engineering drawing issued/approved by BHEL, Vendor shall generate detailed drawings along with the 3D model in software such as TEKLA etc. along with connection details (as applicable) and fabrication drawings. A dedicated team consisting of professionals having sufficient experience in TEKLA shall be deployed by the vendor at the site. - Based on BOQ from the detailed fabrication drawing, Vendor shall procure the raw material and get it delivered at Karkhiyaon Site from the approved supplier as applicable for each project. The list of approved suppliers for each project shall be provided by BHEL as per the requirements. - Vendor shall fabricate structures as per approved MQP. - Blasting and painting of fabricated structure as per specification. - The structure shall be transported to BHEL respective Project Sites. Loose Items shall be packed if required. D. Type of Structure: Fabrication of Medium and High Tensile structural steel (Grade designation E250/E350 or higher unless stated otherwise), conforming to relevant IS codes, monorails, stays, safety chains, ladders, MS grating etc. Plates beyond 40mm thickness to be vacuum degassed & furnace normalized and shall also be 100% ultrasonically tested as per ASTM –A578 level BS2). The fabrication can be with rolled section / built up section / combination of both conforming to IS:2062 in columns, beams, gantry girders, roof trusses, portals, laced purlins, hangers, struts, monorails, galleries, stiffeners, wall beams, sheeting runners, brackets, stub columns, star Column, bracings, cleats, trestles, base plates, splice plates, decking and seal plates, steel frame grid over false ceiling, walkway platforms, ladders, stairs. E. Process Involved: Straightening, cutting, bending, rolling, grinding, machining, drilling, welding, alignment, assembly, edge preparation, preheating, post heating, testing of welders, inspection of welds, visual inspection, non-destructive and special testing, including Radiography Testing, Ultra sonic Testing of welds, RT, UT, DPT and MPT of Plates, and/or on welds wherever specified including equipment, measuring devices, gauges, test report etc. rectification and correction of defective welding works, production test plate, protection against damage in transit, stability of structures, installation of temporary structures, setting column bases, dismantling and removal of all temporary structures, assembly of the structures at factory for testing etc.

	F. Creation of Online Tracking System: Vendors shall develop and install an online tracking system, which includes Drawing tracking, Raw Materials Tracking, Production Planning, and Dispatch Tracking. 1. System Development: The Vendor shall design, develop, and implement a system for BHEL, to facilitate the end-to-end tracking of raw materials intake, production planning, and dispatch processes. This system shall provide real-time data tracking and management of materials, production activities, and the dispatch of items to site locations. 2. Key Features and Functionality: The system shall include, but not be limited to, the following features: a. Raw Materials Intake: Automated tracking of raw materials from the point of receipt, including supplier details, batch numbers, and quality checks (incl. Test Certificate). b. Production Planning: Integration of production schedules, inventory management, work order creation, and resource allocation. c. Tracking and Monitoring: Real-time tracking of production status, resource utilization, and progress towards completion. d. Dispatch and Delivery Management: Tracking of items ready for dispatch, order preparation, shipping details, and delivery to site locations, with integration of logistics management tools. e. Data and Reporting: Generation of analytical reports on materials usage, production efficiency, and dispatch timelines for management review. f. Details Drawing tracking: Based on the Drawings received from BHEL, Detail Drawing preparation and Cutting plan to be tracked. 3. Online and Real-time Access: A web-based system shall be hosted online and allow authorized users to access real-time data from any location with an internet connection. 4. System Integration and Compatibility: The system must be compatible with BHEL's existing infrastructure and integrate seamlessly with other operational tools and databases. 5. Implementation and Timeline: The Vendor shall be able to complete the full implementation of the system before the receipt of the raw materials at the site. 6. Data Security and Privacy: The Vendor shall ensure that all data within the system, including raw materials information, production data, and dispatch details, is protected by robust security protocols, including

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

	encryption, access control, and regular backups. The system shall comply with all applicable data protection regulations and standards. The aforementioned list is not exhaustive. Any other requirement implied for successful operation of the factory shall be in the scope of vendor. The work shall be awarded to Two Vendors, which shall be governed as per modality of award described in TCC. All the clauses shall be applicable on both the vendors separately (until otherwise explicitly mentioned).
2.2	The entire quantum of work is covered under BOQ cum Rate Schedules (BOQ mentioned in tender). Procurement and Fabrication: Procure raw materials as per Technical Delivery Condition (TDC) and fabricate components in accordance with BHEL drawings, quality plans, work instructions, and paint specifications. Execute any special processes, such as heat treatment or non-destructive testing (NDT) techniques like ultrasonic testing (UT) and radiographic testing (RT). Offering Jobs to the BHEL Authorized Inspection Agency (AIA), BHEL Quality Control, or customers for inspection if applicable, accompanied by all necessary supporting documentation, as per the applicable quality plan. Delivery requirement: The items covered in the tender is to be dispatched progressively to site within the delivery schedule. Vendors shall follow the fabrication and delivery sequence as per trial assembly required for the job.
2.3	After receipt of Work Order, Vendor shall seek permission from BHEL , regarding starting of establishment of factory at the premises. On receipt of necessary approvals from authorities, successful Vendor shall start enabling works at the allocated area as per the approved drawings, approvals from the authorities.
2.4	After establishment of the Factory premises, Vendor shall further seek permission from BHEL regarding starting of structural fabrication job. On receipt of approved detailed drawings, successful Vendor will start fabrication job in approved "FABRICATION WORKSHOP / FACTORY" in line with approved drawings, specifications and quality plan. Vendor shall mobilize further resources at workshop as per requirement to commence the job of fabrication, testing, shot blasting, painting etc. to match schedule of the project.
2.5	All incidental works, not specified but reasonably implied and necessary for completion of scope of work shall be in the scope of Vendor.
2.6	Procurement, Receipt, Unloading, Stacking, stock keeping, watch & ward of the Material at factory shall be in the scope of Vendor. Material shall be stored

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

	properly in order to avoid any foreign defect. Proper watch and ward for the Raw material and finished product shall be in the scope of Vendor.
2.7	Vendors shall ensure inhouse weigh bridge facility. Such weighbridge capacity shall not be less than 100 MT. Weighment tolerance shall be 70 Kg for minimum truck load of 20 MT and above.
2.8	BHEL engineer shall duly verify the raw material received at Factory. The record keeping of all the documents related to raw/finished material shall be in the vendor scope.
2.9	The total quantity of steel required for the job will be calculated from the approved fabrication drawings including lugs. In case any such sectional weights are not available in the above documents/BOQ, the manufacturer recommendation/BHEL Engineer instruction/Indian Standard Code recommendation shall be binding.
2.10	For all the materials procured, Vendor shall produce all relevant documents such as Material test certificate, LR copy, Inspection reports etc. In case vendor fails to correlate the supplied material with documents from approved source, vendor shall replace the material at no cost to BHEL. BHEL reserves the right to reject any material, if not found satisfactory.
2.11	Both Vendor shall arrange an office space for 8-10 employees of BHEL with Desktop computers/laptops with Internet Facility which should be capable of running the latest versions of TEKLA, AutoCAD, and STAAD Pro V8 software, printers, scanners and other necessary IT equipment, AC, furniture, drinking water, toilet facility etc. For Maintenance, both the Vendors shall depute 2 nos. of Staff (for menial works) for the contract period along with extended period (if any). No Extra payment shall be made against the aforementioned facilities.
2.12	Fabrication, welding, destructive/non-destructive test and any other tests as per approved Quality plan and/or CUSTOMER/BHEL requirement, shall be the liability of vendor.
2.13	Straightening, making cutting plan, cutting, bending, rolling, grinding, drilling, bolting, temporary pre assembly- full length column height (Trial assembly-tier wise), edge preparation, preheating, post heating, testing of welders, inspection of welds, visual inspection, non-destructive and special testing (which shall cover the conductance of Radiography Testing, ultra-sonic Testing of welds, DPT and MPT of Plates as applicable), rectification and correction of defective welding works, production of test plate, inspection and testing as per erection scheme shall be in scope of vendor.
2.14	All Materials shall be procured from the BHEL/Customer approved sources only.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

2.15	Preassembly of columns (tier wise), Trial assembly of finished material at factory as per BHEL instructions / approved drawings using Vendors T&P at his own cost. No separate cost will be paid for Trial Pre-assembly activity. Vendors may quote considering all such hidden activity in their rate price. CUSTOMER may visit the factory for inspecting the Trial Pre-assembly activity. Weight of the heaviest component is approx. 40-45 MT which may vary slightly upon finalization of the detailed drawings.
2.16	Delivering finished fabricated products from factory to Project site as per BOQ of rate schedule, specification, drawings and instructions of BHEL. Fabrication as per approved BOM / detailed Drawings and Application of Paint as per specification and Transportation till site (FOR destination basis) is in vendor scope.
2.17	Tentative Operational Staff Requirement of Factory • Plant Head – 01 Head with relevant experience. • Production Team – 1 Production Head along with 4 Production Engineers. • Planning Team- 1 Planning Head along with 1 nos. of Planning Engineer. • Quality Team- 1 Quality Head along with 4 nos. of Quality Engineer's having relevant Qualifications (Level 2 in RT,UT, MT and PT qualified by ASNT/ISNT). • Maintenance Team- 1 Maintenance Head with 1 no. of Electrical Maintenance Engineer and 1 nos. of Mechanical Maintenance Engineer. • Design Manager- 1 nos. with 1 nos. of Design Engineer. • Purchase Team- 1 Purchase Head along with 3 Purchase Engineers. • Store Manager- 1 Store Manager with 2 nos. of Store Staff. • Logistics- 1 Logistic Head with 2 nos. of Logistics Staff. • Accounts & Administration – 01 head • Human Resource officers – 01 head • Security Guards (Round the Clock) – As per requirement shall be arranged by the vendor for the security of the provided space. Only Peripheral Security shall be in the scope of BHEL. Note: Above manpower requirement is tentative only. Vendor shall augment manpower to meet the project schedule/ milestones. Deployment of manpower shall be progressive to meet the required schedule. Relevant experience is subject to decision of BHEL. The Vendor shall, to the extent possible and subject to suitability and availability, give preference to engaging local labours. The Vendor shall maintain fair and transparent selection criteria for such engagement, ensuring

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

	that the local persons are given priority for employment opportunities arising under this Agreement. The Vendor shall maintain appropriate records of such employment and provide the same to BHEL upon request.
2.18	Shop Works:
2.18.1	The fabricated item shall be temporarily shop-erected/shop assembled complete or as directed by the Engineer/as indicated in the drawing, so that accuracy of fit may be checked before dispatch. The parts shall be shop-erected/shop assembled with necessary arrangements to bring and keep the parts in place. In case of parts drilled or punched using steel jigs to make all similar parts interchangeable, the fabricated item shall be shop-erected/shop assembled in such a way as will facilitate the check of interchange ability.
2.18.2	Vendor must establish fabrication work shop / factory equipped with all kinds of T&P's and other necessary requirement for supply of finished material as per specification within the quoted rates. Tentative requirement of Factory is stipulated in Annexure - A . All the equipment's, and T&Ps required for the supply of finished material as per the specifications/Drawings/Instructions of BHEL Engineer, shall be arranged by Vendor.
2.18.3	After award of work, BHEL at its discretion may increase/decrease the quantum of work, depending upon the factors such as: Load on the vendor, Production capacity of the vendor, project requirements and rate of production/performance by the vendor etc. Vendor shall be bound to execute such works as desired and as directed by BHEL engineer. The item rates & contract conditions shall remain unchanged for such works.
2.18.4	The work under this contract shall be carried out as per BOQ Cum Rate Schedule and in compliance of tender conditions including technical specifications and approved drawings/ documents.
2.18.5	VOID
2.19	Inspection/Testing of Fabricated items
2.19.1	Identifiable storage area shall be marked by Vendor for raw material and finished goods to ease inspection/testing.
2.19.2	Items covered under this contract shall be subjected to Inspection / Testing and Quality Surveillance. The inspection agency shall at reasonable times, have access to all Quality control records. All reasonable facilities required for carrying out the inspection and testing efficiently, shall be provided by the vendor, free of cost. The method of inspection shall be agreed upon in the Approved "Quality Plan" which shall form part of the contract.
2.19.3	The Vendor shall abide fully by all the clauses of Shop inspection and tests covered in Technical Specification and as per the approved MQP. BHEL reserves the right to consider any stage of inspection / test as a "Hold Point", beyond which work shall not proceed without acceptance of that stage.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

2.19.4	The minimum Inspection / Testing requirements shall conform to relevant codes /standards as well as Statutory Regulations applicable, whether or not specifically mentioned in the specification, in addition to those normally carried out by the vendor.
2.19.5	Wherever Customer / Agency “Hold Points” are indicated in the approved Quality Plan, an additional 10 days’ notice, shall be given for Inspection / Testing.
2.19.6	Before sending written notice to the BHEL/Customer Inspection Agency for Inspection, the Vendor’s own inspection staff should have fully inspected / tested the item and should produce interim inspection report to BHEL Resident Engineer for verification. If the visit of the Inspection Agency proves to be futile on account of the item not being ready for inspection / Testing or the same being rejected due to the reasons which could otherwise, have been detected during Vendor’s own Inspection / Test, the cost incurred by Inspection Agency on such visits shall be borne by the vendor.
2.19.7	Approval or passing of Inspection / Test and thereby issue of the acceptance Certificates or waive of Inspection by the Inspection Agency shall not relieve the vendor of his responsibilities and obligations under the contract and also shall not bind BHEL to accept the item, should it, on further tests after receipt at destination, erection / commissioning be found not complying with the BOQ/Drawings/BHEL Instructions/Contract.
2.19.8	All necessary documents such as test reports, test certificates, test curves, stress relieving charts, radio graphic films and other non-destructive tests, copies of the welding procedure, welder qualification certificates and other documents in support of adherence to Quality plan shall be furnished to the Inspection agency. The Quality Assurance document consisting of certified copies of all of the above complied sequentially by the vendor shall be sent to BHEL prior to dispatch.
2.19.9	The vendor shall provide test pieces as required by Inspection agency to enable them to determine the Quality of Material to be used under the contract. If any test piece fails to comply with the requirements the inspection agency may reject the whole material represented by the test piece.
2.19.10	In the event of inspection revealing poor quality of goods, BHEL shall be at liberty to specify additional Inspection / Test, required ascertaining Vendor’s compliance with the equipment specification.
2.19.11	If considered necessary by BHEL Engineer or Engineer’s representative, multiple pre-assemblies shall be fully tested at work prior to packing and dispatch to site.
2.19.12	The affixing of Inspection Stamp on the item by the Inspection Agency is for the purpose of identification only and shall not be considered as a token of acceptance.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

2.19.13	Unless the Inspection / Test is waived, the inspection agency shall attend the Inspection / Test within 7 days of the date of receipt of notice from the vendor, failing which the vendor may proceed with the Inspection / Test and shall forward duly certified copies of the Inspection / Test Reports to inspection agency. After successful completion of the Inspection / Test or receipt of Vendor's Test reports mentioned above, the Inspection agency shall issue the acceptance certificate within 7 days.
2.20	Quality Plan
2.20.1	The Quality Plan is a document, which presents in a tabular form the Quality control checks exercised by the vendor during the various stages of manufacturing and dispatch in order to meet the requirements of this specification. This plan details, step by step, the operations, components and characteristics being controlled, method of exercising such controls, the importance (criticality) of the control (critical major or minor) with respect to the functioning of the item the extent to which the controls are exercised (100% samples, one per heat, etc.). Acceptance norms for the characteristics, method of maintaining records thereof as a proof of having exercised the control successfully, the agency responsible for performing and witnessing the checks and for verifying the records thereof.
2.20.2	The Vendors shall furnish the Quality Plan for approval of BHEL and/or CUSTOMER. In case the Standard Quality plans provided by BHEL, the Vendor shall furnish his Quality Plan strictly in line with the same.
2.20.3	Copies of Vendor/Vendor's Collaborators catalogues/ drawings/ standards/ specifications/ procedures etc. as mentioned in reference document of the Quality Plan shall be furnished for approval.
2.20.4	In the Quality Plan, the Vendor shall give in detail, the quality control checks exercised by him during the various stages of fabrication / manufacture such as: a) All bought out items and incoming material checks carried out at sources and on receipt. b) Process of manufacture/Fabrication i.e. welding, heat treatment etc. c) Manufacture/fabrication of various components, sub-assemblies and assembly. d) Final Inspection and Testing including Performance Test at shop. e) Surface preparation and painting. f) Packing, Marking (through hard punching with protective paint) and Dispatch.
2.20.5	Inspection of packages shall be carried out by agency as per below Inspection category of packages: a) Cat I: - Inspection shall be done jointly by CUSTOMER, BHEL & Successful Vendor. b) Cat-II: - Inspection shall be done by BHEL & Successful Vendor.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

	c) Cat-III: - Certificate of Compliance shall be furnished by Successful Vendor. Please note, for Cat I & II items BHEL reserve the right to carry inspection by themselves or through nominated third party. For Inspection agency for various items, vendor may refer to Quality Plan.
2.20.6	All welding shall be carried out in accordance with applicable codes or approved equal. Prior to starting the welding of the component, Welding procedure and Welder's qualification shall be approved by BHEL and/or CUSTOMER. Welding consumables used shall be approved by the inspection agency.
2.20.7	Approved methods of radiographic, ultrasonic or other non-destructive testing as applicable shall be used for the NDT of the of components / assembly. Construction of the PIT ROOM and all other implied requirements for the Radiography Source and other NDT activities is in the scope of vendor. The component shall be produced again for the inspection after rectification of the defect. All defects shall be rectified by the vendor at no extra Cost to BHEL.
2.21	Material Dispatch Clearance Certificate (MDCC)
2.21.1	When the tests have been satisfactorily completed at the Factory, the Inspection Agency shall issue a certificate to that effect within Seven (7) days after completion of tests, but if the tests were not witnessed by the Inspection Agency or his representative, the certificate would be issued within Seven (7) days of the receipt of the test certificates by the Inspection Agency.
2.21.2	Material Dispatch Clearance Certificate (MDCC) for Supply of Fabricated Structures shall be issued by Customer/BHEL before supply of finished material. BHEL/CUSTOMER shall issue MDCC to the Vendor based on the QS Note/Report from the Inspection Agency.
2.21.3	Vendor shall not dispatch any material before issue of MDCC by BHEL. Lorry Receipt (LR)/Goods Receipt (GR) posting will be done only on receipt of Material Dispatch Clearance Certificate (MDCC). Wherever required, Vendors shall co-ordinate with the concerned official for MDCC.
2.21.4	The satisfactory completion of these tests or the issue of MDCC, shall not bind BHEL to accept the supply/equipment, should it, on further tests after erection, be found not to comply with the contract provisions.
2.22	GENERAL INSTRUCTION FOR DISPATCH
2.22.1	No equipment / material shall be dispatched without prior consent of BHEL. Vendor shall dispatch the equipment / material only after receipt of "Quality Report/ Quality Surveillance Note" and Material dispatch Clearance Certificate (MDCC) issued by BHEL/CUSTOMER as per the categorization plan for the component.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

2.22.2	Vendor shall notify in writing to site at least within 15 days in advance of shipment, the probable date, when the equipment /material shall be ready for dispatch.
2.22.3	Immediately after the shipment is made, necessary shipping / transport documents shall be sent by the vendor in accordance with the instructions of BHEL. The shipping documents / transport documents shall comprise of the following: a) Railway Receipt / Lorry Receipt as applicable b) Freight invoice c) FOR Invoice d) Packing List (No. of copies as required) e) Certificate of origin f) Letter to Insurer g) Quality Report/Quality surveillance note
2.22.4	The distribution procedure for the above documents shall be as per the "dispatch instructions". 1) Consignee Address: List of Consignee Address Shall be provided by the BHEL Resident Manager of BHEL for each Project during the due course of execution of the Contract. Note: a. Consignee address in LR should be strictly as per the instructions provided by BHEL. b. Seller / vendor to note that to effect "Sale in Transit", BHEL shall issue "Delivery Note" to the Transporter for transferring the ownership from BHEL to customer (CUSTOMER). c. Delivery note shall be carried by transporter along with other dispatch documents. 2) Road Permit Requirement: As per requirement. To be arranged by vendor. 3) Mode of Dispatch: By Road Note: It is Seller / vendor responsibility to ensure availability of vehicle well in advance for dispatch of material to meet contractual delivery requirement and as per instruction of BHEL engineer. 4) Transit Insurance: Transit insurance from the Factory to BHEL site stores shall be arranged by BHEL. Prior dispatch of each consignment, intimation shall be issued to Insurance agency/underwriter of BHEL about the value of

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

consignment, dispatch details, along with one set of documents consisting of LR/RR copy, packing list / Challan indicating the items dispatched (with their weights). A copy of above should be sent to BHEL site office (address same as consignee address).

Upon dispatch of material, Vendor has to immediately intimate insurance underwriter of BHEL, failing which transit loss if any, would be borne by Vendor.

Vendor shall obtain details of Insurance agency & policy documents from BHEL prior to dispatch of consignment of Fabricated material to site.

Any shortages or damages during transit or transportation to site shall be made good/replenish by the Seller/Vendor at his costs, to meet the project schedule.

In case of any transit damage to materials, the Vendor shall carry out the rectification/replenishment, and the amount incurred for the replenishment of the damaged portion shall be paid to the vendor as an "Extra Work" which shall be certified by BHEL Engineer.

Extra Work - VOID

Packing:

- a. The packing shall be in conformity with specification and shall be such as to ensure prevention of damages, corrosion, deterioration, shortages, pilferage and loss in transit or storage.
- b. Loose pieces should be sent only by crate of appropriate size which is in the scope of Vendor. Dispatches of loose items i.e. up to 3m in Length and Individual weight less than 30kgs, should be packed in Crate and dispatch.
- c. Adequate packing shall be made by the Vendor to avoid any transit damages. The quoted rate shall be inclusive of this packing.
- d. Packing list shall be submitted as per standard format along with advance set of documents for claiming payment which shall also indicate: -
 - i. Packing size.
 - ii. Gross weight and net weight of each package.
 - iii. Contents of the package with quantity of each item separately.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

	5) Transportation & Freight Charges: - All road dispatches shall be through the carriers. - Owing to any reason, in case the seller / vendor has to resort to a mode of transport other than what was contemplated, to keep up the delivery / completion schedule incurring extra expenditure, such extra expenditure shall be borne by the seller / vendor. - Any charge against ODC consignment shall be reimburse to seller / vendor in line with clause 2.37.10 of TCC.
2.22.5	Dispatch Documents required (to be furnished by vendor): A: For customer billing, the vendor shall provide the following documents to BHEL in 4 sets: - Copy of vendor Invoice - Copy of Packing List Indicating Quantity / Gross weight/Net Weight and CUSTOMER approved BBU item no. wherever applicable against each item dispatched. - MDCC (Original BHEL/CUSTOMER MDCC, if applicable). - Customer Hold Point (CHP) issued by BHEL/CUSTOMER – Original (if applicable). - Insurance intimation copy. - Test certificate / Inspection Reports- Original. B: For vendor payments, the following documents are required in 4 sets (1 original/e-invoice + 3 Copies): - GST Compliance Invoice (1 Original + 2 copies). - Copy of insurance intimation letter / e-mail. (Intimation to Insurance agency to be sent on the same day of dispatch). - LR copy (consignee address shall be BHEL Project site). - Packing List indicating item description/quantity/Net Weight (Design Weight) against each item dispatched – wherever applicable. - Original Material Dispatch Clearance Certificate (MDCC) issued by BHEL/BHEL's Customer. - Guarantee Certificate – Original. - Material Receipt certificate by BHEL/site. - Original Inspection report (IRs) – with relevant painting/protocols/SB remarks – Duly signed by BHEL QC inspector and fabricator with seal. - Material test Certificate (MTC) (for raw material supplied by Vendor).

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

	10. Hold Point Clearance issued by BHEL/BHEL's Customer (if any). In addition to the above, vendor may furnish mfg. clearance/drawing/documents approval date for the purpose of determining contractual delivery for expeditious processing of Invoices. C: Checklist for submission of Bills: Vendor should ensure that the following documents are submitted for bill processing to avoid any delay in processing of payment: a) Invoice – duly signed by Vendor with seal. b) Invoice Annexures - duly signed by Vendor with seal. c) GST Invoice – Original for buyer and Duplicate for transporter copies d) Original Inspection Reports (IRs) – with relevant painting/SB remarks and ODC details (if applicable) - duly signed by BHEL QC inspector and Vendor with sign & seal.																					
2.22.6	STEEL Specifications: Vendor has to procure the Structural Steel as per below technical specification basis: The total quantity of steel required for the work will be calculated from the approved, fabrication drawings, lugs etc. The measurement for payment as well as for accounting shall be based on the sectional weights as indicated in the following IS/BS/EN specifications. <table><tr><th>S.N.</th><th>Name of Standard</th><th>Name of Section</th></tr><tr><td>1.</td><td>IS: 808-1964</td><td>Beams, Channels and Angles</td></tr><tr><td>2.</td><td>IS: 1730-1961</td><td>Plates, Sheets and Strips/Flats</td></tr><tr><td>3.</td><td>BS4-1: 1993</td><td>UB/UC sections</td></tr><tr><td>4.</td><td>IS: 12778/equivalence with EN-19-57</td><td>For NPB sections</td></tr><tr><td>5.</td><td>IS: 12778/equivalence with EN-53-62</td><td>For HE/WPB sections</td></tr><tr><td>6.</td><td>IS: 1786 or grade -1 of IS432 (Part-I)</td><td>Rounds including deformed high yield strength bars</td></tr></table>	S.N.	Name of Standard	Name of Section	1.	IS: 808-1964	Beams, Channels and Angles	2.	IS: 1730-1961	Plates, Sheets and Strips/Flats	3.	BS4-1: 1993	UB/UC sections	4.	IS: 12778/equivalence with EN-19-57	For NPB sections	5.	IS: 12778/equivalence with EN-53-62	For HE/WPB sections	6.	IS: 1786 or grade -1 of IS432 (Part-I)	Rounds including deformed high yield strength bars
S.N.	Name of Standard	Name of Section																				
1.	IS: 808-1964	Beams, Channels and Angles																				
2.	IS: 1730-1961	Plates, Sheets and Strips/Flats																				
3.	BS4-1: 1993	UB/UC sections																				
4.	IS: 12778/equivalence with EN-19-57	For NPB sections																				
5.	IS: 12778/equivalence with EN-53-62	For HE/WPB sections																				
6.	IS: 1786 or grade -1 of IS432 (Part-I)	Rounds including deformed high yield strength bars																				
2.23	MATERIAL RECEIPT CERTIFICATE (MRC): BHEL shall issue MRC (duly signed by the BHEL/CUSTOMER Site Engineer) after receipt of the material and its physical verification at site generally within																					

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

	7 days. Vendor shall take alternate action for rectification in case of any non-conformity observed during physical verification.
2.24	SHORTAGES/DAMAGES: Any shortages or damages during transit or transportation to site shall be made good/replenish by the Seller/Vendor at his costs, to meet the project schedule. In case of faults/discrepancies in any material, component, sub-assembly, assembly, etc., the same shall be supplied/replenished free of cost to enable the equipment to be put in service. In case of any transit damage to materials, the Vendor shall carry out the rectification/replenishment, and the amount realized from the insurance company shall be paid to Vendor. Vendor shall cooperate and provide all documents to claim the damage from the insurance company.
2.31	GUARANTEE FOR THE FINISHED GOODS (Defect Liability of the fabricated material) The Vendor shall warrant that the fabrications comply fully with the drawings and other technical conditions specified by BHEL. If the fabrications are found defective owing to faulty workmanship/incomplete work within a period of Twelve months from the date of receipt of each item at site, the Vendor shall do the necessary repair/rework or replace the defective items free of cost. Alternatively, the rework/replacement charges shall be recovered from any payables to vendor, if necessary repair/rework or replacement of defective items are not done within reasonable time specified by BHEL and has been carried out by BHEL. Latent Defects Liability: The Vendor's liability for latent defects warranty shall be limited to a period of 12 (Twelve) months from the end of Contract period. For the purpose of this clause, the latent defects shall be the defects inherently lying within the material or arising out of deficiency which do not manifest themselves during the Defects Liability Period mentioned above.
2.32	RAW MATERIAL PROCUREMENT
2.32.1	Vendors shall procure consumables such as Paints, welding electrodes etc. from BHEL approved sources (list attached is indicative for tendering purpose only) (Refer Annexure 2A, 2B & 2C). Raw materials and consumables required for fabrication shall be procured by Vendor. Procurement of Raw materials shall be as per raw material specifications given in drawings and applicable Technical Delivery Conditions (TDC)/& Quality Work Instructions (QWI) and quantities as per Drawings which shall be issued by BHEL during execution. Vendor to always refer the updated Annexure 2A, 2B & 2C .
2.32.2	Raw materials and paints are to be procured with relevant Test Certificate (TC)/reports and these have to be submitted/produced in original during inspection. Any test both destructive and non-destructive if required will have to be carried out by the Vendor at their own cost. Vendor also shall verify the materials & Test Certificate (TC) to comply with the applicable quality plan

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

	(QP). Vendor should refer the updated list of approved suppliers for raw material and consumables before procurement.
2.32.3	Raw material invoice, Test certificate (TC) and Day Book entry (DB) should be submitted to BHEL on weekly basis.
2.32.4	Required equipment's for handling of raw materials/Work in Progress (WIP) & finished goods should be available at Factory.
2.32.5	The system for storing and issuing materials shall be available with vendor for easy traceability.
2.32.6	Raw materials are to be identified by its work order (W.O) number / Material code / Specification / grade by painting through stencilling / engraving.
2.32.7	Periodic audit of system of purchasing, storing and issue, etc. will have to be carried out by the vendors. BHEL at its discretion shall audit the same.
2.32.8	For raw material substitutions requested by Vendor, changes in the weight due to material substitution will be carried out by temporary Design Change Notification (DCN), if deemed fit by BHEL.
2.32.10	Raw Material is to be procured within 45 days from date of availability of drawings and fabrication is to be done within next 45 days. Duly accepted, Final Inspection report of a fabricated material shall be considered completion of fabrication activity. Fabrication of a material Vendor has to submit 03 months rolling plan, for procurement of raw materials, in advance to BHEL. Depending on the availability of drawings, asking rate of fabrication is assumed to be of 2500 MT/month which can be increased to 3000 MT at the discretion of BHEL.
2.32.11	A quantity equivalent to 2000 MT/Month is a minimum assured quantity which shall be provided by BHEL in terms of drawings as a guaranteed quantity of structures which shall be fabricated by vendor per month. VOID
2.33	FABRICATION:
2.33.1	Fabrication of components shall be as per BHEL's Drawings to be issued during Execution of work.
2.33.2	Fabrication of components shall also be according to the BHEL drawings, BHEL quality documents, customer approved quality plan, Technical Delivery Conditions (TDC). However, Vendor shall refer the latest version of Quality documents to be issued during execution of work.
2.33.3	Welding to be carried out by Qualified Welder and as per BHEL's approved Welding Procedure Specification (WPS).
2.33.4	Successful Vendor will have to submit the WPS for approval by BHEL (QC/WTC). Approval of WPS by BHEL will take 2 weeks from the date of submission of complete documents.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

2.33.5	Vendor shall use Jigs & fixtures, Core Cutting Machine/ Magnetic Horizontal drilling machine to ensure hole to hole matching during assembly and Erection.
2.33.6	All consumables for welding as stipulated in the Drawings/QWIs/Welding procedures & any indirect materials required for fabrication is in Vendor's scope of work.
2.33.7	All the electrodes are to be procured using Welding Consumable Procurement Instruction (WCPI) which shall be provided during execution. Electrodes to be procured and used for fabrication shall be as per BHEL's approved WPS.
2.33.8	Proper sequence of welding shall be adopted to minimize distortion. The distortion of the finished jobs, if any, may be corrected by mechanical means / hot correction.
2.33.9	The surface of the welds shall be free from coarse ripples, overlaps, undercuts and abrupt ridges to avoid stress raisers.
2.33.10	Conducting MPI/LPI, other NDT & heat treatment wherever called for in the Drawings/ Quality Plans is in the scope of Vendor.
2.33.11	The requirement of NDE, extent and type of examination shall be as per respective product QP, if applicable.
2.33.12	The Ultrasonic Testing, Radiographic Testing, Furnace Heat Treatment (HT) and Stress Relieving as called for in the Drawings/QWI/PO/QCP are to be carried out by the Vendor.
2.33.13	All handling charges and other incidental charges till completion of fabrication & dispatch up to destination is in Vendor's scope.
2.33.14	Trial Assembly as called for in the Drawings / Quality plans / PO or by the Inspecting Authorities, is in Vendor's scope of work.
2.33.15	Ensure completeness of all final machining operations is in vendor's scope.
2.33.16	Providing the necessary facilities, gauges, instruments, etc. for carrying out the testing & inspection including customer/BHEL/BHEL nominated agency as per BHEL's QP/PO/Drawings and customer CHP, till obtaining of MDCC (wherever applicable).
2.33.17	Mechanical testing, if any, can be done at any of the NABL approved laboratory in case Vendor do not have their own facilities.
2.33.18	BHEL Drawings and Quality procedures to be followed and referred for marking & identification of interconnecting members to the satisfaction of BHEL inspectors, dismantling, related handling and movements of components as necessary.
2.33.19	Assembly is to be carried out on a level surface. Assembly Items are to be dispatched with adequate bolts which is in the scope of the Vendor. Assembly has to be carried out as per BHEL Quality Plan/Customer Quality Plan (CQP) (as applicable). Any other item/s required for safe dispatch / packing materials required for the completion and the dispatch of the jobs is in the scope of Vendors.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

2.33.20	In case BHEL provides Raw Materials for the fabrication of the components during the execution of the contract, the vendor shall be paid only for the fabrication of the structure. For deduction of the cost of raw materials, the latest JPC rates of the section shall be deducted from the item no (1), (2), (3) of Clause no 8.1.1 of Chapter-8 BOQ of TCC.		
2.34	QUALITY REQUIREMENTS		
2.34.1	Supply of the components should strictly conform to dimensions and tolerances indicated in the Drawings, Quality Plan. Care must be taken to strictly adhere to the 'NOTE' given in the drawings. Vendor must ensure that dimensional deviations, if any, are recorded properly in the Dimension Record books and the same shall be made available to BHEL's Officials or their authorized agencies. All the Quality records are to be uploaded/provided by vendor. Any correction or revisions as advised by BHEL for the reason not attributable to Vendor, at post PO stages, shall be carried out by the Vendor, based on the revised drawings or interim inspection from BHEL extra cost implications, if any, shall be informed to BHEL before carrying out the job.		
2.34.2	Only the right kind of electrodes shall be used as called for in the Drawings.		
2.34.3	Any other work carried out other than the requirements of Drawings/QWIs shall have the prior written approval of BHEL.		
2.34.4	Adequate facilities like welding equipment(s), baking oven, handling facilities and measuring instruments duly calibrated as called for by BHEL must be available with the Vendor for the manufacture/fabrication components. All the above basic fabrication equipment must be in working condition, and the same shall be made available for verification by BHEL officials or authorized agents of BHEL.		
2.34.5	Only Class 1 measuring tapes shall be used. The instruments / gauges are to be calibrated at BHEL approved Lab or any NABL periodically as follows:		
	Table-1		
	SL. No.	Type	Periodicity
	01	Measuring instruments/gauges	One Year
	02	Limit gauges (E.g. Plug/ring)	One Year
2.34.6	03	Temperature, pressure gauges	6 Months
	04	Measuring Steel tapes	Once
2.34.6	The calibration status shall be displayed at the Factory in a conspicuous location. Calibration can be performed at either BHEL approved labs or at any NABL approved labs, traceable to national standards.		
2.34.7	Manufacturing, handling and testing facilities' requirement as specified by BHEL from time to time shall be made available by the Vendor.		

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

2.35	TRANSPORTATION
2.35.1	The rates finalized as per BOQ is excluding the cost of transporting finished products from Factory to respective BHEL Sites.
2.35.2	The transportation Charges shall be paid extra on the Rate/Kms Basis for which the distance between the Factory and the Project Site shall be fixed according to the location of the Project Site. For Understanding, following illustration shall be referred: - - The rate of transportation is fixed in Section-C mentioned in Chapter-VIII of TCC which shall include all but not limited to Toll Charges, Loading Charges from Factory etc. No additional Claim is this regard is admissible. - Suppose, goods are required to be transported to a project site which is 500 Kms away from the Factory. The Payable amount shall be as follows: - a) Transportation Charges= Rate/kms X (Distance b/w factory and project site) X Weight of Consignment to be transported. = 3.96 X 500 X 30 (Rates as mentioned in Section C - 3.96Rs/MT/Kms) = Rs 59,400 for 1 Load. Above example is only for illustration purpose only.
2.35.3	Vendor has to arrange for dispatch of the finished goods either in Trucks or Trailer/ Hydraulic axles for safe delivery of the goods to respective project sites through their transport carriers. In case of any Deviation/ discrepancy of the materials received at project site Vendor is responsible for correction or replacement activity. If the same is not rectified/replaced by the concerned Vendor within reasonable time as instructed by BHEL, then the same will be rectified /replaced by BHEL at the cost of default Vendor.
2.35.4	The transportation should be done using appropriate Vehicle/Trailer with all valid Documents complying to all the applicable rules and regulations.
2.35.5	Loading of finished goods on to the Truck / Trailer is in Vendor's scope.
2.35.6	Vendor should ensure sufficient Wooden Logs/Reapers are placed between jobs and trailer. Proper lashing of Jobs is to be done avoiding direct contact between the lashing chain and jobs.
2.35.7	After loading is completed as above, a photograph of loading is to be taken from multiple angles. The photographs as and when demanded by BHEL (concerned expeditor) is to be sent to BHEL (concerned expeditor) before dispatch of the vehicle.
2.35.8	In case, after reaching the destination/Project site, if any non-conformance is noticed by the way of improper loading/lashing of finished Goods, BHEL reserve the right to reject the material. Vendor should correct the non-conformances at his own cost.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

2.35.9	In addition, BHEL may recover from the Vendor, the default amount arising due to improper loading of finished goods on vehicles as specified by BHEL officials at Unloading point.
2.35.10	Due to the unpredictable site condition at times, the loaded consignment dispatched by Vendor may have to wait for unloading for about 3-4 days (on an average) at site. The Vendor may keep this in mind while quoting. Unloading of consignment at project site, supplied by vendor, shall be in the scope of BHEL.
2.35.11	Unloading of material at the site, supplied by the Vendor, shall be in the scope of BHEL. BHEL shall complete the unloading within 48 hours from the time of trailer entry into the Site/project premises. If the material is not unloaded within 48 hours due to reasons not attributable to the Fabricator/Transporter, the Vendor shall be entitled to demurrage charges as follows: a. Demurrage charges for Trucks: ₹1,000 per day. b. Demurrage charges for all types of Trailers: ₹2,000 per day. Demurrage shall be applicable only if the delay exceeds 24 hours beyond the free period (48 Hrs). Any delay of less than 24 hours beyond the free period (48 hrs) shall not attract demurrage. Example: If a vehicle enters the site on March 2, 2025, at 10:00 AM, the free period (48 hours) lasts until March 4, 2025, at 10:00 AM. • If the vehicle exits at 4:00 PM on March 4, 2025 (6 hours late) → No demurrage will be charged. • If the vehicle exits at 11:30 PM on March 4, 2025 (13.5 hours late) → No demurrage will be charged. If the vehicle exits at 10:30 AM on March 5, 2025 (24 hours + 30 minutes late) → Demurrage for one full day (March 6) will be charged.
2.35.12	If the reporting period happened to be Sundays & Holidays, then the next working day at 9:00am will be considered as the date of reporting of vehicle.
2.35.13	Demurrage shall be paid based on the Gate Entry at Site / certification by BHEL site personnel – with signature & official seal.
2.35.14	As soon as the dispatches are made, Vendor have to upload/provide scanned copy of DC and GST Invoice in BHEL system.
2.35.15	At the time of dispatch to site, original BHEL Project site acknowledgement along with IR, DC, GST invoice and system generated online invoice along with other annexures have to be furnished for processing the invoice at BHEL.
2.36	SURFACE PREPARATION, PAINTING AND STENCILLING
2.36.1	Surface preparation & Painting shall be as per the quality documents and painting scheme with paints procured from BHEL approved paint Suppliers list. Vendor shall refer the latest version of Painting scheme and applicable quality documents during execution. Blasting, wherever required (as per Drawings/

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

	Quality plans), is to be carried out by Vendor. Surface preparation and painting is to be done as per BHEL/Customer specifications.
2.36.2	Identification of Structures shall be hand punched and stencilled.
2.36.3	The Project name, Work Order No., Weight, and Erection mark number shall be legibly stencilled for identification and dispatch as may be advised. Machined surfaces shall be protected with rust preventive oil. Weldable areas are to be applied with weldable primer.
2.36.4	All supplied fabricated structures shall be marked with clearly identifiable erection mark numbers (through hard punching with protective paint) as shown in the fabrication/ detailed drawings. This will be duly verified at site during material receipt based on which MRC shall be prepared.
2.36.5	After painting and stencilling, suitable crating should be made, according to the job size.
2.36.6	If any complaint is received from site regarding poor quality of product including painting issues, the concerned Vendor shall be asked to rectify it within a reasonable time or else BHEL may arrange rectification through alternate agencies at the cost of the default Vendor. If a proper blasting and painting process is followed, then the painting should withstand severe / corrosive atmosphere. Moreover, Vendor cannot absolve its responsibility even beyond normal warranty period, irrespective of the fact that the product had been inspected by BHEL/QC/AIA. In order to avoid such penalties, Vendor is advised to follow the established process of blasting and painting as mentioned in BHEL approved quality documents. BHEL approved quality documents and procedures shall be shared during execution.
2.37	INSPECTION
2.37.1	Inspection at the Factory shall be done by BHEL Quality Control Department and/or by BHEL's customers and/or by an agency or person(s) authorized by BHEL. All facilities and equipment(s), calibrated instruments and standard gauges required for inspection shall be provided by the Vendor at their own cost.
2.37.2	BHEL representatives/authorized agents shall have free access at any time during the execution of the orders as well as for verification of requisite documents/materials.
2.37.3	Cost incurred by the Vendor for specimen preparation of production test coupon carried out at authorized agency as requested by BHEL shall not be reimbursed by BHEL.
2.37.4	The quality of paints used by Vendor shall be checked by BHEL at regular intervals. In case discrepancies with respect to BHEL's specification are noted, the job may be rejected, and appropriate action against the Vendor shall be initiated as per latest revision of BHEL Guidelines for Suspension of Business Dealings with Suppliers/Contractors/Vendors.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

2.37.5	The works are deemed to have been completed and accepted, only after the inspector / Agency / Agencies accept / approve the Inspection Report (IR). IR has to be raised as per the format given in BHEL.
2.37.6	Acceptance of the product and delivery at site after inspection makes the Vendor eligible for payment. However, such acceptance after inspection by BHEL / AIA does not absolve the responsibility of the Vendor in ensuring the quality / performance of the product, even after the guarantee/warranty period.
2.37.7	Quality documents such as dimension report, material TC, etc., against the PO placed and drawing shall be uploaded/provided by the Vendor.
2.37.8	BHEL representative from unit or Customer Quality (CQ) is authorized to carry out audits along with Third Party Inspection Agency (TPIA) at Factory before clearing the items for dispatch wherever required.
2.37.9	Few extra rate schedules with prefixed rates have been identified for this tender enquiry. Rates for extra rate schedules as mentioned hereunder, shall be payable over and above the basic fabrication rates (finalized for Main fabrication schedules), wherever applicable. Accepting the Pre-fixed rates by Vendor mentioned in Extra rate schedule is mandatory. - Fabrication of few items shall involve a combination of E250 grade and E350 grade or above of raw material. Differential Rate for E350 grade and above of raw material including SAW Consumable are pre-fixed and it will be operated as an extra which shall be over and above the finalized rate as detailed in above table. - Vendor shall quote their rates considering the materials as E250 grade. Extra rates will be provided for E350 materials as per pre-fixed rates for extra rate schedule. For e.g.: ✓ The DU weight of an Auto Welded beam is 14 MT (Quantity 1 Number). ✓ Out of 14 MT, 10 MT is E250 BR/Gr A & 4 MT is E350 BR. ✓ Rate finalized is Rs. 20,000 per MT. The Payable amount shall be as follows: a) Basic amount = Rs. 2,80,000 [Finalized Rate (Rs. 20,000 / MT) * Weight (14 MT)] b) Extra amount for E350 BR = Rs. 15,600 [Prefixed Rate for <u>Extra RS02</u> (Rs. 3900 per MT) * Weight for E350 BR (4 MT)] c) Total payable amount = Rs. 2,95,600 [a+ b] Above example is only for illustration purpose.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

2.37.10	Extra rate Schedule			
	Sl. No	EXTRA RATE SCHEDULE	EXTRA RATE SCHEDULE DESCRIPTION	Rate
	1	Extra RS02	Material cost differential between E350 BR/GrA and E250 BR/GrA including SAW Consumable cost differential used for E350-E350 material welding and E250-E250 material	Rs 3,900 / MT
	2	ODRS1	Single ODC Freight Rate, if Length is more than 12.2 m upto 15 m or width ODC (more than 2.4 m up to 4m) or height ODC (more than 2.2 m up to 3m)	Rs 1170 / MT
	3	ODRS2	Combination ODC Freight Rate, i.e combination of any 2 or 3 dimensions falling under ODC's Length above 12.2M up to 15M/ Width ODC (more than 2.4 m up to 4m) /Height ODC (more than 2.2 m up to 3m)	Rs 1620 / MT
	4	ODRS3	Length ODC Freight Rate / MT over & above ODRS1 or ODRS2 for each meter increment and part thereof in the length above 15 M till 24 M Width ODC Freight Rate / MT over & above ODRS1 or ODRS2 for each 0.5 meter increment and part thereof in the width above 4 M. Height ODC Freight Rate / MT over & above ODRS1 or ODRS2 for each 0.5 meter increment and part thereof in the Height above 3 M.	Rs 360 / MT
2.37.11	Any other work not covered under extra Rate Schedule, but incidental to the completion of fabrication of job till transportation to BHEL's project site, shall be deemed to be Vendor's scope of work.			
2.37.12	In case, BHEL provides the detailed fabrication drawing of a Structure, Pre-fixed rates of Rs.1000/MT shall be deducted from the fabrication cost, payable to Vendor.			
2.37.13	In exceptional circumstances, as determined solely by BHEL, the Vendor may be instructed to carry out fabrication of structural components at their own works and supply fully factory-finished structures to the project site. The decision regarding such exceptional circumstances shall be at the sole discretion of BHEL and shall be binding on the Vendor. The location of the Vendor's works where fabrication is to be carried out shall be subject to prior approval by BHEL and/or the Customer. The Vendor shall ensure that such fabrication works meet all quality, specification, and inspection requirements as stipulated by BHEL/Customer.			

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

	For such factory-finished structures, the Vendor shall be compensated extra under clause 2.28 of GCC: Supplementary Items. The Vendor hereby agrees that upon issuance of such instruction by BHEL, the fabrication and supply obligations under this clause shall become binding and shall be executed without delay or deviation.
2.38	PROGRESS REPORT
2.38.1	The Vendor shall E-mail their completion plan and progress report from time to time as and when required by BHEL.
2.38.2	The submission, receipt and acceptance of such reports shall not prejudice the rights of BHEL, under the contract nor shall operate as estoppels against BHEL, merely by reason of the fact that they have not taken notice of or objected to any information contained in such reports. Action as deemed fit would be taken if the progress of work is not satisfactory.
2.38.3	In the event of non-submission of completion plan and progress report, suitable action deemed fit shall be taken against such defaulting Vendor(s).
2.39	ACTION AND COMPENSATION IN CASE OF BAD WORKMANSHIP
2.39.1	If any work has been executed with unsound, imperfect or bad workmanship or with materials of inferior quality, the Vendor shall on demand, in writing from BHEL specifying the work, materials/articles complained of, notwithstanding that the same may have been passed, certified and paid for, forthwith, rectify the work, so specified in whole or in part as the case may require, at their own cost. In the event of the Vendor's failure to do so within reasonable period, BHEL shall rectify or remove and re-execute the work at the cost of the default vendor.
2.39.2	BHEL will have general supervision and direction over the work. BHEL has the authority to stop the work, whenever such stoppage may be necessary to ensure the proper execution of the contract.
2.39.3	BHEL shall also have the authority to reject all the work, which does not conform to the specification, to direct the application of forces to any portion of the work as, in their judgement is required, and order the force increased or diminished and to decide on matters which arise in the execution of the work.
2.39.4	BHEL reserves the right to suspend the work or part thereof at any time and no claim whatsoever on this account will be entertained. In case of any dispute, the fabricator may appeal to BHEL, whose decision shall be final and binding.
2.39.5	In the event of termination of this Agreement, the Vendor shall vacate the premises owned or controlled by BHEL within 15 days of receiving written notice of such termination. Should the Vendor fail to vacate the premises within the stipulated period, BHEL shall have the legal right to take all necessary actions to remove the Vendor, its employees, and its belongings from the premises, after providing a final written notice of 15 days. Any costs incurred by BHEL in relation to such removal shall be recoverable from the Vendor, over

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - II: Scope of Work

	and above the of breach of contract as mentioned in GCC. This provision shall survive the termination of this Agreement.
2.39.6	Finished components supplied by Vendor shall be erected at site. Vendor shall be responsible for mismatch of components supplied by them, if any, noticed at site during erection. Any rework shall be carried out by Vendor at their cost, including transport, if necessary. In the event of the Vendor's failure to do so within the reasonable period, BHEL shall rectify or remove and re-execute the work at the cost of the default vendor.
2.39.7	To address any mismatches during erection stage, the Vendor shall arrange a technical person as per the instructions received from BHEL at site for proper co-ordination with various agencies so that problem is attended / rectified without any time gap. Vendor shall deploy adequate resources at erection site for coordination and rectification work (for the reason attributable to vendor) without any extra cost to BHEL.
2.40	VENDOR EQUIPMENT LIEN
2.40.1	Grant of Lien: The Vendor acknowledges and agrees that, in the course of performing its obligations under this Contract, it grants a lien on the Equipments brought in by the vendor to BHEL. "Equipment" refers to any machinery, tools, devices, etc or other physical property used by the Vendor in the performance of this contract.
2.40.2	Vendor's Representation and Warranty: The Vendor warrants that it has full legal authority to grant such lien and that granting such lien does not violate any of its other agreements or obligations, including but not limited to this contract. The Vendor shall ensure that the lien does not interfere with the proper performance of its obligations under this contract.
2.40.3	Termination of Lien: The Lien shall be terminated upon the successful completion of the contract including any extension and completion of contractual obligation. However, in case of breach of contract, the lien shall survive the termination of this Agreement.
2.40.4	At any point of time, the vendor should necessarily take written permission from BHEL to take out any material out of the factory premises including for repair purpose. Taking out the materials, equipments etc. without permission of BHEL shall not be permitted.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - III: Time Schedule

3.1 TIME SCHEDULE

- 3.1.1 After receipt of Work Order, Vendor shall discuss with BHEL regarding initial start of the work and shall submit a detailed plan for execution of work within the Contractual schedule.
- 3.1.2 Vendor shall deploy/engage adequate resources as per requirement to commence the work of fabrication, testing, shot blasting, painting and dispatch to Project site etc. to match schedule of the project.
- 3.1.3 The Vendor shall complete all the works in the scope of this contract within the specified contract period. Pending points identified by the customer/BHEL, are to be liquidated during the specified contract period itself.
- 3.1.4 Based on the project requirement and availability of inputs, vendor may have to advance the start of fabrication activity of other area after getting clearance from BHEL.
- 3.1.5 Zero date and tentative schedule:** - Data of LOA shall be considered as the “Zero Date of the Contract”
- 3.1.6 The vendor has to subsequently augment his resources in such a manner that the entire work is completed within contractual/Specified schedule. Establishment of the Factory after due approvals along with the fabrication of entire structures as per scope including surface preparation and application of finish paint shall be completed within the contractual schedule as mentioned hereunder, from the date of start of work/Zero date.

SL No	Milestone (per Vendor @2500MT / month)	Schedule from the date of award of work
1	Completion of Statutory compliance	1st Month
2	Completion of factory establishment including due approvals from BHEL/Customer	4 th Month
3	Commencement of procurement of Steel Structure	4 th Month
4	Commencement of supply of fabricated structure	7 th Month
5	Contract Closure & Handing over of land to BHEL	60 th Month

- 3.1.7 Inputs for fabrication work such as Drawings shall be provided progressively.
- 3.1.8 Timely delivery is the essence of the Contract. Vendor shall ensure on-time procurement of raw material. At least 50% of raw material is to be procured by vendor, within 45 days from the date of receipt of detailed drawings. Any deliberate

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - III: Time Schedule

delay in raw material procurement would be treated as breach of Contract. In case of such delay, BHEL shall be entitled for taking any of the following actions, at its discretion.

- I. Diversion of part scope to another Vendor. Cost difference, if any shall be recovered from the defaulting vendor.
- II. Supply of raw material to vendor work. Cost towards raw material (incl transportation) with 5% overheads shall be recovered from the Vendor.
- III. Short closure/ Termination of contract in line with breach of contract clause.

3.1.9 Vendor shall get their clarifications (w.r.t. Engg. drawings, Material substitutions, quality procedural clarifications) resolved within 7 days from the date of such notification to BHEL. Any delays in raising query shall not be considered for delay analysis.

3.1.10 BHEL at its discretion may increase/decrease the quantum of work depending upon the factors such as: 'Load on the vendor', 'Production capacity of the vendor' and 'rate of production/performance by the vendor' etc. Accordingly, time schedule shall be adjusted on pro rata basis.

3.2 Package wise Bill of Quantities:

The total quantities envisaged for the projects under execution are mentioned below along with the distance of the projects from the proposed factory location.

The list is tentative which may get revised upon subsequent addition and deletion of the projects and quantities.

SL No	Project	Total Tentative Quantity	Distance from Karkhiyaon
1	3X800 NTPC Telengana Project	47,390 MT	1045 Kms
2	1X800 NTPC Darlipalli Project	17,167 MT	530 Kms
3	2X800 DVC Raghunathpur Project	30,233 MT	529 Kms
4	1X800 SCC Singareni Project	19,165 MT	1039 Kms
5	3X800 NLC Talabira Project	47,390 MT	584 Kms
6	2X660 Mahagenco Koradi Project	29,880 MT	751 Kms
7	1X800 GSECL Ukai Project	19,165 MT	1485 Kms
8	2X660 MW CSPGCL Korba West Project	29,610 MT	484 Kms
TOTAL TONNAGE		2,40,000 MT	

Quantity for the award of the package - 2,40,000 MT which shall be equally divided among 2 successful vendors.

Note: In case, the desired production capacity does not meet the project requirement,

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - III: Time Schedule

BHEL shall sublet/offload the supply of fabricated structure without any financial implication on BHEL.

Quantity envisaged for the fabrication for one vendor- 1,20,000 MT

Item No	Description BOQ	UOM	Quantity Package
STRUCTURAL WORKS: Structural steel works including all labour, material (unless otherwise specified in BOQ/contract specification), equipments unless otherwise specified, transportation, handling etc. at all level as per specification, drawings and as directed by engineer - in - charge.			
SN	Description	QTY	UOM
1	Fabrication of Star Column (Heaviest component of 40 MT length approx. 12 mtr.)	22,500.00	MT
2	Fabrication other than star column (Beams, Bracing, Landing & Connecting Platforms, gantry girders, roof trusses, portals, laced purlins, hangers, monorails, galleries, stiffeners, etc.)	97,500.00	MT
3	Blast cleaning of steel structures to near white metal surface (Sa 2 1/2) and applying coat of two component moisture curing zinc (ethyl) Silicate primer of minimum 70-micron DFT.	1,20,000.00	MT
4	Providing and applying intermediate coat of two component polyamide cured epoxy with MIO Content of minimum 100-micron DFT	1,20,000.00	MT
5	Providing and applying Finish coat of two-pack aliphatic Isocyanate cured acrylic finish paint minimum 70-micron DFT.	1,20,000.00	MT

Note:

1. The above quantities are tentative and may vary, BHEL reserves the right for allocation of tonnage to the agencies as per requirements.

2. VOID

3.3 Quantity Variation & Extension of Time:

- 3.3.1 In case vendor increases the production capacity of the factory, the quantities can vary to meet the upper limit of the production capacity of the factory, at discretion of BHEL.
- 3.3.2 In case of extension in time, the quantities can vary in line with the duration of Extension and existing production capacity.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - III: Time Schedule

- 3.3.3 On Vendor's request, BHEL may extend the contract duration, keeping the minimum assured production quantity as fixed. However, the Payment terms and rates shall remain unchanged.
- 3.3.4 All other terms and Conditions, in case of quantity variation/Extension of Time shall remain unchanged.

4.1 Terms of Payment: -

The progressive payment for supply on accepted price of contract value will be released through Letter of Credit for BOQ as per the breakup given hereinafter:

-

For Non MSME Vendor: 100% payment of net payable (after setting of recoveries, if any) against RA Bill as per Billing schedule/Price Bid shall be paid through irrevocable Usance Letter of Credit at 45 days starting from the date of receipt of the complete documents, as listed below at the beneficiary bank. LC shall normally be opened within 21-30 days from the date of PO and negotiation period will be 14 days.

For MSME Vendor: 100% payment of net payable (after setting of recoveries, if any) against RA Bill as per Billing schedule/Price Bid shall be paid through TReDS such as Receivable Exchange of India Limited (RXIL), M1 Exchange, Invoice art etc. as per extant guidelines. Vendor to submit complete documents, as listed below:

- 1) List of Documents to be submitted by vendor to BHEL.
 - a) GST Compliance Invoice (1 Original/e-invoice + 2 copies)
 - b) Copy of insurance intimation letter / e-mail. (Intimation to Insurance agency to be sent on the same day of dispatch.)
 - c) LR copy (consignee address shall be BHEL Project site)
 - d) Packing List indicating item description/quantity/Net Weight (Design Weight) against each item dispatched – wherever applicable.
 - e) Original Material Dispatch Clearance Certificate issued by BHEL/BHEL's Customer.
 - f) Guarantee Certificate – Original
 - g) Material Receipt certificate by BHEL/site.
 - h) Original Inspection report (IRs) – with relevant painting/protocols/SB remarks – Duly signed by BHEL QC inspector and fabricator with seal.
 - i) Material Test Certificate (MTC) (for raw material supplied by Vendor)
 - j) Hold Point Clearance issued by BHEL/BHEL's Customer (if any).
- 2) In case of LC Payment, List of Documents to be submitted by vendor in Bank are mentioned hereunder:
 - a) GST Compliance Invoice (1 original/ e-invoice + 2 photocopies).
 - b) Photocopy of LR (consignee address shall be BHEL Project site).
 - c) Photocopy of Material Dispatch Clearance Certificate issued by BHEL/BHEL's Customer.
 - d) Photocopy of insurance intimation letter / e-mail. (Intimation to Insurance agency to be sent on the same day of dispatch).

Note:

- a. Material Receipt certificate by BHEL/site shall be the final document required for acceptance of the RA Bills.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - IV: Terms of Payment

- b. The Charges against opening of LC/ its extension/amendment (if any) shall be borne by Vendor and Vendor to quote their price accordingly.

4.2 Retention amount:

4.2.1 Retention Amount for the contract shall be calculated on annualized basis.

4.2.2 For calculation of the Annualized Contract Value, the total Awarded Contract Value shall be divided by total Contract Duration i.e 5 years.

4.2.3 Annualized Retention Amount shall be 5% of the Annualized contract value and shall be furnished before the first RA Bill becomes due for payment for each year. In case of increase in contract value, additional 5% of annualized differential amount shall be submitted by Vendor before payment of next RA Bill due.

Illustration for the Calculation of the Annualized Retention Amount:

- Total Awarded Contract Value- 500 Crs
- Annualized Contract Value = $\frac{\text{Total Contract Value}}{\text{Contract Duration}}$
- Annualized CV = $500/5 = 100$ Crs/year
- Annualized Retention Amount= 5% of Annualized CV
= 0.05×100 Crs
= 5 Crs

The Retention amount of 5% of the Annualized Contract Value may be accepted in the following forms:

- i. Cash (as permissible under the extant Income Tax Act).
 - ii. Local cheques of Scheduled Banks (subject to realization)/ Pay Order/ Demand Draft/ Electronic Fund Transfer in favour of BHEL.
 - iii. Securities available from Indian Post offices such as National Savings Certificates, Kisan Vikas Patras etc. (held in the name of Vendor furnishing the security and duly endorsed/ hypothecated / pledged, as applicable, in favour of BHEL).
 - iv. Bank Guarantee from Scheduled Banks/ Public Financial Institutions as defined in the Companies Act and in line with clause 1.12 of GCC. The Bank Guarantee format for Retention Amount shall be in the prescribed formats. The validity of BG shall be initially for the entire contract period plus extended period & shall be extended up to acceptance of final RA bill of the entire contract period plus extended period.
 - v. Fixed Deposit Receipt (FDR) issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Vendor, a/c BHEL).
- In case the Vendor, is a company within the meaning of the Companies Act, lien created on FDR of Vendor in favour of BHEL constitutes a charge as defined under Section 2(16) of the said Act. Accordingly, the Vendor shall, at its own cost and within the statutory period prescribed, register the particulars of such charge with the

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - IV: Terms of Payment

Registrar of Companies in accordance with Section 77 of the Companies Act, 2013. The Vendor shall provide BHEL with a copy of the certificate of registration issued by the Registrar as evidence of such compliance in a timely manner.

vi. Insurance Surety Bonds.

4.2.4 On successful Vendor's request, the Retention Amount can also be recovered at the rate of 10% of the gross amount, progressively, from each of the running bills of the Vendor till the total amount of the required retention amount is collected.

In case, Vendor opts cash deduction from RA bills in the beginning & subsequently submit 5% of the Contract Value as Retention amount in any form as mentioned above, then refund of deducted retention amount may be permitted to Vendor.

Note: BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith.

4.2.5 **Refund of Retention Amount shall be as follows:**

Retention amount for the year shall be released after successful completion of supply and along with last RA Bill for the entire contract period plus extended period, if any. Retention amount shall be released after deduction all expenses/ other amounts due to BHEL under the contract/ other contracts entered into with them (Vendor) by BHEL.

4.3 Paying Authority shall be the BHEL Resident Manager, BHEL Fabrication Shop, Agro Park, UPSIDC Area, Karkhiyaon, Tehsil Pindra, (NH-31) Dist. Varanasi, 221206.

4.4 Performance Security/Security Deposit: Security Deposit for the contract shall be calculated on annualized basis. Cash Portion of the EMD of the successful bidder shall be converted and adjusted towards Security Deposit.

4.4.1 Upon acceptance of Tender, the successful bidder shall be required to deposit 5% of Annualized Contract value within 15 days from the date of issuance of LOI/LOA/WO as Security Deposit for a period of 1 year for each individual year of the contract towards fulfilment of any obligations in terms of the provisions of the contract.

4.4.2 The security Deposit shall be furnished before start of the work by the Vendor.

4.4.3 The required Security Deposit may be accepted in the following forms.

- i) Cash (as permissible under the extant Income Tax Act).
- ii) Local cheques of Scheduled Banks (subject to realization)/ Pay Order/ Demand Draft/ Electronic Fund Transfer in favour of BHEL.
- iii) Securities available from Indian Post offices such as National Savings Certificates, Kisan Vikas Patras etc. (held in the name of Vendor furnishing the security and duly endorsed/ hypothecated/ pledged, as applicable, in favour of BHEL).
- iv) Bank Guarantee from Scheduled Banks/ Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format for Security Deposit shall be in the prescribed formats. **The validity of BG shall be initially for the entire contract period + Performance guarantee period of 12 months + 3**

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - IV: Terms of Payment

months claim period. The BG shall be extended up to completion of Performance guarantee period + 3 months claim period from the date of supply of last consignment.

v) Fixed Deposit Receipt issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Vendor, a/c BHEL). Specific lien in favour of BHEL on the FDR shall be marked and letter from the Bank having created such lien in the format shall be submitted along with FDR. In case the Vendor, is a company within the meaning of the Companies Act, lien created on FDR of Vendor in favour of BHEL constitutes a charge as defined under Section 2(16) of the said Act. Accordingly, the Vendor shall, at its own cost and within the statutory period prescribed, register the particulars of such charge with the Registrar of Companies in accordance with Section 77 of the Companies Act, 2013. The Vendor shall provide BHEL with a copy of the certificate of registration issued by the Registrar as evidence of such compliance in a timely manner.

vi) Insurance Surety Bonds.

4.4.4 The Security Deposit shall not carry any interest.

4.4.5 BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith.

4.4.6 In case of delay in submission of Security Deposit, enhanced security deposit which would include interest (Repo rate + 4%) for the delayed period, shall be submitted by the bidder before submission of first bill.

4.4.7 In case the value of work exceeds the awarded / accepted value, the Security Deposit shall be correspondingly enhanced as given below:

i) In case of increase in contract value, additional 5% of annualized differential/ increased amount shall be submitted by Vendor before payment of next RA Bill due or adjusted against payments due to the Vendor.

ii) Contract value for the purpose of operating the increased value of Security Deposit due to Quantity Variation, shall be exclusive of Price Variation Clause and Extra works done on man-day rates.

iii) The recoveries made from running bills can be released against submission of equivalent Bank Guarantee in acceptable form, but only once, before completion of work, with the approval of competent authority of BHEL.

4.4.8 BHEL reserves the right of forfeiture of Security Deposit in addition to other claims, damages and remedies in the event of the Vendor's failure to fulfill any of the contractual obligations or in the event of termination of contract as per terms and conditions of contract. BHEL reserves the right to set off the Security Deposit against any claims of other contracts with BHEL by giving prior notice to the Vendor.

4.4.9 **RETURN OF SECURITY DEPOSIT** Security Deposit amount shall be released upon fulfillment of contractual obligations as per terms of the contract and after completion of the Performance Guarantee period and after deduction of all expenses/ other amounts due to BHEL under the contract/ other contracts entered into with them (Vendor) by BHEL.

4.5 SECURED RECOVERABLE ADVANCES:

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - IV: Terms of Payment

Interest Free Secured Mobilization Advance as per GCC will be payable under exceptional circumstances on certification of BHEL Resident Manager at Site. Interest Free Mobilization Advance shall be disbursed in specifically mentioned stages of major respective resource mobilization as specified hereunder:

1. For Commencement of factory establishment work - 1.0% of Contract value.
2. For Mobilization of required T&Ps and resources – 2.0% of Contract value.
3. For Completion of factory establishment including all applicable statutory compliance – 2.0% of Contract value.

Note:

1. BHEL shall be the deciding authority for assessing the admissibility of advance payment to Vendor.
2. In case Vendor do not fulfil the agreed conditions of payment of earlier mobilization advance, BHEL Resident Manager will have the authority to not allow the subsequent mobilization advance to the Vendor.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - V: Welding & Radiography

5.0 WELDING, RADIOGRAPHY AND OTHER NON-DESTRUCTIVE TESTING, POST WELD HEAT TREATMENT

5.1 Welding:

- 5.1.1 Installation of equipment involves good quality welding, NDE checks, Post Weld Heat Treatment etc. Vendor's personnel engaged should have adequate qualification on the above works.
- 5.1.2 The method of welding will be indicated in the detailed drawing/documents. BHEL engineer will have the option of changing the method of welding as per site/customer requirement.
- 5.1.3 Before any welder is engaged on work, he shall be tested and qualified by BHEL/ Customer, though they may possess the previous certificate. BHEL reserves the right to reject any welder without assigning any reason. All the expenditure in testing/qualification of the vendor's welder shall be borne by vendor.
- 5.1.4 Unsatisfactory and continuous poor performance may result in discontinuation of concerned welder.
- 5.1.5 The welded surface shall be cleaned of slag and painted with primer paint to prevent rusting, corrosion. For these consumables like paint /primer etc. will be in the Vendor's scope.
- 5.1.6 Welding electrodes have to be stored in enclosures having temperature and humidity control arrangements. This enclosure shall meet BHEL specifications.
- 5.1.7 Welding electrodes, prior to their use, call for baking for specified period and will have to be held at specified temperature for specified period. Also, during execution, the welding electrodes have to be carried in portable ovens.

5.2 Non-Destructive Examination:

- 5.2.1 Vendor shall provide all resources and make all arrangements for the Radiographic Examination of welds for this work. For reasons of safety, invariably the radiography work will be carried out after the normal working hours and close of other site activities only. In this regard, the Vendor has to adhere to the safety rules / regulations laid by BARC authorities from time to time.
- 5.2.2 Radiography inspection of welds shall be performed in accordance with requirements and recommendation of BHEL engineer. The minimum quantum of radiographic inspection shall be as per provision of BHEL's documents. They may, however be increased depending upon the performance of the individual welder at the discretion of BHEL engineer/inspecting authority. Vendor shall also arrange the Ultrasonic Testing (UT)

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - V: Welding & Radiography

equipment with recording facility at his own cost. UT shall be done as per requirement of BHEL / Customer. Records of UT shall be produced & submitted to as per BHEL requirement.

- 5.2.3 All X-Ray / Gamma Ray films of weld joints shall be preserved properly and be handed over to BHEL.
- 5.2.4 The field welded joints shall be subjected to Dye-Penetrant/MPT/RT/ other Non-Destructive Examination as specified in the respective engineering documents/ as instructed by BHEL.
- 5.2.5 Where required, surface preparation, like smooth grinding of welded area, prior to RT/UT etc. shall be done. It may also become necessary to adopt inter-layer Radiography/MPT/UT depending upon the site/ technical requirement necessitating interruptions in continuity of the work and making necessary arrangements for carrying out the above work. The Vendor shall take all this into account in his offer. The required NDT method/procedure will be decided by BHEL engineer.
- 5.2.6 For carrying out Ultrasonic Testing of welding joints of large size, it will be necessary to prepare surface by grinding and buffing a smooth finish and contour as necessary. The Vendor's scope of work includes such preparation as incidental to work.
- 5.2.7 No separate payment for any NDE activities is envisaged. Accordingly, the offered rate shall be inclusive of cost of all NDE.

5.3 Heat Treatment:

- 5.3.1 For the purpose of temperature recording of stress relieving process, thermocouples have to be attached to the weld joint. The number of temperatures measuring points and locations shall be as per the standards of BHEL. Thermocouples have to be attached using capacitor discharge type portable thermocouple attachment unit. Vendor shall arrange sufficient number of thermocouple attachment units.
- 5.3.2 Vendor should provide temperature indicator/temperature recorder for measuring temperature during pre-heating for welding or for controlling temperature of metal for hot correction etc. The temperature recorders should be preferably of solid-state type.
- 5.3.3 Heat treatment may require to be carried out at any time (day or night) to ensure the continuity of the process. The Vendor shall make all necessary arrangements including laborer required for the same as per directions of BHEL.
- 5.3.4 In certain cases, only, the Pre-Heating of weld joints may be called for. Vendor has to comply the requirement as part of the work.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - V: Welding & Radiography

- 5.3.5 For weld joints of heavy structural sections, if heat treatment is required, the same shall be carried out as part of the work.
- 5.3.6 Checking effectiveness of stress relieving by hardness tests (by digital hardness tester or other approved test methods as per BHEL engineer's instruction) including necessary testing equipment's is within the scope of the work / specification.
- 5.3.7 Preheating, Inter-Pass Heating, Post Weld Heating and Stress Relieving after welding (as applicable) shall be performed by the Vendor in accordance with BHEL Engineer's instructions. Where the electric resistance heating method is adopted Vendor shall make all arrangement including heating equipment with automatic recording devices, all heating elements, thermocouples and attachment units, graph sheets, thermal chinks, & insulating materials like mineral wool, asbestos cloth, ceramic beads, asbestos ropes etc, required for all heating and stress relieving works.
- 5.3.8 All the recorded graphs for heat treatment shall be handed over to BHEL/ IBR /Inspection authorities and due clearances shall have to be obtained.
- 5.3.9 Results of these processes shall be verified/ validated as per requirements of BHEL/ client.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - VI: Preservation & Protection of Materials and Components

6.0 Preservation & Protection of Materials and Components

- 6.1 At all stages of work, Equipment's/Materials in the custody of Vendor will have to be preserved as per the instructions of BHEL. Necessary preservation agents including the primer & paint, for the above work shall be provided by the Vendor.
- 6.2 The Vendor shall make suitable security arrangements including employment of security personnel and ensure protection of all materials/ equipment in their custody and installed equipment's from theft/fire/pilferage and any other damages and losses.
- 6.3 Vendor shall be solely responsible for preservation and safety of material. Vendor shall refurbish/replenish the material in case of any loss of material, without any cost to BHEL.

7 Exclusion in the scope of work are as mentioned hereunder:

- 7.1 Supply of Foundation bolts, bearing, hand rail & Pipe/sleeve.
- 7.2 Supply and fabrication of Electro Forged GI floor Gratings.
- 7.3 Supply and fabrication of Stainless-Steel Items.
- 7.4 Supply and fabrication of Handrail.
- 7.5 Supply and Fabrication of Ceiling girder.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - VIII: Price Bid and Modality of Award

8.1 Price Bid Clause:

Bidder has to quote for 'Package A' in price Bid.

8.1.1 BOQ along with weightage for Package A is mentioned hereunder:

Section-A

SN	Description	QTY	UOM	Weightage/ Factor "X"
1	Fabrication of Star Column (Heaviest component of 40 MT length approx. 12 mtr.)	22,500.00	MT	0.1697164077
2	Fabrication other than star column (Beams, Bracing, Landing & Connecting Platforms, gantry girders, roof trusses, portals, laced purlins, hangers, monorails, galleries, stiffeners, etc.)	97,500.00	MT	0.7180122929
3	Blast cleaning of steel structures to near white metal surface (Sa 2 1/2) and applying coat of two component moisture curing zinc (ethyl) Silicate primer of minimum 70-micron DFT.	1,20,000.00	MT	0.0512879483
4	Providing and applying intermediate coat of two component polyamide cured epoxy with MIO Content of minimum 100-micron DFT	1,20,000.00	MT	0.0254680004
5	Providing and applying Finish coat of two-pack aliphatic Isocyanate cured acrylic finish paint minimum 70-micron DFT.	1,20,000.00	MT	0.0355153507

Section-B VOID

Section-C Transportation Cost

Sl No	Description	Qty	UOM	Fixed Value
1.0	Fixed Unit Charges for Transportation of Finished Materials from Factory to BHEL site	1	Rs/MT/kms	₹ 3.96

Note for Section-C (Transportation Cost):

- a) The Transportation Cost shall be paid Hundred Percent (100%) of Local Transportation charges (including clearance, handling and any other charges etc., if applicable) for the Structural Items to the vendor pro-rata of actual weight of items

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - VIII: Price Bid and Modality of Award

received at site and on production of invoices at site.

- b) Retention Charges shall not be retained on the Transportation Charges Invoices.
- c) The Transportation Charges are not the part of the contract value and shall be paid extra on actual weightment of the material at site and the distance defined for each site/project as mentioned in Clause no 3.2 of this TCC.
- d) Separate Invoice Shall be generated for the Transportation Charges for each consignment.

8.2 Modality of award

- i. The total scope of work is being divided into Two (02) packages. Each package shall be awarded to two different Agencies on price matching philosophy, as mentioned hereunder.
- ii. **The subject tender shall be awarded in the following mode, w.r.t. extant policy/guideline and statutory rules.**
 - a. **Bidders shall quote “Total Price” (excluding GST)** for Section-A of ‘Package-A’ in Rupees in VOL-II-Price-Bid at BHEL E-procurement Portal. Any other entry elsewhere in the offer of the bidder shall be treated as Null and Void.

b. Price bids of qualified bidders shall be evaluated for ‘Section-A of Package-A’ Excluding ‘Section-C’ for which the amount is Pre-fixed by BHEL for Transportation Charges. Based on the “Total Price (exclusive of GST)” excluding Section-C all qualified Bidders shall be aligned in order of Price Competitiveness (i.e. L-1, L-2, L-3 and henceforth).

- c. **Package-A & Package-B shall be awarded as per following steps:**

Step-1: Package-A shall be awarded to L-1 Bidder, with acceptable L-1 rates to BHEL.

Step-2: For the award of Package-B:

Finalized L-1 rates shall be counter offered to the other bidders in the order of Price Competitiveness (i.e. L-2, L-3 and henceforth). The bidder accepting the L1 rates shall be considered for awarding of Package-B. The unit rates of Package-A as derived from L-1 rates shall be applicable for unit rates of Package-B and accordingly Total awarded value of Package-B shall be calculated.

Step – 3: In case other bidder(s) do not accept the rate of Successful L-1 bidder for Package-B, Package-B shall also be awarded to successful L-1 bidder as a separate contract, at discretion of BHEL.

d. VOID

8.3 Instructions to the vendors

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - VIII: Price Bid and Modality of Award

- I. BHEL has pre-fixed the Weightage/Factor as detailed above in this chapter for deriving the Unit Rates. By multiplying BHEL pre-fixed Weightages / Factor and the total quoted prices; Total amount of individual items shall be derived. Unit Rate/Item Rate shall be arrived upon dividing the total amount of individual items and the weight of the individual item. Unit Rate/Item Rate thus arrived shall be rounded off to two decimal places.
- II. Vendors to note that the subject tender is an item rate contract. Payment shall be made for the actual quantities of work executed at the unit rate arrived above.
- III. For the convenience of vendors, BHEL has issued an excel sheet with all the requisite formulae as described above. However, the referred excel sheet shall not form part of contract document. Further, this sheet should not be uploaded at the e-Portal.
- IV. **Delivery Terms:** Vendor shall quote on F.O.R. Destination basis (including Freight, Packaging and Forwarding charges). Offers other than F.O.R. Destination Basis will not be accepted by BHEL.
- V. **Liquidated Damages/Penalty:**
For the purpose of calculation of the Liquidated Damages for the contract value following procedure shall be adopted: -
 - a) The Total Awarded Contract Value shall be divided into equivalent 18 portions wherein one portions represent the value of the contract which shall be executed for 1 quarter. Thus, the total contract shall have 18 equivalent quarters.
 - b) The Liquidated Damages shall be applicable for the delay attributable to vendor for the Unexecuted portion for each quarter and the LD shall be set off quarter wise.
 - c) LD shall be 0.5% of basic value of the undelivered / delayed portion per week of delay or part thereof subject to a maximum of 5% of the total contract value (i.e. excluding elements of taxes).
 - d) For this purpose, the period of delay shall be the delay attributable to the vendor for the completion of work as per Contract Value for the quarter. Contract Value for this purpose, shall be the total Work order value inclusive of Quantity Variation and exclusive of Extra Works, Supplementary/Additional Items & PVC, if any.
 - e) **Force Majeure Clause:** In the event of any Force Majeure condition such as floods, heavy rains, or any other natural calamity that prevents the completion of fabrication work as per the agreed schedule, Liquidated Damages (LD) shall not be applicable for the period of delay directly attributable to such events. The existence and impact of such Force Majeure conditions shall be determined and certified solely by the Resident Manager of BHEL, whose decision in this regard shall be final and binding on the vendor.

For Understanding, following illustration might be referred: -

- ***Total Awarded Contract Value to the successful Vendor- 500 Cr.***
- ***Contract Value for Each Quarter for 5 Years Contract- $500/18 = 27.78$ Cr.***

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - VIII: Price Bid and Modality of Award

Minimum Quantity required to be fabricated for 1 quarter = 6000 MT (Jointly Agreed by Vendor and BHEL).

If, Total Quantity fabricated by the Vendor in the Quarter = 5900 MT.

Shortfall in the quantity for the reasons attributable to vendor = 100 MT.

Suppose, the vendor fabricates the 100 MT in next 9 Days.

LD is applicable for the delay of 2 weeks (7 days for 1 week + additionally 2 days shall be counted to 1 week as a part thereof).

Total LD applicable = .5% for each Week X Total CV for each Quarter.

= .5% x 2 x 27.78 Cr.

= 0.2778 Cr. i.e. 27.78 Lakhs

The LD Shall be deducted in the last RA bill of each quarter.

- VI. **Short Closure:** BHEL may short close the contract at any stage of the contract/extended period without assigning any reasons to the vendor.
- VII. Successful Vendor shall necessarily submit the following details, upon intimation from BHEL, in the given formats:
- Duly Filled Vendor's Proposal and Evaluation Report. Format - P4F1R0 – Annexure-3.
 - Duly Filled Vendor Questionnaire. Format - P4F2R0 – Annexure-4.
 - Valid Factory Registration certificate.
 - Overall Organization Chart with Manpower details (Design, Manufacturing, Quality etc.).
 - Source of Raw Material.
 - List of Qualified Welder and NDT personnel with Vendor.
 - List of Manufacturing Equipment available with vendor.
 - List of Testing Equipment available with vendor.
 - Manufacturing process execution plan with flow chart indicating various stages of manufacturing from raw material to finished product including outsourced process, if any.
 - Details of Outsourced Manufacturing Processes, if any.
 - Quality control exercised during receipt, in-process & final inspection.
 - Product Satisfactory performance feedback letter/End user Certificate.
 - Copy of ISO 9001 Certificate.
 - Compliance of Statutory requirements (As applicable).
 - The factory shall be inspected by BHEL in line with the **TENTATIVE REQUIREMENT FOR FACTORY FOR FABRICATION OF STEEL STRUCTURES** provided under **Annexure-A**. The vendors complying to all the necessary requirements as mentioned in the Annexure only shall be considered for the final inspection by BHEL and CUSTOMER.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - VIII: Price Bid and Modality of Award

- p. After inspection of the Factory by BHEL, a team of members comprising of BHEL & CUSTOMER may visit fabrication shop for checking eligibility/competency of shop. Approval from BHEL/CUSTOMER is required before start the fabrication job. In case of any discrepancy, Vendor shall comply as per BHEL/CUSTOMER requirement at any stage of job.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - IX: Taxes and Duties

9.0	TAXES & DUTIES
9.1	The vendor shall pay all (save the specific exclusions as enumerated in this clause) taxes, fees, license, charges, deposits, duties, tools, royalty, commissions, other charges, etc. which may be levied on the input goods & services consumed and output goods & services delivered in course of his operations in executing the contract. In case BHEL is forced to pay any of such taxes/duties, BHEL shall have the right to recover the same from his bills or otherwise as deemed fit. However, provisions regarding GST on output supply (goods/service) and TDS/TCS as per Income Tax Act shall be as per following clauses.
9.2	GST (Goods and Services Tax)
9.2.1	GST as applicable on output supply (goods/services) are excluded from vendor's scope; therefore, vendor's price/rates shall be exclusive of GST. Reimbursement of GST is subject to compliance of following terms and conditions. BHEL shall have the right to deny payment of GST and to recover any loss to BHEL on account of tax, interest, penalty etc. for non-compliance of any of the following condition.
9.2.2	The admissibility of GST, taxes and duties referred in this chapter or elsewhere in the contract shall be limited to direct transactions between BHEL & its Vendor. BHEL shall not consider GST on any transaction other than the direct transaction between BHEL & its Vendor.
9.2.3	Vendor shall obtain prior written consent of BHEL before billing the amount towards such taxes. Where the GST laws permit more than one option or methodology for discharging the liability of tax/levy/duty, BHEL shall have the right to adopt the appropriate one considering the amount of tax liability on BHEL/Client as well as procedural simplicity with regard to assessment of the liability. The option chosen by BHEL shall be binding on the Vendor for discharging the obligation of BHEL in respect of the tax liability to the Vendor.
9.2.4	Vendor has to submit GST registration certificate of the concerned state. Vendor also needs to ensure that the submitted GST registration certificate should be in active status during the entire contract period.
9.2.5	Contractor/Vendor has to issue Invoice/Debit Note/Credit Note indicating HSN/SAC code, Description, Value, Rate, applicable tax and other particulars in compliance with the provisions of relevant GST Act and Rules made thereunder.
9.2.6	Vendor has to submit GST compliant invoice within the due date of invoice as per GST Law. In case of delay, BHEL reserves the right of denial of GST payment if there occurs any hardship to BHEL in claiming the input thereof. In case of goods, vendor has to provide scan copy of invoice & GR/LR/RR to BHEL before movement of goods starts to enable BHEL to meet its GST related compliances. Special care should be taken in case of month end transactions.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - IX: Taxes and Duties

9.2.7	Vendor has to ensure that invoice in respect of such services which have been provided/completed on or before end of the month should not bear the date later than last working day of the month in which services are performed.
9.2.8	Subject to other provisions of the contract, GST amount claimed in the invoice shall be released on fulfilment of all the following conditions by the Vendor: - a. Supply of goods and/or services have been received by BHEL. b. Original Tax Invoice has been submitted to BHEL. c. Contractor/ Vendor has submitted all the documents required for processing of bill as per work order. d. In cases where e-invoicing provision is applicable, vendor/contractor is required to submit invoice in compliance with e-invoicing provisions of GST Act and Rules made thereunder. e. Vendor has filed all the relevant GST return (e.g. GSTR-1, GSTR-3B, etc.) pertaining to the invoice submitted and submit the proof of such return along with immediate subsequent invoice. In case of final invoice/ bill, vendor has to submit proof of such return within fifteen days from the due date of relevant return. f. Respective invoice has appeared in BHEL's GSTR - 2A for the month corresponding to the month of invoice and in GSTR-2B of the month in which such invoices has been reported by the vendor along with status of ITC availability as "YES" in GSTR-2B. Alternatively, BG of appropriate value may be furnished which shall be valid at least one month beyond the due date of confirmation of relevant payment of GST on GSTN portal or sufficient security is available to adjust the financial impact in case of any default by the vendor. g. Vendor has to submit an undertaking confirming the payment of all due GST in respect of invoices pertaining to BHEL.
9.2.9	Any financial loss arises to BHEL on account of failure or delay in submission of any document as per work order at the time of submission of Tax invoice to BHEL, shall be deducted from vendor's bill or otherwise as deemed fit.
9.2.10	TDS as applicable under GST law shall be deducted from vendor's bill.
9.2.11	Vendor shall comply with the provisions of e-way bill wherever applicable. Further wherever provisions of GST Act permit, all the e-way bills, road permits etc. required for transportation of goods needs to be arranged by the vendor.
9.2.12	Vendor shall be solely responsible for discharging his GST liability according to the provisions of GST Law and BHEL will not entertain any claim of GST/interest/penalty or any other liability on account of failure of vendor in complying the provisions of GST Law or discharging the GST liability in a manner laid down thereunder.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - IX: Taxes and Duties

9.2.13	In case declaration of any invoice is delayed by the vendor in his GST return or any invoice is subsequently amended/alterd/deleted on GSTN portal which results in any adverse financial implication on BHEL, the financial impact thereof including interest/penalty shall be recovered from the Contactor's due payment.												
9.2.14	Any denial of input credit to BHEL or arising of any tax liability on BHEL due to non-compliance of GST Law by the Vendor in any manner, will be recovered along with liability on account of interest and penalty (if any) from the payments due to the Contactor.												
9.2.15	In the event of any ambiguity in GST law with respect to availability of input credit of GST charged on the invoice raised by the vendor or with respect to any other matter having impact on BHEL, BHEL's decision shall be final and binding on the vendor.												
9.2.16	<u>Variation in Taxes & Duties:</u> Any upward variation in GST shall be considered for reimbursement provided supply of goods and services are made within schedule date stipulated in the contract or approved extended schedule for the reason solely attributable to BHEL. However downward variation shall be subject to adjustment as per actual GST applicability. In case the Government imposes any new levy/tax on the output service/goods after price bid opening, the same shall be reimbursed by BHEL at actual. The reimbursement under this clause is restricted to the direct transaction between BHEL and its contactor only and within the contractual delivery period only. In case any new tax/levy/duty etc. becomes applicable after the date of Vendor's offer but before opening of the price Bid, the Bidder/Contractor must convey its impact on his price duly substantiated by documentary evidence in support of the same before opening of price bid. Claim for any such impact after opening the price bid will not be considered by BHEL for reimbursement of tax or reassessment of offer.												
9.3	<u>Income Tax:</u> TDS/TCS as applicable under Income Tax Act, 1961 or rules made thereunder shall be deducted/collected from vendor's bill.												
9.4	<u>List of state wise GSTIN Nos. of BHEL is as follows:</u> <table><tr><th>Sl. No</th><th>Projects under state</th><th>GSTIN</th></tr><tr><td>1</td><td>Andhra Pradesh</td><td>37AAACB4146P7Z8</td></tr><tr><td>2</td><td>Bihar</td><td>10AAACB4146P1ZU</td></tr><tr><td>3</td><td>Chhattisgarh</td><td>22AAACB4146P1ZP</td></tr></table>	Sl. No	Projects under state	GSTIN	1	Andhra Pradesh	37AAACB4146P7Z8	2	Bihar	10AAACB4146P1ZU	3	Chhattisgarh	22AAACB4146P1ZP
Sl. No	Projects under state	GSTIN											
1	Andhra Pradesh	37AAACB4146P7Z8											
2	Bihar	10AAACB4146P1ZU											
3	Chhattisgarh	22AAACB4146P1ZP											

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - IX: Taxes and Duties

	4	Gujarat	24AAACB4146P1ZL	
	5	Jharkhand	20AAACB4146P5ZP	
	6	Madhya Pradesh	23AAACB4146P1ZN	
	7	Maharashtra	27AAACB4146P1ZF	
	8	Orissa	21AAACB4146P1ZR	
	9	Telangana	36AAACB4146P1ZG	

9.5 BOCW Act & Cess Act

9.5.1 BOCW Cess is not to be borne by Vendor. Refer Annexure-I for BOCW Act & Cess Act.

Annexure-I:	
Bidder may please note that the sub-contractor/bidder of BHEL engaging building or construction worker in connection with building or other construction work, are required to follow the procedures enumerated below:	
1.	It shall be the sole responsibility of the Vendor as employer to ensure compliance of all the statutory obligations under the Building and other Construction Workers' (Regulation of Employment and Conditions of Service) Act, 1996 and the Building and other Construction Workers' Welfare Cess Act, 1996 and the rules made thereunder.
2.	It shall be sole responsibility of the Vendor engaging Building Workers in connection with the building or other construction works in the capacity of employer to apply and obtain registration certificate specifying the scope of work under the relevant provisions of the Building and Other Construction Workers' (Regulation of Employment and Conditions of Service) Act, 1996 from the appropriate Authorities.
3.	It shall be responsibility of the Vendor to furnish a copy of such Registration Certificate within a period of one month from the date of commencement of Work.
4.	It is responsibility of the Vendor to register under the Building and other Construction Workers' Welfare Cess Act, 1996 and deposit the required Cess for the purposes of the Building and other Construction Workers' (Regulation of Employment and Conditions of Service) Act, 1996 at such rate as the Central Government may, by notification in the Official Gazette, from time to time specify. However, before registering and deposit of Cess under the Building and other Construction Workers' Welfare Cess Act, 1996, the Vendor will seek written prior approval from the Construction Manager.
5.	It shall be sole responsibility of the Vendor as employer to get registered every Building Worker, who is between the age of 18 to 60 years of age and who has been engaged in any building or other construction work for not less than ninety days during the preceding twelve months as

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - IX: Taxes and Duties

	Beneficiary under the Building and other Construction Workers' (Regulation of Employment and Conditions of Service) Act, 1996.
6.	It shall be sole responsibility of the Vendor as employer to maintain all the registers, records, notices and submit returns under the Building and other Construction Workers' (Regulation of Employment and Conditions of Service) Act, 1996 and the Building and other Construction Workers' Welfare Cess Act, 1996 and the rules made thereunder.
7.	It shall be sole responsibility of the Vendor as employer to provide notice of poisoning or occupation notifiable diseases, to report of accident and dangerous occurrences to the concerned authorities under the Building and other Construction Workers' (Regulation of Employment and Conditions of Service) Act, 1996 and the rules made thereunder and to make payment of all statutory payments & compensation under the Employees' Compensation Act, 1923.
8.	It shall be the responsibility of the sub-Vendor as employer to make payment/deposit of applicable cess amount on the extent of work involving building or construction workers engaged by the sub-contractor within a period of one month from the receipt of payment. It shall also be responsibility of the Vendor to furnish BHEL on monthly basis, Receipts/ Challans towards Deposit of the Cess under the Building and other Construction Workers' Welfare Cess Act, 1996 and the rules made thereunder along with following statistics: i) Number of Building Workers employed during preceding one month. ii) Number of Building workers registered as Beneficiary during preceding one month. iii) Disbursement of Wages made to the Building Workers for preceding wage month. iv) Remittance of Contribution of Beneficiaries made during the preceding month
9.	BHEL shall reimburse the Vendor the Cess amount deposited for the purposes of the Building and other Construction Workers' (Regulation of Employment and Conditions of Service) Act, 1996 under the Building and other Construction Workers' Welfare Cess Act, 1996 and the rules made thereunder. However, BHEL shall not reimburse the Fee paid towards the registration of establishment, fees paid towards registration of Beneficiaries and Contribution of Beneficiaries remitted.
10.	It shall be responsibility of the Building Worker engaged by the Vendor and registered as a beneficiary under the Building and other Construction Workers' (Regulation of Employment and Conditions of Service) Act, 1996 to contribute to the Fund at such rate per mensem as may be specified by the State government by notification in the Official Gazette. Where such beneficiary authorizes the Vendor being his employer to deduct his contribution from his monthly wages and to remit the same, the Vendor shall remit such contribution to the Building and other construction Workers' Welfare Board in such manner as may be directed by the Board , within the fifteen days from such deduction.
11.	Bidders may please note that though the quoted price is exclusive of BOCW (which will be reimbursed by BHEL as per sub-clause 9 above) , however, If at any point of time during the contract period, non-compliance of the provisions of the Building and other Construction Workers' (Regulation of Employment and Conditions of Service) Act, 1996 and the Building and other Construction Workers' Welfare Cess Act, 1996 and the rules made thereunder is observed, BHEL reserves the right to deduct the applicable cess (1%)

TECHNICAL CONDITIONS OF CONTRACT (TCC)

Chapter - IX: Taxes and Duties

	on the contract value and penalty (if any, imposed by Cess Authorities) from the payables on account of non-compliance.
12.	The Vendor shall declare to undertake any liability or claim arising out of employment of building workers and shall indemnify BHEL from all consequences / liabilities / penalties in case of non-compliance of the provisions of the Building and other Construction Workers' (Regulation of Employment and Conditions of Service) Act, 1996 and the Building and other Construction Workers' Welfare Cess Act, 1996 and the rules made thereunder.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

ANNEXURE – A: Tentative Requirement for Factory at the time of Establishment

TENTATIVE REQUIREMENT FOR FACTORY FOR FABRICATION OF STEEL STRUCTURES at the time of Establishment.

Vendor must ensure the fulfilment of the below mentioned minimum requirements which shall be met by the Vendor during the establishment of the factory.

The tentative requirements listed below shall be fulfilled within 4 months from the date of award of the LOA.

Sr. No	Characteristic	Check List
1	License	a Availability of factory registration license, GST Registration and other statutory licenses/permissions etc.
2	Quality management	a Availability of work instruction/procedures for critical activities & its implementations. b ISO 9001:2008 or equivalent valid certification. c Availability of Effective System of Internal Audit.
3	Raw Material control	a Incoming raw material acceptance -MTC review records available b Availability of material correlation/identification procedures & its implementations by hard punching with protective coating/by record keeping/painting etc.* c Storage/stacking of raw material-in organized manner or elevated platform with proper identification.
4	Material handling	a Availability of EOT crane/ Gantry Crane of required capacity to handle maximum Load required for movement. b Availability of gantry cranes/Hydra/other handling equipment's capable to handle proposed heaviest component (if required other than EOT crane)
5	Handling of weld consumables	a Availability of calibrated baking oven, holding oven & portable ovens (in sufficient quantities) b Proper storage of weld consumables or racks & other controlled conditions. c Weld consumables handling: Issue/return of electrodes from store properly documented/recorded.
6	Welding qualification	a Availability of qualified WPS & PQR. b Availability of sufficient no of qualified welders. c Availability of welder performance monitoring/defect rate monitoring systems.
7	Quality Records	a Randomly on verification of documents for one or two order executed, availability of proper quality related documents.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

ANNEXURE – A: Tentative Requirement for Factory at the time of Establishment

TENTATIVE REQUIREMENT FOR FACTORY FOR FABRICATION OF STEEL STRUCTURES at the time of Establishment.

Vendor must ensure the fulfilment of the below mentioned minimum requirements which shall be met by the Vendor during the establishment of the factory.

The tentative requirements listed below shall be fulfilled within 4 months from the date of award of the LOA.

Sr. No	Characteristic	Check List
8	Machinery	a Availability of sufficient no of SAW welding machines.
		b Availability of sufficient number of GTAW welding machines.
		c Availability of sufficient number of welding machinery-SMAW/GTAW/FCAE etc.
		d Availability of CNC plasma/torchy cutting machines/profile cutting machines.
		e Availability of PUG/Gas cutting machines
		f Availability of radial drilling machine, lath Machine & rolling machine-capacity matching to proposed thickness & size of component.
		g Availability of weld edge preparation/bevel end cutting machines
		h Availability of CNC multi axis drilling machine-at least two axis drilling simultaneously and end milling machine-capacity matching to proposed size/thickness of component.
9	Spare/Inspection Area	a Availability of said levelled floor for trail assembly adequate for proposed size of components with required material handling capacity
		b Availability of sufficient size of covered shed with concrete platform for fabrication activities.
9	NDT/HEAT treatment/hydr	a Availability of Heat Treatment /Stress Relieving facility.
		b Availability of Beam straightening machine
		c Availability of DPT/MPI facility
		d Availability of RT facility

TECHNICAL CONDITIONS OF CONTRACT (TCC)

ANNEXURE – A: Tentative Requirement for Factory at the time of Establishment

TENTATIVE REQUIREMENT FOR FACTORY FOR FABRICATION OF STEEL STRUCTURES at the time of Establishment.

Vendor must ensure the fulfilment of the below mentioned minimum requirements which shall be met by the Vendor during the establishment of the factory.

The tentative requirements listed below shall be fulfilled within 4 months from the date of award of the LOA.

Sr. No	Characteristic	Check List
	o/leak test facility	e Availability of UT facility
		f Availability of RT film viewer/dark room, densitometer, reference photograph etc. if RT is done
10	Professional qualification/quality manpower	a Availability of qualified & experience manpower for quality.
		b Availability of qualified welding inspectors.
		c Availability of DP/MPT Level II qualified personal.
		d Availability of RT level II qualified personal if applicable.
		e Availability of UT level II qualified personal if required.
11	Testing facility	a Availability of testing facilities for chemical testing by Spectro/PMI.
		b Availability of testing facilities like UTS% elongation/ben/impact testing /hardens etc.
		c Availability of calibrated tape/laser beam instruments to measure long column length for proto /assembly
		d Availability of calibrated weld gauge, Vernier, micrometer & measuring instruments
		e Availability of calibration status of major equipments and measuring instruments.
12	Surface cleaning & painting	a Availability of covered shot/grit blasting facility with air compressor, mechanism to segregate fine shot (Sieves) shots/grits re-collection mechanism, surface compactor/surface roughness meter etc.
		b Availability of in-house painting facility (separate covered area) airless gun for painting etc.
		c Availability of in-house testing facility, paint thickness & paint adhesion.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

ANNEXURE – B: PRICE VARIATION COMPENSATION

1. PRICE VARIATION COMPENSATION (PVC)

PVC shall be applicable for entire contract period and extended period if any.

In order to take care of variation in cost of execution of work on either side, due to variation in the index of LABOUR, HIGH SPEED DIESEL OIL, WELDING ROD, CEMENT, STEEL, PAINT MATERIALS, Price Variation Formula as described herein shall be applicable

2. 85% component of Contract Value shall be considered for PVC calculations and remaining 15% shall be treated as fixed component. The basis for calculation of price variation in each category, their component, Base Index, shall be as under:

SL NO.	CATEGORY	INDEX/ AVERAGE MINIMUM WAGE	PERCENTAGE COMPONENT ('K') FABRICATION Material in Vendor scope	PERCENTAGE COMPONENT ('K') Transportation
i)	LABOUR (ALL CATEGORIES)	'MONTHLY ALL-INDIA AVERAGE CONSUMER PRICE INDEX NUMBERS FOR INDUSTRIAL WORKERS' published by Labour Bureau, Ministry of Labour and Employment, Government of India. (Website: labourbureau.nic.in)	17	15
ii)	WELDING ROD	Name of Commodity: MANUFACTURE OF BASIC METALS Commodity Code: 1314000000	5	0
iii)	HIGH SPEED DIESEL	Name of Commodity: HSD Commodity Code: 1202000005	2	70
iv)	STEEL (Structural)	JPC Rate of 12 mm Thick plates (Average monthly rate of rates issued by Joint Plant Committee for average of Delhi & Kolkata region, Constituted by Govt. of India) (Website: https://trichyintrabhel.in/mm/)	57	0
v)	PAINT	Name of Commodity: PAINT Commodity Code: 1310050000	4	0

3. As per the 'MONTHLY WHOLE SALE PRICE INDEX' for the respective Commodity and Type, published by Office of Economic Adviser, Ministry of Commerce and Industry, Government of India. (Website: eaindustry.nic.in). Revisions in the index or commodity will be re-adjusted accordingly.
4. Payment/recovery due to variation in index shall be determined on the basis of the following notional formula in respect of the identified COMPONENT ('K') viz LABOUR, HIGH SPEED DIESEL OIL, WELDING ROD, CEMENT, STEEL, PAINT, MATERIALS.HSD

TECHNICAL CONDITIONS OF CONTRACT (TCC)

ANNEXURE – B: PRICE VARIATION COMPENSATION

$$P = K \times R \times \frac{(X_N - X_o)}{X_o}$$

X_o

Where,

- P = Amount to be paid/recovered due to variation in the Index for Labour, High Speed Diesel Oil, Welding Rod, Paint, Cement, Steel and Materials
- K = Percentage COMPONENT ('K') applicable for Labour, High Speed Diesel Oil, Welding Rod, Paint, Cement, Steel and Materials
- R = Value of work done for the billing month (Excluding Taxes and Duties if payable extra)
- X_N = Revised Index for Labour, Revised Average Minimum Wages for Labour, Revised Index for High Speed Diesel Oil, Welding Rod, Paint, Cement and Materials for the billing month under consideration.

For Steel, revised average monthly rate of rates issued by JPC for average of Delhi & Kolkata region shall be "n-1" month.

- X_o = Index for Labour, Average Minimum Wages for Labour, Index for High Speed Diesel Oil, Welding Rod, Paint Cement, Steel and Materials as on the Base date

5. PVC shall not be payable for Extra works. However, PVC will be applicable for items executed under quantity variation of BOQ items under originally awarded contract.
6. Base date shall be the calendar month of the '**last date of bid submission**'.
7. The Vendor shall furnish necessary monthly bulletins in support of the requisite indices from the relevant websites along with his Bills.
8. The Vendor will be required to raise the bills for price variation payments on a monthly basis along with the running bills irrespective of the fact whether any increase/decrease in the index for relevant categories has taken place or not. In case there is delay in publication of bulletins (final figure), the provisional values as published can be considered for payments and arrears shall be paid/recovered on getting the final values.
9. If the price of steel procured by the Vendor increase by more than 10% compared to the price of the same product from the same supplier in the immediately preceding month, and this variation is not adequately captured in the relevant index (specifically, JPC rate change), the Vendor may submit a claim to BHEL. Such a claim must be accompanied by appropriate documentary evidence, including but not limited to supplier invoices, purchase orders, and other materials substantiating the price change. BHEL will review the claim in good faith and may, at its sole discretion, approve suitable compensation, subject to the merits of the case and the applicable terms of the contract. All claims under this provision must be submitted within 15 days from the date the price variation is identified.
10. PVC shall be applicable for the entire original contract period plus the extended period, i.e. for the complete execution period, as follows:
For PVC computation of the n^{th} month:
Let the cumulative delay attributable to the Vendor is D_n in the n^{th} month as per delay analysis.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

ANNEXURE – B: PRICE VARIATION COMPENSATION

Considering R_n as the billing value for the n^{th} month, PVC for the n^{th} month shall be calculated as follows:

- a) PVC for the portion of R_n for an amount of $D_{(n-1)}$ shall be payable as per indices for the $(n-1)^{\text{th}}$ month.
- b) PVC for the balance portion of R_n shall be payable as per indices for the n^{th} month.

In case $D_{(n-1)}$ is greater than R_n , then entire R_n shall be payable as per indices for the $(n-1)^{\text{th}}$ month and the balance portion of $D_{(n-1)}$ shall be adjusted from $R_{(n+1)}$ of the $(n+1)^{\text{th}}$ month and will be payable as per indices for the $(n-1)^{\text{th}}$ month. The above process shall be continued for subsequent month(s) also till full $D_{(n-1)}$ is consumed.

11. PVC shall not be applicable for time extension provided for the delays solely attributable to the Vendor. No PVC is payable during the period of Provisional Time Extension till grant of final time extension. Applicability of PVC will be decided at the time of grant of final time extension.

12. **The total amount of PVC shall not exceed 15% of the cumulatively executed contract value.** Executed contract value for this purpose is exclusive of PVC, ORC, Supplementary/Additional Items and Extra works except items due to quantity variation.

Tender Enquiry No. BHEL/CPC/KKN/FAC-FAB/26/001 for ESTABLISHMENT OF A FABRICATION SHOP AND SUPPLY OF FACTORY FINISHED STRUCTURES TO BHEL PROJECT SITES ACROSS INDIA BASED ON INPUT DESIGN & DRAWINGS PROVIDED BY BHEL at KARKHIYAON, VARANASI UTTAR PRADESH.

SI No.	PO/WO Details	PO/WO Date	Total Quantity	Details of supply of Structure (Per Month Quantity in MT)												TOTAL QTY for 12 months	Details of end Customer 1) Name of Customer 2) E-Mail Id of Contact Person 3) Phone No (If Available)
				MM/YY	MM/YY	MM/YY	MM/YY	MM/YY	MM/YY	MM/YY	MM/YY	MM/YY	MM/YY	MM/YY	MM/YY		
				*****/****	*****/****	*****/****	*****/****	*****/****	*****/****	*****/****	*****/****	*****/****	*****/****	*****/****	*****/****		
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
TOTAL																	

Details with respect to the Fabrication and Supply of the Heaviest component by the Vendor

SI No	Description	Details
1	Weight of the Heaviest Component Supplied by Vendor (MT)	
2	Dimensions of the heaviest Component	
3	Date of Manufacturing of the heaviest Component	
4	WO/PO/Drawing Reference for the above.	

Annexure - 2A, 2B & 2C

SUB-SECTION–E-60

INDICATIVE VENDOR LIST

**SIPAT SUPER THERMAL POWER PROJECT
STAGE-III (1X800 MW)
EPC PACKAGE**

**TECHNICAL SPECIFICATION
SECTION-VI, PART-B
BID. DOCUMENT NO.:**

Disclaimer for Indicative Vendor List

- 1.1 Reasonable efforts have been made to collate the sub-vendors proposed by the various main contractors from time to time against different Projects/Packages and accepted by NTPC for various items. However, in case of error/omission, if any, and represented by the successful bidder this will be addressed during the execution of the contract based on the material evidence available with NTPC / Main Contractor.
- 1.2 The approved sub-vendor list drawn is not based on NTPC driven enlistment process but based on the sub- vendors proposed by various Main Contractors. As such, it is possible that some of the Suppliers/Manufacturers who may be involved in similar work/process may not be appearing in the list as such sub-vendors may not have been proposed by Main Contractors against NTPC Contracts.
- 1.3 In case the successful bidder chooses to propose additional sub-vendors with relevant experience after the award of the contract such sub-vendors will be considered in terms of Clause no: 19.1 of GCC, provided the proposals are received sufficiently in time: 90 days prior to ordering date of a Bought Out Items/Start of Manufacturing so as not to impede the progress of the contract.
- 1.4 Sub-vendors have been grouped under different categories of items. It is possible that an item characterized by certain specific features such as range and type required as per Main Contractor's design requirements may not be in the range of the listed sub-vendor's manufacturing process/capability. As such the main contractor to ascertain the vendor's capability to meet his specific requirements before considering a sub-vendor.

SIPAT STPP STAGE-III (1 X 800 MW) EPC PACKAGE	TECHNICAL SPECIFICATIONS SECTION VI, PART- B Bid Doc. No.:	SUB-SECTION- E-60 INDICATIVE VENDOR LIST	Page 1 of 2

- 1.5 It is to be noted by the bidders that any shortfall in contract performance attributable to the sub-vendor listed will not absolve the contractor from his contractual obligations in any manner.
- 1.6 The approval was granted based on the evaluation of relevant capabilities and facilities possessed by the sub-vendor at the time of evaluation. Also, some of the sub-vendors may not be active. As such, the successful bidder is to carry out his own due diligence before considering the listed sub-vendor for subletting: the current status of the sub-vendor, the continued availability of productive resources including Human Resources.
- 1.7 The list of sub-vendors is periodically revised to include new sub-vendors. Such a revision may also see a deletion of certain sub-vendors who may have been disqualified on grounds of inadequate performance or banned in line with NTPC's banning policy. The then current list will be shared with the successful bidder immediately on award.
- 1.8 In the post award during detailed engineering, Main contractor to take up with sub vendors and ensure/verify approval conditions of NTPC/Owner before placing the orders.

SIPAT STPP STAGE-III (1 X 800 MW) EPC PACKAGE	TECHNICAL SPECIFICATIONS SECTION VI, PART- B Bid Doc. No.:	SUB-SECTION- E-60 INDICATIVE VENDOR LIST	Page 2 of 2

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 02.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
1	RAPH	I			REFER SUB QR ITEM LIST Refer Note 1				STATIC COMPONENTS, ROTATING COMPONENTS, GUIDE/SUPPORT BEARINGS-NTPC APPROVED VENDORS	
2	FD, PA & ID FANS	I			REFER SUB QR ITEM LIST Refer Note 1				STATIC, ROTATING COMPONENTS AND BLADES - NTPC APPROVED VENDORS	
3	COAL MILL	I			REFER SUB QR ITEM LIST Refer Note 1				MILL COUPLING, PGB, GRINDING ROLLS, BULL RING SEGMENTS, MILL HOUSING, SEPARATOR AND OTHER MAIN COMPONENTS - FROM NTPC APPROVED SOURCES	
4	ESP	I			REFER SUB QR ITEM LIST Refer Note 1				COLLECTING ELECTRODE, EMITTING ELECTRODE - NTPC APPROVED VENDORS	
5	GRAVIMETRIC COAL FEEDERS	I			REFER SUB QR ITEM LIST Refer Note 1					
6	RECIRCULATION PUMP	I			REFER SUB QR ITEM LIST Refer Note 1					
7	AUXILIARY BOILER	I			REFER SUB QR ITEM LIST Refer Note 1					
8	ESP SUPPORT STRUCTURE (AUTO WELDED COLUMNS & ROOF BEAMS)	I			NTPC APPROVED SOURCES		A		REFER BOILER STRUCTURE LIST	
9	SEAMLESS TUBES	\$			VALLOUREC & MANNESMANN TUBES	FRANCE, GERMANY	A		CS & AS T-11, T-22, T-23, T-91, T-92	
		\$			TENNARIS GLOBAL SERVICES SA, URUGUAY	DALMINE, ITALY	A		CS & AS T-11, T-22	
		\$			TENNARIS GLOBAL SERVICES SA, URUGUAY	SILCO, ROMANIA	A		CS & AS T-11, T-22, T-23, T-91	
		\$			TENNARIS GLOBAL SERVICES SA,URUGUAY	NKK TUBES, JAPAN	A		CS & AS T-11, T-22, T-91	
		\$			MAHARASHTRA SEAMLESS LTD	RAIGAD	A		CS HOT FINISHED OD:21.0 MM TO 168.3 MM WT: 2.0 MM TO 20.0 MM COLD FINISHED OD:19.0 MM TO 88.9 MM WT: 1.0 MM TO 12.0 MM	
		\$			IBF S.P.A	ITALY	A		CS & AS T-11, T-12, T-22, T-91	
		\$			JFE STEEL CORPORATION	JAPAN	A		CS & AS T-11, T-22, T-23, T-91, T-92	
		\$			TUBOS REUNIDOS INDUSTRIAL, S.L.U	SPAIN	A		CS & AS T-11, T-22, T-23, T-91, T-92	

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW) Package/ पैकेज: EPC PACKAGES Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 02.05.2023 SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
		\$			JINDAL SAW LIMITED	NASHIK	A		CS & AS T-11, T-12, T-22 HOT FINISHED OD: 33.4 MM TO 168.3 MM WT: 3.5 MM TO 21.95 MM COLD FINISHED OD: 6.0 MM TO 140.0 MM WT: 0.8 MM TO 15.0 MM	
		\$			REMI METALS GUJARAT LTD	BHARUCH	A		CS & AS T-11, T-12, T-22 HOT FINISHED OD: 28.6 MM TO 177.8 MM WT: 3.0 MM TO 28.0 MM COLD FINISHED OD: 9.0 MM TO 127.0 MM WT: 1.6 MM TO 20.0 MM	
		\$			WAYMAN GORDAN	USA	A		CS,T11,T12,T22,T91	
		\$			BENTELER STEEL/TUBE GMBH	GERMANY	A		CS,T-11, T23, T-22, T-91 & T-92	
		\$			HEAVY METALS & TUBES LTD	AHMEDABAD	A		CS HOT FINISHED UP TO OD: 76.2 MM AND WT:12.0 MM	
		\$			PRODUCTOS TUBULARES,	SPAIN	A		CS & AS T-11, T-22. T-23, T-91	
		\$			ISMT	AHMEDNAGAR,B ARAMATI	A		CS, T11, 12, 22 HOT FINISHED OD: 38.0 MM TO 273.0 MM WT: 3.5 MM TO 40.0 MM COLD FINISHED OD: 18.0 MM TO 140.0 MM WT: 1.5 MM TO 15.0 MM	
		\$			NIPPON STEEL & SUMITOMO METAL CORPORATION	JAPAN	A		CS, T-11, T-22, T23, T-91, & T-92	
		\$			BENTELER STEEL/TUBE GMBH	GERMANY	A		CS, T-11, T23, T-22, T-91 & T-92	
		\$			BHEL SSTP	TRICHY	A		CS, T-11, T-12, T-22	
10	SEAMLESS TUBES(RIFFLED)	\$			SALZGITTER MANNESAMANN PRECISION	FRANCE	A		CS	
11	SEAMLESS TUBES(SS)	\$			KOBE SPECIALITY STEEL CO LTD	JAPAN	A		SS304, SS347H	
		\$			SMST	ITALY	A		SS304, 347H, SUPER 304	
		\$			TUBACEX	SPAIN	A		SS304, 347H, SUPER 304	
		\$			PASCO SPL STEEL CO.	SOUTH KOREA	A		SS304, 347H, SUPER 304	
		\$			NIPPON STEEL & SUMITOMO METAL CORPORATION	JAPAN	A		SS 304, SS347H, SUPER 304 OD UP TO 114.3 MM	
12	SEAMLESS PIPES	\$			TENNARIS GLOBAL SERVICES SA, URUGUAY	DALMINE, ITALY	A		CS & AS P-11, P-22, P-91	

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 02.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
		\$			TENNARIS GLOBAL SERVICES SA, URUGUAY	SILCO, ROMANIA	A		CS & AS T-11, T-22, T-91 UPTO DIA 159 MM	
		\$			TENNARIS GLOBAL SERVICES SA,URUGUAY	NKK TUBES, JAPAN	A		CS & AS T-11, T-22, T-91	
		\$			VALLOUREC & MANNESMANN TUBES	FRANCE, GERMANY	A		CS & AS P-11, P-22, P-91. P-92	
		\$			TUBOS REUNIDOS INDUSTRIAL, S.L.U	SPAIN	A		CS & AS P-11, P-22, P-91	
		\$			ISMT	AHMEDNAGAR, BARAMATI	A		CS, T11, 12, 22 HOT FINISHED OD: 38.0 MM TO 273.0 MM WT: 3.5 MM TO 40.0 MM COLD FINISHED OD: 18.0 MM TO 140.0 MM WT: 1.5 MM TO 15.0 MM	
		\$			REMI METALS GUJARAT LTD	BHARUCH	A		CS & AS T-11, T-12, T-22 HOT FINISHED OD: 28.6 MM TO 177.8 MM WT: 3.0 MM TO 28.0 MM COLD FINISHED OD: 9.0 MM TO 127.0 MM WT: 1.6 MM TO 20.0 MM	
		\$			VALCONVY TRUB CHOMUTOV,	CZECH REPUBLIC	A		CS & P-12 & P-22	
		\$			ARCELORMITTAL TUBULAR PRODUCTS ROMAN S.A	ROMANIA	A		CS	
		\$			WAYMAN GORDAN	USA	A		CS & AS P-11, P-22, P-91	
		\$			MAHARASHTRA SEAMLESS LTD	RAIGAD	A		CS HOT FINISHED OD:219.1 MM TO 355.6 MM WT: 6.35 MM TO 35.1 MM COLD FINISHED OD:19.0 MM TO 88.9 MM WT: 1.0 MM TO 12.0 MM	
		\$			PRODUCTOS TUBULARES,	SPAIN	A		CS & AS P-11, P-12, P-22, P-91	
		\$			NIPPON STEEL & SUMITOMO METAL CORPORATION	JAPAN	A		CS & AS P-11, P-22, P-91 & P-92	
		\$			TENNARIS GLOBAL SA, URUGUAY	NKK TUBES, ITALY	A		P-91, P-22, P-11, P12, CS	
		\$			JINDAL SAW LIMITED	NASHIK	A		CS, T11, 12, 22 HOT FINISHED OD: 33.4 MM TO 168.3 MM WT: 3.5 MM TO 21.95 MM COLD FINISHED OD: 6.0 MM TO 140.0 MM WT: 0.8 MM TO 15.0 MM	
		\$			IBF S.P.A	ITALY	A		P-92, P-91, P-22, P-11, P12, CS	
		\$			JFE STEEL CORPORATION	JAPAN	A		P-92, P-91, P-22, P-11, P12, CS	
		\$			BHEL SSTP	TRICHY	A		CS	
		\$			BENTELER STEEL/TUBE GMBH	GERMANY	A		P-11, P-22, P-91, P-92 UP TO OD 160 MM	

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 02.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
		\$			RINGMILL SPA	ITALY	A		CS OD UP TO 914 MM & WT UP TO 102 MM & AS P-91	
		\$			FORGIATURA MORANDINI SRL	ITALY	A		CS & AS P-11, P-22, P-91 & P-92	
13	PLATES AND ROLLED SECTION (CS & AS EXCLUDING CS- IS:2062 GRADES)	\$			INDUS STEEL	BELGIUM	A		CS-SA515 AS UP T0 GR-91	
		\$			ILSENBURGER GROBBLECH	GERMANY	A		CS-SA 299, SA515, BS EN 10025, AS UP TO GRADE 91	
		\$			DILLINGER-GTSVENTES	GERMANY	A		CS-SA 299, SA515, BS EN 10025, A36, AS UP TO GRADE 91	
		\$			SIJ ACRONI D.O.O., SLOVENIA	SLOVENIA	A		CS- SA515, BS EN 10025, A36, AS UP TO GRADE 91	
		\$			THYSSENKRUPP	GERMANY	A		CS- SA515 BS EN 10025 A36, AS UP TO GRADE 22	
		\$			INDUSSTEEL LOIRE	FRANCE	A		CS-SA 299, SA515; AS UP TO GRADE 22	
		\$			ARCELLOR MITAL NIPPON STEEL (Formerly ESSAR Steel)	HAZIRA	A		CS- SA515, BS EN 10025, A36, AS GRADE 12 &22	
		\$			VOESTALPINE GROBBLECH GMBH	AUSTRIA	A		CS- SA515 BS EN 10025 A36, AS UP TO GRADE 22	
		\$			SAIL	BHILAI/SALEM	A		CS- SA515 BS EN 10025 A36, AS UP TO GRADE 22	
		\$			NIPPON STEEL	JAPAN	A		CS- SA515 BS EN 10025 A36, AS UP TO GRADE 22	
		\$			POSCO	SOUTH KOREA	A		CS- SA515 BS EN 10025 A36, AS UP TO GRADE 22	
		\$			REINER BRACH GMBH & CO.	GERMANY	A		CS- SA 299 SA515 BS EN 10025 A36, AS UP TO GRADE 22	
		\$			LLYODS STEEL INDUS LTD	INDIA	A		ALLOY STEEL PLATES AS PER A-204 & A-387 UPTO THICKNESS OF 40MM FOR STRUCTURAL STEEL APPLICATION , IN NON-PRESSURE PARTS.	
14	PLATES & ROLLED SECTION (CS-IS 2062 STRUCTURAL STEEL GRADES)	\$			REFER TO SUB-VENDORS MENTIONED IN THE TECHNICAL SPECIFICATIONS SEC-VI, PART-B		A			
15	PLATES(SS)	\$			OUTOKUMPU	SWEDEN	A		SS PLATES UP TO 20 MM THK	
		\$			INDUSSTEEL	BELGIUM	A		GRADE-304,309,310,316	

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 02.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
		\$			JSL STAINLESS	JAIPUR	A		LINER SS 304	
		\$			INDUSSTEEL LOIRE	FRANCE	A		GRADE-304,309,310,316	
		\$			SAIL	BHILAI/SALEM	A		GRADE-304,309,310,317	
		\$			COLUMBUS STAINLESS STEEL	SOUTH AFRICA	A		GRADE-304,309,310,318	
16	SEPARATOR & STORAGE TANK	I			ALSTOM	USA	A			
		I			BHEL	TRICHY	A			
		I			GE INDIA	DURGAPUR	A			
		I			DOOSAN	SOUTH KOREA	A			
		I			L&T-MHPS BOILERS PVT LTD	HAZIRA	A			
17	HEADERS AND SUCTION MANIFOLDS	I			ALSTOM	USA	A			
		I			BHEL	TRICHY	A			
		I			GE INDIA	DURGAPUR	A			
		I			DOOSAN	CHENNAI	A			
		I			DOOSAN VINA	VIETNAM	A			
		I			L&T-MHPS BOILERS PVT LTD	HAZIRA	A			
18	SPIRAL WATER WALLS	I			BHEL	TRICHY	A			
		I			GE INDIA	DURGAPUR	A			
		I			ALSTOM	USA	A			
		I			DOOSAN	CHENNAI	A			
		I			DOOSAN VINA	VIETNAM	A			
		I			DOOSAN	SOUTH KOREA	A			
19	TUBULAR PRODUCTS(COILS & PANELS) EXCLUDING SPIRAL WALLS	I			GE INDIA	DURGAPUR	A			
		I			BHEL	TRICHY	A			
		I			ALSTOM	USA	A			
		I			DOOSAN	CHENNAI	A			
		I			DOOSAN VINA	VIETNAM	A			
		I			DOOSAN	SOUTH KOREA	A			
		I			L&T-MHPS BOILERS PVT LTD	HAZIRA	A			
		I			MHI	JAPAN	A			
20	CRITICAL PIPING /PCP(MS, CRH, HRH, FW) AND BOILER PIPING	I			BHEL	TRICHY, THIRUMAYAM	A			
		I			GE INDIA	DURGAPUR	A			
		I			DOOSAN	SOUTH KOREA	A			

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW) Package/ पैकेज: EPC PACKAGES Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब-वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 02.05.2023 SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
		I			BHR	GERMANY	A			
		I			DEE DEVELOPMENT	PALWAL	A			
		I			BENTEC	USA	A			
		I			L&T PIPING CENTRE	HAZIRA	A			
		I			SEONGHWA IND CO LTD	SOUTH KOREA	A			
21	MISC HP PIPING EXCLUDING CRITICAL PIPING(CS, AS UP TO GRADE 91)	I			BHEL	TRICHY	A			
		I			GE INDIA	DURGAPUR	A			
		I			DOOSAN	SOUTH KOREA	A			
		I			BHR	GERMANY	A			
		I			DEE DEVELOPMENT	PALWAL	A			
		I			BENTEC	USA	A			
		I			L&T PIPING CENTRE	HAZIRA	A			
		I			SEONGHWA IND CO LTD	SOUTH KOREA	A			
		I			PAL ENGG	YAMUNANAGAR	A			
22	MISC HP PIPING EXCLUDING CRITICAL PIPING(CS, AS UP TO GRADE 22)	I					A		ABOVE MENTIONED PIPING VENDORS ARE ALSO ACCEPTABLE	
		I			ISGEC	YAMUNANAGAR	A		UP TO GRADE 22	
		I			UNITECH MACHINES LTD	SAHARANPUR	A		ONLY FOR CS GRADE	
		I			BEND JOINTS PVT LTD	BHOPAL	A		ONLY FOR CS GRADE	
		I			SEAM INDUSTRIES PVT LTD	NAGPUR	A		ONLY FOR CS GRADE	
		I			S&G	PALWAL	A		CS & AS UP TO GRADE 22 (EXCEPT BOILER PIPING & CRITICAL PIPING)	
		I			FLASH FORGE	VISAKHAPATNAM	A		ONLY FOR CS GRADE	
23	MIXING SPHERES	I			GE INDIA	DURGAPUR	A			
		I			BHEL	TRICHY	A			
		I			ALSTOM	USA	A			
		I			DOOSAN	SOUTH KOREA	A			
24	COAL BURNER ASSY & SOFA/OFA PORT/AA PORT	I			ALSTOM	USA	A			
		I			BHEL	TRICHY	A			
		I			DOOSAN	SOUTH KOREA	A			

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES				AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची			REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 02.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
		I			L&T-MHPS PVT LTD	HAZIRA	A			
		I			DEE DEE ENGINEERING ENTERPRISES	TRICHY	A			
25	AIR COOLED OIL GUN ASSEMBLY	I			BHEL	TRICHY	A			
		I			SIGMA POWER	TRICHY	A			
		I			DOOSAN	SOUTH KOREA	A			
26	HFO/LFO PUMPS									
		I			ALEKTON	CHENNAI	A			
		I			UT PUMPS	FARIDABAD	A			
		I			ROTO PUMPS LTD.	GREATER NOIDA	A			
		I			ALLWEILER INDIA PVT.LTD.	GERMANY	A			
		I			BOURMANN	GERMANY	A			
		I			TUSHACO PUMPS PVT LTD/ALLWEILER INDIA PVT.LTD.	DAMAN	A			
		I			LEISTRITZ PUMPEN GmbH	GERMANY	A			
		I			KRAL	AUSTRIA	A			
27	SOOT BLOWERS(LRSB, WALL DESLAGGER, ROTARY BLOWER, TEMP PROBE)	I			BHEL	TRICHY	A			
		I			CLYDE BERGMANN	NOIDA	A		UNDER THE SUPERVISION OF M/S CLYDE BERGMANN, GERMANY	
		I			CLYDE BERGEMANN	GERMANY	A			
		I			DIAMOND POWER SPECIALITY LTD	SCOTLAND	A			
		I			DAIEYOUNG MACHINERY	KOREA	A			
28	ELECTRIC HOIST WITH TROLLEY, UNDERSLUNG CRANE	I					A		MAIN BOIS E.G. HOOK, MOTORS AND CRITICAL C&I ITEMS TO BE FROM NTPC APPROVED SOURCES	
		I			CONSOLIDATED HOISTS	SATARA	A		EOT CRANES UPTO 40 MT & HOISTS ABOVE 35 MT	
		I			REWA INDUSTRIES	FARIDABAD	A		EOT CRANES UPTO 25 MT	
		I			GRIP ENGINEERS	HYDERABAD	A		HOIST UPTO 40 MT	
		I			POWER BUILD PVT LTD,	V V NAGAR	A		HOIST UPTO 10 MT	
		I			UNIVERSAL HOIST	THANE	A		HOIST UPTO 20 MT	
		I			ARMSEL MHE PVT LTD	BANGALORE	A		UP TO 20 MT	

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES				AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 02.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
		I			ANUPAM INDUSTRIES	VITHAL, UDYOGNAGAR	A		EOT CRANES UPTO 50 MT	
		I			TRACTOR TRIFOR	FARIDABAD	A		HOIST UPTO 35 MT	
		I			CONSOLIDATED HOISTS	PUNE	A		HOISTS UPTO 20 MT	
		I			DYNAMECH CRANES	THANE , MUMBAI	A		UP TO 20 MT	
		I			HERCULES HOIST LTD.	MUMBAI	A		HOIST UPTO 30 MT	
		I			NAMSUNG MACHINERY	SOUTH KOREA	A		UP TO 25 MT	
		I			CENTURY CRANES	PALWAL	A		EOT CRANES UP TO 30 MT	
		I			MUKUND	PUNE	A			
		I			Mangla Hoist	India (Greater Noida)	A		UPTO 10 MT	
29	LP CONDENSATE PUMP	I			ITT GOULD	USA	A			
		I			FLOW SERVE	USA	A			
		I			SULZER	NAVI MUMBAI	A			
		I			CLYDE PUMPS	GHAZIABAD	A			
		I			PUMPSENSE FLUID ENGG. PVT. LTD	HOWRAH	A			
30	SCANNER AIR FAN	I			ANDREW YULE CO. LTD	NADIA	A			
		I			ACCEL	AHMEDABAD	A			
		I			PATEL AIRTEMP (I) LTD	GANDHINAGAR	A			
		I			BHEL	RANIPET	A			
		I			CB DOCTOR(IMM)	AHMEDABAD	A			
		I			AIROCHEM ENGINEERING COMPANY	KOLHAPUR	A			
		I			FLAKEWOOD INDIA	CHENNAI	A			
		I			TLT ENGG. PVT. LTD.,	MEHSANA	A			
31	SEAL AIR FAN	I			CB DOCTOR & CO.	AHMEDABAD	A			
		I			ACCEL	AHMEDABAD	A			
		I			TLT INDIA PVT. LTD.,	MEHSANA	A			
		I			PATEL AIRTEMP (I) LTD.,	GANDHINAGAR	A			
		I			BHEL	RANIPET	A			
		I			ANDREW YULE CO. LTD.,	KALYANI NADIA	A			
		I			FLAKTWOOD	SWEDEN	A			
		I			FLAKEWOOD INDIA	CHENNAI	A			
		I			DRAFT AIR/CHICAGO BLOWERS	AHMEDABAD	A			
		I			REITZ INDIA	CHENNAI	A			

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 02.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
		I			Howden Solyvent (India) Pvt. Ltd	Kanchipuram	A			
		I			NADI AIR TECH P LTD	CHENNAI	A			
32	FURNACE MAINTENANCE PLATFORM(SKY CLIMBER)	I			NY SKYMAN INT. SA	BELGIUM	A			
		I			NV SKCLIMBER EUROPE SA	BELGIUM	A			
		I			DAEO PRECISION IND CO LTD	SOUTH KOREA	A			
33	QUICK ERECT FURNACE SCAFFOLDING	II			BSL	UK	A			
		II			INSTANT UPRIGHT	IRELAND	A			
		II			EASTMAN IMPEX	LUDHIANA	A		CARBON STEEL SCAFFOLDING	
		II			BSL	HARIDWAR	A			
		II			ARUFASE	SPAIN	A			
34	METALLIC EXPANSION JOINT FOR DUCTS	I			FLEXATHERM EXPANLLOW PVT LTD	VADODARA	A			
		I			FLEXICAN BELLOWS & HOSES PVT LTD	VADODARA	A			
		I			KAY ENGINEERING WORKS	TRICHY	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)	
		I			RAVI STRUCTURALS	TRICHY	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)	
		I			MARUTI FABRICATORS	TANJORE	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)	
		I			K B TECHNOLOGIES	TRICHY	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)	
		I			AURORA SHAPERS	TRICHY	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)	

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 02.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
		I			FLEXICAN DURGA FAB(P) LTD	TRICHY	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)	
		I			SRI DURGA STRUCTURALS	TRICHY	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)	
		I			REGIONAL ENGINEERING ENTERPRISES	TRICHY	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)	
		I			SRI RANGA INDUSTRIES	TANJORE	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)	
		I			ANNAI VAILANKANNI ENGINEERING INDUSTRIES	TANJORE	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)	
		I			ANNAI VAILANKANNI FABRICATORS UNIT-II	TANJORE	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)	
		I			ANNAI VAILANKANNI FABRICATORS UNIT-II	TRICHY	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)	
		I			MECHWELL INDUSTRIES	NASHIK	A			
35	METALLIC EXPANSION JOINT FOR PIPES	I			METALLIC BELLOWS	CHENNAI	A		UP TO 2200 NB	
		I			LONESTAR	CHENNAI	A		UP TO 2200 NB	
		I			FLEXICON BELLOWS & HOSES	VADODARA	A		UP TO 2200 NB	
		I			FLEXATHERM EXPANLLOW PVT LTD	VADODARA	A		UPTO 2000 NB	
36	LIGHT BONDED MINERAL WOOL	II			PUNJSTAR INSULATION FIBRE COMPANY	BHILAI	A			
		II			SHREERAM EQUITECH	DURG	A			
		II			GOENKA ROCKWOOL (INDIA) LTD	RAIPUR	A			
		II			LLOYDS INSULATION	BHILAI	A			

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 02.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
		II			THERMOCARE ROCKWOOL PVT LTD	RAJNANDGAON	A			
		II			MINWOOL ROCK FIBRES LTD	RAJNANDGAON	A			
		II			LAPINUS ROCKWOOL LTD	GWALIOR	A			
		II			ROCKWOOL INDIA	MEDAK AP	A			
		II			DHANBAD ROCKWOOL INSULATION PVT LTD	DHANBAD	A			
		II			MINSULATE MFG CO. LTD	JAMSHEDPUR	A			
		II			POLYBOND PROJECTS PVT LTD	DURG	A			
		II			HI-TECH ROCK FIBRE LTD	RAJNANDGAON	A			
		II			ROCKWOOL INDUSTRIES	BHILAI	A			
		II			JAMSHEDPUR MINERAL WOOL	JAMSHEDPUR	A			
		II			ROXUL ROCKWOOL	DAHEJ	A			
37	CLH & VLH	I			BHEL	TRICHY	A			
		I			MID AMERICA	USA	A			
		I			MANNESMANN	GERMANY	A			
		I			ITT	GERMANY	A			
		I			PIPE SUPPORTS	UK / THAILAND	A			
		I			UNISON	SOUTH KOREA	A			
		I			PIPE HANGER SUPPORTS PVT LTD	TANJAVORE	A			
		I			GILLARDINI	ITALY	A			
		I			LISEGA	GERMANY	A			
		I			WOOKWANG	SOUTH KOREA	A			
		I			BERGEN PIPE SUPPORTS INDIA	CHITTOR	A		CLH UP TO C8-32 RANGE(MAXIMUM LOAD 39.70T). IN CASE OF CLH BEYOND THE RANGE OF C7-27(OF SUPPLIER CATALOGUE) THE SAME SHALL BE SOURCED FROM M/S PIPE SUPORTS, UK/THAILAND.	
		I			SANWA TAKI	JAPAN	A			
		I			MH	SPAIN	A			
		I			BROWICK	UK	A			
		I			CARPENTER PATTERSON	UK	A			

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 02.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
		I			CARPENTER PATTERSON INDIA PVT LTD	VELLORE	A		MAXIMUM LOAD: 23877 KG AND MAXIMUM DISPLACEMENT: 220 MM AND UNDER THE SUPERVISION OF M/S CARPENTER PATERSON, UK.	
		I			AAA SUPPORTS PVT LTD	VADODARA	A		MAXIMUM LOAD: 1.5MT AND MAXIMUM DISPLACEMENT: 250MM	
		I			CARPENTER & PATTERSON	RANIPET	A		SUBJECT TO CONDITIONS AND THE INVOLVEMENT OF THEIR PRINCIPALS	
38	CONVENTIONAL VALVES (GATE, GLOBE & CHECK)	I			VELAN INC.	CANADA	A		SINGLE STAGE DRAIN VALVES (FORGED), SIZE UPTO 50MM NB, CLASS UPTO 2680 FOR POWER CYCLE PIPING APPLICATION.	
		I			LEADER VALVES LTD.	JALANDHAR	A		CC NRV UP NB 800, 150# FOR STG PKG.	
		I			BHEL	TRICHY	A			
		I			CRESCENT VALVES	MUMBAI	A		UPTO NB 300 CL 600	
		I			VELAND VALVE CORP.	USA	A		GATE V/V 2-34" CL 900-4500 CAST STEEL GATE V/V 18-48" CH50-800	
		I			VELAN	UK	A		1) GLOBE V/V 1/4"-2" C14500 (2) BONNETLESS GLOBE V/V 1/2-2.5" CI 150-500)	
		I			L&T VALVES	COIMBATORE	A		UP TO CLASS 4500 & GRADE 91	
		I			TRILLIUM FLOW	HUBLI	A		UPTO NB 300 & CL-600, FORGED UPTO NB 50 CL 800	
		I			FOURESS ENGG. INDIA LTD.,	THANE	A		(1) 10"X600 # GATE/GLOBE/CHECK VALVES (2) 16"X300# GATE/GLOBE/CHECK VALVES (3) 24"X150# GATE/GLOBE/CHECK VALVE (4) 2"X800 # FS GATE/GLOBE/CHECK (LIST) AS PER BS5352 (B) GATE GLOBE/CHECK VALVES FOR 700# TO 1500#	
		I			NITTON VALVES INDIA PVT. LTD.,	AURANGABAD	A		(1) GATE VALVE: UPTO36" CLASS 600 WCB/WCC (2) GLUBE VALVE: UPTO 16" CLASS 300 WCB/WCC (3) CHECK VALVE : UPTO 12" CLASS 600 WCB/WCC & WC6	

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES				AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची			REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 02.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
		I			SAMSHIN LTD.,	SOUTH KOREA	A		(1) GATE - 450 NB 3900 SPL CL SA 217 C12A (GR 91) (2) GLOBE (CAST) - 200 NB 3900 SPL, CL FOR SA 217C12 (G 91) (3) GLOBE (FORGED GR 92) - 50 NB 4500 CL GR SA182 F 92 (4) CHECK (CAST) - 200 NB 3500 SPL CL FOR SA 217C12A (GR91) (5) CHECK (FORGED GR 92) - 50 NB 4500 CL GR SA 182 F 92 (5) ANGLE (FORGED80 NB)	
		I			TOA VALVE ENGGINERING INC.	JAPAN	A		CONVENTIONAL VALVES (1) GATE VALVES UPTO SIZE 16", CLASS 4500 UPTO C12A/F91 (2) GATE VALVES UPTO SIZE 26" CLASS 2500 UPTO C12A (3) CHECK VALVES UPTO SIZE 14" CLASS 2500 UPTO C12A (4) GLOBE VALVES UPTO SIZE 3" CLASS 4500 UPTO C12A (5) GLOBE VALVES UPTO SIZE 10" CLASS 1500 & 4" CLASS 2500 UPTO F91	
		I			FOURESS ENGG. INDIA LTD.	THANE	A		(1) 10"X600 # GATE/GLOBE/CHECK VALVES (2) 16"X300# GATE/GLOBE/CHECK VALVES (3) 24"X150# GATE/GLOBE/CHECK VALVE (4) 2"X800 # FS GATE/GLOBE/CHECK (LIST) AS PER BS5352 (B) GATE GLOBE/CHECK VALVES FOR 700# TO 1500#	
		I			BABCOCK VALVES	SPAIN	A		(1)CAST GATE VALVE (CS) VALVE CLASS UPTO 2500SPL & SIZE UPTO 10" (2)CAST GLOBE VALVE (CS) CLASS UPTO 2500SPL & SIZE UPTO 3 INCH (3) FORGED GLOBE VALVE (CS) CLASS UPTO 1500 & SIZE UPTO 1" (4) FORGED GLOBE VALVE (CS) CLASS UPTO TO 800 & SIZE UPTO 1.5"	

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 02.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
		I			FORBES MARSHALL PVT LTD	PUNE	A		CONVENTIONAL VALVES :CAST GATE VALVE (CS) CLASS UP TO 2500SPL & SIZE UP TO 10 INCH CAST GLOBE VALVE (CS) CLASS UP TO 2500SPL & SIZE UP TO 3 INCH	
		I			BABCOCK WILCOX ESPANOLA	SPAIN	A		CONVENTIONAL VALVES -CAST GATE VALVE (CS) CLASS UP TO 2500SPL & SIZE UP TO 10 INCH CAST GLOBE VALVE (CS) CLASS UP TO 2500SPL & SIZE UP TO 3 INCH	
		I			HP VALVES OLDENZAAL B V	NETHERLAND	A		CONVENTIONAL VALVES -CAST GATE VALVE (CS) CLASS UP TO 2500SPL & SIZE UP TO 10 INCH CAST GLOBE VALVE (CS) CLASS UP TO 2500SPL & SIZE UP TO 3 INCH	
		I			Aruna Industrial Products Pvt. Ltd.	MADURAI	A		REFER APPROVAL CONDITION	
39	SAFETY VALVES(SPRING TYPE)	I			DRESSER INDUSTRIES	USA	A			
		I			SAMPELL AG	GERMANY	A			
		I			TYCO (PENTAIR VALVES & CONTROLS	USA	A			
		I			FUKUI SEISAKUSHO CO LTD	JAPAN	A			
		I			RIENEKE GMBH	GERMANY	A		HYDRAULIC TYPE	
		I			BOPP & REUTHER	GERMANY	A		HYDRAULIC TYPE	
		I			MIEWA CORPORATION	JAPAN	A		(1) SAFETY VALVE SIZE 1/2" TO 6" & 150 TO 4500 CLASS	
		I			BHEL	TRICHY	A			
		I			PENTAIR SANMAR LTD	PUDUKOTTAI	A		AUX STEAM SYSTEM: UP TO 6" SIZE AND CLASS UP TO 600	
		I			FAINGER LESER VALVES P LTD	AURANGABAD	A		SIZE(INELT/OULET): 200/300 MM APPLICABLE TO MAX DESIGN TEMPERATURE:474 DEG C & PRESSURE:47 KG	
40	ELECTROMATIC RELIEF VALVE (ERV)	I			VALVES TECHNOLOGIES	USA	A		(A) 1.5"X3" CLASS 3100- F91 MATERIAL (B) 2.5"X4", CLASS 1500-F91 MATERIAL	
		I			FUKUI SEISAKUSHO CO LTD	JAPAN	A			

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 02.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
		I			SAMPELL AG	GERMANY	A			
		I			DRESSER INDUSTRIES	USA	A			
		I			MIEWA CORPORATION	JAPAN	A		SIZE UPTO 65MM & UPTO 4500 CLASS	
41	PLUG VALVE	I			FLOW SERVE INDIA CONTROLS	KANCHIPURAM	A		SIZE: 25 TO 300 MM, CLASS 150 & 300	
		I			3Z CORP.	SOUTH KOREA	A			
		I			HAWA VALVES	MUMBAI	A		UP TO 10” SIZE AND 300 CLASS	
42	BOILER STRUCTURE & FABRICATION ITEMS(MAIN & AUX COLUMNS, CEILING GIRDERS, BUILT-UP BEAMS, BRACINGS & BUCKSTAY), COAL BUNKER	I			M/S. BHEL	TIRUCHIRAPALLI	A		MAIN & AUX COLUMNS, CEILING GIRDERS, BUILT-UP BEAMS	
		I			CAPACITE	WADA, PALGHAR	A		(WELDED & BOLTED TYPE)BOILER PRIMARY STRUCTURES (CEILING GIRDER, MAIN COLUMNS, AUX. COLUMN, BOXES, BUCKSTAY, BRACING, MILL BAY STRUCTURE APH SUPPORT STRUCTURE ETC.)	
		I			SALEM AUTOMECH (INDIA) PVT. LTD.,	SALEM	A		BOILER STRUCTURES, I.E. CEILING GIRDER	
		I			DIAMOND ENGINEERING (CHENNAI) PVT LTD., CHENNAI	KANCHIPURAM	A		FABRICATION OF BOILER STRUCTURES -AWB UNIT-2 FABRICATION OF BOILER STRUCTURES-CEILINER GIRDER, AWB, COLMNS ETC. - BOILER STURCTURES- FABRICATION, TRIAL ASSEMBLY, BLASTING(AWB, COLUMNS, CEILING GIRDER ETC.)	
		I			SALEM AUTOMECH UNIT-I & UNIT-II	SALEM	A		CEILING GIRDERS	
		I			QUALITY ENGG.WORKS	TRICHY	A		CEILING GIRDERS	
		I			INDOFAB	TRICHY	A		CEILING GIRDERS	
		I			SANTHI ENGG. UNIT-II	PUDUKKUDI	A		CEILING GIRDERS	
		I			MASTERFAB UNIT-II	DEVARAYANERI	A		CEILING GIRDERS	

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 02.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
		I			ARCEOR MITTAL DHAMM PROCESSING PVT LTD	RANIPET	A		(WELDED & BOLTED TYPE)BOILER PRIMARY STRUCTURES (WITHOUT CEILING GIRDER) I.E.MAIN COLUMNS, AUX. COLUMN, BOXES, BUCKSTAY, BRACINGS, MILL BAY STRUCTURE, APH SUPPORT STRUCTURE ETC.)	
		I			JSW SEVERFIELD STRUCTURES LTD	BELLARY	A		(WELDED & BOLTED TYPE) BOILER PRIMARY STRUCTURES (WITH OUT CEILING GIRDER) I.E. MAIN COLUMNS, AUX. COLUMN, BOXES, BUCKSTAY, BRACINGS, MILL BAY STRUCTURE, APH SUPPORT STRUCTURE ETC.)	
		I			ATMASTCO (P) LTD	DURG	A		(WELDED & BOLTED TYPE) BOILER PRIMARY STRUCTURES (WITHOUT CEILING GIRDER) I.E.MAIN COLUMNS, AUX. COLUMN, BOXES, BUCKSTAY, BRACINGS, MILL BAY STRUCTURE, APH SUPPORT STRUCTURE ETC. DUCTS)	
		I			ANG INDUSTRIES	SITARGANJ	A		FABRICATION AND SUPPLY WELDED TYPE BOILER STRUCTURES I.E. MAIN COLUMNS (PLUS AND BOX), AUTO WELDED BEAMS AND BRACINGS.	
		I			INDIANA GRATINGS PVT LTD	PURANDAR	A		FACTORY FABRICATED CIVIL STRUCTURE POWER HOUSE (TG BUILDING) STRUCTURAL ITEM (MAX SINGLE PIECE SIZE UPTO 15MT) (WELDED & BOLTED TYPE)	
		I			ESSAR HEAVY ENGINEERING SERVICES, (A UNIT OF ESSAR PROJECTS INDIA LTD)	SURAT	A		FABRICATION AND SUPPLY OF BUCKSTAYS	
		I			SIMPLEX ENGINEERING & FOUNDRY WORKS PVT LTD	BHILAI	A		(WELDED & BOLTED TYPE) BOILER PRIMARY STRUCTURES (WITH OUT CEILING GIRDER) I.E. MAIN COLUMNS, AUX. COLUMN, BOXES, BUCKSTAY, BRACINGS, MILL BAY STRUCTURE, AP	

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 02.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
		I			SIMPLEX ENGG & FOUNDRY WORKS	UNIT 2, BHILAI	A		CEILING GIRDERS	
		I			SEAM INDUSTRIES LIMITED	NAGPUR	A		WELDED STRUCTURE UPTO 15T.FABRICATION AND SUPPLY OF BUNKERS & BUNKER STRUCTURES, BUCKSTAYS AND DUCTS.	
		I			SHIVAM HITECH STEELS PVT. LTD	BHILAI	A		HORIZONTAL BRACE/CIRCULAR HOLLOW SECTION ,BUCKSTAY,DUCTS	
		I			ENESTEE ENGINEERING LTD.,	NAGPUR	A		FABRICATION & SUPPLY OF BUNKERS & BUNKER STRUCTURES ,BUCKSTAY,DUCTS	
		I			SSV ENGINEERS PVT. LTD.,	PUNE	A		COAL SILOS, BUCKSTAY, DUCTS	
		I			ALLIANCE INTEGRATED METALIKS LTD.,	RAJPURA	A		BOILER PRIMARY STRUCTURES (EXCLUDING CEILING GIRDER)	
		I			TECHNOFAB MANUFACTURING LTD.	CHENNAI	A		FABRICATION AND SUPPLY OF BUNKER, BUNKER STRUCTURE, TP'S & CONVEYER GALLERIES,DUCTS	
		I			BABY ENGINEERING PVT. LTD.,	THUVAKUDI	A		BOILER PRIMARY STRUCTURES (EXCLUDING CEILING GIRDER) (WELDED & BOLTED TYPE)	
		I			COREFAB PROJECTS PVT LTD.,	BHILAI	A		FABRICATION & SUPPLY OF BOILER PRIMARY STRUCTURES - MAIN & AUX. COLUMNS, BUILT UP BEAM, BUCKSTAYS, BRACINGS, MILL BAY STRUCTURE AND APH SUPPORT STRUCTURE (EXCLUDING CEILING GIRDERS),DUCTS (WELDED & BOLTED TYPE)	
		I			MIURA INFRASTRUCTURE PVT. LTD	BHILAI-	A		BOILER PRIMARY STRUCTURE - MAIN & AUX. COLUMNS, BUILT UP BEAMS, BOXES, BUCKSTAY, BRACINGS, MILL BAY STRUCTURE, APH SUPPORT STRUCTURE (EXCLUDING CEILING GIRDERS) UPTO MAXIMUM SINGLE PIECE WEIGHT OF 30 MT (WELDED & BOLTED TYPE)	

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 02.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
		I			METALFAB HIGHTECH PVT LTD.	NAGPUR	A		FABRICATION AND SUPPLY OF BUCKSTAYS ,DUCTS,(WELDED & BOLTED TYPE), COAL BUNKER	
		I			WHEELS INDIA LTD.	WARDHA	A		MANUFACTURING OF WELDED TYPE STRUCTURES I.E. AUTOWELDED BEAMS BRACING AND COLUMNS (UPTO 15T) ,BUCKSTAY,DUCTS(WELDED & BOLTED TYPE)	
		I			NOVOTECH PROJECTS (I) PVT LTD	KOLKATA	A		BUNKER STRUCTURE, TPS & TRESTLES	
		I			JINDAL STEEL & POWER LTD. (JSPL)	RAIGARH	A		PRIMARY STRUCTURE & CEILING GIRDER (WELDED & BOLTED TYPE)	
		I			AJANTHA FABRICATOR WORKSUNIT-II	PUDUKKOTTAI	A		BOILER PRIMARY STRUCTURES- COLUMNS, BEAMS, BRACINGS AND CEILING GIRDERS (WELDED & BOLTED TYPE)	
		I			FEEDERS LIOYDS	SIKANDRABAD	A		PRIMARY STRUCTURE - MAIN COLUMNS, AUX COLUMNS, BUILT UP BEAMS, BOXES, BUCKSTAY (WELDED & BOLTED TYPE)	
		I			L&T HEAVY FORGING & SPECIAL STEEL	HAZIRA	A		CEILING GIRDER	
		I			VASAN INDUSTRIES	PUDUKKOTTAI	A		BOILER PRIMARY STRUCTURES(WELDED AND BOLTED TYPE)	
		I			REGIONAL ENGINEERING WORKS	THUVVAKKUDY	A		BOILER PRIMARY STRUCTURE(WELDED AND BOLTED TYPE)	
		I			VRINDA ENGINEERS	PANAGARH, WB	A		COAL BUNKERS	
		I			GREAT INDIA FABRICATORS	YAMUNANAGAR	A		BOILER PRIMARY STRUCTURES EXCLUDING CEILING GIRDER(WELDED AND BOLTED TYPE), LIMITATIONS AS PER APPROVAL CONDITIONS	
		I			Goodluck Steel Tubes	Sikenderabad	A		Buckstay	
		I			GEW	Sikenderabad	A		Buckstay	
		I			JSPL	Angul	A		Boiler Primary Structure (Excluding Ceiling Girder)	
		I			L&T Limited ECC Workshop	Kanchheepuram	A		Boiler Primary Structure (Excluding Ceiling Girder)	

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 02.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
		I			JSPL	Raipur	A		Primary Structure -Ceiling Girder -Sub to approval condition	
		I			Steel Infra Solutions Private Limited(SISCOL)	Bhilai	A		Boiler Primary Structure (Excluding Ceiling Girder) and column directly supporting ceiling girders-Sub to approval condition	
43	ELECTRO FORGED GRATINGS	II			INDIANA GRATINGS PVT. LTD	PUNE	A			
		II			KARDEANAND UDYOG	PUNE	A			
		II			PREMIER POWER PRODUCTS LTD	HOWRAH	A			
		II			BHOLA RAM STEEL PVT. LTD	PATNA	A			
		II			PINAX STEEL INDUSTRIES PVT LTD	PATNA	A			
		II			GREATWELD STEEL GRATING PVT. LTD	PUNE	A			
		II			VIN FAB ENGG. PVT LTD.,	MUMBAI	A			
		II			Ratan Project & Engineering	Howrah	A			
44	TANKS & VESSELS(IBD, CBD, FLASH TANK ETC)	I			KPHE	SOUTH KOREA	A			
		I			SV TANKS & VESSELS	MUMBAI	A			
		I			PROGEN SYS TECH LTD	CHENNAI	A		UP TO 4 KSC PR	
		I			FAB TECH	PUNE	A			
		I			UNITECH MACHINES LTD	SAHARANPUR	A		UP TO 10 KSC PR	
		I			SEAM IND P LTD	NAGPUR	A		UP TO 10 KSC PR	
		I			SHAKTI HI TECH CONST PVT LTD	CHENNAI	A		UP TO 10 KSC PR	
		I			SOUTHERN HEAVY ENGG & FAB PVT LTD	CHENNAI	A		UP TO 10 KSC PR	
		I			ALTECH INFRASTRUCTURE(I) PVT LTD	ALWAR	A		UP TO 16 KSC PR	
		I			SEAM INDUSTRIES PVT LTD	NAGPUR	A		UP TO 16 KSC PR	
45	SOOT BLOWER PRESSURE REDUCING VALVES & BLOCK	I			REFER QA C&I LIST		A			
46	FITTINGS(GRADE 91/92)	I			PETROL RACCORD SPA	ITALY	A		FORMED AND FORGED FITTINGS 91/92 GRADE	

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 02.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
		I			BOKOYOUNG METAL CO.	SOUTH KOREA	A		FORGED FITTINGS AS PER SA-182 F92 GRADE (REDUCERS, NOZZLE, HALF COUPLING ETC.)	
		I			TF TECH CO. LTD	SOUTH KOREA	A		FORGED FITTINGS AS PER SA-182 F92 GRADE (REDUCERS, NOZZLE, HALF COUPLING ETC.)	
		I			FLASH FORGE	VIZAG	A		P91 FORMED/FORGED UPTO DIA 273MM & THICK 30MM	
		I			BGH EDELSTAHL SIEGEN GMBH	GERMANY	A		MANUFACTURE AND SUPPLY OF FORGED FITTINGS OF CS, AS AND SS GRADES	
		I			ERNE FITTINGS GMBH	AUSTRIA	A		P-91 FORMED	
		I			GAM RACCORDI SPA	ITALY	A		P-91 FORMED	
		I			TECHNO FORGE SPA	ITALY	A		P-91 FORMED	
		I			MEGA SPA	ITALY	A		92 GRADE FITTINGS (FORGED)	
		I			BASSI LLUIGI SPA	ITALY	A		P-91 FORGED/WELDED	
		I			IBF SPA	ITALY	A		FORMED AND FORGED FITTINGS/P92 GRADE	
		I			ALLIED INT. (TACTUBI RACCORDI SPA, VIA ROMA 150, 29027 PODENZANO)	ITALY	A		P-91 FORMED	
		I			BRUCK STRASSE 16 ENSHEIM	GERMANY	A		P-91 FORGED/WELDED	
		I			SUNGKWANG BEND CO. LTD.,	SOUTH KOREA	A		FITTINGS OF P91 AND OF MTERIAL OTHER THAN P91 OF BOILER	
		I			TK CORPN. FORGITAL	S KOREA	A		FORMED FITTINGS (ELBOW, TEES, REDUCERS ETC.) OF 92 GRADE.	
		I			FORGITAL	ITALY	A		MANUFACTURING AND SUPPLY OF GRADE 91 FORTGINGS (HOLLOW FORGINGS/MATCHING PIECES WITH 508MM DIA X 75MM THICKNESS STUBS WITH OD 245MM.	
		I			DEE DEVELOPMENT	PALWAL	A		GRADE 91 WITH SIZE/TYPE LIMITATIONS	
		I			CHW FORGE	GHAZIABAD	A		GRADE 92 WITH SIZE/TYPE LIMITATIONS	
		I			FORGIATURA MORANDINI SRL	ITALY	A		GRADE 92 FORGED FITTINGS(REDUCERS, TEES & Y-PIECES)	

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES				AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 02.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
		I			BHARAT FORGE, PUNE	PUNE	A		GRADE 92 FORGED FITTINGS(REDCERS, TEES & Y-PIECES)	
		I			BOKYOUNG METAL CO.LTD	SOUTH KOREA	A		GRADE 92 FORGED FITTINGS(REDCERS, NOZZLE, HALF COUPLING)	
		I			VIAR SPA	ITALY	A		SEAMLESS FORGED Y-PIECE UP TO GRADE 91	
		I			DEE DEVELOPMENT	PALWAL	A		GRADE 92 WITH SIZE/TYPE LIMITATIONS	
		I			Goodluck Engineering Co.	Dadri	A		Forged Fittings (91/92 grade)	
47	AUX PRDS SYSTEM (INCLUDING CONTROL VALVE)	I			REFER C&I LIST					
48	CHEMICAL DOSING SYSTEM (SKID ASSY) FOR SG SCOPE INCLUDING AUX BOILER	I			POWER PIPING	TRICHY	A			
		I			V K PUMPS	MUMBAI	A			
		I			MILTON ROY	CHENNAI	A			
		I			TECHNO CONSULTANTS	MUMBAI	A			
		I			POSITIVE METERING SYSTEM	NASIK	A			
		I			PSI ENGG SYSTEM	CHENNAI	A			
		I			Prorites Equipments Pvt. Ltd.	Pune	A		LP Chemical Dosing System (NaOH/Ammonia/Hydrazine)	
49	SG CW BOOSTER PUMP/ ECW PUMP	I			KBL	WADI	A			
		I			WPIL LTD	GHAZIABAD	A			
		I			SAM TURBO	COIMBATORE	A			
		I			KSB	PUNE	A			
		I			BEST & CROMPTON ENGG LTD	CHENNAI	A			
		I			JYOTI LTD	BARODA	A			
		I			FLOWMORE	GHAZIABAD	A			
50	COAL BUNKER	I					A		REFER BOILER STRUCTURE LIST	
51	LUBE OIL SYSTEM FOR MILLS	I			LINCOLN HELIOS	BANGALORE	A			
		I			T A HYDRAULICS	HYDERABAD	A			
		I			CENLUB INDUSTRIES	FARIDABAD	A			
		I			BHEL	HYDERABAD	A			

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW) Package/ पैकेज: EPC PACKAGES Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 02.05.2023 SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
		I			BIJUR DELIMON INDIA PVT LTD	PUNE	A			
		I			UNIQUE ENGINEERING ENTERPRISE P LTD	HYDERABAD	A			
		I			SOUTHERN LUB	BANGALORE	A			
52	CERAMIC LINED BEND COAL PIPES	II			BHEL EDN	BANGALORE	A			
		II			BMW	HATHRAS/ROURKEE	A			
		II			CARBORANDUM UNIVERSAL	HOSUR	A			
		II			BHEL IP	JAGDISHPUR	A			
53	KNIFE EDGE GATE VALVES AT MILL OUTLET AND BURNER INLET	II			GALAXY CONTROLS PVT LTD	CHENNAI	A		UP TO SIZE 26'	
		II			ORBINOX INDIA PVT LTD	COIMBATORE	A		UP TO SIZE 30"	
		II			BRAY CONTROLS	CHENNAI	A		UP TO SIZE 28"	
		II			JASH ENGG LTD	INDORE	A		UP TO SIZE 30"	
54	VIS FOR FANS	I			GERB	BANGALORE	A			
55	LOS FOR FD, PA & ID FANS	I			PSI ENGG	CHENNAI	A			
		I			CENLUB	FARIDABAD	A			
		I			LINCOLN HELIOS	BANGALORE	A			
		I			BHEL	RANIPET	A			
		I			SOUTHERN LUBRICATION	BANGALORE	A			
		I			TA HYDRAULICS	HYDERABAD	A			
56	GATES AND DAMPERS	I			BACHMANN	FARIDABAD	A			
		I			FOURESS INDIA	BANGALORE	A			
		I			INDIRA DAMPERS	RANIPET	A			
		I			KAMAL ENGG	YAMUNANAGAR	A			
		I			BACHMANN	CHENNAI	A		GUILLOTINE GATE(2700 MM HEIGHT)	
		I			DAMPER TECHNOLOGY INDIA PVT LTD	COIMBATORE	A			
		I			Flexatherm Expanllow Pvt.Ltd	Block No-400/B, Karjan, Vadodara	A		Gates & Dampers(Flow Area/Cross-sectional area upto 5600mm X 5600mm)	
57	PA Fans	I			Bharat Heavy Electrical Limited	Ranipet	A			
		I			L&T- Howden Private limited	Hazia	A			

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW) Package/ पैकेज: EPC PACKAGES Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब-वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 02.05.2023 SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
		I			TLT-Turbo GmBH	Germany	A			
		I			Howden	Denmark	A			
58	ID Fans	I			Bharat Heavy Electrical Limited	Ranipet	A			
		I			TLT Turbo GmBH	Germany	A			
		I			L&T Howden Private Limited	Hazira	A			
		I			Howden	Denmark	A			
59	FD Fan	I			Bharat Heavy Electrical Limited	Ranipet	A			
		I			L&T Howden Private Limited	Hazira	A			
		I			TLT-Turbo GmBH	Germany	A			
		I			Howden	Denmark	A			
60	Coal Pulverisers	I			BHEL	Hyderabad	A			
		I			L&T MHPS Boilers Pvt. Ltd.(LMB) (Incl. Manufacturing Facility of L&T)	Hazira	A			
		I			Loesche Energy system India pvt Ltd.	Chennai	A			
		I			Doosan Heavy Industries & Construction Co. Ltd	South Korea	A			
61	Raw Coal Feeders	I			Bharat Heavy Electricals Limited	Trichy	A			
		I			Schenck Process (Stock Redler India Private Limited, India)	Bengaluru	A			
		I			Merrick Industries Pvt. Ltd., India	Bengaluru	A			
		I			Yamato Scale	Japan	A			
		I			FLSmith	Haryana	A			
62	Boiler Start Up Drain Re-Circulation Pump	I			Torishima Pump Mfg Co. Ltd.,	Japan	A			
		I			Hayward Tyler Limited	UK	A			
		I			KSB AG	Germany	A			
63	Air Pre-Heaters	I			Bharat Heavy Electricals Limited	Ranipet	A			
		I			L&T Howden Private Limited	Hazira	A			
		I			Arvos India Pvt.LTd.	Chennai	A			
64	Auxiliary Boiler	I			ISGEC John Thompson (IJT)	Yamuna Nagar	A			
		I			Thermax Babcock & Wilcox Ltd.	Pune	A			

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:		
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00		
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 02.05.2023		
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)		
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)	
		I			Bharat Heavy Electricals Limited & BHEL (HVPB)	Trichy, Vizag	A				
65	ESP	I			Bharat Heavy Electricals Limited	Ranipet	A				
		I			Larsen & Toubro Limited	India	A				
		I			GE Power India	India	A				
	Main Contractor approved sources										
1	ALUMUNIUM CLADDING	III			Main Contractor approved sources						
2	NON IBR PIPING / LP PIPING - PRESSURE UP TO 10 KSC	III			Main Contractor approved sources						
3	CASTABLE REFRACTORY	III			Main Contractor approved sources						
4	POURABLE INSULATION	III			Main Contractor approved sources						
5	STEEL STRUCTURE FOR DUCTS, FURNACE ENCLOSURE, GUIDE, STAIRS & LADDERS, HANDRAILS, PLATFORMS	III			Main Contractor approved sources						
6	SILENCERS	III			Main Contractor approved sources						
7	COAL PIPES & BENDS (WITHOUT CERAMIC LINERS)	III			Main Contractor approved sources						
8	FITTINGS(CS, SS & AS UP TO GRADE 22)	III			Main Contractor approved sources						
9	ELECTRIC HOIST WITH TROLLEY, UNDERSLUNG CRANE < 05 TON CAPACITY	III			Main Contractor approved sources						
10	DUCTS	III			Main Contractor approved sources						
11	AIR RECEIVER TANK	III			Main Contractor approved sources						
12	COUPLING FOR FANS	III			Main Contractor approved sources						
13	SCAPH	III			Main Contractor approved sources						
14	OXYGEN DOSING SYSTEM	III			Main Contractor approved sources						
15	CE & DE SUSPENSION ASSEMBLY WITH RAPPING(MECHANICAL) MECHANISM	III			Main Contractor approved sources						
16	PERFORATED GD PLATE/SCREEN	III			Main Contractor approved sources						
17	ESP SUPPORT STRUCTURE (COLUMNS & ROOF BEAMS MANUFACTURED FROM ROLLED SECTIONS), CASING	III			Main Contractor approved sources						
18	ESP- MECH SAFETY INTERLOCK	III			Main Contractor approved sources						
19	Spray header for FGD	III			Main Contractor approved sources						
20	Mist eliminators for FGD	III			Main Contractor approved sources						

		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 02.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)
21	STEEL STRUCTURE FOR DUCTS, FURNACE ENCLOSURE, GUIDE, STAIRS & LADDERS, HANDRAILS, PLATFORMS	III			Main Contractor approved sources					
22	HANGER & SUPPORTS(OTHER THAN CLH & VLH) RIGID HANGERS	III			Main Contractor approved sources					
23	SNUBBERS	III			Main Contractor approved sources					
24	Oil Preheater & Pressuring Skid	III			Main Contractor approved sources					
NOTE -1 : For final Sub-QR approval , document required to be submitted as per Sub-QR requirements given in the specification.										
NOTE-2: Vendors under 'A' are approved and accepted by NTPC with/without conditions in the past. Similar conditions as the case may be for the vendor shall be applicable for this project and tied up in the quality plan.										
NOTE-3: Predespatch inspection for Alloy/SS Grades needs to be tied up by Main contractor or Third-party inspection agency as required.										
NOTE-4 : (\$) Review of Mill TC for Raw Material to be done by NTPC and shall be included in the QP of corresponding equipment.										
NOTE-5: Raw Material for 91 and above Grade Material Fittings to be from NTPC approved sources as per Raw Material vendor List.										
NOTE-6:For Motorized/Pneumatic actuated valves the suppliers for actuators shall be from NTPC approved list, Refer NTPC C&I list.										
LEGENDS/ संकेतिका										
SYSTEM SUPPLIER/SUB-SUPPLIER APPROVAL STATUS CATEGORY /प्रणाली आपूर्तिकर्ता / सब -वेंडर की स्वीकृति की स्थिति की श्रेणी (SHALL BE FILLED BY NTPC एनटीपीसी द्वारा भरा जाएगा)										
A – For these items proposed vendor is acceptable to NTPC. To be indicated with letter “A” in the list along with the condition of approval, if any./ इन मदों के लिए प्रस्तावित वेंडर एनटीपीसी को स्वीकार्य है। अनुमोदन की शर्त , यदि कोई हो, के साथ-साथ पत्र "क" में इंगित किया जाए ।										
DR – For these items “Detailed required” for NTPC review. To be identified with letter “DR” in the list. एनटीपीसी द्वारा इन मदों की समीक्षा के लिए "विस्तृत ब्योरे की आवश्यकता" होगी। सूची में "DR" पत्र में इंगित किया जाना चाहिए।										
QP/INSPN CATEGORY: क्यूपी / निरीक्षण की श्रेणी:										
CAT-I / श्रेणी- I: For these items the Quality Plans are approved by NTPC and the final acceptance will be on physical inspection witness by NTPC. इन मदों के लिए गुणवत्ता योजनाओं को एनटीपीसी द्वारा अनुमोदित किया जाता है और एनटीपीसी द्वारा अंतिम स्वीकृति भौतिक निरीक्षण के दौरान उपलब्ध गवाह के आधार पर दी जाएगी।										
CAT-II / श्रेणी- II: For these items the Quality Plans approved by NTPC. However no physical inspection shall be done by NTPC. The final acceptance by NTPC shall be on the basis review of documents as per approved QP. इन मदों के लिए गुणवत्ता योजनाओं को एनटीपीसी द्वारा अनुमोदित किया जाता है। हालाँकि एनटीपीसी द्वारा कोई भौतिक निरीक्षण नहीं किया जाएगा। एनटीपीसी द्वारा अंतिम स्वीकृति अनुमोदित क्यूपी के अनुसार दस्तावेजों की समीक्षा के आधार पर दी जाएगी।										
CAT-III/ श्रेणी-III : For these items Quality control to be exercised as per Main contractor Quality Assurance System. The final acceptance by NTPC shall be on the basis of Certificate of Conformance (COC) by Main Contractor.										
UNITS/WORKS इकाईयाँ / कार्य: Place of manufacturing/ निर्माण का स्थान Place of Main Supplier of multi units/works/बहु- इकाईयाँ / कार्यों के मुख्य सप्लायर का स्थान.										

 एक महारत्न कम्पनी		PROJECT : SIPAT-III (1X800MW) PACKAGE : EPC PACKAGES CONTRACTOR: CONTRACT NO :					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00 DATE :02.05.2023 SUB SECTION: QA-TG(MECH)		
Sr No	Item Description	QP Inspection Category	QP No	QP submis sion SCH	QP approv al SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note- 1)
1	HP/IP Outer Casing Casting (1.25Cr & 2.25Cr)	I				Voestalpine	Austria	A					
						JCFC	Japan	A					
						JSW	Japan	A					
						GE	Poland	A					
						Kobe Steel	Japan	A					
						Starwire	Faridabad	A					
						Sande Stahlguss GmbH	Germany	A					
						ISGEC	Muzaffarnagar	A			Weight upto 38 T, 1.25 Cr Grade		
2	HP/IP Inner Casing Casting including Turbine admission valves (9 Cr)	I				LMB Heavy Casting Unit	Hazira	A					
						BHEL-CFFP	Haridwar	A					
						Voestalpine	Austria	A					
						JCFC	Japan	A					
						JSW	Japan	A					
						GE	Poland	A					
						Kobe Steel	Japan	A					
						Starwire	Ballabgarh	A			Weight Upto 22T		
3	HP/IP Inner & Outer Casing including Turbine admission valves Machining	I				Sande Stahlguss GmbH	Germany	A					
						Gruppo Cividale	Italy	A			Weight Upto 20T		
						LMB Heavy Casting Unit	Hazira	A					
						BHEL-CFFP	Haridwar	A					
						Sande Groditz	Germany	A			Weight Upto 20T		
						LMTG	Hazira	A					
						MHPS	Japan	A					
						FUZI ELECTRIC	Japan	A					
						ROSSEL DUSO	Venice	A					
						Toshiba works	Japan	A					
						TJPS	Chennai	A					
						GE	Sanand	A					
						BRUNO PRESEZZI	Italy	A					
						NUGO ROMANO	Italy	A					
4	HP/IP/LP Turbine shaft Forging	I				BHEL (HEEP)	Haridwar	A					
						Siemens	Germany	A					
						GMW	Germany	A					
						Sharp	Pune	A			HP/IP Inner Casing Previous Name:MCE		
						BILFINGER MAS.GMBH	Austria	A					
						JCFC (Japan Casting & Forging Corp.)	Japan	A					
						SAARSCHMIEDE	Germany	A					
						JSW	Japan	A					
						Pacific Steel Mfg Co Ltd	Japan	A					
						Schmiedewerke Gröditz	Germany	A					
						Buderus Edelstahl	Germany	A					
						Cruesot Forge	France	A					
						Kobe Steel	Japan	A					
						SDF	Italy	A					
						Siemens	Germany	A					
						Franco Tosi	Italy	A			HP/IP		
						BHEL (HEEP)	Haridwar	A					
						ROSSEL DUSO	Italy	A					

 एक महारत्न कम्पनी		PROJECT : SIPAT-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00		
		PACKAGE : EPC PACKAGES									DATE :02.05.2023		
		CONTRACTOR:									SUB SECTION: QA-TG(MECH)		
		CONTRACT NO :											
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note-1)
5	Turbine shaft machining	I				BRUNO PRESEZZI	Italy	A			HP/IP		
						NUGO ROMANO	Italy	A					
						MCE MAP (Voist Alpine)	Austria	A			HP		
						GE	Poland/ Switzerland/ France/ Sanand	A					
						Toshiba	Japan	A					
						TJPS	Chennai	A					
						MHPS	Japan	A					
						LMTG	Hazira	A					
6	HP/IP/LP Stationary & Moving Blades Bar stock	I				FUZI ELECTRIC	Japan	A					
						Böhler	Austria	A					
						Bohler Schmiedetechnik	Germany	A					
						WELZEWERKE REVENE	Germany	A					
						DIODO	Japan	A					
						Hitachi	Japan	A					
						Starwire	Ballabhgarh	A					
						Gloria Material Technology Corp	Taiwan						
							A						
						Acciaierie Valbruna S.p.a.	Italy	A					
						BGH Edelstahl GmbH	Germany	A					
						Carpenter Technology Co.	USA	A					
						Daido	Japan	A					
						Sz-metal Ravne D.o.o.	Slovenia	A					
7	HP/IP/LP Stationary & Moving Blades Machining(From Bar)	I				Einsal	Germany	A					
						Walzwerke Einsal	Switzerland	A					
						Nichia Tanko Co Ltd	Japan	A			LP Blades		
						SET	Hungary	A					
						MHPS	Japan	A					
						Leistritz-Numberg	Germany	A					
						Energietechnik Einsal	Germany	A					
						Prawest	Germany	A			FOR LP STATIONARY BLADES		
						ZEMA	Italy	A			FOR LP STATIONARY BLADES		
						LMTG	Hazira	A					
						GE	Switzerland/ Germany/ Sanand	A					
						Enem Excel	Hyderabad	A					
						TJPS	Chennai	A					
						Toshiba	Japan	A					
8	LP Forged Blades(Drop)-Material	II				BHEL (HEEP)	Haridwar	A					
						Siemens	Germany	A					
						QTPL	Bangalore	A			For Guide Blades		
						AZAD ENGG	Hyderabad	A					
						MHPS	Japan	A					
						GE	Switzerland	A					
						Leistritz Turbinenkomponenten	Germany	A					
						SMB SA	Switzerland	A			For L1 stage(Last but one) blades		
						C-BLADE SPA	Italy	A					

 एक महारत्न कम्पनी		PROJECT : SIPAT-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00		
		PACKAGE : EPC PACKAGES									DATE :02.05.2023		
		CONTRACTOR:									SUB SECTION: QA-TG(MECH)		
		CONTRACT NO :											
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note-1)
						BOHLER	Austria	A					
						PIETRO ROSA	Italy	A					
9	LP Forged Blades(Drop) Machining	I				MHPS	Japan	A					
						C Blade	Italy	A					
						Sumitomo (Manfg. by Sumiju Precision Forgings)	Japan	A					
						PIETRO ROSA	Italy	A					
						Leistritz Turbinenkomponenten	Germany	A					
						Bohler	Austria	A					
						Toshiba	Japan	A					
						ALSTOM	Switzerland	A					
						AZAD ENGG	Hyderabad	A					
10	LP Cast Blades(material) & Machining	I				Zollem	Germany	A					
						Consolidated Precision Product	Belgium	A			Previous Name:ESCO		
						Formetal (cismocisco)	Italy	A			For casting		
						Juergens	Germany	A			For casting		
						GE Power Systems	Germany	A					
						IPCL	Bhavnagar	A					
						EXCEL HITECH	Ghaziabad	A			For casting		
						AK ALLOYS	Ahmedabad	A					
						PTC	Lucknow/ Mehsana	A					
11	LP Hollow Blades	I				AMBE ENGG-	Ghaziabad	A			For Machining only		
						Binder	Switzerland	A					
						Prime Hi-Tech Engineering Limited	Naidupet, AP	A					
12	LP Inner/Outer casing Fabrication	I				LMTG	Hazira	A					
						BHEL (HEEP)	Haridwar	A					
						SHARP	Pune	A					
						Shape Engg.	Haridwar	A					
						GE	Croatia/ Shahabad	A					
						D&N	Germany	A					
						KCP	Chennai	A					
13	LP Inner casing Casting (GGG40)	I				ISGEC(Weight upto 38T)	Yamunanagar	A					
						GE Power sp. Z.o.o	Poland	A					
						L&T	Kansbahal	A					
						FWH Freidrich Wilhems-Hute GmBH	Germany	A					
						Heidenheimer Giessen GmBH	Germany	A					
14	LP Inner/Outer casing Machining	I				Pilsen Steel	Czech	A					
						Buderus Spezialguss GmBH	Germany	A					
						LMTG	Hazira	A					
						BHEL (HEEP)	Haridwar	A					
						TJPS	Chennai	A					
						MHPS	Japan	A					
						SHARP	Pune	A					
						LONE STAR	Chennai/ Cheyyar	A					

 एक महारत्न कम्पनी		PROJECT : SIPAT-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00		
		PACKAGE : EPC PACKAGES									DATE :02.05.2023		
		CONTRACTOR:									SUB SECTION: QA-TG(MECH)		
		CONTRACT NO :											
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note-1)
15	LP Crossover Pipe	I				Hatec	Germany	A					
						Rohr-und Anlagenbau (ROBA)	Germany	A					
						Seonghwa	S Korea	A					
						Dee Development	Ballabgarh	A					
						HKR	S Korea	A					
						Babylon	Germany	A					
						Eichhoff	Germany	A					
16	Electro-Hydraulic Actuators	I				LMTG	Hazira	A					
						Mech engineers	Valsad	A					
						MHPS	Japan	A					
						GE	Germany	A					
						Horst Thiele	Germany	A					
						Bosch Rexroth	Germany	A					
						MOOG	Japan	A					
17	Hydraulic Power Pack Unit	I				Bosch Rexroth	Germany	A					
						Bosch Rexroth	Ahmedabad	A					
						Hydac	Germany	A					
						Hydac	Coimbatore	A					
18	Actuator & Valve For CRH-NRV & QC-NRV	I				Weir	USA	A					
						Cesare Bonetti	Italy	A					
						BABCOCK	Spain	A					
						ADAMS	Germany	A					
						BHEL	Trichy	A			Upto 850NB & Class upto 900 special		
						SEMPELL	Germany	A					
19	HP/IP/LP Shaft Seals	II				TPT	S Korea	A					
						Starwire	Ballabgarh	A			For INGOTS		
						Kolhapur Steel	Kolhapur	A					
						Silbitz Guss	Germany	A					
						StahlgussSaar	Germany	A					
						GE	Sanand	A					
						PMT	Pune	A					
						Wellbore	Ahmedabad	A					
						Bharat Forge	Pune	A					
						Indo air	Ahmedabad	A					
20	TG Bearings	I				Toshiba	Japan	A					
						GE	Germany	A			For Thrust Bearing		
						Kingburry	USA	A					
						Omega	Bhopal	A					
						Eurobearing	Italy	A					
						John Crane Bearing	Germany	A					
						BHEL (HEEP)	Haridwar	A					
						Wuakesha Bearing	UK	A					
						Euro Bearings	Faridabad	A					
21	MOP/EOP	I				Kingsburry	USA	A					
						Allweiler	Germany	A					
						ABB	Switzerland	A					
						Bosch Rexroth	Germany/ Switzerland	A					
						Toshiba	Japan	A					

 एन टी पी सी		PROJECT : SIPAT-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00		
		PACKAGE : EPC PACKAGES									DATE :02.05.2023		
		CONTRACTOR:									SUB SECTION: QA-TG(MECH)		
		CONTRACT NO :											
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note-1)
						Ebara Yoshikura Hydrotec Ltd.	Japan	A					
22	Jacking Oil Pump	I				Bosch Rexroth	Germany /Switzerland	A					
						Allweiler	Germany	A					
						Leistritz	Germany	A					
						MITTEN MANUFACTURING, INC	USA	A					
						PARKER HANIFIN	Japan	A					
						Allweiler	Daman	A					
23	Oil Purification Unit	I				Facet	Spain	A			Coalescer Type		
						Pall Corporation	USA	A			For control fluids		
						Alfa Laval	Pune	A			Centrifuge Type		
						Hilliard	USA	A			Coalescer Type		
						Kaydon Filtration	USA	A			Coalescer Type		
						Westfalia Separator India Pvt.Ltd.	Germany/ Bangalore	A					
						Rotring	Germany	A					
						Rockfin Group	Poland	A					
24	Duplex Oil Filter With Oil Changeover Valve	I				Hydac	Germany	A					
						Boll & Kirch	Germany	A					
25	Turbine Integral Piping	I				Rockfin	Poland	A					
						BHEL Piping Center	Chennai	A					
						Unitech	Saharanpur	A					
						Bend Joints	Bhopal	A					
						Pal Engineering	Yamunanagar	A					
						Seonghwa	S Korea	A					
						L&T Piping Center	Hazira	A					
						Dee Development	Ballabgarh	A					
26	Oil Module including Central Lubrication System	I				Dee Development	Ballabgarh	A					
						Kelag	Switzerland	A					
						VDL Delmas	Germany	A					
						Hydac India Pvt. Ltd.	Coimbatore	A					
						AEL	Germany	A					
						Flenco	Italy	A					
						Hydac	Germany	A					
						King Dynamics	Switzerland	A					
27	Thermal Insulation	II				Southern Lubrication	Bangalore	A					
						ENPRO	Pune	A					
						Eugen Arnold GmbH	Germany	A					
						Heinrich Tapp GmbH	Germany	A					
						Lloyds Insulation	India	A					
						Minwool Rock Fibre	Bhilai	A					
						Thermocare	Rajnandgaon	A					
						Dhanbad Rockwool Insulation	Dhanbad	A					
						Minsulate Manufacturing Co.	Jamshed	A					
						MHI	Japan	A					
						THERMAL ENGG INTERNATIONAL (TEI)	USA	A					
						TJPS	Chennai	A					

 एक महारत्न कम्पनी		PROJECT : SIPAT-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00		
		PACKAGE : EPC PACKAGES									DATE :02.05.2023		
		CONTRACTOR:									SUB SECTION: QA-TG(MECH)		
		CONTRACT NO :											
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note-1)
28	Condenser (water cooled) (Sub QR Item)	I				TOSHIBA CORPORATION LTD	Japan	A					
						LMTG	Surat	A					
						BHEL	Haridwar	A					
						ABFPL	Sanand	A					
						GE	Switzerland	A					
29	Condenser Fabricator (water cooled)	I				ISGEC	Yamunanagar	A					
						GE Power india Ltd.	Durgapur	A					
						Godrej & Boyce Manufacturing Company Ltd.	Mumbai	A					
						TEMA India Ltd.,	Thane	A					
30	HP Heaters (Sub QR Item)	I				TOSHIBA CORPORATION LTD	Japan	A					
						TJPS	Chennai	A					
						SPX Heat Transfer Inc. (Erstwhile Yuba Heat Transfer)	USA	A					
						GE	France	A					
						ABFPL	Sanand	A					
						BHI	S Korea	A					
						THERMAL ENGG INTERNATIONAL	USA	A					
						HOLTEC	USA	A					
						L&T	Hazira	A					
						BHEL	Hyderabad	A					
31	LP/HP Heater Fabricator	I				ISGEC	Yamunanagar	A					
						Godrej & Boyce Manufacturing Company Ltd.	Mumbai	A					
						TEMA India Ltd.,	Thane	A					
32	LP Heaters (Sub QR Item)	I				TOSHIBA CORPORATION LTD	Japan	A					
						TJPS	Chennai	A					
						SPX Heat Transfer Inc. (Erstwhile Yuba Heat Transfer)	USA	A					
						GE	Switzerland	A					
						ABFPL	Sanand	A					
						BHI	S Korea	A					
						THERMAL ENGG INTERNATIONAL	USA	A					
						BHEL	Hyderabad	A					
						L&T	Hazira	A					
						HOLTEC	USA	A					
33	Condensate Extraction Pump (CEP) (Sub QR Item)	I				KSB	Chinchwad, Pune	A					
						BHEL	Hyderabad	A					
						SULZER Pumps	Mumbai	A					
						Clyde Pumps India pvt. Ltd.	Ghaziabad	A					
34	Condenser Air Evacuation Pumps (Sub QR Item)	I				GARDNER Denver/Nash	Germany	A					
						GARDNER Denver/Nash	Pune	A					
						Tsurumi pumps	Japan	A					

 एक महारत्न कम्पनी		PROJECT : SIPAT-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00		
		PACKAGE : EPC PACKAGES									DATE :02.05.2023		
		CONTRACTOR:									SUB SECTION: QA-TG(MECH)		
		CONTRACT NO :											
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note-1)
						Edwards	UK	A					
35	Deaerator (Sub QR Item)	I				TJPS	Chennai	A					
						BHEL	Hyderabad	A					
						BGR	Chennai	A					
36	Deaerator Fabricator	I				Godrej	Mumbai	A					
						ISGEC	Yamunagar	A					
						Altech	Bhiwadi	A					
						TEMA India Ltd.,	Mumbai	A					
						BGR Energy System Ltd.	Chennai	A					
37	Booster Pump	I				KSB	Germany	A					
						KSB	Pune	A					
						Sulzer Pumps	Mumbai	A					
						Sulzer	UK	A					
						Flowserve	Switzerland	A					
						FLOWSERVE	Coimbatore	A					
						Flowserve	Spain	A					
						Hitachi	Japan	A					
						Ebara Corporation	Japan	A					
						MHI	Japan	A					
						BHEL	Hyderabad	A					
			38	Boiler Feed Pump (BFP) (Sub QR Item)	I				Ebara Corporation	Japan	A		
						Flowserve	Spain	A					
						KSB	Germany	A					
						KSB	Pune	A					
						Mitsubishi Heavy Industry	Japan	A					
						HITACHI PLANT TECHNOLOGY	Japan	A					
						BHEL	Hyderabad	A					
						Sulzer Pumps	Mumbai	A					
40	Drive Turbine for BFP	I				SULZER	UK	A					
						Siemens	Germany	A					
						Hitachi	Japan	A					
						GE Thermodyne	France	A					
						GE India Industrial Pvt. Ltd.	Pune	A					
						Toshiba	Japan	A					
						TJPS	Chennai	A					
						Power machines(Kaluga)	Russia	A					
						BHEL	Hyderabad	A					
						MHI	Japan	A					
41	HP Bypass Valves (Sub QR Item)	I				Skoda	Czech republic	A					
						CCI	Sweden/ Switzerland/ Czech Republic	A					
						CCI	Chittor,AP	A					
						Bomafa	Germany	A					
42	HP Bypass Valves (Sub QR Item)	I				Bomafa	Ahmedabad	A					
						CCI	Sweden/ Switzerland/ Czech Republic	A					

 एन टी पी सी		PROJECT : SIPAT-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00		
		PACKAGE : EPC PACKAGES									DATE :02.05.2023		
		CONTRACTOR:									SUB SECTION: QA-TG(MECH)		
		CONTRACT NO :											
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note-1)
42	Dr. Bypass Valves (Sub QR Item)	I				CCI	Chittor,AP	A					
						BOMAFa	Ahmedabad	A					
						BOMAFa	Germany	A					
43	Condensor On-load Tube cleaning system (COLTCS) (Sub QR Item)	I				GEA BGR	Chennai	A					
44	Hydraulic Coupling for BFP	I				Multitex Filtration	Greater Noida	A					
						Voith	Hyderabad	A					
						Voith	Germany	A					
45	Hangers & Supports; Pipe Support components including Spring Hangers	I				Pipe Support	Chennai	A					
						Lisega	Germany	A					
						Lisega	Ahmedabad	A			Load upto to 100KN		
						Seonghwa	S Korea	A					
						Pipe supports	UK	A					
						GILLARDINI	Italy	A					
						BERJEN	Chittor,AP	A					
						NHK SPRING	Japan	A					
						Yamashita Seisakusho Co. Ltd	Japan	A					
						MHI	Japan	A					
						SANWA TEKKI CORPORATION	Japan	A					
						CARPENTER AND PETERSON	UK	A			CLH Upto 30 T AND VLH Upto 32 T		
						CARPENTER & PATERSON INDIA PRIVATE LTD.	Vellore	A			CLH Upto 23.8T & VLH Upto 20.7T		
						AAA Supports Private Limited	Vadodara	A			For CLH, VLH and Rigid supports Max. Load 1.5 MT		
						Carpentor & Patterson	USA/Thailand	A					
46	Metallic Expansion Joint	I				Lonestar	Chennai	A			For size up to NB9200		
						Flexicon	Vadodara	A			For size upto 2200NB		
						Witzemann	Germany	A					
						Munro & Miller	UK	A					
						Flexatherm	Vadodara	A			For size upto 2200NB		
						Bird Precision	UK	A					
						Metallic Bellows	Chennai	A			For size up to 1600 NB		
						M B Metallic Bellows	Chennai	A			For size upto 2200NB		
						Athulya Bellows and Engineering Pvt. Ltd	Vadodara	A			For size up to NB 3400		
47	HP Piping -Fabrication (Based on Design and Drawings of Qualified Vendor)	I				HKR	S Korea	A					
						BHR	Germany	A					
						Seonghwa	S Korea	A					
						Finow	Germany	A					
						TOSHIBA	Japan	A					
						BHEL	Piping Center, Chennai &Thirumayam	A					
						L&T	Hazira	A					
						Dee development	Ballabgarh	A					
						Bendtec	USA	A					
			Wyman-Gordon	USA	A								

 एन टी पी सी NTPC एक महारत्न कम्पनी		PROJECT : SIPAT-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00			
		PACKAGE : EPC PACKAGES									DATE :02.05.2023			
		CONTRACTOR:									SUB SECTION: QA-TG(MECH)			
		CONTRACT NO :												
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note-1)	
48	HP Pipes and Fittings (Mills)	II				Sumitomo	Japan	A						
						Tenaris	Italy	A						
						V&M	Germany	A						
						V&M	France	A						
						IBF	Italy	A						
						SUNGWANG BEND	S Korea	A				UP TO 24INCH IN CS/AS MATERIAL		
						Productos Tubulares	Spain	A						
						JFE	Japan	A						
						Bentler	Germany	A						
						TK CORPORATION	S Korea	A				UP TO 24INCH IN CS MATERIAL		
						TUBOS REUNIDOS	Spain	A						
						MEGA	Italy	A				For Fittings Only		
			Petrol Raccord,	Italy						UP TO 24INCH IN CS MATERIAL & UP TO 18 INCH IN AS MATERIAL				
			Benkan Japan KK	Japan						UP TO 24INCH IN CS MATERIAL				
49	Elastomer Large Bellows or Flexibles Rubber Bellows	I				Cori Engineers Pvt. Ltd.	Chennai	A			UP TO 2700 NB			
						SRM Ecoflex	Kolkata	A			UP TO 2700 NB			
						KSB	Germany	A						
50	Heater Drains Recovery Pumps (Drip Pump)	I				Nasosenergomash	Ukraine	A						
						Sulzer Pumps	Mumbai	A						
						KSB	Pune	A						
						Hyundai	S Korea	A						
						KBL	Pune	A						
						Flowserve	Coimbatore	A						
51	Debris Filter/ Self Cleaning Strainer	I				GEA-BGR	Chennai	A						
						Multitex	Gr.Noida	A						
52	LP Pipes & Fittings (CS & SS)	I				Remi	Tarapur,India	A			SS			
						Apex	Alwar	A			SS (up to 150NB)			
						Ratnamani	Ahmedabad	A			SS			
						ISMT	India	A			CS (up to 400 NB)			
						Maharashtra Seamless Ltd.	Maharashtra	A			CS (up to 400 NB)			
						Tube Products Incorporate	Ahmedabad	A						
						TK Corporation	S Korea	A						
						Dee development	Palwal	A						
						Jindal Saw	India	A			CS (up to 400 NB)			
						Tata	India	A			ERW			
						Surya	India	A			ERW			
						JINDAL PIPES LTD	India	A			ERW			
						WELSPUN	India	A			ERW			
						Lalit Pipes & pipes Ltd.,	Thane	A			EFW Pipes			
			Ratnamni Metals and Tubes Ltd.,	Gandhinagar	A			EFW Pipes						
53	Butterfly Valves (* Also for steam services)	I				Fouress Engg. *	Bangalore	A			upto 2600 NB			
						IL *	Palakkad	A			upto 2200 NB			
						BHEL *	Bhopal, India	A						
						Kriloskar Bros. Ltd	Pune	A						
						L&T	Chennai	A						
						Trillium Flow	Hubli	A						
						Tyco	Halol	A						

 एन टी पी सी		PROJECT : SIPAT-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00		
		PACKAGE : EPC PACKAGES									DATE :02.05.2023		
		CONTRACTOR:									SUB SECTION: QA-TG(MECH)		
		CONTRACT NO :											
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note-1)
						L&T	Coimbatore	A					
						Intervalve	Pune	A					
54	Valves (gate/ globe/check) for LP application	I				L&T	Chennai/ Coimbatore	A					
						Velan	Canada/ Coimbatore	A					
						KSB	Germany/ Coimabtores	A					
						ToA	Japan	A					
						Fouress Engg	Aurangabad	A					
						Trillium Flow	Hubli	A					
						Crane	USA	A					
						Samshin	S Korea	A					
						KBL	Pune	A					
						Weir	UK	A					
						Leader	Jalandhar	A					
						BHEL	Trichy	A					
						Pentair (Tyco Sempel)	Trichy	A					
						HP Valves(Key Valves Technology)	Netherlands	A					
						IL	Palakkad	A					
			Steel Strong	Mumbai	A								
55	HP Feedwater Heaters Automatic (String Bypass) Isolation Valves	I				KSB	Germany	A					
						Tyco Sempell	Germany	A					
						Strack	Germany	A					
						BHEL	Trichy	A					
						Weir Valves & Controls UK Ltd.	UK	A					
56	Water Steam Cycle HP Valves	I				KSB	Germany /Coimbatore	A					
						L&T	Chennai	A					
						L&T	Coimbatore	A					
						Velan	Coimbatore	A			up to 2inch, #4500 (up to P92 grade)		
						HP Valves	Netherlands	A			Previous Name:Key Valves Technology		
						Weir Valves & Controls UK Ltd.	UK	A					
						BHEL	Trichy	A					
						Crane	USA	A					
						Samshin	S Korea	A					
						Pentair(Tyco Sempell)	Germany	A					
						Velan	Canada	A					
						ToA	Japan	A					
						Tyco	USA	A					
57	Safety Valves	I				BHEL	Trichy	A					
						Dresser	USA	A					
						Tyco	USA	A					
						Babcock	Spain	A					
						Flainger	Germany	A					
						Bopp & Reuther	Germany	A					

 एन टी पी सी		PROJECT : SIPAT-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00		
		PACKAGE : EPC PACKAGES									DATE :02.05.2023		
		CONTRACTOR:									SUB SECTION: QA-TG(MECH)		
		CONTRACT NO :											
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note-1)
						Flainger	Nasik	A					
						Reineke	Germany	A					
						Valve Technology	USA	A					
						KSB	Coimbatore	A					
						Leader	Jalandhar	A					
						L&T	Chennai	A					
						Velan	Canada	A					
						Fouress Engg	Ahmadnagar	A					
						Trillium Flow	Hubli	A					
						Velan	Canada	A					
						Steel Strong	Mumbai	A					
						L&T	Coimbatore	A					
						Plymouth	USA	A					
						Ratnamani	Kutchh	A					
						Neotiss Limited	Medak,AP	A			Remarks:Formerly Vallourec Heat exchanger Tubes Ltd/ CST Valinox Ltd.		
						REMI Edelstahl Tubulars Ltd.	Tarapur	A					
						Shin han Metal	S Korea	A					
						Valtimat	France	A					
						Nippon Steel Corp.	Japan	A					
						Ratnadeep Metal & Tubes Ltd	Mehsana	A					
						Maxim Tubes	Gandhinagar	A					
						Scholler Werke GmbH	Germany	A					
						Plymouth	USA	A					
						Ratnamani	Kutchh	A					
						Ratnamani	Mehsana	A					
						Valtimat	France	A					
						Nippon Steel Corp.	Japan	A					
						Scholler Werke	Germany	A					
						Heavy Metals and Tubes	Gandhinagar	A					
						Shin han Metal	S Korea	A			LP Heater		
						Apex	Alwar	A			LP Heater		
						Ratnadeep Metal & Tubes Ltd	Mehsana	A			LP Heater		
						REMI Edelstahl Tubulars Ltd.	Tarapur	A					
						Neotiss Limited	Medak,AP	A			Remarks:Formerly Vallourec Heat exchanger Tubes Ltd/ CST Valinox Ltd.		
						Proton Energy Systems	USA	A					
						MVS ENGINEERING LIMITED	New Delhi	A			Bi-polar type, 2x6NM3/Hr		
						SUKAN ENGG. PVT. LTD	Mumbai	A			Bi-polar type, 2x6NM3/Hr		
						Eastern Electrolyzer Limited	Noida	A			Bi-polar type, 2x6NM3/Hr		
						Teledyne Energy System Inc.	USA	A					
						AIROX NIGEN EQUIPMENTS LTD	Ahmedabad	A			Bi-polar type, 2x6NM3/Hr		
						Electrolyser Corporation	Canada	A					
						BOC	Kolkata	A					
Main Contractor Approved Sources(Note-3)													
1	Turbine Bearing Pedestal	I				Main Contractor Approved Sources							

 एक महारत्न कम्पनी		PROJECT : SIPAT-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00		
		PACKAGE : EPC PACKAGES									DATE :02.05.2023		
		CONTRACTOR:									SUB SECTION: QA-TG(MECH)		
		CONTRACT NO :											
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note-1)
2	Chemical Dosing System	I				Main Contractor Approved Sources							
3	Vapour Exhauster With Motor	II				Main Contractor Approved Sources							
4	Drain Cooler & Misc Tanks	II				Main Contractor Approved Sources							
5	Oxygen/NAOH Dosing System	II				Main Contractor Approved Sources							
6	Misc Items like Internals of equipments(if not covered in MQP) & Consumables like paints, gaskets etc.	III				Main Contractor Approved Sources							
NOTE - 1 : For final Sub-QR approval , document required to be submitted as per Sub-QR requirements given in the specification.													
NOTE-2: Vendors under ‘A’ are approved and accepted by NTPC with/without conditions in the past. Similar conditions as the case may be for the vendor shall be applicable for this project and tied up in the quality plan.													
NOTE-3:	Main contractor approved sub vendors evaluated / assessed as per Main contractor Quality Management System is acceptable.												
Note-4:	The items not covered in the above list shall be mutually discussed & agreed for Item categorisation & sub-vendor control.												
LEGENDS/ संकेतिका													
* - Inspection category will be decided during vendor evaluation.													
1.0 SYSTEM SUPPLIER / SUB SUPPLIER APPROVAL STATUS CATEGORY प्रणाली आपूर्तिकर्ता / सब -वेंडर की स्वीकृति की स्थिति की श्रेणी													
A – For these items proposed vendor is acceptable to NTPC. To be indicated with letter “A” in the list along with the condition of approval, if any./ इन मदों के लिए प्रस्तावित वेंडर एनटीपीसी को स्वीकार्य है। अनुमोदन की शर्त, , यदि कोई हो, के साथ-साथ पत्र "A" में इंगित किया जाए ।													
2.0 QP INSPECTION CATEGORY : क्यूपी / निरीक्षण की श्रेणी:													
CAT - I : For those items the Quality Plans are approved by Customer and final acceptance will be on physical inspection witness by Customer.इन मदों के लिए गुणवत्ता योजनाओं को एनटीपीसी द्वारा अनुमोदित किया जाता है और एनटीपीसी द्वारा अंतिम स्वीकृति भौतिक निरीक्षण के दौरान उपलब्ध गवाह के आधार पर दी जाएगी।													
CAT - II : For those items the Quality Plans are approved by Customer. However no physical inspection shall be done by Customer. The final acceptance by Customer shall be on the basis of review of documents. इन मदों के लिए गुणवत्ता योजनाओं को एनटीपीसी द्वारा अनुमोदित किया जाता है। हालांकि एनटीपीसी द्वारा कोई भीतिक निरीक्षण नहीं किया जाएगा। एनटीपीसी द्वारा अंतिम स्वीकृति अनुमोदित क्यूपी के अनुसार दस्तावेजों की समीक्षा के आधार पर दी जाएगी।													
CAT - III :For these items Quality control to be exercised as per Main contractor Quality Assurance System. The final acceptance by NTPC shall be on the basis of Certificate of Conformance (COC) by Main Contractor.													
UNITS/WORKS : Place of manufacturing- Place of main supplier of multi units/works.													



Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL प्रस्तावित प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
1	AIR BLOWERS -LOBE TYPE >= 5KW	I			SWAM PNEUMATIC	NOIDA	A			WTP,CPU,AHP
					EVEREST BLOWERS PVT LTD	BAHADURGARH	A		UP TO 40 HP (APPROX 1600 CUM/HR)	
					KAY INTERNATIONAL	SONEPAT	A		UP TO 4800 CUM/HR	
					KULKARNI POWER TOOLS	SHIROL	A		UP TO 2500CUM/HR	
					USHA COMPRESSORS	AHMEDABAD	A		UP TO 60 HP (APPROX 2000CUM/HR)	
2.A	EOT CRANE & ELECTRIC HOIST >5 MT	I (> 10T) / III (>5T UP TO 10T)			REVA INDUSTRIES	FARIDABAD	A		UP TO 60 MT	WTP,CT.AC&VENTILATION,CHP,LHP&GH P,AHP, CW , FDPS
					EDDY CRANE	PUNE	A		UPTO 10 MT	
					CONSOLIDATED HOIST	SATARA /PUNE *	A		SATARA UP TO 20 MT,*PUNE FOR ELECTRIC HOIST UPTO 15 MT	
					ELECTROTHERAPHY	RISHRA	A		UPTO 15 MT FOR ELECTRIC HOIST ONLY	
					HERCULES HOIST	RAIGAD	A		UPTO 15 MT FOR ELECTRIC HOIST ONLY	
					TUBRO FERGUSSON	KOLKATA	A		UP TO 20MT FOR EOT, UP TO 5 MT FOR FOR ELECTRIC HOIST	
					PRAYAS ENGG (PBL)	V V NAGAR	A		UPTO 10 MT FOR ELECTRIC HOIST ONLY	
					ALPHA SERVICES	ALWAR	A		SINGLE GIRDER EOT CRANE & ELECTRIC HOIST UPTO 15 MT ONLY. GEARBOX FROM NTPC APPROVED SOURCES FOR EOT CRANE.	
					CENTURY CRANE ENGINEERS PVT. LTD	BALLABHGARH	A		UP TO 25 MT	



Project/ परियोजना : SIPAT-III (1X800 MW)
Package/ पैकेज : EPC
Supplier/ आपूर्तिकर्ता:
Contract No./ अनुबंध सं.:

**INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN
AND SUB-SUPPLIER APPROVAL**

प्रचालित प्रान तथा सब –वेडर के अनुमोदन सहित मदों की सूची

SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)

DOC. NO./ दस्तावेज सं.:

REV. NO.:

DATE/ तिथि : 26.06.2023

PAGE/ पृष्ठ :

S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
					ARMSEL	BANGALORE	A		UPTO 10 MT EOT & UPTO 15 MT ELECTRIC HOIST	
					TRACTEL TIRFOR	PALWAL	A		UPTO 15 MT FOR ELECTRIC HOIST AND UPTO 10 MT FOR EOT	
					MILLARS INDIA	KARAMSAD	A		UP TO 25 MT	
					AVON CRANES	GURGAON	A		UP TO 25 MT	
					GRIP ENGINEERS	HYDERABAD	A		50 MT (GEARBOX FROM NTPC APPROVED SOURCES FOR EOT CRANE).	
					GRIP ENGINEERS	FARIDABAD	A		UPTO 20 MT ELECTRIC HOIST ONLY	
					CRANEX	GHAZIABAD	A		UP TO 140 MT FOR EOT ONLY	
2.B	GANTRY CRANE >5T	I (> 10T) / III (>5T UP TO 10T)			REVA INDUSTRIES	FARIDABAD	A		UP TO 60 MT	CW
					UNIQUE INDUSTRIAL HANDLERS	NASHIK	A		UP TO 165 MT	
					PVT LTD ANUPAM INDUSTRIES LTD.	ANAND	A		UP TO 60MT	
					SMACO ENGINEERING PVT. LTD	THANE	A		UP TO 60MT	
					MANGLA HOIST	GREATER NOIDA	A		UP TO 10MT	
					CB DOCTOR VENTILLATOR PVT LTD	AHMEDABAD	A		up to 50000 CMH	WTP,CT.AC&VENTIL ATION,CHP,LHP&GH P,AHP
					HOWDEN SOLYVENT FLAKT INDIA PVT LTD,	CHENNAI	A		up to 125000 CMH	



Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
3	FAN- AXIAL TYPE > = 5KW	I			C DOCTOR &CO PVT LTD	KOLKATA	A		up to 50000 CMH	
					KRUGER VENTILATION INDUSTRIES (I) PVT LTD	SHAHPUR, THANE	A		Up to 6000 CMH	
					NADI AIRTECHNICS PVT LTD	CHENNAI	A		Up to 15000 CMH	
					ADVANCE VENTILATION PVT LTD	KUNDALI. SONEPAT	A		up to 40000 CMH	
					SK SYSTEMS PVT LTD	KUNDALI PHASE-II, SONEPAT, HARYANA	A		up to 50000 CMH	
					Patel Airflow	Ahemdabad	A		up to 40000 CMH	
					ALMONAROD (P) LIMITED	CHENNAI	A		Up to 14000 CMH	
					STEEL AUTHORITY OF INDIA LIMITED	ROURKELA	A			CW,CT,MUW
					WELSPUN	ANJAR	A		SAW UPTO 2600 NB	
					WELSPUN	BHARUCH	A		SAW UPTO 1300 NB	
					MAN INDUSTRIES	INDORE	A		SAW UPTO 1400 NB	
					SAMSHI	VADODARA	A		SAW 450 TO 2540 NB	
					MUKAT TANKS & VESSELS	TARAPUR	A		SAW 200 TO 1200 NB	
					MUKAT PIPES	RAJPURA	A		SAW UPTO 1800 NB	



Project/ परियोजना : SIPAT-III (1X800 MW)
Package/ पैकेज : EPC
Supplier/ आपूर्तिकर्ता:
Contract No./ अनुबंध सं.:

INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN
AND SUB-SUPPLIER APPROVAL

प्रस्तावित प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची

SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)

DOC. NO./ दस्तावेज सं.:

REV. NO.:

DATE/ तिथि : 26.06.2023

PAGE/ पृष्ठ :

S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
4	PIPES-MS- (BLACK/ GI) AS PER IS IS:3589 >1000NB	I			LALIT PIPES AND PIPES LTD	THANE	A		SAW 350 TO 1400 NB	
					RATNAMANI	CHATRAL	A		SAW 600 TO 2600 NB	
					RATNAMANI	KUTCH	A		SAW 400 TO 3600 NB	
					PSL HOLDINGS LIMITED	DAMAN	A		SAW 450 TO 1600 NB	
					PSL INTERNATIONAL LTD.	CHENNAI	A		SAW 450 TO 1600 NB	
					PSL LIMITED	KUTCH	A		SAW 450 TO 1600 NB	
					PSL LIMITED	VISAKHAPATNAM	A		SAW 450 TO 1600 NB	
					JCO PIPES	CHHINDWARA	A		SAW UPTO 1600 NB	
					SURYA GLOBAL STEEL TUBE LTD	ANJAR	A		SAW UP TO 2032 OD	
					JINDAL SAW LTD	BELLARY	A		SAW UP TO 3632 OD , THICKNESS 16 MM	
5	PIPES & FITTINGS-GRP	I			EPP COMPOSITES PVT LTD	RAJKOT	A		UP TO 900MM	WTP,CT
					GRAPHITE INDIA	NASIK	A		UP TO 1000MM	
					SHRIRAM SEPL COMPOSITES LTD	CHENNAI	A		UP TO 1100MM	



Project/ परियोजना : SIPAT-III (1X800 MW)
Package/ पैकेज : EPC
Supplier/ आपूर्तिकर्ता:
Contract No./ अनुबंध सं.:

INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN
AND SUB-SUPPLIER APPROVAL

प्रचालित होने तथा सब-वेंडर के अनुमोदन सहित मदों की सूची

SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)

DOC. NO./ दस्तावेज सं.:

REV. NO.:

DATE/ तिथि : 26.06.2023

PAGE/ पृष्ठ :

S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
					BALAJI FIBER REINFORCE PVT LIMITED	VADODARA	A		UP TO 650MM	
					MEGHA FIBRE GLASS INDUSTRIES PVT LTD	MEDAK	A		UP TO 900MM	
6	SERVICE VESSEL-CPU & OTHER PR VESSELS >= 10 BAR WORKING PRESSURE	I			DRIPLEX WATER ENGINEERING INTERNATIONAL PVT LIMITED	BHADARBAD	A			WTP,CPU,CAS,CHP, LHP&GHP,AHP
					BGR ENERGY SYSTEMS LTD (ENVIRONMENTAL ENGG. DIV.)	PONNERI	A		UPTO 3000MM DIA & THICKNESS UPTO 28 MM	
					ISHAN EQUIPMENTS PRIVATE LIMITED	VADODARA	A		UPTO 2900 MM DIA & THICKNESS UPTO 28 MM	
					JASMINO POLYMERTECH PVT LTD	TALOJA	A		DIA 2800MM, THICKNESS 25MM DESIGN PRESSURE UP TO 47.5 KSC	
					MAHIMA UDYOG	HARIDWAR	A		DIA UP TO 2900 MM , THICKNESS UPTO 29 MM	
					BELCO POLLUTION CONTROL PVT LTD	GREATER NOIDA	A		UPTO 3200MM DIA & THICKNESS UPTO 30 MM	
					KIRLOSKAR BROTHERS LTD	KIRLOSKARWADI	A			WTP,CW, CPU,FDPS,CHP, LHP &GHP,AC & VENTILATION,MUW, AHP
					WILO MATHER & PLATT	PUNE	A			
					WILO MATHER & PLATT	KOLHAPUR	A			
					SAM TURBO	COIMBATORE	A		FLOW UP TO 1500 CUM/HR AND POWER RATING UP TO 425 KW	
					FLOWMORE LTD	GHAZIABAD	A			
					BEST AND CROMPTON	CHENNAI	A			



Project/ परियोजना : SIPAT-III (1X800 MW)
Package/ पैकेज : EPC
Supplier/ आपूर्तिकर्ता:
Contract No./ अनुबंध सं.:

INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN
AND SUB-SUPPLIER APPROVAL

प्रस्तावित प्लान तथा सब-वेंडर के अनुमोदन सहित मदों की सूची

SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)

DOC. NO./ दस्तावेज सं.:

REV. NO.:

DATE/ तिथि : 26.06.2023

PAGE/ पृष्ठ :

S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप. अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
7	PUMPS- HORIZONTAL & VERTICAL CENTRIFUGAL -UP TO 300KW	(UP TO 60 KW CAT-II , ABOVE 60 KW CAT-I)			JYOTI LTD	VADODARA	A			
					WPIL	GHAZIABAD	A			
					KISHORE PUMPS	PUNE	A		UPTO 500M3/HR ONLY RUBBERLINED PUMPS ALSO	
					GRUNDFOS PUMPS INDIA PVT LTD	CHENNAI	A		HORIZONTAL UP TO 30 KW ONLY AND VERTICAL UP TO 45 KW ONLY (FOR APPLICATIONS WHERE NPSH IS NOT ASSURED)	
					SINTECH PRECISION	GHAZIABAD	A		HORIZONTAL UP TO 400 KW MOTOR RATING AND VERTICAL UP TO 30 KW MOTOR RATING	
					KSB	PUNE	A			
					KSB	NASHIK	A			
					FLOWSERVE INDIA CONTROLS PVT LTD	COIMBATORE	A		HOIZONTAL CENTRIFUGAL PUMP UP TO 75 KW ONLY	
					SU MOTOR	MUMBAI	A		HORIZONATL UPTO 500M3/HR ONLY RUBBERLINED PUMPS AND VERTICAL CENTRIFUGAL PUMPS UP TO 100CMH ONLY	
					BHARAT PUMPS AND COMPRESSORS	NAINI	A		FLOW UP TO 2200 M3/HR AND HEAD UP TO 60 MWC	
					FLOWMORE LTD	GHAZIABAD	A			WTP, CW
					KIRLOSKAR BROTHERS LIMITED	KIRLOSKARWADI	A			
					WPIL LTD	KOLKATA	A			
					WPIL LTD	GHAZIABAD	A			



Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL प्रस्तावित प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
8	PUMPS -VT -UP TO 300KW	I			JYOTI LTD	VADODARA	A			
					XYLEM WATER SOLUTIONS INDIA	VADODARA	A			
					PVT LTD					
					FLOWSERVE INDIA CONTROLS	COIMBATORE	A		UP TO 1025 KW	
					PVT LTD					
					SINTECH PRECISION	GHAZIABAD	A			
					WILO MATHER & PLATT	PUNE	A			
9.A	VALVE-DUAL PLATE CHECK > 600MM OR CLASS > 300 (VALVE- DUAL PLATE CHECK UP TO 600MM & CLASS 300: CAT-II & MAIN CONTRACTOR APPROVED SOURCES)	I			ADVANCE VALVE PVT LTD	GR. NOIDA	A		DUAL PLATE CHECK VALVES CI UPTO 1000 NB CLASS 125, DUPLEX SS UP TO 600NB CLASS 600.	WTP,CW, CPU,FDPS,CAS,LP PIPING
					LEADER VALVES	JALANDHAR	A		UP TO 900MM CLASS 150 , SS 200NB CLASS#300	
					R & D MULTIPLE	VALSAD	A		CI/ CS UP TO 800NB PN 10	
9.B	VALVE-BALL > 100 MM OR CLASS > 800; (VALVE- BALL UP TO 100 MM & CLASS 800:CAT-II & MAIN CONTRACTOR APPROVED SOURCES)	I			SWIMS TECHNOLOGIES	HUBLI	A		SS BALL VALVES UP TO 500MM AND CLASS #600, CS BALL VALVES UP TO 250 MM AND CLASS# 900, CS/ SS BALL UP TO 100 NB CLASS 150, AND UP TO 100 NB CLASS#300	WTP, CPU,FDPS,CAS,FOH,C HP,LHP&GHP,AHP
					MICRO FINISH VALVES PVT. LTD.	HUBLI	A		400NB CLASS#600 AND UP TO 600NB CLASS#300	
					FLOW CHEM INDUSTRIES	KALOL	A		100NB CLASS#600,200NB CLASS#300, 50 NB CLASS#800	
					L&T VALVES LIMITED	COIMBATORE	A		UPTO 150NB, CLASS #150/300, AND UPTO 50NB, CLASS #800	
					PRECISSION ENGG CO VALVES PVT LTD	NASIK	A		FCS UP TO 50NB CLASS 800, CCS UP TO 400NB CLASS 150.	
					BELGAUM AQUA VALVE PVT LTD	BELGAON	A		FCS UP TO 50NB CLASS 800, CCS UP TO 200NB CLASS 150.	



	Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:	INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :					
		S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी
						G M ENGINEERING PRIVATE LTD	RAJKOT	A		UP TO 400 NB AND CLASS #600	
9.C	VALVE-BUTTERFLY > 600MM OR CLASS>150 (VALVE-BUTTERFLY UP TO 600MM & CLASS 150::CAT-II & MAIN CONTRACTOR APPROVED SOURCES)	I				INTERVALVE POONAWALA LTD	PUNE	A		SGI / CI / D2 1400MM PN10, SGI / CI 1000MM PN16,CS/SS 500MM PN16, SS 400MM CLASS#300, MS FABRICATED	WTP, CW,CT,CPU,FDPS,CAS , AC& VENTILATION, MUW,CHP, LHP&GHP,LP PIPING,AHP
						SWIMS TECHNOLOGIES	HUBLI	A		CI/ DI BUTTERFLY VALVE UP TO 1000MM AND PN16 AND UP TO 1800MM AND PN10,CCS UP TO	
						PENTAIR VALVES	HALOL	A		FOR SS UP TO 500 NB PN-10, CI- UP TO 900NB PN-10, UP TO 500NB PN-16, 450MM CLASS#300., MS FABRICATED	
						FOURES ENGINEERING	BANGALORE	A		CAST SGI/CI/ MS FABRICATED- UP TO 1200 PN-10, UP TO 350 PN-16 ,2400 MM PN6/CLASS150	
						KIRLOSKAR BROTHERS LTD	KONDHAPURI	A		CAST SGI/CI/CS 1400 MM PN16 , SS 300 MM PN16 , 1800MM CLASS 150, MS FABRICATED 900 NB PN40,MS	
						R & D MULTIPLE	VALSAD	A		CAST SGI/CI/MS FABRICATED- UP TO 1800 MM PN-10/CLASS # 75, ,1100MM PN25,1400MM CLASS#150 ,MS	
						ADVANCE VALVES PVT LTD	GREATER NOIDA	A		METAL SEATED, TRIPLE ECCENTRIC, SS BFV OF SIZE UPTO 100NB, AND PRESSURE RATING UPTO CLASS #300.	
						BRAY CONTROLS INDIA PVT. LTD	KANCHIPURAM	A		UPTO 450 MM AND CLASS#600	
						INSTRUMENTATION LTD.	PALAKKAD	A		UPTO 2200NB CLASS # 75	
						HAWA ENGINEERS	AHMEDABAD	A		CI/ CS & FABRICATED UPTO 1200MM, CLASS #150, SS UPTO 250MM, CLASS#150	
						CRANE PROCESS FLOW	SATARA	A		UP TO 900MM PN10	
						L & T VALVES LIMITED	COIMBATORE	A		UP TO 900MM CLASS 150	
						DEMBLA VALVES	THANE	A		UP TO 2200MM CLASS#75	



	Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :			
	S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी
9.D	VALVE-CONVENTIONAL GATE / GLOBE / CHECK > 600NB OR CLASS > 300	II			LEADER VALVES	JALANDHAR	A		CS GATE 600MM CLASS#600, SS GLOBE 600MM CLASS#600, CS CHECK 600MM AND CLASS#600	WTP, CW,CT,CPU,FDPS,CAS , AC& VENTILATION, MUW,CHP, LHP&GHP,LP PIPING,AHP
					HAWA ENGINEERS	AHMEDABAD	A		FCS / FSS 50 NB CLASS 800.	
					FOURES ENGINEERINGS	THANE	A		400NB CLASS 600 AND 50NB CLASS 800.	
					BHEL IVP	GOINDWAL	A		GATE UP TO 300 NB CLASS 600. GLOBE 250 NB CLASS 400, CHECK 150NB CLASS 600.	
					HITECH ENGG PVT LTD	AHEMDABAD	A		50 NB CLASS 800.	
					KSB PUMPS LTD	COIMBATORE	A		300NB CLASS 2500.	
					NITON VALVES INDIA PVT LTD	NAVI MUMBAI / AURANGABAD	A		CS GATE 900 NB CLASS 600, CHECK 300 NB CLASS 600.	
					L&T VALVES LIMITED	COIMBATORE	A		650 MM CLASS 600, 50 NB CLASS 800.	
					SWIMS TECHNOLOGIES	HUBLI	A		CONVENTIONAL CCS GATE / GLOBE / CHECK VALVES UP TO 600MM AND CLASS # 1500, CSS GATE/ GLOBE/ CHECK VALVES UP TO 600MM AND CLASS # 1500	
9.E	VALVE- DIAPHRAGM TYPE	I			CRANE PROCESS FLOW	SATARA	A		UP TO 300NB PN10	WTP,CPU
					SWIMS TECHNOLOGIES	HUBLI	A		UPTO 250 NB - PN 10, 350MM PN6	
					PROCON ENGINEERS	MUMBAI	A		UPTO 200 NB AND PN 10/CLASS #150	
9.F	VALVE-PLUG > 100 MM OR CLASS > 800(VALVE- PLUG UP TO 100 MM & CLASS 800:CAT-II & MAIN CONTRACTOR APPROVED SOURCES)	I			SWIMS TECHNOLOGIES	HUBLI	A		SOFT SEATED 400MM AND CLASS #150, 300NB CLASS#300	WTP,CPU,CHP, LHP&GHP, FOH,AHP
					XOMOX SANMAR	TRICHY	A		UP TO 600MM AND CLASS#300	

	Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				
	S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
						FLOWSERVE INDIA CONTROLS	CHENNAI	A		METALLIC SEATED 400NB CLASS#150, 300NB CLASS #300, 50NB CLASS #800	
10	PUMP -SUBMERSIBLE>= 30KW	I			KSB	NASHIK	A			130 KW	WTP,CT, CPU,CHP, LHP&GHP, FOH,AHP.LP PIPING,FDPS
					KIRLOSKAR BROTHERS LTD	KIRLOSKARWADI	A				
					AQUA MACHINERY	AHMEDABAD	A		UP TO 235 KW		
					WPIL	GHAZIABAD	A				
11	RUBBER EXPANSION JOINT>=1600NB (RUBBER EXPANSION JOINT < 1600NB: CAT-II & MAIN CONTRACTOR APPROVED SOURCES)	I			CORI ENGINEERS PVT LTD	CHENNAI	A		UPTO 2800 MM	ACW, ECW, CW,CT	
					SRM EXOFLEX PVT LTD	KOLKATA	A		UPTO 2800 MM		
11.A	DRIFT ELIMINATOR-PVC	I			M/s Cooldeck	Daman	A				CT
		I			M/s MM Aqua	Gurgaon	A				CT
11.B	FILLS (Trickle Grid /Moduler/Splash)	I			M/s Enexio Power cooling solutions ,	Thiruvallur(TN)	A			NF20	CT
12	FAN ASSEMBLY-COOLING TOWER	I			PAHARPUR COOLING TOWERS LTD	SAHIBABAD	A			WITH SOLID FAN BLADES 288" AND 336 " DIA, WITH FOAM CORED FAN BLADES WITH 10METERS AND 10.97 METERS	CT
					PAHARPUR COOLING TOWERS LTD	BHASA	A		60" TO 288" FAN DIA		
					PAHARPUR COOLING TOWERS LTD	KOLKATA	A		60" TO 288" FAN DIA		



	Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:	INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्रवालिटि प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				
		SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)								
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
					M/s MAYA FANS AIR ENGG PVT LTD,	DEWAS	A		UP TO 11 METER FAN DIA	
					AMALGAMATED INDUSTRIAL COMPOSITES PVT LTD	NASHIK	A		UP TO 11 METER FAN DIA	
13	GEAR BOX -COOLING TOWER	I			PAHARPUR COOLING TOWERS LTD	SAHIBABAD	A			CT
					PAHARPUR COOLING TOWERS LTD	KOLKATA	A			
					NEW ALLENBERRY WORKS	KOLKATA	A			
					ELECON ENGINEERING	VALLABH VIDYANAGAR	A			
					PREMIUM ENERGY TRANSMISSION LTD.	FALTA	A			
14	DRIVE SHAFT-CARBON FIBRE -COOLING TOWER	II			M/S EUROFLEX TRANSMISSION (INDIA) PVT LTD	HYDERABAD	A			CT
					PAHARPUR COOLING TOWERS LTD	SAHIBABAD	A			
					M/s AMALGAMATED INDUSTRIAL COMPOSITES PVT LTD	NASHIK	A			
					NORTH STREET COOLING TOWERS	GHAZIABAD	A			
15	DRIVE SHAFT SS-COOLING TOWER	II			PAHARPUR COOLING TOWERS LTD	SAHIBABAD	A			CT
					PAHARPUR COOLING TOWERS LTD	KOLKATA	A			
					NORTH STREET COOLING TOWER	GHAZIABAD	A			



Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL प्रस्तावित प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
16	PUMP-CW PUMP	I			KIRLOSKAR BROTHER'S LIMITED	KIRLOSKARWADI	A		BOTH CV & VT TYPE VT Upto 43000 CUM/H and VT Upto 30000 CUM/H	CW
					WPIL LTD	KOLKATA	A		BOTH CV & VT TYPE	
					FLOWSERVE INDIA CONTROLS	COIMBATORE	A		CV TYPE ONLY	
					PVT LTD		A			
					FLOWMORE LTD	GHAZIABAD	A		VT TYPE ONLY	
					XYLEM WATER SOLUTIONS INDIA	VADODARA	A		VT TYPE ONLY	
17	ELECTRO HYDRAULIC ACTUATOR FOR CW PUMP DISCHARGE BUTTERFLY VALVE	I			BOSCH REXROTH (INDIA) PVT LTD	SANAND	A		HYDRAULIC POWER PACK AND HYDRAULIC CYLINDER (320 MMM BORE DIA) , ACCUMUATOR FORM	CW
					HYDAC (INDIA) PVT. LTD	COIMBATORE	A		HYDRAULIC POWER PACK-HYDAC COIMBATORE, HYDRAULIC CYLINDER - HYDAC BANGLORE, ACCU MULATOR	
18	IMPELLER CASTING - CW PUMP	II			ISGEC	MUZAFAER NAGAR	A		FINISHED CASTING UP TO 4.0 MT	CW
									APPROX	
					THE KOLHAPUR STEEL LTD,	KOLHAPUR	A		FINISHED CASTING UP TO 4.0 MT	
									APPROX	
					WESTERN PRECAST PVT LTD	SANGLI	A		FINISHED CASTING UP TO 3.5 MT	
									APPROX	
					HINDUSTAN UDYOG LIMITED	NAGPUR	A		FINISHED CASTING UP TO 3.0 MT	
									APPROX	
					HI-MET CORPORATION	S.KOREA	A		FINISHED CASTING UP TO 3.0 MT	
									APPROX	
					TULIP CASTING	KOHLAPUR	A		WEIGHT UPTO 3.0 MT , DIA 1600 MM	



Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :			
Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
				MATHER FOUNDARY LTD	UK	A		FINISHED CASTING UP TO 3.6 MT APPROX	
SHAFT-FORGING -CW PUMP	II			GORADIA SPECIAL STEELS LTD	KHAPOLI	A			CW
				BHARAT FORGE	PUNE	A			
				CFFP,BHEL	HARIDWAR	A		UP TO DIAMETER 290MM AND LENGTH APPROX. 3000MM, GRADE SS410	
THRUST BEARING FOR CW PUMP	I			MICHEL	BANGLORE	A			CW
				KMP	GREATER NOIDA	A			
DELUGE VALVE WITH TRIMS	I			HD FIRE	THANE/JALGAON	A			FDPS
				CARRIER	GURGAON	A		FOR PISTON TYPE DELUGE VALVE ONLY	
INERT GAS EXTINGUISHING SYSTEM	II			ANSUL	USA	A			FDPS
				KIDDE (GINGEKERR)	UK	A			
				NAFFCO	UAE	A			
				MINIMAX Gmbh & Co. KG	GERMANY	A			
				TOTAL WALTHER	GERMANY	A			
				NOHMI BOSAI	JAPAN	A			



Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL प्रस्तावित उप-सुप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
23	ALARM VALVE WITH TRIMS	II			HD FIRE	THANE	A			FDPS
					HD FIRE	JALGAON	A			
24	FOAM SYSTEM(BLADDER TYPE)	I			HD FIRE	JALGAON	A			FDPS
					FIRETECH	RATNAGIRI	A			
25	FIRE TENDER	I			WADIA BODY BUILDERS	AHEMDABAD	A			FDPS
					AAREL INDUSTRIES	INDORE	A			
					AMBALA COACH	AMBALA	A			
					VIJAY FIRE	UMBERGAON	A			
					MARATHON ELECTRIC MOTOR(I) LTD	KOLKATA	A		UP TO 50000 CMH	AC& VENTILATION, CHP, LHP&GHP,,AHP
					HOWDEN SOLYVENT FLAKT INDIA PVT LTD,	CHENNAI	A		UP TO 200000 CMH	
					ALMONAROD (P) LIMITED	CHENNAI	A		UP TO 60000 CMH	
					PATEL AIRFLOW	VATWA, AHMEDABAD	A		UP TO 250000 CMH	
					CB DOCTOR VENTILATOR PVT LTD	AHMEDABAD	A		UP TO 150000 CMH	
					WOLTER VENTILATORS INDIA (P) LTD	BHIWADI,	A		UP TO 200000 CMH	



Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL प्रस्तावित उप आपूर्तिकर्ता SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
26	CENTRIFUGAL FAN (≥ 5KW) MOTOR FROM NTPC ACCEPTED SOURCE	I			C DOCTOR &CO PVT LTD	KOLKATA	A		UP TO 250000 CMH	
					SUVIDHA AIR ENGINEERS	AHMEDABAD	A		UP TO 190000 CMH	
					SUBURBAN INDUSTRIAL WORKS PVT. LTD	KOLKATA	A		UP TO 100000 CMH	
					KRUGER VENTILATION INDUSTRIES (I) PVT LTD	THANE	A		UP TO 90000 CMH	
					SOLYVENT FLAKT	KOLKATA	A		UP TO 200000 CMH	
					ADVANCE VENTILATION PVT LTD	SONEPAT	A		UP TO 250000 CMH	
					SK SYSTEMS PVT LTD	SONEPAT	A		UP TO 250000 CMH	
27	DIESEL ENGINE	I			CUMMINS	PUNE	A		Up to 2000 KVA	DG SET,FDPS
					PERKINS	AURANGABAD	A		UP to 313 HP	
					GREAVESS COTTON	AURANGABAD	A		Up to 1750 KVA	
28	3 LPE COATED PIPE	I			SAIL	ROURKELA	A			MUW
					RATNAMANI	KUTCH	A		UP TO 1100 NB	
					PSL LTD	KUTCH/ VIZAC	A		UP TO 1100 NB	
					TRANTER INDIA	PUNE	A		HT PLATES & GASKETS FROM TRANTER SWIDEN/USA.HT PLATES FROM HISKA JAPAN	ECW

 Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				
S. N. क्र.सं.	Item / मद	QP / Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप. अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
29	PLATE HEAT EXCHANGER	I			ALPHA LAVAL	SATARA	A		HT PLATES & GASKETS FROM ALPHA LAVAL SWIDEN	
					IDMC	ANAND	A		HT PLATES & GASKETS FROM SONDEX DENMARK	
					SONDEX INDIA	VADODARA	A		HT PLATES FROM SONDEX DENMARK/INDIA (MODEL S188)	
30	DI(Ductile Iron) PIPE & FITTINGS	I			JINDAL SAW(J161)	KUTCH	A		UP TO DN 900 CLASS K7 & K9	MUW
					JAI BALAJI(J156)	BARDWAN	A		UP TO DN 900 CLASS K7 & K9	
					ELETRO STEEL	KOLKATA	A			
31	AIR COMPRESSOR: OIL FREE CENTRIFUGAL COMPRESSOR	I			NGERSOLL RAND INDIA	AHEMDABAD	A		Capacity Upto 60 NM3/Minute @ Pr 8 bar	CAS
					KIRLOSKAR PNEUMATIC COMPANY LTD	PUNE	A		Capacity up to 45.3 Nm3/min and pressure rating up to 9.3 kg/cm2	
32	SCREW TYPE AIR COMPRESSORS	I			ATLAS COPCO	Pune (Dapodi)	A			CAS, CHP, LHP, GHP, MRHS, AHP
		I			INGERSOLL RAND INDIA	AHMEDABAD	A		UPTO MODEL SH 300 (36 NM3/MIN) . AIR ENDS FROM GHH RAND - GERMANY & OTHER COMPONENTS FROM IR'S GLOBAL SOURCES ASSEMBLY & TESTING AT INGERSOLL- AHMEDABAD	
		I			ELGI	COIMBATORE	A		UPTO 2830 CFM, AIR ENDS FROM HITACHI- JAPAN. ASSEMBLY AND TESTING AT ELGI COIMBATORE.	
		I			KIRLOSKER PNEUMATIC COMP LTD	PUNE	A		FLOW CAPACITY 45.3 NM3/MIN , AND PRESSURE RATING 9.3 KG/CM2	



Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
33	AIR DRYER	I			SUMMITS HYGRONICS	COIMBATORE	A		FOR REFRIGERANT DRYER, 11893 M3/HR , REGENERATIVE DRYERS BLOWER REACTIVATED TYPE 2123 M3/HR AND REGENERATIVE DRYERS HOC TYPE 5820 M3/HR	CAS
					MELLCON ENGRS PVT LTD	GR NOIDA	A		Refrigerant type 60 m3/hr & REGENERATIVE DRYERS HOC TYPE 2548 M3/HR	
					DELAIR INDIA LTD	GURGAON	A		Refrigerant type 7500 m3/hr & REGENERATIVE DRYERS HOC TYPE 3000 M3/HR	
					SUMESH PETROLEUM	VADODARA	A		100 CFM(169 M3/HR) & 7 KG/CM2	
					TRIDENT PNEUMATIC PVT LTD	COIMBATORE	A		Refrigerant type 10000 m3/hr & REGENERATIVE DRYERS BHR TYPE 1000 M3/HR	
34	SCREW CHILLER	II			KIRLOSKAR CHILLER	PUNE	A		UP TO 350TR	AC& VENTILATION
					DAIKIN	NEEMRANA	A		UP TO 185 TR	
					BLUE STAR (COMPRESSOR FROM HANBEL-TAIWAN)	WADA	A		SCREW CHILLER UP TO 282TR	
35	Mettalic Expansion Bellows	II			MB METTALIC BELLOWS	CHENNAI	A			MRHS
					SUR Industries	KOLKATA	A			
					LONE STAR	CHENNAI	A			
36	Conveying Compressor (Reciprocating)	I			KIRLOSKAR PNEUMATICS	PUNE	A			MRHS
					INGERSOLL RAND	AHEMDABAD	A			



Project/ परियोजना : SIPAT-III (1X800 MW)
Package/ पैकेज : EPC
Supplier/ आपूर्तिकर्ता:
Contract No./ अनुबंध सं.:

INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN
AND SUB-SUPPLIER APPROVAL

प्रस्तावित उप-प्रदाताओं के अनुमोदन सहित मदों की सूची

SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)

DOC. NO./ दस्तावेज सं.:

REV. NO.:

DATE/ तिथि : 26.06.2023

PAGE/ पृष्ठ :

S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
					ATLAS COPCO(CHICAGO PNEUMATIC BRAND)	PUNE	A			
37	ALLOY CAST IRON PIPE, FITTINGS AND LINER	I			CRAWLEY & RAY	KOLKATA	A			MRHS, AHP
					ALLIED FOUNDRIES	BELGAUM	A			
					PARAMOUNT CASTINGS	NAGPUR	A			
					NORTHERN ALLOY	BHAVNAGAR	A			
					MENON METALLIK	KOLHAPUR	A			
					KOLHAPUR STEEL	KOLHAPUR	A			
					AQUA ALLOY	KOLHAPUR	A			
					MARTO PEARL	HYDERABAD	A			
					R.R.L	HOWRAH	A			
					CONCAST ENGINEERING	BURDWAN, WB	A			
					NATRAJ IRON & CASTINGS	DHANBAD	A			
					ABHIPRIYA BUSINESS	PANT NAGAR	A			
					MELCO	FARIDABAD	A			



Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL प्रस्तावित उप-सुप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
38	DRY ASH UNLOADING CHUTE	I			MACAWBER BEEKAY	KESHWANA	A			AHP
					MINING AND MATERIAL HANDLING EQUIPMENT	KOLKATA	A			
					DCL	HYDERABAD	A			
39	BAG FILTER / SILO VENT FILTER	II			FLAKT	KOLKATA	A			AHP,MRHS
					ORIENT FANS (ACCO)	KOLKATA	A			
					THERMAX	PUNE	A			
					RIECO	PUNE	A			
					MELCO	FARIDABAD	A			
					MCNALLY SAYAJI	ASANSOL/KUMARD HUBI	A			
					MACAWBER BEEKAY	KESHWANA	A			
					TAP ENGINEERING	KANCHEEPURAM	A			
40	REFRIGERANT TYPE DRYER	I			SUMMITS HYGRONICS	COIMBATORE	A		Upto 11893 m3/hr	AHP
					TRIDENT	COIMBATORE	A		Upto 10000 m3/hr	
					MELLCON	GREATER NOIDA	A		Upto 7250 m3/hr	



Project/ परियोजना : SIPAT-III (1X800 MW)
Package/ पैकेज : EPC
Supplier/ आपूर्तिकर्ता:
Contract No./ अनुबंध सं.:

INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN
AND SUB-SUPPLIER APPROVAL

प्रस्तावित उप-प्रदाताओं के अनुमोदन सहित मदों की सूची

SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)

DOC. NO./ दस्तावेज सं.:

REV. NO.:

DATE/ तिथि : 26.06.2023

PAGE/ पृष्ठ :

S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप. अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
					DELAIR	GURGAON	A		Upto 7500 m3/hr	
					ATLAS COPCO	BELGIUM	A		Upto model FD 1200. ASSEMBLY AND TESTING AT PUNE	
41	VACUUM PUMP [WATER SEAL RING TYPE]	I			KAKATI KARSHAK	HYDERABAD	A			AHP
					AEROMATIC	AHEMDABAD	A		Size Upto 200 MM , Capacity 3924 m3/hr	
42	BASALT LINE PIPE & FITTING	I			DECCAN MECHANICAL & CHEMICAL	BARAMATI	A			AHP
					ENVIRO ABRASION	PUNE	A		CAST BASALT LINERS FROM SCHOLTEN GmbH-GERMANY	
					TURBO ENGINEERS	COIMBATORE	A		CAST BASALT LINERS FROM KALENBORN - GERMANY/POLAND OR EUTIT - Czech Republic	
					GOENKA CAST ENGINEERING(I) PVT LTD	DURG	A		UP TO 350 NB	
					BMW STEEL	ROORKEE	A		UP TO 550 NB	
43	SLURRY DUTY KNIFE GATE VALVE	I			BRAY CONTROLS INDIA PVT LTD, VAAS KNIFE GATE VALVE DIVISION	CHENNAI	A		UPTO PN 10 RATING	AHP
					FOURESS ENGINEERING	BANGALORE	A		UPTO PN 10 RATING	
					ORBINOX	COIMBATORE	A		UPTO PN 16 RATING	
					WEIR MINERALS	BANGALORE	A		UPTO 12" PN 10 RATING	
					BRAY CONTROLS INDIA PVT LTD, VAAS KNIFE GATE VALVE DIVISION	CHENNAI	A			



Project/ परियोजना : SIPAT-III (1X800 MW)
Package/ पैकेज : EPC
Supplier/ आपूर्तिकर्ता:
Contract No./ अनुबंध सं.:

INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN
AND SUB-SUPPLIER APPROVAL

प्रस्तावित उप-सप्लायर के अनुमोदन सहित मदों की सूची

SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)

DOC. NO./ दस्तावेज सं.:

REV. NO.:

DATE/ तिथि : 26.06.2023

PAGE/ पृष्ठ :

S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
44	FLY ASH DUTY KNIFE GATE VALVE	I			FOURESS ENGINEERING	BANGALORE	A			AHP
					ORBINOX	COIMBATORE	A			
					JASH SCHUTTE	INDORE	A			
45	CAST IRON PIPE	II			ELECTROSTEEL	CHENNAI	A		UPTO 450 NB	AHP
					KESORAM	KOLKATA	A		UPTO 350 NB	
					IISCO	KULTI	A			
					KAPILANSH DHATU UDYOG	NAGPUR	A		APPROVED UPTO 300 NB.	
					KUSHA LAVA	VIJAYWADA	A		FOR NON STD. SIZE	
46	ASH SLURRY PUMP	I			SAM INDUSTRIAL PUMPS	COIMBATORE	A			AHP
					WEIR MINERALS	AUSTRALIA	A		MANUFACTURING AT WEIR MINERALS BANGALORE	
47	AIR LOCK FEEDER VESSEL / BOTTOM ASH OVERFLOW TANK/MIXING TANK/COARSE ASH TANK/ AIR OIL CONVERTOR TANK, AIR INTAKE VALVE	II			MELCO	FARIDABAD	A			AHP
					MCNALLY SAYAJI	ASANSOL/KUMARD HUBI	A		AIR OIL TANK- ASANSOLE , AIR INTAKE VALVE - KUMARDUBHI	
					MACAWBER BEEKAY	KESHWANA	A			
					MCNALLY SAYAJI	ASANSOL/KUMARD HUBI	A			



Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL प्रस्तावित उप-सप्लायरों के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				
S. N. क्र.सं.	Item / मद	QP / Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप. अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति / श्रेणी (NOTE-1)	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
48	BOTTOM ASH HOPPER / BUFFER HOPPER/DUST COLLECTOR	I			MELCO	FARIDABAD	A		ONLY FOR BUFFER HOPPER AND DUST COLLECTOR	AHP
					MACAWBER BEEKAY	KESHWANA	A			
49	CLINKER GRINDER	I			MELCO	FARIDABAD	A			AHP
					MCNALLY SAYAJI	ASANSOL/KUMARD HUBI	A			
					L&T	KANSBAHAL	A			
					MACAWBER BEEKAY	KESHWANA	A			
50	FLY ASH HOPPERVALVE/ASH INTAKE VALVE/FLY ASH DIFFUSER / DRIVE ARRANGEMENT FOR CLINKER GRINDER	II			MELCO	FARIDABAD	A			AHP
					MCNALLY SAYAJI	ASANSOL/KUMARD HUBI	A			
					L&T	KANSBAHAL	A			
					MACAWBER BEEKAY	KESHWANA	A			
51	FLUIDIZING PAD / FLUSHING APPARATUS	I			MELCO	FARIDABAD	A			AHP
					MCNALLY SAYAJI	ASANSOL/KUMARD HUBI	A			
					L&T	KANSBAHAL	A			
					MACAWBER BEEKAY	KESHWANA	A			



Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL प्रस्तावित प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
52	FLY ASH STORAGE SILO/HCSO SILO	I			MCNALLY SAYAJI	ASANSOL/KUMARD HUBI	A			AHP
					MACAWBER BEEKAY	KESHWANA	A			
53	FEED SUMP / VACUUM BREAKER	I			MELCO	FARIDABAD	A			AHP
					MCNALLY SAYAJI	ASANSOL/KUMARD HUBI	A			
					MACAWBER BEEKAY	KESHWANA	A			
54	FLY ASH HEADER VALVE/BRANCH HEADER VALVE / AIR INTAKE VALVE /EQUALISING VALVE /PLUG GATE FOR SUMP ISOLATION	I			MELCO	FARIDABAD	A			AHP
					MCNALLY SAYAJI	KUMARDHUBI	A			
					L&T	KANSBAHAL	A			
					MACAWBER BEEKAY	KESHWANA	A			
55	HYDROMIX DUST CONDITIONER/ROTARY FEEDER	I			MELCO	FARIDABAD	A			AHP
					MCNALLY SAYAJI	ASANSOL/KUMARD HUBI	A			
					MACAWBER BEEKAY	KESHWANA	A			
					L&T	KANSBAHAL	A			
					EXPONENTIAL ENGINEERING	PUNE	A			



Project/ परियोजना : SIPAT-III (1X800 MW)
Package/ पैकेज : EPC
Supplier/ आपूर्तिकर्ता:
Contract No./ अनुबंध सं.:

INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN
AND SUB-SUPPLIER APPROVAL

प्रचालित प्रान तथा सब -वेडर के अनुमोदन सहित मदों की सूची

SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)

DOC. NO./ दस्तावेज सं.:

REV. NO.:

DATE/ तिथि : 26.06.2023

PAGE/ पृष्ठ :

S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप. अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
56	JET PUMP / JETTING NOZZLE	I			MELCO	FARIDABAD	A		JET PUMP / JETTING NOZZLE	AHP
					MCNALLY SAYAJI	ASANSOL/KUMARD HUBI	A		JET PUMP / JETTING NOZZLE	
					L&T	KANSBAHAL	A		JET PUMP	
					MACAWBER BEEKAY	KESHWANA	A		JET PUMP / JETTING NOZZLE	
57	COLLECTOR TANK / AIR WASHER / WETTING HEAD / SURGE / SETTLING TANK	I			MELCO	FARIDABAD	A			AHP
					MCNALLY SAYAJI	ASANSOL/KUMARD HUBI	A			
					MACAWBER BEEKAY	KESHWANA	A			
58	PLATE VALVE AT DYKE END	I			MELCO	FARIDABAD	A			AHP
					MCNALLY SAYAJI	ASANSOL/KUMARD HUBI	A			
					MACAWBER BEEKAY	KESHWANA	A			
59	DESSICANT TYPE AIR DRYER	I			DELAIR	GURGAON	A			AHP
					INDCON	DELHI	A			
					MELLCON	GREATER NOIDA	A			
					SUMMIT'S HYGRONICS	COIMBATORE	A			



Project/ परियोजना : SIPAT-III (1X800 MW)
Package/ पैकेज : EPC
Supplier/ आपूर्तिकर्ता:
Contract No./ अनुबंध सं.:

INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN
AND SUB-SUPPLIER APPROVAL

प्रस्तावित उप-प्रदाताओं के अनुमोदन सहित मदों की सूची

SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)

DOC. NO./ दस्तावेज सं.:

REV. NO.:

DATE/ तिथि : 26.06.2023

PAGE/ पृष्ठ :

S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
					TRIDENT	COIMBATORE	A			
60	STACKER RECLAIMER & RECLAIMER	I			MCNALLY	KUMARDHUBI / ASA	A			CHP
					L&T	KANCHEEPURAM	A			
					THYSENKRUPP	PUNE	A			
					ELECON	V V NAGAR	A			
					TRF	JAMSHEDPUR	A			
					SANDVIK	PUNE	A			
					PROMAC	BANGALORE	A			
					THYSENKRUPP	HYDERABAD	A		* Hyderabad works approved for some of assemblies for Stacker Reclaimer - Counter Weight Boom, Box and Bucket	
61	WAGON TIPPLER & SIDE ARM CHARGER	I			ELECON	V V NAGAR	A			CHP
					FAMAK S.A. (IN ASSOCIATION WITH	POLAND	A			
					L & T	KANSBAHAL	A			
					THYSENKRUPP	PUNE	A			
					TRF	JAMSHEDPUR	A			



Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL प्रस्तावित उप-प्रदाताओं के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप- आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप- आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप-आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
					PROMAC	BANGALORE	A			
62	APRON FEEDER WITH DRIBBLE CONVEYOR (	I			THYSSENKRUPP	HYDERABAD	A		UPTO 2400 TPH	CHP
					L&T	KANSBAHL	A		UPTO 2200 TPH	
					ELECON	VV NAGAR	A		UPTO 2200 TPH	
					TRF	JAMSHEDPUR	A		UPTO 2400 TPH Extended Warranty of 3 years over & above of contractual warranty on parts	
					MCNALLY SAYAJI	KUMARDHUBI	A		UPTO 2200 TPH	
63	RING GRANULATOR	I			PENNSYLVANIA CRUSHERCORPORATION	USA	A		UP TO 1760 TPH	CHP
					AMERICAN PULVERISER	USA	A		UPTO 1875 TPH	
					THYSSENKRUPP	PUNE	A		UP TO 2035 TPH	
					TRF	JAMSHEDPUR	A		UP TO 1800 TPH TRF shall give extended warranty of 5 years over & above Contractual	
					L&T	KANSBAHAL	A		UP TO 1600 TPH	
					ELECON	V V NAGAR	A		UP TO 1320 TPH	
					MCNALLY SAYAJI	KUMARDHUBI	A		UPTO 1000 TPH	
					TECHNO VIBRAZIONI	ITALY	A		UPTO 1875 TPH	



Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL प्रचालित प्रणाली तथा सब-वैडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
64.A	VIBRATING SCREEN FEEDER	I			ELECON	V V NAGAR	A		UP TO 1320 TPH	CHP
					GENERAL KINEMATICS	USA	A		UP TO 2000TPH	
					THYSENKRUPP	PUNE	A		UP TO 2035 TPH	
					TRF	JAMSHEDPUR	A		UP TO 1800 TPH TRF shall give extended warranty of 5 years over & above Contractual	
					MCNALLY SAYAJI	KUMARDHUBI	A		UPTO 1210 TPH	
64.B	VIBRATING FEEDER	I			TECHNO VIBRAZIONI	ITALY	A		UPTO 1875 TPH	CHP
					ELECON	V V NAGAR	A		UP TO 1320 TPH	
					GENERAL KINEMATICS	USA	A		UP TO 2000TPH	
					THYSENKRUPP	PUNE	A			
					TRF	JAMSHEDPUR	A		UP TO 1800 TPH TRF shall give extended warranty of 5 years over & above Contractual	
					MCNALLY SAYAJI	KUMARDHUBI	A		UPTO 1210 TPH	
					INTERNATIONAL COMBUSTION	NAGPUR	A			
					Electro Zavod	Kolkata	A		UPTO 400TPH	
					Elektromag Joest	Vapi	A		UP TO 750 TPH	



Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL प्रस्तावित उप-सुप्लायरों के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप. अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति / श्रेणी (NOTE-1)	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
65	TRAVELLING TRIPPER	I			BENGAL TOOLS	KOLKATA	A			CHP
					THYSSENKRUPP	PUNE / HYDERABAD	A			
					ELECON	V V NAGAR	A			
					MBE	KUMARDHUBI	A			
					TRF	JAMSHEDPUR	A			
					HMTC	KOLKATA	A			
					L & T - MACNIL	CHENNAI	A			
					L & T	KANSBAHAL	A			
					L & T - EWL	KANCHEEPURAM	A			
					PHOENIX CONVEYOR BELT	KOLKATA	A		FABRIC BELT UPTO 2200 MM WIDTH, STEEL CORD BELT (FR GRADE UPTO 2400 MM WIDTH)	
					IMASS S.A	GREECE	A		FABRIC BELT UPTO 2400 MM WIDTH , STEEL CORD BELT (FR GRADE UPTO 2400 MM WIDTH	
					MRF	CHENNAI	A		FABRIC BELT UPTO 1600 MM WIDTH	
					SEMPELTRAN NIRLON	MUMBAI	A		FABRIC BELT UPTO 1600 MM WIDTH	
					HINDUSTAN RUBBER	SILVASA	A		FABRIC BELT UPTO 1600 MM WIDTH	



Project/ परियोजना : SIPAT-III (1X800 MW)
Package/ पैकेज : EPC
Supplier/ आपूर्तिकर्ता:
Contract No./ अनुबंध सं.:

**INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN
AND SUB-SUPPLIER APPROVAL**

प्रचालित होने तथा सब-वेंडर के अनुमोदन सहित मदों की सूची

SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)

DOC. NO./ दस्तावेज सं.:

REV. NO.:

DATE/ तिथि : 26.06.2023

PAGE/ पृष्ठ :

S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
66	FABRIC BELTING(FR GRADE) / STEEL CORD BELTING(FR GRADE)	I			NORTHLAND RUBBER	SONEPAT	A		FABRIC BELT UPTO 2200 MM WIDTH.	CHP, LHP/GHP
					SOMI CONVEYOR	JODHPUR	A		FABRIC BELT UPTO 2000 MM WIDTH	
					RAVASCO TRANSMISSION LTD.	VAPI	A		FABRIC BELT UPTO 2200 MM WIDTH	
					ORIENTAL RUBBER	PUNE	A		FABRIC BELT UPTO 2200 MM WIDTH , STEEL CORD BELT (FR GRADE UPTO 2000 MM WIDTH)	
					FORECH	CHENNAI	A		FABRIC BELT UPTO 2000 MM WIDTH , STEEL CORD BELT (FR GRADE UPTO 2200 MM WIDTH)	
					CAMOPLAST	KOREA	A		STEEL CORD FR GRADE UPTO 2400 MM WIDTH	
					YOKOHAMA	JAPAN	A		FABRIC BELT UPTO 2400 MM WIDTH , STEEL CORD BELT (FR GRADE UPTO 2400 MM WIDTH)	
67	IDLERS	I			ELECON	V V NAGAR	A			CHP , LHP/GHP
					MBE	KUMARDHUBI	A			
					KALI	KUMBAKONAM	A			
					AMPS	JAMSHEDPUR	A			
					A.ADAK	HOWRAH	A			
					BTL EPC	KOLKATA	A			
					V V N MFG	V V NAGAR	A		Upto 150 NB Dia	



Project/ परियोजना : SIPAT-III (1X800 MW)
Package/ पैकेज : EPC
Supplier/ आपूर्तिकर्ता:
Contract No./ अनुबंध सं.:

INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN
AND SUB-SUPPLIER APPROVAL

प्रचालित प्रान तथा सब –वेडर के अनुमोदन सहित मदों की सूची

SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)

DOC. NO./ दस्तावेज सं.:

REV. NO.:

DATE/ तिथि : 26.06.2023

PAGE/ पृष्ठ :

S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
					THYSSENKRUPP	HYDERABAD / PUNE	A			
					PROMAC	BANGALORE	A			
					L & T - EWL	KANCHEEPURAM	A			
					ROLLWELL	HINDUPUR	A			
					TRF	JAMSHEDPUR	A			
68	PULLEYS	I			ELECON	V V NAGAR	A			CHP, LHP/GHP
					PROMAC	BANGALORE	A			
					MBE	KUMARDHUBI	A			
					BTL EPC	KOLKATA	A			
					TNS HEAVY	CHENNAI	A			
					KALI	THIRUBUVANAM	A			
					THYSSENKRUPP	HYDERABAD / PUNE	A			
					L & T - EWL	KANCHEEPURAM	A			
					V V N MFG	V V NAGAR	A		Upto 800 NB Dia	



Project/ परियोजना : SIPAT-III (1X800 MW)
Package/ पैकेज : EPC
Supplier/ आपूर्तिकर्ता:
Contract No./ अनुबंध सं.:

INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN
AND SUB-SUPPLIER APPROVAL

प्रस्तावित उप-प्रदाताओं के अनुमोदन सहित मदों की सूची

SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)

DOC. NO./ दस्तावेज सं.:

REV. NO.:

DATE/ तिथि : 26.06.2023

PAGE/ पृष्ठ :

S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
					ROLLWELL	HINDUPUR	A			
					TRF	JAMSHEDPUR	A			
69	HELICAL GEARBOX	I			SHANTI GEARS	COIMBATORE	A		Upto size 560	CHP, LHP/GHP
					ELECON	V V NAGAR	A			
					SIEMENS (FLENDER)	KHARAGPUR	A			
					PREMIUM TRANSMISSION LTD	PUNE/FALTA	A		Up to size 710 / 450	
					SIEMENS (FLENDER)	GERMANY	A			
					NEW ALLENBURY WORKS	KOLKATA	A			
70	PLANETARY GEARBOX	I			ELECON	V V NAGAR	A			CHP,LHP/GHP
					SIEMENS (FLENDER)	GERMANY	A			
					MOVENTAS	GERMANY	A			
					DANA MOTION SYSTEMS ITALIA S.p.A	ITALY	A		(Earlier name - BREVINI)	
					MAGTORQ	HOSUR	A		Upto 11 KW	
					SEW EURODRIVE GMBH & CO.	GERMANY	A			



Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL प्रस्तावित उप-सप्लायरों के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
71	FLUID COUPLING (SCOOP AND TRACTION TYPE)	I			FLUIDOMAT	DEWAS	A		Scoop type upto SC-1330	CHP,LHP/GHP
					PTL	AURANGABAD	A		SCOOP TYPE UPTO PST 1150	
					ELECON	V V NAGAR	A		Scoop type upto model ESC 760. 1. As part of Type test M/s Elecon will demonstrate Scoop tube in & Scoop	
					VOITH	HYDERABAD	A		SCOOP TYPE UPTO SVNL 1330	
72	SLEW RING	III			TITANUS	SOUTH AFRICA	A			CHP, LHP/GHP
					IMO	GERMANY	A			
					SKF	FRANCE	A			
					ROTHERDE	GERMANY	A			
					LIEBHERR	GERMANY	A			
73.A	COAL SAMPLER SYSTEM	I			EAST MAN CRUSHER	KOLKATA	A		WITH JEFFREY CRUSHER AND EASTMAN MAKE CRUSHER	CHP
					ERIEZ MAG EUROPE LTD	UK	A			
					SIEVE TECHNIK	GERMANY	A		MANUFACTURING OF PRIMARY & SECONDARY SAMPLER AN BOTLLE COLLECTOR AT MULTOTEC SA	
					THERMO RAMSAY INC	USA	A			
					ADVANCE SYSTEMS SAMPLING	KOLKATA	A		WITH JEFFREY CRUSHER AND ADVANCE MAKE CRUSHER	



Project/ परियोजना : SIPAT-III (1X800 MW)
Package/ पैकेज : EPC
Supplier/ आपूर्तिकर्ता:
Contract No./ अनुबंध सं.:

**INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN
AND SUB-SUPPLIER APPROVAL**

प्रचालित होने तथा सब-वेंडर के अनुमोदन सहित मदों की सूची

SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)

DOC. NO./ दस्तावेज सं.:

REV. NO.:

DATE/ तिथि : 26.06.2023

PAGE/ पृष्ठ :

S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप. अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
73.B	LIMESTONE SAMPLING SYSTEM	I			EAST MAN CRUSHER	KOLKATA	A		WITH JEFFREY CRUSHER AND EASTMAN MAKE CRUSHER	LHP/GHP
					ERIEZ MAG EUROPE LTD	UK	A			
					SIEVE TECHNIK	GERMANY	A		MANUFACTURING OF PRIMARY & SECONDARY SAMPLER AN BOTLLE COLLECTOR AT MULTOTEC SA	
					THERMO RAMSAY INC	USA	A			
					ADVANCE SYSTEMS SAMPLING	KOLKATA	A		WITH JEFFREY CRUSHER AND ADVANCE MAKE CRUSHER	
74	HYDRAULIC POWER PACK	I			EATON POWER	PUNE	A			CHP, LHP/GHP
					BOSCH-REXROTH	AHMEDABAD	A			
					MAHA HYDRAULICS	CHENNAI	A			
					L & T HYDRAULICS	BANGALORE	A		EXCEPT FOR STACKER RECLAIMER	
					Hydac	COIMBATORE	A			
75	HYDRAULIC CYLINDER	I			VELJAN	HYDERABAD	A			CHP, LHP/GHP
					WIPRO	BANGALORE	A			
					EATON POWER	PUNE	A			
					L & T HYDRAULICS	BANGALORE	A			



Project/ परियोजना : SIPAT-III (1X800 MW)
Package/ पैकेज : EPC
Supplier/ आपूर्तिकर्ता:
Contract No./ अनुबंध सं.:

**INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN
AND SUB-SUPPLIER APPROVAL**

प्रस्तावित उप-प्रदाताओं के अनुमोदन सहित मदों की सूची

SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)

DOC. NO./ दस्तावेज सं.:

REV. NO.:

DATE/ तिथि : 26.06.2023

PAGE/ पृष्ठ :

S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
					BOSCH-REXROTH	AHMEDABAD	A			
					Hydac	COIMBATORE	A			
76	HYDRAULIC MOTOR	I			POCLAIN HYDRAULICS	FRANCE	A			CHP , LHP/GHP
					BOSCH-REXROTH AB (FORMERLY H	SWEDEN	A			
					PARKER CALZONI	ITALY	A			
					MAHA HYDRAULICS	CHENNAI	A		UP TO 100 LITRE CAPACITY	
					KAWASAKI	UK	A			
77	HAMMER MILL CRUSHER FOR LIME STONE HANDLING SYSTEM	I			INTERNATIONAL COMBUSTION	NAGPUR	A			LHP/GHP
					MCNALLY SAYAJI	BARODA	A			
					MCNALLY SAYAJI	KUMARDHUBI	A			
					ELECON	V V NAGAR	A			
					THYSSENKRUPP INDUSTRIES INDIA	PUNE	A			
					ECOMAN	BARODA	A		UPTO 150TPH	
					INDIANA GRATINGS PVT. LTD.	PUNE	A			



Project/ परियोजना : SIPAT-III (1X800 MW)
Package/ पैकेज : EPC
Supplier/ आपूर्तिकर्ता:
Contract No./ अनुबंध सं.:

**INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN
AND SUB-SUPPLIER APPROVAL**

प्रस्तावित उप-प्रदाताओं के अनुमोदन सहित मदों की सूची

SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)

DOC. NO./ दस्तावेज सं.:

REV. NO.:

DATE/ तिथि : 26.06.2023

PAGE/ पृष्ठ :

S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
					JINDAL STEEL & POWER LTD.	RAIGARH	A			
					BABY ENGG. PVT. LTD.	TRICHY	A			
					REGIONAL ENGG. WORKS	TRICHY	A			
					AJANTHA FABS	MATHURA	A			
					CAPACITE STRUCTURES LTD.	THANE	A			
					MIURA INFRASTRUCTURE PVT. LTD.	BHILAI	A			
					SHIVAM HITECH STEELS PVT. LTD	BHILAI	A			
					TECHNOFAB MANUFACTURING LTD.	CHENNAI	A			
					JSW SEVERFIELD STRUCTURES LTD(JSSL)	BELLARY	A			
					ALLIANCE INTEGRATED METALIKS LTD(AIML)	RAJPURA	A			
					ATMASTCO PVT LTD	DURGAPUR	A			
					APEX BUILDSYS LTD	NAGPUR	A			
					COREFAB PROJECTS PVT LTD	BHILAI	A			
					KOTHARI CHEMICALS	BHILAI	A			



Project/ परियोजना : SIPAT-III (1X800 MW)
Package/ पैकेज : EPC
Supplier/ आपूर्तिकर्ता:
Contract No./ अनुबंध सं.:

INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN
AND SUB-SUPPLIER APPROVAL

प्रस्तावित प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची

SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)

DOC. NO./ दस्तावेज सं.:

REV. NO.:

DATE/ तिथि : 26.06.2023

PAGE/ पृष्ठ :

S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
78	SHOP FABRICATED STRUCTURE	I			FEDDERS LLOYD CORPORATION LTD	SIKANDRABAD	A			CHP/LHP/GHP
					ARCELOR MITTAL DHAMM PROCESSING PVT LTD	RANIPET	A			
					ARTSON ENGINEERING	NASIK	A			
					ARTSON ENGINEERING	NAGPUR	A			
					HEAVY ENGINEERING WORKS	REWA, MP	A			
					ARCELORMITTAL NIPPON STEEL INDIA LTD	CHENNAI	A			
					TRIDENT FABRICATORS PVT LTD	ROURKELA	A			
					GREAT INDIA STEEL FABRICATORS	YAMUNA NAGAR	A			
					METALFAB HITECH	NAGPUR	A			
					SUPERTECH INDIA	G.NOIDA	A			
					GOODLUCK STEEL	SIKANDRABAD	A			
					BTL	KOLKATA	A			
					BTL	DURGAPUR	A			
					AMIYA COMMERCE	KOLKATA	A			



Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL प्रस्तावित उप-आपूर्तिकर्ता के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप. अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप-आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप-आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub-supplier Details submission schedule/ उप-आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
					NAMDHARI INDUSTRIAL	LUDHIANA	A			
					THYSSENKRUPP INDUSTRIES INDIA	HYDERABAD	A			
79	Steel Cord Pipe Conveyor (FR Grade)	I			Phonix Cnoveyor belt	Kolkata	A		Upto 2400 MM B/w	
					Oriental Rubber	Pune	A		Upto 2000 MM B/w	
					Forech India Pvt Ltd	Cheyar	A		Upto 2200 MM B/w	
80	PIPE-SS ASTM A 312	II			REMI	TARAPUR	A		ERW UPTO 400 NB,SEAMLESS UP TO 200NB	
					RATNAMANI	MEHSANA	A		ERW UPTO 500 NB, SEAMLESS UPTO 50 NB ONLY	
					RATNAMANI	KUTCH	A		ERW UPTO 400 NB, SEAMLESS UPTO 50 NB ONLY, ARC WELDED UP TO 450NB	
					BHANDARI FOILS & TUBES LIMITED	DEWAS	A		ERW UP TO 300NB	
					APEX	BEHRORE	A		ERW UPTO 400 NB, SEAMLESS UPTO 50 NB.	
					PRAKASH STEELAGE	SILVASA	A		ERW UP TO 203NB	
					SHUBHLAXMI METALS AND TUBES	UMBERGAON	A		SEAMLESS UP TO 150MM and ERW UP to 250 NB Sch 40S	
81	PIPE-SS SEAMLESS ASTM A 106	II			ISMT	AHMADNAGAR	A		UPTO 273 MM OD	
					ISMT	BARAMATI	A		UPTO 273 MM OD	



	Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्रवालिटि प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :			
	S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी
81	PIPE-SS SEAMLESS ASTM A106	II			REMI	BHARUCH	A		UPTO 177.8 MM OD	
					MAHARASHTRA SEAMLESS	RAIGAD	A		UPTO 500 NB	
82	HCSD PUMP	I			WEIR MINERALS	NETHERLANDS	A			
					ABEL	GERMANY	A			
					FELUWA	GERMANY	A			
ITEM WITH MAIN CONTRACTOR / BIS APPROVED SOURCES.										
1	BRANCH PIPE , COUPLING & NOZZLE (SS & GM)	II			BIS APPROVED SOURCES WITH VALID BIS LICENSE					FDPS
2	FIRE EXTINGUISHER	II			BIS APPROVED SOURCES WITH VALID BIS LICENSE					FDPS
3	WATER MONITOR	II			BIS APPROVED SOURCES WITH VALID BIS LICENSE					
4	PIPES-MS- (BLACK/ GI) AS PER IS:1239 & IS:3589 UPTO 1000 NB	II			(BIS MARKED, MANUFACTURERS WITH VALID BIS LICENSE)					WTP,CW,CT,CPU,FDP S,AC&VENTILATION, CHP,LHP&GHP,AHP
5	FIRE HOSE	II			BIS APPROVED SOURCES WITH VALID BIS LICENSE					FDPS
6	HYDRANT VALVE	II			BIS APPROVED SOURCES WITH VALID BIS LICENSE					FDPS
7	PIPES FOR IDLERS IS 9295	III			BIS APPROVED SOURCES WITH VALID BIS LICENSE					
8	BLOWERS -CENTRIFUGAL >=5KW	II			MAIN CONTRACTOR APPROVED SOURCES					WTP

	Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:	INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची				DOC. NO./ दस्तावेज सं.:				
		SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
9	CIO2 GENERATOR	II			MAIN CONTRACTOR APPROVED SOURCES					WTP
10	JOINT /FITTING COATING MATERIAL(SLEEVE) FOR 3 LPE PIPES	II			MAIN CONTRACTOR TO PROPOSED VENDOR FOR NTPC APPROVAL					MUW
11	PIPING FABRICATION -HP>300PSI	II			MAIN CONTRACTOR APPROVED SOURCES					WTP,CPU
12	PUMP-METERING/DOSING	II			MAIN CONTRACTOR APPROVED SOURCES					WTP,CPU
13	PUMP - PP- ACID/ ALKALI UNLOADING	II			MAIN CONTRACTOR APPROVED SOURCES					WTP,CPU
14	PUMPS-SCREW TYPE	II			MAIN CONTRACTOR APPROVED SOURCES					WTP,CPU,FOH
15	RUBBER LINING OF TANKS/ VESSELS/ PIPES/ VALVES/FITTINGS	II			MAIN CONTRACTOR APPROVED SOURCES					WTP,CPU
16	RO PRESSURE TUBE	II			MAIN CONTRACTOR APPROVED SOURCES					WTP
17	TUBE SETTLER MEDIA	II			MAIN CONTRACTOR APPROVED SOURCES					WTP
18	WRAPPING & COATING MATERIAL -ANTI CORROSIVE TAPE	II			MAIN CONTRACTOR APPROVED SOURCES					CW,CT,LP PIPING, FDPS
19	FAN CYLINDER SEGMENTS-FRP-COOLING TOWER	II			MAIN CONTRACTOR APPROVED SOURCES					CT
20	FILLS (PVC)	II			MAIN CONTRACTOR APPROVED SOURCES					CT
21	SHAFT-CARDON TYPE-CW PUMP	II			MAIN CONTRACTOR APPROVED SOURCES					CW
22	DUST EXTRACTION SYSTEM	I			MAIN CONTRACTOR's APPROVED SOURCES				BOIs SHALL BE FROM NTPC APPROVED SOURCES	CHP, LHP/GHP

	Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:	INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL त्र्यालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				
	S. N. क्र.सं.	Item / मद	QP / Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी
23	DUST SUPPRESSION SYSTEM (PLAIN WATER)	I			MAIN CONTRACTOR's APPROVED SOURCES				BOIs SHALL BE FROM NTPC APPROVED SOURCES	CHP, LHP/GHP
24	DUST SUPPRESSION SYSTEM (DRY FOG)	I			MAIN CONTRACTOR's APPROVED SOURCES				BOIs SHALL BE FROM NTPC APPROVED SOURCES	CHP, LHP/GHP
Note-1 Items for which Sub-QR is envisaged, vendors are accepted subject to Sub-QR clearance from NTPC Engg.										
A – For these items proposed vendor is acceptable to NTPC. To be indicated with letter “A” in the list along with the condition of approval, if any./ इन मदों के लिए प्रस्तावित वेंडर एनटीपीसी को स्वीकार्य है। अनुमोदन की शर्त , यदि कोई हो, के साथ-साथ पत्र "क" में इंगित किया जाए।										
DR – For these items “Detailed required” for NTPC review. To be identified with letter “DR” in the list. एनटीपीसी द्वारा इन मदों की समीक्षा के लिए "विस्तृत ब्यौरे की आवश्यकता" होगी। सूची में "DR" पत्र में इंगित किया जाना चाहिए।										
QP / INSPECTION CATEGORY:										
CAT-I / श्रेणी- I: For these items the Quality Plans are approved by NTPC and the final acceptance will be on physical inspection witness by NTPC. इन मदों के लिए गुणवत्ता योजनाओं को एनटीपीसी द्वारा अनुमोदित किया जाता है और एनटीपीसी द्वारा अंतिम स्वीकृति भौतिक निरीक्षण के दौरान उपलब्ध गवाह के आधार पर दी जाएगी।										
CAT-II / श्रेणी- II: For these items the Quality Plans approved by NTPC. However no physical inspection shall be done by NTPC. The final acceptance by NTPC shall be on the basis review of documents as per approved QP. इन मदों के लिए गुणवत्ता योजनाओं को एनटीपीसी द्वारा अनुमोदित किया जाता है। हालाँकि एनटीपीसी द्वारा कोई भौतिक निरीक्षण नहीं किया जाएगा। एनटीपीसी द्वारा अंतिम स्वीकृति अनुमोदित क्यूपी के अनुसार दस्तावेजों की समीक्षा के आधार पर दी जाएगी।										
CAT-III/ श्रेणी-III : For these items Quality control to be exercised as per Main contractor Quality Assurance System. The final acceptance by NTPC shall be on the basis of Certificate of Conformance (COC) by Main Contractor.										
UNITS/WORKS इकाईयां / कार्य: Place of manufacturing/ निर्माण का स्थान Place of Main Supplier of multi units/works/बहु- इकाइयों / कार्यों के मुख्य सप्लायर का स्थान.										
FORMAT NO./ प्रारूप सं: QS-01-QAI-P-1B/F1-R0										Engg. Div. / QA&I

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL इवालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 09.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
1	GENERATOR	CAT I								
					BHEL	Haridwar	A			
					Siemens	Germany	A			
					GE	Sanand	A			
					GE	POLAND	A			
					MELCO	JAPAN	A			
					LMTG	Hazira	A			
					Hitachi	Japan	A			
					Toshiba	Japan	A			
					TJPS	Chennai	A			
2	IPBD	CAT I								
					BHEL	Rudrapur	A			
					C&S ELECTRIC	Haridwar	A			
3	Power Transformers	CAT I								
					ABB	Sweden	A		Up to 765 KV Class	
					ABB	Vadodara	A		Up to 765 KV Class	
					Toshiba	Japan	A		Up to 765 KV Class	
					CG Power & Industrial Solutions Ltd	Mandideep	A		Up to 765 KV class	
					BHEL	Bhopal	A		Up to 400 KV Class	
					Siemens	Mumbai	A		Up to 400 KV Class	
					GE T&D India Limited	Naini	A		Up to 400 KV Class	
					GE T&D India Limited	Vadodara	A		Up to 765 KV Class	
					TELK	Angamally	A		Up to 400 KV Class	
4	Shunt Reactor	CAT I								
					ABB	Sweden	A		Up to 765 KV Class	
					ABB	Vadodara	A		Up to 765 KV Class	
					Toshiba	Japan	A		Up to 765 KV Class	
					CG Power & Industrial Solutions Ltd	Mandideep	A		Up to 765 KV class	
					BHEL	Bhopal	A		Up to 400 KV Class	
					Siemens	Mumbai	A		Up to 400 KV Class	
					GE T&D India Limited	Vadodara	A		Up to 765 KV Class	
					GE T&D India Limited	Naini	A		Up to 400 KV Class	
5	Auxiliary Oil Filled Transformers	CAT I								
					BHEL	Jhansi	A		Up to 220 KV Class	
					Indotech Transformers	Chennai	A		Up to 16 MVA, 11 KV Class	
					Kanohar	Meerut	A		Upto 16 MVA, 33 KV Class	
					Kirloskar Electric Company Limited	Mysore	A		Up to 16 MVA, 33 KV Class	
					Schneider	Vadodara	A		Up to 50MVA, 132 KV Class	
					Transformers & Rectifiers Ltd.	Ahmedabad	A		Upto 90 MVA, 132 KV Class	
					Voltamp	Savli	A		Up to 3.5 MVA, 33 KV Class	
6	LT Switchgear -Floor mounted Draw out type indoor switchgear Panel (MCC etc.)	CAT I								
					Schneider (formerly L&T)	Mumbai / Coimbatore/ Ahmednagar	A			
					C&S Electric	Noida / Haridwar	A			
					Schneider	Nasik	A		ACB from Schneider, France	
					Siemens	Kalwa	A		Conditions apply	
					Schneider	Vadodara	A			
7	LT Switchgear - Floor mounted Fixed type indoor LT Switchgear Panel (ACDB / DCDB)	CAT I								
					Schneider (formerly L&T)	Mumbai / Coimbatore/Ahmednagar	A			
					C&S Electric	Noida/ Haridwar	A			
					Schneider	Nasik	A			

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 09.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
					Siemens	Kalwa	A			
					Schneider	Vadodara	A			
8	11KV/3.3KV Switchgear- (MV Switchgear Panel)	CAT I								
					BHEL	Bhopal	A		Upto 33KV	
					Megawin	Salem	A		Upto 33KV	
					Schneider Electric India (Formerly L&T)	Ahmednagar	A		Upto 33KV	
					Siemens	Mumbai	A		Upto 33KV	
					ABB	Nasik	A		Upto 33KV	
					Schneider (Salt lake works)	Kolkata	A		Upto 11KV	
					Schneider	Vadodara	A		Upto 11KV	
8.1	Fast Bus Transfer panel along with relay	CAT I								
					Aartech	Parwanoo	A		conditions apply	
					ABB	Vadodara	A		conditions apply	
					SEL	Delhi	A		conditions apply	
9	HT Motor									
9.1	HT Motors (CW PUMP MOTOR)	CAT I								
					WEG	BRAZIL	A		UPTO 3405KW,11KV	
					HYOSUNG	S.KOREA	A		UPTO 2800KW,6.6KV	
					BHEL	BHOPAL	A			
9.2	HT MOTORS (BFP Motor)	CAT I								
					HYOSUNG	SOUTH KOREA	A		UPTO 11KV 13.5 MW	
					BHEL	BHOPAL	A		RQP	
					HYUNDAI	SOUTH KOREA	A		UPTO 11KV 17 MW	
9.3	HT MOTORS (ID Fan Motors)	CAT I								
					HYOSUNG	SOUTH KOREA	A		UPTO 11KV 13.5 MW	
					WEG	HOSUR	A		UPTO 11KV 14 MW	
					BHEL	BHOPAL	A		RQP	
					HYUNDAI	SOUTH KOREA	A		UPTO 11KV 17 MW	
					TMEIC	BENGALURU	A		UPTO 11 KV 5000 KW	
9.4	HT MOTOR FOR OTHER EQUIPMENTS	CAT - I								
					HYOSUNG	KOREA	A		UPTO 11KV 13.5 MW	
					WEG	BRAZIL	A		UPTO 11KV 2150 KW	
					WEG	HOSUR	A		UPTO 11KV 14 MW	
					BHEL	BHOPAL	A		RQP	
					HYUNDAI	KOREA	A		UPTO 11KV 17 MW	
					TECO	TAIWAN	A		UPTO 11KV 12 MW	
					TMEIC	JAPAN	A		UPTO 11KV 14 MW	
					CONVERTEAM	FRANCE	A		UPTO 11KV 18 MW (*DOCUMENTS FOR NAME CHANGE TO GE CONVERTEAM SHALL BE SUBMITTED FOR APPROVAL)	
					ABB	VADODARA	A		UPTO 6.6KV 2500 KW 11KV 2000 KW FOR PUMP/ FAN/ COMPRESSOR UPTO 6.6KV 750KW FOR MILL, UPTO 6.6 KV 1300KW FOR CRUSHER WITH SCOOP COUPLING	
					IJLIN	KOREA	A		UPTO 11KV 2900 KW, 6.6KV 2500 KW	
					JYOTI	VADODARA	A		UPTO 6.6 KV 2250 KW EXCEPT CRUSHER & MILL APPLICATION	
					MARATHON	KOLKATA	A		RQP, UPTO 6.6 KV 1300 KW FOR CRUSHER WITH SCOOP COUPLING & 11 KV 1600 KW FOR OTHER APPLICATION EXCEPT CRUSHER & MILL	
					CGL (D5 INDUSTRIAL AREA)	MANDIDEEP	A		UPTO 1650 KW 6.6 KV, 1350 KW 11 KV FOR PUMP, FAN, COMPRESSOR. UPTO 3.3 kV 335 kW WITH FLEXIBLE COUPLING FOR MILL APPLICATION	
					CGL(PLOT 9)	MANDIDEEP	A		UPTO 11 KV 4MW FOR PUMP/FAN/COMPRESSOR	
					CG ELECTRIC SYSTEM	HUNGARY	A		UPTO 3.3 KV 1100 KW	

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL इवालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 09.05.2023 SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
10	H.T. CABLE upto 33KV	CAT I			TMEIC	BENGALURU	A		UPTO 11 KV 5000 KW	
					Apar Industries	Umbergaon	A			
				Gemscab	Bhiwadi	A				
				Gupta Power	Kashipur	A				
				Havells India Ltd.	Alwar	A				
				KEC International	Vadodara	A				
				KEI Industries	Bhiwadi	A				
				Krishna Electrical Industries Ltd	Gwalior	A		Up to 11KV only		
				Polycab Wires Pvt. Ltd	Daman	A				
				Sri ram Cables	Bhiwadi	A		Up to 11KV only		
				Tirupati Plastomatics	Jaipur	A		Up to 11KV only		
				Torrent Cable Ltd	Nadaid	A				
				CMI	Baddi	A				
11	1.1 KV LT Power Cables (Type- XLPE Insulated, PVC sheathed (incl FRLS)	CAT I			Universal Cable Ltd.	Satna	A			
					Advance Cable	Bengaluru	A			
				Apar Industries Ltd	Umbergaon	A				
				Cords Cables	Bhiwadi	A				
				CMI	Baddi	A				
				Delton Cable Ltd	Faridabad	A				
				Dynamic Cables	Jaipur	A				
				Gemscabs Industries	Bhiwadi	A				
				Gupta Power Cables	Khurda	A				
				Havells India Ltd.	Alwar	A				
				KEC International	Silvassa , Mysore	A				
				KEI Industries	Bhiwadi	A				
				Paramount Cable	Khushkhhera	A				
				Polycab Wires Pvt. Ltd	Daman	A				
				Ravin Cables	Pune	A				
				Special Cables	Rudrapur	A				
				Suyog Cables	Vadodara	A				
				Thermocables	Hyderabad	A				
				Tirupati Plastomatics	Jaipur	A				
				Torrent Cable Ltd	Nadiad	A				
				Universal Cable Ltd.	Satna	A				
12	LT Control Cable 1.1 KV, Type - PVC (incl FRLS)	CAT II							For cable total quantity above 10 km per size/type- Cat-III	
					Advance Cable	Bengaluru	A			
				Apar Industries Ltd	Umbergaon	A				
				Cords Cables	Bhiwadi	A				
				CMI	Faridabad	A				
				CMI	Baddi	A				
				Delton Cable Ltd	Faridabad	A				
				Elkay Telelink	Faridabad	A				
				Gemscabs Industries	Bhiwadi	A				
				Goyoline Fibres (I) Ltd	Daman	A				
				Gupta Power Cables	Khurda	A				
				Havells India Ltd.	Alwar	A				
				KEC International	Silvassa , Mysore	A				
				KEI Industries	Bhiwadi	A				
				Paramount Cable	Khushkhhera	A				
				Polycab Wires Pvt. Ltd	Daman	A				
				Ravin Cables	Pune	A				
				Special Cables	Rudrapur	A				

एनटीपीसी NTPC		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 09.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
					Suyog Cables	Vadodara	A			
					Thermocables	Hyderabad	A			
					Tirupati Plastomatics	Jaipur	A			
					Torrent Cable Ltd	Nadiad	A			
					Universal Cable Ltd.	Satna	A			
13	EHV Cables	CAT I								
					Iljin Electric	South Korea	A		For 132KV & 220 KV only	
					KEC International	Vadodara	A		Upto 220KV	
					KEI Industries	Bhiwadi	A		Upto 132KV , 220KV	
					Phelps Dodge	Bangkok	A		For 132 KV only	
					LS CABLE & SYSTEM LTD	South Korea	A		Up to 400 KV	
					LS CABLE & SYSTEM LTD	BHIWADI	A		Up to 132 KV	
					Universal Cable Ltd.	Satna	A		Upto 132KV only	
14	DG SET(ASSMEBLER & TESTING)	CAT I								
					Kohler	Singapore	A		Up to 1500 KVA ,11KV	
					CLLS	Singapore	A		Up to 1250 KVA, 415 V,	
					Powerica	Silvasa	A		Up to 2000 KVA, 415 V & 1500 KVA, 11 KV	
					Jakson Unit-II	Kathua	A		Up to 11KV, 1500KVA	
					Jakson	Kathua	A		Up to 415 V, 2000 KVA	
					Sterling Generators Pvt Ltd	Silvasa	A		Up to 415 V 2000 KVA	
					Supernova	Rajpur	A		Up to 415 V 2000 KVA	
14.1	ALTERNATOR	CAT I								
					Kirloskar Electric	Bangalore	A		415 V alternators	
					Cummins Generator Technology (Stamford)	U.K	A		415 V & 11 KV alternators	
					Leroy Somer	France	A		Up to 11KV alternator 3500 kW	
					Marathan	USA	A		Alternators for up to 415 V, 1500 KVA DG SET	
					Cummins Generator Technology (Stamford)	Ahmednagar	A		415 V Alternators up to 1600 KVA	
					Toyo Denki Power System	Bangalore	A		11 KV, 1500 KVA	
14.2	DG Set Control panel / Synchronising panel	CAT I								
					L&T	Mumbai / Coimbatore/ Ahmednagar	A			
					GE	Bangalore	A			
					Siemens	Mumbai	A			
					C&S Electric	Noida / HARIDWAR	A			
					Schneider	Nasik	A			
					Unilec	Gurgaon	A			
					Nitya Electrocontrols	Noida	A			
					Switching Circuits	Kolkata	A			
					Tricolite	Sahibabad / Manesar	A			
		I			Hindustan Control & equipment Ltd	Kolkata	A		With fabrication & painting at unit II & MP Electrical Narendrapur	
					Maktel	Vadodara	A			
					Jakson	Greater Noida	A			
					Vidyut Control	Gaziabad	A			
					Adlec Power	Rohad (Jhajjar)	A			
					Pyrotech	Udaipur	A			
					Anand Power Ltd.	Noida	A			
					Positronics	Vadodara	A			
					Control & Schematics	Hyderabad	A			
					Sterling Generators Pvt Ltd	Silvasa	A			
					Jackson	Kathua	A		11 KV, 1500 KVA	
					Supernova	Rajpur	A			
15	DC Batteries (Ni-Cd type BATTERY)	CAT I								

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 09.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
					HBL-Power System	Hyderabad	A		Up to 990 Ah with conditions	
					Saft India	Bangalore	A		8Ah to 990Ah- KPH type	
							A		10Ah to 1365 Ah- KPM type	
16	BATTERY CHARGER (48V/110V/220V)	CAT I					A		11Ah to 1550Ah – KPL type	
					Amararaja	Tirupati	A			
					HBL- Power System	Hyderabad	A			
					Chhabi electrical	Jalgaon	A			
					Chloride Power	Kolkatta	A			
					Statcon	Hapur	A		Up to 220 V, 850 A	
					Dubas	Bangalore	A		Up to 220 V, 800 A	
17	Dry Type Transformer	CAT I								
					ABB	Savli	A		Up to 8 MVA, 24 KV Class	
					Raychem	Pune	A		Up to 3.5 MVA, 33 KV Class	
					Toshiba	Hyderabad	A		Up to 2.0 MVA, 33 KV Class	
					BHEL	Jhansi	A		Up to 6.3 MVA, 33 KV Class	
					Kirloskar Electric Company Limited	Pune	A		Up to 4.0 MVA, 33 KV Class	
					Voltamp	Savli	A		Up to 3.25 MVA, 33 KV Class	
					Sudhir Power Ltd	Silvassa	A		Up to 1 MVA, 11 KV Class	
					Hammond Power Solutions	Hyderabad	A		Up to 95 KVA, 33KV Class	
18	OIP/RIP BUSHING	CAT I								
		I			BHEL	Bhopal	A		Up to 400 KV class	
					Crompton Greaves Ltd	Nasik	A		Up to 400 KV class	
					Crompton Greaves Ltd	Aurangabad	A			
					ABB Ltd.	Vadodara	A		Up to 245 KV Class (excluding GT)	
18.1	OIP/CONDENSER BUSHING	II			ABB Switzerland Ltd. MICAFIL Bushings	Switzerland	A		Up to 400 KV class	
					TELK	Angamaly	A		Up to 400 KV class	
					GE T&D India Limited	Hosur	A		Up to 400 KV class	
					Alstom-Passion Villa	Italy	A		Up to 400 KV class	
					ABB Power Tech.Products	Sweden	A		Up to 400 KV class	
					Trench	France	A		Up to 400 KV class	
18.2	RIP Bushing	CAT I								
					ABB AB Components	Sweden	A		Up to 420 KV Class	
					ABB Micafil	SwitzerLand	A		Up to 420 KV Class	
					Izolytor	Rusia	A		Up to 420 KV Class	
					HSP	Germany	A		Up to 420 KV Class	
					Yash High Voltage	Vadodara	A		Up to 145 KV Class	
19	INSULATING OIL	CAT I								
					Apar Industries	Rabale/Silvassa	A			
					Power Oil Petroleum Products	Silvassa	A			
					NYNAS NAPTHENICS AB	SWEEDEN / USA	A			
					Kanden Engg Corp Ltd	Japan	A			
					Nynas Ltd	Hongkong	A			
					Raj Petro Specialities	Chennai/Silvassa	A			
					Savita Oil Technologies	Mumbai/ Silvassa	A			
20	ON LINE DGA ANALYZER	CAT III								
					GE Kelmen Ltd	UK	A			
					GE GRID SOLUTIONS LTD	LISBURN, UK	A			
					Serveron	USA	A			
					CIC	Vadodara	A		Approval Conditions apply	
					Morgan Scchaffer	Canada	A			
21	GIS	CAT I			GE T&D	CHENNAI	A		765 KV	
					ABB	BARODA	A		400 KV	

		Project/ परियोजना : SIPAT-III (1X800MW) Package/ पैकेज: EPC PACKAGES Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL इवालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 09.05.2023 SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूची	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
22	CAPACITIVE VOLTAGE TRANSFORMER (CVT)	CAT I								
					ABB	VADODARA	A		UP TO 400KV	
					GE T&D	HOSUR	A		UP TO 765 KV	
					BHEL	JHANSI	A		UP TO 400KV	
					MEHRU ELECTRICALS	BHIWADI	A		UP TO 132 KV	
					CGL	NASHIK	A		UP TO 400KV	
23	CURRENT TRANSFORMER	CAT I								
					Mehru Electrical	Bhiwadi	A		UP TO 132 KV	
					GE T&D	Hosur	A		UP TO 765 KV	
					ABB	Vadodara	A		UP TO 400KV	
					CGL	Nasik	A		UP TO 400KV	
					BHEL	Bhopal	A		UP TO 400KV	
					BHEL	Jhansi	A		UP TO 220 KV	
					Vishal Transformer	Meerut	A		UP TO 132 KV	
					Heptacare	Meerut	A		UP TO 33KV	
24	CIRCUIT BREAKER	CAT I								
					GE T&D	KANCHIPURAM	A		UP TO 765 KV	
					ABB	VADODARA	A		UP TO 400 KV	
					SIEMENS	AURANGABAD	A		UP TO 400 KV	
					BHEL	Hyderabad	A		UP TO 400 KV	
					CGL	NASHIK	A		UP TO 400 KV	
25	ISOLATOR	CAT I								
					GR POWER	HYDERABAD	A		UP TO 400KV	
					HIVELM	CHENNAI	A		UP TO 400KV	
					S&S POWER	PONDICHERRY	A		UP TO 400KV	
					SIEMENS	HYDERABAD	A		UP TO 765 KV	
					ELEKTROLITES	JAIPUR	A		UP TO 33 KV	
					SWITCHGEAR & STRUCTURALS	HYDERABAD	A		UP TO 765 KV	
26	'SURGE ARRESTOR	CAT I								
					CGL	NASIK	A		UP TO 400KV	
					ELEKTROLITES	JAIPUR	A		UP TO 33 KV	
					LAMCO	HYDERABAD	A		UP TO 400KV	
					OBLUM	HYDERABAD	A		UP TO 765 KV	
27	CLAMPS & CONNECTORS & WELDING SLEEVES	CAT I								
					ELCTROMECH TRANSTECH	KOLKATA	A			
					EXALT	MUMBAI	A			
					KLEMMEN ENGG	CHENNAI	A			
					MEGHA ENGG	CHENNAI	A			
					MILIND	MUMBAI	A			
					EMI	MUMBAI	A			
					NOOTAN ENGG	MUMBAI	A			
					TAG CORPORATION	CHENNAI	A			
					ITPL	MUMBAI	A			
					RASHTRA UDYOG	KOLKATA	A			
					Premier Power Products	Chennai	A			
					PEE VEE ENGG	BANGALORE	A			
27.1	ACSR CONDUCTOR	CAT I								
					APAR INDUSTRIES	SILVASSA	A			
					CABCON	KOLKATA	A			
					DIAMOND	VADODARA	A			
					GALAXY	SANGLI	A			
					GUPTA POWER INFRA	BHUBANESWAR	A			
					HIRA CABLES	HIRAKUD	A			

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL इवालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 09.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
					JSK	SILVASSA	A			
					LUMINO	KOLKATA	A			
					SARAVATHY	BANGALORE	A			
					HIREN ALUMINIUM	SILVASSA	A			
					SMITA	GHAZIABAD	A			
27.2	ALUMINIUM TUBE	CAT I								
					ALOM EXTRUSIONS UNIT-II	BALASORE	A			
					BANCO	VADODARA	A			
					CENTURY EXTRUSION	KOLKATA	A			
					HINDALCO	RENUKOOT	A			
					HINDALCO	ALUPURAM	A			
					JINDAL ALUMINIUM	BANGALORE	A			
					SUDAL	NASIK	A			
28	SUB STATION AUTOMATION SYSTEM (BCU, GRP, ENERGY METER, NUMERICAL RELAYS, SWITCHYARD PROTECTION)	CAT I								
					GE T&D	CHENNAI	A			
					ABB	PEENYA	A			
					SCHNEIDER	NOIDA	A			
					SIEMENS	KALWA/GOA	A			
					BHEL	BHOPAL	A			
29	AB Tariff energy meter	CAT I								
					SEMS	Udaipur/Solan	A			
					Elster	Mumbai	A			
					L&T	Mysore	A		For Model ER300P With CMS software.	
30	Power Conditioning Unit (PCU)	CAT I								
					Schneider	Bangalore	A		Conditions apply	
					ABB	Bangalore	A		Conditions apply	
					Bongfiglioli	Germany	A		Conditions apply	
					Fecon	Germany	A			
					AEG	Bangalore	A		Conditions apply	
					Hitachi-Hirel	Gandhinagar	A		Conditions apply	
					Hitachi-Hirel	Sananad	A		Conditions apply	
					Vacon	Bangalore	A		Conditions apply	
30.1	String Monitoring Box (SMB)	CAT II								
					Trinity Touch	Palwal	A		Conditions apply	
					Hensel	Sriperumbudur	A		Conditions apply	
					AEG	Bangalore	A		Conditions apply	
					Statcon	Pilkhuwa	A		Conditions apply	
					Weidmuller	Spain	A		Conditions apply	
31	SPV module	CAT I								
					BHEL	Bangalore	A			
					Warree	Surat	A			
					Emmvee	Bangalore	A			
					Vikram Solar	Parganas	A			
					Lanco Solar	Chattisgarh	A			
					Tata Power Solar	Bangalore	A			
					Alpex	Solan	A			
					Synergy	Durgapur	A			
					Photonix	Satara	A			
					HHV Solar	Bangalore	A			
32	Lighting mast with raise & lower type lantern carriage/ Lighting poles polygonal type	CAT I								
					Bajaj	Pune	A			
					BP Projects	Hoogly	A			

		Project/ परियोजना : SIPAT-III (1X800MW) Package/ पैकेज: EPC PACKAGES Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL इवालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 09.05.2023 SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूची	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
					Skipper	Howrah	A			
					Transrail	Silvsa	A			
33	132 KV cable termination & straight through jointing kits	CAT I								
					Iijin	South Korea	A			
					ABB Kabeldon	Sweden	A			
					Pfisterer AG	Switzerland	A			
					Tycos Electronics Raychem GmbH	Germany	A			
34	Air Insulated Non Segregated phase type LT busduct	CAT I								
					C&S Electric	G.Noida	A			
					C&S Electric	HARIDWAR	A			
					Unilec	Gurgaon	A		Upto 3200 A	
					Stardrive	Chennai	A			
					Spaceage Swgr Ltd	Bawal	A			
					REEP	Chennai	A			
					Enpro	Chennai	A			
					Godrej	Bangalore	A			
					Nitya Electrocontrols	Noida	A			
34.1	Sandwiched type LT Busduct	CAT I								
					Henikwon	Malaysia	A			
					Godrej	Banglore	A			
					C&S	HARIDWAR	A			
35	SPBD	CAT I								
					BHEL	Rudrapur	A			
					C&S	Greater Noida	A			
					C&S	Haridwar	A			
					GODREJ & BOYCE MANUFACTURING COMPANY LTD	Bangalore	A			
					Powergear	Hindupur	A			
					Powergear	Chennai / Bangalore	A			
					KGS Engg.	Chennai	A			
36	LT MOTOR	CAT I								
					ABB	FARIDABAD	A		UPTO 55KW	
					ABB	BANGALORE	A			
					JYOTI LTD.	VADODARA	A			
					TIPM	JAPAN	A		UPTO 15 KW (NON FLAME PROOF)	
					HYOSUNG	SOUTH KOREA	A			
					WEG	BRAZIL	A			
					HYUNDAI	SOUTH KOREA	A			
					LHP	SOLAPUR	A			
					CGL	AHMEDNAGAR	A		RQP, FOR FLAME PROOF MOTOR	
					TMEIC	JAPAN (NAGASAKHI)	A			
					NGEF	BANGALORE	A		UPTO 15 KW	
					BHARAT BIJLEE	MUMBAI	A		RQP, FOR FLAME PROOF ALSO	
					KEC	BANGALORE/ HUBLI*	A		*UPTO 90KW, RQP, FOR FLAME PROOF ALSO	
					MARATHON	KOLKATA	A		RQP (UPTO 690V & 600 KW) FOR FLAME PROOF ALSO	
					ABB	SWEDEN	A		UPTO 55KW	
					HAVELL	NEEMRANA	A		UP TO 90KW	
					KAWAMATA	JAPAN	A		UP TO 75 KW	
					TIPS	JAPAN	A		UP TO 45KW	
36.1	DC Motor	CAT I								
					CGL	MANDIDEEP	A			
37	LT VFD Control Panel	CAT I								

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 09.05.2023 SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
					Powertech	Sonepat			Upto 55 KW with following conditions: i) VFD from Schneider- France, upto 415V, 50KW. ii) Enclosure & bought out items shall be from NTPC acceptable makes & iii) Engineering support for integration will be provided by Schneider/ Authorized integrator of Schneider	
					DANFOSS	Oragadam	A		(upto 690V, 1200kW), VFD drives with VFD sourced from Danfoss-Denmark/USA and Panel sourced from Rittal	
					YASAKAWA	Japan	A		VFD from Yasakawa- Japan, Upto 415V, 132KW	
					ROCKWELL AUTOMATION	SAHIBABAD	A		VFD from Rockwell(Allen Bradley)- USA, (Upto 415 V, 600 KW)	
					ABB	BANGALURU	A		VFD from ABB-Finland, Upto 690V, 750 KW	
					SIEMENS	NASIK	A		VFD from SIEMENS- Germany, Upto 690V,900KW	
					VACON	BANGALORE	A		VFD(NXP model) from VACON Finland, upto 400KW,415V and upto 900KW, 690V	
37.1	MV VFD Control Panel	CAT I								
					HITACHI HI REL POWER ELECTRONICS PVT. LTD.	SANAND	A		UP TO 11KV	
					TMEIC INDUSTRIAL SYSTEMS INDIA PRIVATE LIMITED	TUMKUR	A		UP TO 11KV	
38	Elevator (GEAR TYPE)	CAT I								
					ECE INDUSTRIES,	Ghaziabad	A			
					TECHNO INDUSTRIES LTD.,	AHMEDABAD	A			
					BHARAT ELEVATORS ENGG. PVT. LTD.,	KOLKATA	A			
					OTIS	MUMBAI	A			
					KONE ELEVATORS INDIA PVT. LTD.,	CHENNAI	A			
					OMEGA ELEVATORS	AHMEDABAD	A			
					SAMIL ELTEC CO LTD.	SOUTH KOREA	A			
					ORBIS ELEVATOR CO. LTD.,	AHMEDABAD	A			
39	HVR Transformer & EC Panel	CAT I								
					ADOR Powertron	Pune	A			
					BHEL	Jhansi	A			
40	Panel Type Hopper Heater	CAT I								
					HTD	USA	A			
					Hotfoil EHS	USA	A			
					HTD HEAT TRACE(I) Pvt Ltd	Hyderabad	A			
					Thermon	USA	A			
					Thermopads(Unit-II)	Jeedimetla	A			
					Thermon	Pune	A			
41	Neutral Grounding Transformer	CAT II								
					Pragati Electrical Pvt. Ltd.	Mumbai	A			
					Bharat Bijlee Ltd.	Navi Mumbai	A			
					Prayog Electrical Ltd.	Pune	A			
					Andrew Yule	Chennai	A			
42	LT Switchgear - Floor mounted Fixed type indoor LT Switchgear Panel (MLDB)	CAT I								
					Switching Circuits	Kolkata	A			
					Hindustan Control & equipment Ltd	Kolkata	A		With fabrication & painting at unit II & MP Electrical Narendrapur	
					Maktel	Vadodara	A		Prior Type Testing	
					Jakson	Greater Noida	A			
					Vidyut Control	Gaziabad	A			

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 09.05.2023 SUB-SYSTEM उप-प्रणाली: QA-ELEC	
		Package/ पैकेज: EPC PACKAGES								
		Supplier/ आपूर्तिकर्ता:								
		Contract No./ अनुबंध सं.:								
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
					Adlec Power	Rohad (Jhajjar)	A			
					Conquerent Control System	Manesar	A		Condition apply ,upto 1250A	
					Control & Schematics	Hyderabad	A			
					Positronics	Vadodara	A			
					Schneider (formerly L&T)	Mumbai / Coimbatore/Ahmednagar	A			
					GE	Bangalore	A			
					C&S Electric	Noida/ Haridwar	A			
					Schneider	Nasik	A			
					Pyrotech	Udaipur	A			
					Siemens	Kalwa	A			
					Tricolite	Sahibabad/Manesar	A			
					Schneider	Vadodara	A			
					Nitya Electrocontrols	Noida	A			
43	Rectifier Panel For Hydrogen Generation Plant	CAT I								
					RUTTONSHA INTERNATIONAL RECTIFIERS LTD	HALOL, GUJRAT	A			
					Hind Rectifier	MUMBAI/NASIK	A			
	A- MAJOR COMPONENTS OF BHEL MAKE GENERATOR (AS PER OEM SPECIFIC DESIGN):									
44	STATOR FRAME FABRICATION	CAT I								
44.1	STATOR FRAME MACHINING	CAT II			BHEL-HEEP	HARIDWAR	A			
					BHEL-HEEP	HARIDWAR	A			
45	SPRING BASKET	CAT II								
45.1	CORE BAR	CAT II			BHEL-HEEP	HARIDWAR	A			
45.2	FLUX TRAP	CAT II			BHEL-HEEP	HARIDWAR	A			
					BHEL-HEEP	HARIDWAR	A		STAMPINGS FROM BHEL CSU JAGDISHPUR	
45.3	FLAT SPRINGS AND BASKET ASEMBLY	CAT II			BHEL-HEEP	HARIDWAR	A			
45.4	RIPPLE SPRING	CAT II			BHEL-HEEP	HARIDWAR	A			
					KREMPAL GMBH	GERMANY	A			
45.5	TENSION BOLT FOR STATOR CORE (INSULATED)	CAT II								
					BHEL-HEEP	HARIDWAR	A			
45.6	CORE PRESS RING	CAT II			BHEL-HEEP	HARIDWAR	A			
46	ETS MATERIAL	CAT II								
		II			THYSSEN KRUPP ELECTRICAL STEEL	NASIK	A			
		II			ARCELOR MITTAL INTERNATIONAL	LUXAMBOURG	A			
		II			THYSSENKRUPP MATERIAL TRADING	GERMANY	A			
		I			POSCO	RAIGARH	A			
		I			JSW	BELLARY	A			
		II			ALLOVERZE	GERMANY	A			
47	STATOR LAMINATION	CAT II								
48	BUS BAR CONNECTION TUBES	CAT II			BHEL-CSU	JAGDISHPUR	A			
					LUVATA PORI	FINLAND	A			
					BUNT METAL	AUSTRIA	A			
					KME GERMANY GMBH & CO. KG	GERMANY	A			
48.1	CONNECTING BUS BAR	CAT I			BHEL	HARIDWAR	A			

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL इवालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 09.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
49	SOLID COPPER CONDUCTOR (FOR STATOR BAR)	CAT I								
		I			PEARL INSULATIONS	BANGLORE	A			
		I			MAHENDRA INDUSTRIES	BANGLORE	A			
		II			VONROLL	SWITZERLAND	A			
		II			GEBAUER & GRILLER	AUSTRIA	A			
49.1	HOLLOW SS CONDUCTOR (STATOR BAR)	CAT II								
		II			FINE TUBES LTD.	ENGLAND	A			
50	OVER HANG SUPPORT RING	CAT II								
					ROECHLING ENGINEERING PLASTICS	GERMANY	A			
					POWER & COMPOSITE TECHNOLOGIES	USA	A			
51	WATER SUPPLY HOSE (INSULATED)	CAT I								
		II			DR SCHNABEL GMBH & CU KG LIMBURG	GERMANY	A			
		II			CRANE RESISTOFLEX	USA	A			
		I			MIL INDUSTRIES LIMITED	CHENNAI	A			
52	BAFFLE RING & BAFFLE RING CARRIER MACHINING	CAT I								
					BHEL-HEEP	HARIDWAR	A			
53	STATOR WINDING BAR	CAT I								
					BHEL-HEEP	HARIDWAR	A			
54	GENERATOR SHAFT FORGING	CAT II								
					BUDERUS EDELSTAHL	GERMANY	A			
					JSW	JAPAN	A			
					SAARSCHMIEDE	GERMANY	A			
					JCFC	JAPAN	A			
					PJSC Energomashpetstal	Ukraine	A			
					DOOSAN HEAVY INDUSTRIES & CONSTRUCTION CO. LTD.	SOUTH KOREA	A			
					SDF-TURNI	ITALY	A			
54.1	GENERATOR SHAFT MACHINING	CAT I								
					BHEL-HEEP	HARIDWAR	A			
55	CURRENT CARRYING BOLTS FOR ROTOR	CAT II								
					BHEL HEEP	HARIDWAR	A			
56	SILVER BEARING COPPER HOLLOW STRIPS (ROTOR COIL)	CAT II								
					BUNT METAL	AUSTRIA	A			
					BOASHIDA SWISS METAL	SWITZERLAND	A			
57	ROTOR COIL FORMING	CAT II								
					BHEL HEEP	HARIDWAR	A			
58	ROTOR SLOT ANGLE	CAT II								
					SAHNEY KIRKWOOD PVT. LTD.	NASIK	A			
					ABB SWITZERLAND LTD.	SWITZERLAND	A			
					VON ROLL ISOLA	FRANCE	A			
58.1	WEDGES FOR ROTOR (DAMPER +SLOT)	CAT II								
					KM EUROPA	GERMANY	A			
					BOASHIDA SWISS METAL	SWITZERLAND	A			
					LUVATA (OUTO KUMPU PORI)	FINLAND	A			
					BUNT METAL	AUSTRIA	A			
59	RETAINING RING	CAT II								
					SAARSCHMIEDE	GERMANY	A			
					ENERGIETECHNIK	GERMANY	A			
					JSW	JAPAN	A			

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 09.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
59.1	RETAINING RING MACHINING	CAT I								
60	FAN BLADE FOR COMPRESSOR M/C	CAT I			BHEL-HEEP	HARIDWAR	A			
					BHEL-HEEP	HARIDWAR	A			
60.1	FAN BLADE FOR COMPRESSOR (RAW MATERIAL) - HW10786 –X20Cr 13	CAT I								
					Refer Steam Turbine List for same grade material for blade bars		A			
60.2	COMPRESSOR HUB M/C & ASSEMBLY	CAT I								
					BHEL-HEEP	HARIDWAR	A			
61	BEARING SHELL FORGING (GENERATOR)	CAT II								
					BHEL-CFFP	HARIDWAR	A			
62	BEARING COMPLETE (EXCITER)	CAT I								
					RENK AG	GERMANY	A			
					ZOLLERN	BRAZIL	A			
					EURO BEARINGS	ITALY	A			
63	END SHIELD FABRICATION & MACHINING	CAT I								
					BHEL-HEEP	HARIDWAR	A			
64	TERMINAL BOX FABRICATION	CAT I								
					BHEL-HEEP	HARIDWAR	A			
64.1	TERMINAL BOX MACHING	CAT I								
					BHEL-HEEP	HARIDWAR	A			
65	HYDROGEN COOLER MAIN ITEMS	CAT I			BHEL-HEEP	HARIDWAR	A			
65.1	TUBES FOR COOLERS (BRASS / COPPER TUBES)	CAT II								
					MULTIMETALS	KOTA	A			
					Mehta Tubes Pvt Ltd	VAPI	A			
					METAL ALLOYS	JAMNAGAR	A			
65.2	FINNING OF COOLER TUBES	CAT I								
					LAXMI ENGINEERING INDUSTRIES	BHOPAL	A			
					LORD VISHWAKARMA HEAT EXCHANGE	HARIDWAR	A			
					FITWELL CORPORATION	BHOPAL	A			
65.3	HYDROGEN COOLER	CAT I								
					BHEL-HEEP	HARIDWAR	A			
66	PW COOLER & SEAL OIL COOLER	CAT I								
					BHEL-HEEP	HARIDWAR	A			
					ALFA LAVAL (INDIA) LIMITED	PUNE	A			
					TRANTER INDIA PVT. LIMITED	PUNE	A			
67	SEAL OIL PUMP & PRIMARY WATER PUMP	CAT I								
					TUSHACO PUMPS	DAMAN	A			
					KSB INDIA	PUNE	A			
					SULZER INDIA	NAVI MUMBAI	A			
68	PW SYSTEM/SKID	CAT I								
					BHEL-HEEP	HARIDWAR	A			
69	SEAL OIL SYSTEM/SKID	CAT I								
					BHEL-HEEP	HARIDWAR	A			
70	TERMINAL BUSHING	CAT II								
					TRENCH FRANCE SAS	FRANCE	A			
					HSP HOCHSPANNUNGSGERAETE GMBH	GERMANY	A			
71	HYDROGEN DRIER (REFRIGERANT TYPE)	CAT I								
					JINDAL ELECTRONICS	ROORKEE	A			
					MELLCON ENGS PVT	NEW DELHI	A			
					SPAN	ROORKEE	A			

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:		
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00		
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 09.05.2023		
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-ELEC		
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी		
72	RC BLOCK	CAT I			ZENTRONICS SYSTEMS	HYDERABAD	A				
NOTE	1. CHECKS FOR STATOR CORE ASSLY, STATOR WINDING ASSEMBLY, ROTOR WINDING ASSLY.(GEN.), GENERATOR ROTOR -FINAL, BEARING ASSEMBLY/SHAFT SEAL ASSEMBLY, EXCITER ASSLY (MAIN & PILOT), EXCITER TEST RUN, GENERATOR ASSEMBLY AT WORKS INCLUDING TERMINAL BUSHING & GENERATOR WORKS RUN TEST SHALL BE FINALIZED DURING DETAILED ENGINEERING/MQP FINALIZATION FOR THE RESPECTIVE OEMs. 2. For Raw Material/Components/Items of Generator which are not appearing in the above list, their OEM approved sources shall be tied up during Detailed Engineering/ MQP finalization.										
	B- MAJOR COMPONENTS FOR L&T MAKE GENERATOR (AS PER OEM SPECIFIC DESIGN):										
73	STATOR FRAME WITH MAN HOLE COVER FABRICATION & MACHINING (Generator Stator Frame fabrication & Machining)	CAT I									
					MITSUBISHI ELECTRIC	JAPAN	A				
					LMTG	HAZIRA	A				
74	CORE BOLT ASSEMBLY (Core Bolt assembly in stator frame)	CAT I									
		II			MITSUBISHI ELECTRIC	JAPAN	A				
		I			LMTG	HAZIRA	A				
75	BORE RING FOR STATOR FABRICATION (Bore ring Fabrication & M/c)	CAT I									
		II			MITSUBISHI ELECTRIC	JAPAN	A				
		I			LMTG	HAZIRA	A				
		I			MANJUNATH	BANGALORE	A				
76	END PRESSURE PLATE (CORE PRESSURE RING AND FINGER (Finger Plate)	CAT I									
		II			MITSUBISHI ELECTRIC	JAPAN	A				
		I			RV ENGG	BALLABGARH	A				
77	STATOR CORE PUNCHING & SHIELD CORE PUNCHING	CAT I									
		II			MITSUBISHI ELECTRIC	JAPAN	A				
		I			PITTI LAMINATION	HYDERABAD	A				
78	TENSION BOLT FOR STATOR CORE(INSULATED)(CORE BOLT)	CAT II									
					MITSUBISHI ELECTRIC	JAPAN	A				
79	LEAD BOX FABRICATION & MACHINING	CAT I									
		II			MITSUBISHI ELECTRIC	JAPAN	A				
		I			LMTG	HAZIRA	A				
		I			JSPL	RAIPUR	A				
80	OVER HANG SUPPORT RING(RESIN CONE)	CAT II									
		II			HITACHI CHEM	JAPAN	A				
		II			PCT	USA	A				
		II			ROCHLING	GERMANY/ France	A				
81	CORE TENSION BOLT (UNINSULATED) FOR STATOR (Core bolt)	CAT I									
		II			MITSUBISHI	JAPAN	A				
		I			STAR WIRE	BALLABGARH	A				
82	OVERHANG SLIDING SYSTEM (Part of stator winding Assembly)	CAT I									
		II			MITSUBISHI ELECTRIC	JAPAN	A				

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 09.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूची	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
		I			LMTG	HAZIRA	A			
83	BUS RING FABRICATION (Phase Ring)	CAT I								
		II			mitsubishi electric	JAPAN	A			
		I			LMTG	HAZIRA	A			
84	RIPPLE SPRING	CAT III								
		III			mitsubishi electric	JAPAN	A			
		III			AUGUST KREMPEL	GERMANY	A			
85	SOLID COPPER CONDUCTOR (FOR STATOR BAR)	CAT I								
		II			mitsubishi electric	JAPAN	A			
		II			UNIMAC	JAPAN	A			
		I			MAHENDRA IND	BANGALORE	A			
		II			GEABUR AND GRILER	AUSTRIA	A			
		II			HITACHI MAGNET WIRE	JAPAN	A			
		I			PEARL INSULATION	BANGALORE	A			
		I			COSMOS	BANGALORE	A			
86	HOLLOW COPPER CONDUCTOR (STATOR BAR)	CAT I								
		II			UNIMAC	JAPAN	A			
		II			mitsubishi electric	JAPAN	A			
		II			ISOLA	SWITZERLAND	A			
		I			MAHENDRA INDUSTRIES	BANGALORE	A			
		I			PEARL	BANGALORE	A			
		I			COSMOS	BANGALORE	A			
87	TERMINAL BUSHING (CONDENSER TYPE) (Lead Bushing)	CAT II								
		II			EMIL HAFLEY(TRENCH)	SWITZERLAND	A			
		II			mitsubishi electric	JAPAN	A			
		II			TRENCH	SWITZERLAND	A			
88	SUPPORT BRACKET	CAT I								
		II			mitsubishi electric	JAPAN	A			
		I			LMB	HAZIRA	A			
89	CONNECTING BUS BAR (PHASE BELTS) FABRICATION	CAT II								
		II			SUMIKEI COPPER	JAPAN	A			
		II			mitsubishi electric	JAPAN	A			
		II			HITACHI CABLE	JAPAN	A			
		II			ORIENTAL COPPER	THAILAND	A			
90	INSULATING HOSES FOR STATOR (WATER SUPPLY HOSES)	CAT I								
		II			SAKURA RUBBER	JAPAN	A			
		II			mitsubishi electric	JAPAN	A			
		II			CRANE RESISTOFLEX	USA	A			
					DR SCHNABEL	GERMANY	A			
91	SHIELD PLATES / SHIELD CLAMPER	CAT I								
		III			mitsubishi electric	JAPAN	A			
		I			RV ENGG	FARIDABAD	A			
		I			AK Multi metal	PUNJAB	A		CS Casting for Generator Bracket Hub of Bearing bracket, Ni-alloy casting for Generator Blower Shroud & Shield clammer, nodular cast iron casting for Shroud support.	
92	STATOR WINDING ASSLY	CAT I								

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 09.05.2023 SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
		I			mitsubishi electric	JAPAN	A			
		I			LMTG	HAZIRA	A			
93	GENERATOR SHAFT FORGING	CAT II								
					SAARSCHMIEDE	GERMANY	A			
					Buderus Edelstahl	GERMANY	A			
					JSW	JAPAN	A			
					SDF	ITALY	A			
					CRUIST FORCE	FRANCE	A			
					OMZ	RUSSIA	A			
					FORGE MASTER	UK	A			
					JCFC	JAPAN	A			
94	GENERATOR ROTOR MACHINING	CAT I								
		II			mitsubishi electric	JAPAN	A			
		II			NUGO ROMANO	ITALY	A			
		I			LMTG	HAZIRA	A			
95	ETS MATERIAL (Core material)	CAT I								
		I			THYSSON KRUPP	NASIK	A			
		II			NIPPON	JAPAN	A			
		II			JFE	JAPAN	A			
		I			POSCO	RAIGARH	A			
		I			JSW	BELLARY	A			
		II			mitsubishi	JAPAN	A			
96	RETAINING RING FORGING(MAT- CrMn 1818)	CAT II								
					SAARCSHMIEDE	GERMANY	A			
					JSW	JAPAN	A			
					KOBE STEEL	JAPAN	A			
					FORTEH	FRANCE	A			
97	RETAINING RING MACHINING	CAT I								
		II			mitsubishi electric	JAPAN	A			
		I			LMTG	HAZIRA	A			
98	SILVER BEARING COPPER HOLLOW STRIPS (ROTOR COIL)	CAT II								
					ORIENTAL COPPER	THAILAND	A			
					HITACHI CABLE	JAPAN	A			
					FURUKAWA ELECTRIC	JAPAN	A			
					KM EUROPA	GERMANY	A			
					OTOKUMPUTURI (Luvata)	FINLAND	A			
					GINDRE	FRANCE	A			
99	FIELD LEAD CORE BAR FOR ROTOR WITH D LEAD(RAW MATERIAL) (Field lead)	CAT II								
					ORIENTAL COPPER	THAILAND	A			
					BAOSHIDA SWISS METAL	GERMANY	A			
					KME	GERMANY	A			
					Agarwal industries (Fabrication)	Mandideep	A			
					Rachna Metals (Raw material)	GHAZIABAD	A			
					INDIAN METAL & ALLOY	KOLKATA	A			
					HITACHI CABLE	JAPAN	A			
100	CURRENT CARRYING BOLTS FOR ROTOR (Radial Lead)	CAT II								

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL इवालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 09.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
101	ROTOR COIL FORMING	CAT I			mitsubishi electric	JAPAN	A			
		II			mitsubishi electric	JAPAN	A			
		I			LMTG	HAZIRA	A			
102	STATOR Coil Manufacturing	CAT I								
					mitsubishi electric	JAPAN	A			
					LMTG	HAZIRA	A			
103	ROTOR SLOT WEDGES & DAMPER WEDGES FABRICATION & MACHINING (Rotor wedge & Damper bar)	CAT II								
					mitsubishi electric	JAPAN	A			
					MURAKAMI	ompress	A			
					FIAV	ITALY	A			
					OTOKUMUPORI (LUVATA)	FINLAND	A			
					METALLURGICA MINOTI	ITALY	A			
					Damper Wedges - Gindre India Components Pvt. Ltd	Gurgaon	A			
104	ROTOR WINDING ASSLY (GEN) INCL ROTOR WEDGES (Rotor winding)	CAT I								
					mitsubishi electric	JAPAN	A			
					LMTG	HAZIRA	A			
105	GENERATOR ROTOR-FINAL assembly & Balancing Process (Rotor final assembly & HSB)	CAT I								
					mitsubishi electric	JAPAN	A			
					LMTG	HAZIRA	A			
106	COMPRESSOR BLADE ASLY ON ROTOR (Part of generator final assembly)	CAT I								
					mitsubishi electric	JAPAN	A			
					LMTG	HAZIRA	A			
107	D LEAD (FL CORE BAR) & CONTACT BOLT FOR SLIP RING (Axial lead)	CAT II								
					mitsubishi electric	JAPAN	A			
108	TUBES FOR CONNECTING BUS BAR (Phase ring tubes)	CAT II								
					ORIENTAL COPPER	THAILAND	A			
					ALCOBEX	JODHPUR	A			
					S H Copper	Japan	A			
					IPCL	BHAVNAGAR	A			
					HITACHI CABLE	JAPAN	A			
109	END SHIELD FABRICATION & MACHINING (Generator Bearing Bracket)	CAT I								
					mitsubishi electric	JAPAN	A		For End Shield Fabrication Only	

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL इवालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 09.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
					SHAPE	HARIDWAR	A			
					MANJUNATH	BANGLORE	A			
110	BEARING SHELL(GEN& SLIP RING)- FORGING (part of generator Bearing)	CAT II								
					MITSUBISHI ELECTRIC	JAPAN	A			
					OMEGA THERMIT	BHOPAL	A			
					DUM DUM	KOLKATA	A			
					EURO BEARING	ITALY	A			
111	CENTERING RING FORGING (END PLATE)	CAT I								
		I			GOODLUCK	GHAZIABAD	A			
		II			NISHIMAKI IRON WORKS	JAPAN	A			
		I			BAY FORGE	CHENNAI	A			
112	BEARING SHELL (GEN & SLIP RING) M/C (Generator bearing)	CAT III								
					DSE	KOREA	A			
					DYM	KOREA	A			
					MITSUBISHI ELECTRIC	JAPAN	A			
					OMEGA THERMIT	BHOPAL	A			
					DUM DUM	KOLKATA	A			
					EURO BEARING	ITALY	A			
					WAUKESHA BEARING	USA	A			
113	INTERMEDIATE RING FORGING (Space ring forging)	CAT I								
					Good luck (For forging)	FARIDABAD	A			
					LMTG (For m/c)	Hazira	A			
114	PRIMARY WATER PUMP	CAT I								
					MATHER & PLATT	PUNE	A			
					KSB INDIA	Nasik	A			
					SULZER PUMPS	NAVI MUMBAI	A			
					EBARA SEISAKUSHO	JAPAN	A			
115	HYDROGEN DRIER	CAT I								
		I			JINDAL	ROORKEE	A			
		II			MITSUBISHI ELECTRIC	JAPAN	A			
116	TUBES FOR COOLERS (BRASS/COPPER TUBES) (GENERATOR) (Gas cooler tubes)	CAT I								
					ALCOBEX	JODHPUR	A			
					MULTIMETAL	KOTA	A			
117	PW PUMP & FILTER UNIT ASSEMBLY (SKID)	CAT I								
		II			MITSUBISHI ELECTRIC	JAPAN	A			
		II			JIMC	KOREA	A			
		I			LMTG	HAZIRA	A			
		I			LINCOLN	PUNE	A			
118	PW COOLER & SEAL OIL COOLER	CAT I								
		I			ALFA LAVAL	PUNE	A			
		II			JIMC	KOREA	A			
		I			TRANTER	PUNE	A			

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL इवालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 09.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
119	SLIP RING FORGING & MACHINING	CAT II								
					LMTG (For machining)	Hazira	A			
					Good luck (For forging)	FARIDABAD	A			
120	DC LEAD ASSLY FOR SLIP RING (Slip ring lead)	CAT I								
		II			MITSUBISHI ELECTRIC	JAPAN	A			
		I			LMTG	HAZIRA	A			
121	SLIP RING ASSLY (Part of Generator Final assembly)	CAT I								
					LMTG	HAZIRA	A			
122	SLIP RING SHAFT ASSLY	CAT II								
					MITSUBISHI ELECTRIC	JAPAN	A			
123	AIR COOLER FOR BRUSH GEAR (Slip ring fan)	CAT I								
					LMTG	Hazira	A			
124	SEAL OIL PUMP	CAT I								
		I			TUSHACO PUMP	DAMAN	A			
		II			KOSAKA LABORATORY	JAPAN	A			
		II			SHIMADZU	JAPAN	A			
125	FAN BLADE FORGING & MACHINING (Blade for slip ring fan)	CAT I								
		II			MURAKAMI SEISAKUSHO	JAPAN	A			
		I			STAR WIRE	BALLABHGARH	A			
		II			MITSUBISHI ELECTRIC	JAPAN	A			
		I			GOODLUCK ENGG	GHAZIABAD	A			
126	SEAL OIL VALVE RACK	CAT II								
					JIMC	KOREA	A			
127	SEAL OIL STORAGE TANK (LOOP SEAL TANK)	CAT I								
					JIMC	KOREA	A			
					Gujarat infra	Vadodara	A			
					Shree sarjan	Vadodara	A			
128	HYDROGEN COOLER (Gas cooler)	CAT I								
					KITASHIBA ELECTRIC	JAPAN	A			
					ENERGEN	KOREA	A			
					GEA	GERMANY	A			
					LAXMI	BHOPAL	A			
129	CARBON BRUSH	CAT II								
					MORGAN	KOREA	A			
					MERSEN	BANGLORE	A			
					VIDYUT CARBON	HARDWAR	A			
					ASSAM CARBON	KOLKATA	A			
130	EXCITATION SYSTEM	CAT I								
					ALSTOM	FRANCE	A			
					ABB	SWITZERLAND	A			
					SIEMENS	AUSTRIA	A			
					BHEL	BANGLORE	A			
					MITSUBISHI ELECTRIC	JAPAN	A			
131	EXCITATION TRANSFORMER	CAT I								
					REFER SEPARATE LIST					
132	EXCITATION AC/DC BUS DUCT	CAT I								

		Project/परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL इवालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 09.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
					REFER SWITCHGEAR AND BUS DUCT LIST					
133	END WINDING VIBRATION SYSTEM	CAT II			IRIS	Canada	A			
					Vibro systems	Canada	A			
134	Rotor slot angle (Slot cell)	CAT II			PCT	USA	A			
					MITSUBISHI ELECTRIC	JAPAN	A			
					VON ROLLA ISOLA	FRANCE	A			
135	CENTRING RING & INTERMEDIATE RING MACHINING (End plate & space ring)	CAT I								
					MITSUBISHI ELECTRIC	JAPAN	A			
					Good luck (For forging only)	Faridabad	A			
					LMTG (For machining)	HAZIRA	A			
136	ROTOR FLUX MONITORING SYSTEM	CAT II								
					GE	USA	A			
					MITSUBISHI ELECTRIC	JAPAN	A			
					Vibro systems	Canada	A			
					IRIS	CANADA	A			
137	FIELD LEAD CORE BAR FOR ROTOR WITH D LEAD	CAT II								
					MITSUBISHI ELECTRIC	JAPAN	A			
138	Generator Blower shroud	CAT I								
					RV Casting	Faridabad	A	(M/C by LMTG)		
139	Bearing Bracket Hub casting	CAT I								
					VAISHNOV STEEL	MUZAFFAR NAGAR	A			
					LMTG HCU	Hazira	A			
140	Shroud support	CAT I								
					R V Casting	Faridabad	A	(M/C by LMTG)		
141	Blower hub Forging	CAT I								
					Goodluck	Gaziabad	A	(M/C by LMTG)		
142	Bore ring Forging	CAT I								
					CHW	Greater noida	A	(M/C by LMTG)		
143	Rotor & stator blade	CAT I								
					LMTG (for machining)	Hazira	A			
					Star wire (For Rotating blade raw material)	BALLABHGARH	A			
					As per NTPC approved list (For ST blade raw material also)		A			
144	Center wedge & end wedge machining	CAT I								
					Moldpro	Vadodara	A			
NOTE	1.CHECKS FOR STATOR CORE ASSLY, STATOR WINDING ASSEMBLY, ROTOR WINDING ASSLY.(GEN.), GENERATOR ROTOR -FINAL, BEARING ASSEMBLY/SHAFT SEAL ASSEMBLY, EXCITER ASSLY (MAIN & PILOT)/ SLIP RING SHAFT ASSEMBLY WITH BRUSH GEARS, EXCITER TEST RUN, GENERATOR ASSEMBLY AT WORKS INCLUDING TERMINAL BUSHING & GENERATOR WORKS RUN TEST SHALL BE FINALIZED DURING DETAILED ENGINEERING/MQP FINALIZATION FOR THE RESPECTIVE OEMs. 2. For Raw Material/Components/Items of Generator which are not appearing in the above list, their OEM approved sources shall be tied up during Detailed Engineering/ MQP finalization.									
C- MAJOR COMPONENTS FOR GE MAKE GENERATOR (AS PER OEM SPECIFIC DESIGN):										
145	Stator Frame with manhole cover (Fabrication & Machining)	CAT I								
					ALSTOM Power Sp. z o.o,	Poland	A			

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL इवालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:				SUB-SYSTEM उप-प्रणाली: QA-ELEC			DATE/ तिथि : 09.05.2023	
		Contract No./ अनुबंध सं.:								
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूची	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
					Alstom Bharat Forge Power Limited	Sanand	A			
					ISGEC	YAMUNA NAGAR	A			
146	Key Bar (Fabrication & Machining)	CAT I			Bright Steel	UK	A			
		II			Jordan Matcon	Poland	A			
		II			ALSTOM Power Sp. z o.o	Poland	A			
		II			Somet	Poland	A			
		II			Empaz	Poland	A		Only M/c	
		I			Shiv Engineering	vadodara	A		Only M/c	
		I			Alstom Bharat Forge Power Limited	Sanand	A		Only M/c	
		I			Shape Engg	Haridwar	A		Only M/c	
147	Dovetail for Stator (Aluminium key profile)	CAT II								
					Sapa Profiles Kft.	Hungary	A			
					ALSTOM Power Sp. z o.o.,	Poland	A			
					Somet	Poland	A			
148	End Presure Plate (Laminated Press plate)	CAT II			ALSTOM Power Sp. z o.o.,	Poland	A			
					Generpro	Sweden	A			
149	Stator Core Punching	CAT II			ALSTOM	France	A			
					ALSTOM Power Sp. z o.o.,	Poland	A			
					Donako	Poland	A			
					Pitti Laminations	Hyderabad	A			
					BHEL	Jagdishpur	A			
150	Core Tension Bolt for Stator	I			Starwire	Ballabgarh	A			
		II			Boehler Ybbstal Profil	Austria	A			
		II			Energietechnik Essen	Germany	A			
		II			Empaz	Poland	A			
		I			Kalyani carpenter	Pune	A			
151	Insulation of Core Tension Bolt for Stator	CAT II			Empaz	Poland	A			
					ALSTOM Power Sp. z o.o.,	Poland	A			
152	Solid Copper Coductor for Stator Bar	CAT I			VonRoll	Switzerland	A			
					Pearl	Bangalore	A			
					Cosmos	Bangalore	A			
					Mahindra	Bangalore	A			
					Geaber & Greuller	Austria	A			
153	Hollow Stainless Steel Conductor for Stator Bar	CAT II								
					Fine Tubes	UK	A			
					Fischer	Austria	A			
154	Stator Bars	CAT I			ALSTOM Power Sp. z o.o.,	Poland	A			
155	Tubes for Connection Bus Bar	CAT II			KME	Germany	A			
					Luvata Pori	Finland	A			
					Multimetal	Jamnagar	A			
156	Connection Bus Bar (Phase Connector)	CAT II								

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 09.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूची	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
					PPU Wojtera	Poland	A			
					ALSTOM Power Sp. z o.o.,	Poland	A			
157	Insulating Hoses for Stator (Water Supply Hoses)	CAT II								
					Dr. Schnabel	Germany	A			
					Siemens	Germany	A			
					Crane Resistoflex	USA	A			
158	Winding Head Support Ring	CAT II								
					Röchling Permali	Germany	A			
					Kompozyty	Poland	A			
					PCT	USA	A			
					Siemens	Germany	A			
					Texplas	Haridwar	A			
159	Spring for Winding Head Assembly (Console)									
		CAT II			Wolfensberger	Switzerland	A			
		CAT I			R V Engg	Ballabgarh	A			
160	Generator Shaft Forging	CAT II								
					Saarschmiede	Germany	A			
					Buderus	Germany	A			
					JSW	Japan	A			
					JCFC	Japan	A			
					SdF Terni	Italy	A			
					SUMITOMO	JAPAN	A			
					FORGEMASTER	UK	A			
					OMZ	RUSSIA	A			
161	Generator Shaft Machining	CAT I								
					Alstom (Switzerland) Ltd.	Switzerland	A			
					Alstom Bharat Forge Power Limited	Sanand	A			
162	Centering Ring Forging	CAT II								
					Bharat Forge	Pune	A			
					Schmiedewerk Stoss	Switzerland	A			
					FORGITAL SPA VELO D ASTICO LOCALITA	Italy	A			
					Bay Forge	Chennai	A			
163	Centering Ring Machining	CAT II								
					Alstom (Switzerland) Ltd.	Switzerland	A			
					Bharat Forge Limited	Satara	A			
164	Retaining Ring FORGING (Mat.18-18Cr-Mn)	CAT II								
					Energietechnik Essen	Germany	A			
					Saarschmiede	Germany	A			
					JSW	Japan	A			
165	Retaining Ring Machining	CAT II								
					Alstom (Switzerland) Ltd.	Switzerland	A			
					Alstom Bharat Forge Power Limited	Sanand	A			
166	Rotor Copper Profile	CAT II								
					Swissmetall	Switzerland	A			
					Wieland	Germany	A			
					Buntmetall	Austria	A			
167	Field Lead Core Bar for Rotor	CAT II								

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL इवालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 09.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
					Swissmetall	Switzerland	A			
					Buntmetall	Austria	A			
					Wieland	Germany	A			
168	Radial Bolt for Rotor	CAT II								
					Alstom	Switzerland	A			
					Starwire	Ballabgarh	A			
					Atals	Hydrabad			only for Machining	
169	Rotor Coil Forming	CAT I								
		CAT II			Alstom (Switzerland) Ltd.	Switzerland	A			
		CAT I			Alstom Bharat Forge Power Limited	Sanand	A			
170	Rotor Slot Wedges & Damper wedges	CAT II								
					Swissmetall	Switzerland	A			
					Wieland	Germany	A			
					Luvata	Finland	A			
					Buntmetall	Austria	A			
171	Generator Rotor Final	CAT I								
					ALSTOM Power Sp. z o.o.,	Poland	A			
					Alstom (Switzerland) Ltd.	Switzerland	A			
172	Hydrogen Blower	CAT II								
					FIMA	Germany	A			
172.1	Hydrogen Blower Assembly	CAT II								
					Alstom (Switzerland) Ltd.	Switzerland	A			
173	Terminal Bushing(Condenser type)	CAT II								
					Trench (Emily new name)	France	A			
					HSP	Germany	A			
174	Terminal Box Fabrication	CAT II								
					ALSTOM Power Sp. z o.o.,	Poland	A			
					ISGEC	Yamunanagr	A			
					Shape Engg	Haridwar	A			
174.1	Terminal Box Machining	CAT II								
					ALSTOM Power Sp. z o.o.,	Poland	A			
					Energy machines	Ahmedabad	A			
175	End Shield Fabrication	CAT I								
					ALSTOM Power Sp. z o.o.,	Poland	A			
					Shape Engg	Haridwar	A			
					ISGEC	Yamunanagr	A			
175.1	End Shield Machining	CAT I								
					ALSTOM Power Sp. z o.o.,	Poland	A			
					ISGEC	Yamunanagr	A			
					Energy Machines	Ahmedabad	A			
176	Seal Assembly (Ring & Housing)	CAT II								
					ALSTOM Power Sp. z o.o.,	Poland	A			
177	Stator water cooler	CAT I								
					Alpha Laval	Sweden	A			
					GEA	Germany	A			
					TRANter	Pune	A			
					IDMC Ltd	Anand	A			
178	Stator water cooling unit	CAT II								

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL इवालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 09.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूची	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
179	Stator water cooling pump	CAT II			Rockfin	Poland	A			
					ALWELLER	GERMANY	A			
					KSB	Pune	A			
					Ebera	Japan	A			
					SULZER	Navi Mumbai	A			
180	Slip Ring Shaft Forging	CAT II			See Generator Forging Suppliers					
					Bharat forge	Pune	A			
					BAY FORGE	Chennai	A			
180.1	Slip Ring Shaft Machining	CAT II								
					Alstom (Switzerland) Ltd.	Switzerland	A			
					Euroflex Transmission(india) pvt. Ltd.	Hydrabad	A			
181	DC-Lead Assembly for Slip Ring	CAT II								
					Alstom (Switzerland) Ltd.	Switzerland	A			
181.1	Slip Ring Shaft Assembly	CAT I								
					Alstom (Switzerland) Ltd.	Switzerland	A			
					Euroflex Transmission(india) pvt. Ltd.	Hydrabad	A	Only M/c		
182	Seal Oil Pump	CAT I								
					Allweiler	Germany	A			
					Allweiler	DAMAN	A			
					UT PUMP	FARIDABAD	A			
183	Seal Oil Cooler	CAT I								
					GEA	Germany	A			
					Alpha Level	EUROPE	A			
					Alfa level	Satara	A			
					ALPHA LAVAL	Sweden	A			
					TRANTER	Pune	A			
184	Seal Oil Unit	CAT II								
					Rockfin	Poland	A			
185	Hydrogen Cooler	CAT I								
					GEA	Germany	A			
					Kelvion	Pune	A			
					Laxmi	Bhopal	A			
186	Hydrogen dryer(Refrigrant Type)	CAT I								
					Jindal electrical	Roorkee	A			
					Melcon engg	G. NOIDA	A			
187	Copper connector between main rotor and slip ring shaft(radial stud)	CAT II								
					SWISS METAL	Switzerland	A			
					Pfisterer Sefag AG	Germany	A			
188	Carbon Brush & Holders	CAT III								
					Morgan	Germany	A			
					Vidhyut Carbon	Haridwar	A			
					National Carbon	Kolkata	A			
					G. Dietrich (belongs to CL)	Germany	A			
189	ETS Material	CAT I								
		CAT I			Thyseen Krupp	NASIK	A			

		Project/परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 09.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
		CAT II			Mitsubishi	Japan	A			
		CAT II			Arcelor	Luxemburg	A			
		CAT II			Salzgietter	Germany	A			
		CAT II			Alloverze	Germany	A			
		CAT I			JSW	BELLARY	A			
		CAT II			JFE	Japan	A			
190	Radial Leads (Slip Ring Shaft)	CAT II							ALSO FOR SL NO 71	
					Schmelzmetall AG	Switzerland	A			
191	Connection Rod for main Rotor	CAT II								
					Weiland werke	Germany	A			
					Swiss Metal	Switzerland	A			
192	Excitation System	CAT I								
					Alstom Power Sp. z o.o	Poland	A			
					GE power	NOIDA	A			
193	GHM(Generator health monitoring system)	CAT I								
					GE Power	Noida	A			
194	Excitation AC-DC Bus duct	CAT I								
					Etacom	Belgium	A		for Cast Resin	
					REEP	Chennai	A			
					C&S	NOIDA	A			
NOTE	1. CHECKS FOR STATOR CORE ASSLY, STATOR WINDING ASSEMBLY, ROTOR WINDING ASSLY.(GEN.), GENERATOR ROTOR -FINAL, BEARING ASSEMBLY/SHAFT SEAL ASSEMBLY, EXCITER ASSLY (MAIN & PILOT)/SLIP RING SHAFT ASSEMBLY WITH BRUSH GEARS, EXCITER TEST RUN, GENERATOR ASSEMBLY AT WORKS INCLUDING TERMINAL BUSHING & GENERATOR WORKS RUN TEST SHALL BE FINALIZED DURING DETAILED ENGINEERING/MQP FINALIZATION FOR THE RESPECTIVE OEMs. 2. For Raw Material/Components/Items of Generator which are not appearing in the above list, their OEM approved sources shall be tied up during Detailed Engineering/ MQP finalization.									
	D- MAJOR COMPONENTS FOR TOSHIBA MAKE GENERATOR (AS PER OEM SPECIFIC DESIGN):									
195	STATOR FRAME WITH MAN HOLE COVER FABRICATION & MACHINING	CAT I								
					TOSHIBA	JAPAN	A			
					TJPS	CHENNAI	A			
196	KEY BAR FABRICATION AND MACHINING	CAT I								
					TOSHIBA	CHENNAI	A			
					Kalyani Carpenter (Material)	Pune	A			
					Punj Lloyd (Machining)	Gwalior	A			
197	KEY BAR ASSEMBLY	CAT I								
					TOSHIBA	JAPAN	A			
					TJPS	CHENNAI	A			
198	DOVETAIL FOR STATOR	CAT I								
					TOSHIBA	JAPAN	A			
					TJPS	CHENNAI	A			
199	END PRESSURE PLATE - Fabrication									
		II			TOSHIBA	JAPAN	A			
		I			TJPS	CHENNAI	A			
199.1	End Pressure Plate - Machining	CAT II								
					TJPS	CHENNAI	A			
					Sharp Engineering	Pune	A			
					N.S Engg	Hyderabad	A			
200	STATOR CORE PUNCHING									
		I			TJPS	CHENNAI	A			
		II			TOSHIBA	JAPAN	A			
201	TERMINAL BOX FABRICATION& MACHINING									
		II			TOSHIBA	JAPAN	A			
		I			TJPS	CHENNAI	A			

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL इवालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 09.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
		I			Leo Prime	Chennai	A			
202	OVER HANG SUPPORT RING	CAT II								
					Leo Prime	Chennai	A			
203	SOLID COPPER CONDUCTOR (FOR STATOR BAR)	CAT II			HITACHI CHEMICAL	JAPAN	A			
					HITACHI CHEMICAL	JAPAN	A			
204	HOLLOW COPPER CONDUCTOR (FOR STATOR BAR)	CAT II			UNIMAC	JAPAN	A			
					UNIMAC	JAPAN	A			
					UNIMAC	JAPAN	A		HOLLOW CONDUCTOR (RAW MATERIAL FROM FURUKAWA-JAPAN)	
205	TERMINAL BUSHING (CONDENSER TYPE)	CAT II								
					PASSONI & VILLA	ITALY	A			
					Trench	Switzerland	A			
					Toshiba	Japan	A			
206	CONNECTING BUS BAR (PHASE BELTS) FABRICATION	CAT II								
					SUMIKEI COPPER	JAPAN	A			
					Oriental Copper	Thailand	A			
					Hitachi Cable	JAPAN	A			
207	INSULATING HOSES FOR STATOR (WATER SUPPLY HOSES)	CAT II								
					SAKURA RUBBER	JAPAN	A			
					CRANE RESISTOFLEX	USA	A			
					MIL	Chennai	A			
208	GENARATOR SHAFT FORGING	CAT II								
					SAARSCHMIEDE	GERMANY	A			
					SDF ITALY	ITALY	A			
					JCFC	JAPAN	A			
					JSW	JAPAN	A			
					BUDERUS EDESTAHL	GERMANY	A			
					Doosan	Korea	A			
208.1	GENERATOR SHAFT MACHINING	CAT I								
					TOSHIBA	JAPAN	A			
					TJPS	CHENNAI	A			
209	ETS MATERIAL	CAT II								
					NIPPON	JAPAN	A			
					JFE	JAPAN	A			
210	RETAINING RING FORGING (MAT-CrMn 18-18)	CAT II								
					SAARSCHMIEDE	GERMANY	A			
					JSW	JAPAN	A			
210.1	RETAINING RING MACHINING	CAT II								
					TOSHIBA	JAPAN	A			
					TJPS	Chennai	A			
211	SILVER BEARING COPPER HOLLOW STRIPS (ROTOR COIL)	CAT II								
					ORIENTAL COPPER	THAILAND	A			
212	FIELD LEAD CORE BAR FOR ROTOR WITH D LEAD	CAT II								
					KME	GERMANY	A			
					ORIENTAL COPPER	THAILAND	A			
					BAOSHIDA SWISS METAL	GERMANY	A			
213	CURRENT CARRYING BOLTS FOR ROTOR	CAT II								
					TOYO KOGYO	JAPAN	A			
					TOSHIBA	JAPAN	A			
214	ROTOR COIL FORMING	CAT II								
					TOSHIBA	JAPAN	A			
					TJPS	Chennai	A			

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 09.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
215	ROTOR SLOT WEDGES & DAMPER WEDGES FABRICATION & MACHINING	CAT II								
					MURUKAMI	JAPAN	A			
					FLAV	ITALY	A			
					TOSHIBA	JAPAN	A			
216	GENERATOR ROTOR -FINAL	CAT I								
					TOSHIBA	JAPAN	A			
					TJPS	Chennai	A			
217	MOLDED INSULATION RING (FAN NOZZLE RIM)	CAT I								
		II			PCT	USA	A			
		I			PERMALI WALACE	Bhopal	A			
218	FAN BLADE ASLY ON ROTOR									
		II			TOSHIBA	JAPAN	A			
		I			TJPS	Chennai	A			
219	D LEAD (FL CORE BAR)& CONTACT BOLT FOR SLIP RING									
		I			TJPS	Chennai	A			
		II			TOSHIBA	JAPAN	A			
220	END SHIELD FABRICATION & MACHINING	CAT I								
					SHAPE	HARIDWAR	A			
					TJPS	Chennai	A			
221	Bearing (CE & TE)									
		II			DSE	Korea	A			
		I			Omega Renk	Bhopal	A			
		II			DYM	Korea	A			
222	CENTERING RING FORGING									
		I			BAY FORGE	CHENNAI	A			
		II			MINATO KIKO	JAPAN	A			
		II			NISHIMAKI IRON WORKS	JAPAN	A			
		I			GOODLUCK	GHAZIABAD	A			
223	SEAL ASSLY (RING & HOUSING)	CAT II								
					TOSHIBA	JAPAN	A			
224	SLIP RING SHAFT ASSLY									
		I			TJPS	Chennai	A			
		II			TOSHIBA	JAPAN	A			
225	FAN BLADE FORGING & MACHINING									
		II			MURAKAMI SEISAKUSHO	JAPAN	A			
		I			TJPS	Chennai	A			
		I			Azad	Hyderabad	A			
		II			TOSHIBA	JAPAN	A			
226	HYDROGEN COOLER	CAT II								
					ENERGYEN	KOREA	A			
					KITASHIBA ELECTIRC	JAPAN	A			
					Karnataka Gas Coolers	Bangalore	A			
227	AC/DC BUSDUCT	CAT I								
					SPACEAGE	GURGAON	A			
					REEP	CHENNAI	A			
					C&S ELETRIC	NOIDA/HARIDWAR	A			
228	EXCITATION TRANSFORMER (DRY TYPE)	CAT I								
					RITZ	GERMANY	A		UPTO 8 MVA	
					BHEL	JHANSI	A		UPTO 6 MVA	
229	EXCITATION SYSTEM	CAT I								
					TOSHIBA	JAPAN	A			
					ABB	Bangalore	A			
230	HYDROGEN DRIER	CAT I								

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 09.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
					JINDAL ELECTRONICS	ROORKEE	A			
					MELCON ENGG	GREATER NOIDA	A			
					SPAN MANUFACTURING CO PVT LTD	ROORKEE	A			
NOTE	1. CHECKS FOR STATOR CORE ASSLY, STATOR WINDING ASSEMBLY, ROTOR WINDING ASSLY.(GEN.), GENERATOR ROTOR -FINAL, BEARING ASSEMBLY/SHAFT SEAL ASSEMBLY, EXCITER ASSLY (MAIN & PILOT)/ SLIP RING SHAFT ASSEMBLY WITH BRUSH GEARS, EXCITER TEST RUN, GENERATOR ASSEMBLY AT WORKS INCLUDING TERMINAL BUSHING & GENERATOR WORKS RUN TEST SHALL BE FINALIZED DURING DETAILED ENGINEERING/MQP FINALIZATION FOR THE RESPECTIVE OEMs. 2. For Raw Material/Components/Items of Generator which are not appearing in the above list, their OEM approved sources shall be tied up during Detailed Engineering/ MQP finalization.									
Items Identified as Main Contractor approved sources										
MC 1	Tubular Type Heater	III								
MC 2	Interlocks for ESP	III								
MC 3	Porcelain Bushing Insulators	III								
MC 4	Continous Cast Copper Rod	III								
MC 5	Unimpregnated Densified Wood	III								
MC 6	Marshalling Box Components	III								
MC 8	Air Cell	III								
MC 9	Terminal Connector	III								
MC 10	Oil Flow Indicator	III								
MC 11	Pressure Relief Valve	III								
MC 12	Magnetic Oil Level Gauge	III								
MC 13	OTI/WTI (RTD Type)	III								
MC 14	Off-Circuit Tap Changer	III								
MC 15	Cooling Fan & Motor Assembly	III								
MC 16	Silica Gel Breather	III								
MC 17	Bushing Metal Parts	III								
MC 18	Copper Conductor Bus Bar	III								
MC 19	Copper Foil/Sheet for Dry Type Transformer	III								
MC 20	Core cheese assembly for Bus Reactor	III								
MC 21	Core Clamps & OLTG Bracket, Core/Tie Bolt, Rods & Nuts	III								
MC 22	Epoxy Casting Material for Dry Type Transformer	III								
MC 23	Fibre Glass Covered Copper Conductor for Dry Type Transformer	III								
MC 24	Fibre Glass Sheet for Dry Type Transformer	III								
MC 25	Gaskets	III								
MC 26	Hardwares	III								
MC 27	Motor for OLTG	III								
MC 28	Sheet Metal Enclosure for Dry Type Transformer	III								
MC 29	Steel Plate & Pipe	III								
MC 30	Tank Fabrication up to 5 MVA	III								
MC 31	Temperature Surveillance Unit for Dry Type Transformer	III								
MC 32	Valves (for Radiator/Gun Metal/CI valves,etc.)	III								
MC 33	Gas Collecting Device	III								
MC 34	Networking of Numerical Relay	*(with Switchgear MQP)								
MC 35	Paint	III								
MC 36	Copper for Copper Flats & Copper strips/flexibles	III								
MC 37	OIL PURIFYING EQUIPMENT	CAT III								
MC 38	VACUUM PUMP WITH MOTOR	CAT III								
MC 39	ON LINE MOISTURE REMOVAL SYSTEM	CAT III								
MC 40	Oil Tanker (wheel mounted),10 kL capacity	CAT III								
MC 41	POST INSULATOR	CAT II								

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 09.05.2023 SUB-SYSTEM उप-प्रणाली: QA-ELEC	
		Package/ पैकेज: EPC PACKAGES								
		Supplier/ आपूर्तिकर्ता:								
		Contract No./ अनुबंध सं.:								
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
MC 42	DISC INSULATOR/ PIN INSULATOR	CAT II								
MC 43	FIBRE OPTIC CABLE	CAT I								
MC 44	EVENT LOGGER	CAT III								
MC 45	GPS TIME SYNCHRONISATION EQUIPMENT	CAT III								
MC 46	RELAY TEST KIT	CAT III								
MC 47	DISTURBANCE RECORDER	CAT III								
MC 48	OPERATIONAL ANALYSER WITH DCRM KIT	CAT III								
MC 49	FOTE	CAT II								
MC 50	OPGW	CAT II								
MC 51	LARGE VIDEO SCREEN (LVS)	CAT III								
MC 52	BELT WEIGHER	CAT II								
MC 53	WEIGH BRIDGE	CAT I								
MC 54	IN LINE MAGNETIC SEPARATOR / SUSPENDED MAGNET	CAT II								
MC 55	METAL DETECTOR	CAT II								
MC 56	CABLE REELING DRUMS	CAT II								
MC 57	PIANO SWITCHES	CAT III								
MC 58	PULL CORD / BELTSWAY / INDICATION SYSTEM	CAT II								
MC 59	ELECTRONIC SPEED SWITCH, ZSS, TILT SWITCH, MAGNETIC SWEITCH, PROXIMITY SWITCH	CAT II								
MC 60	HEAVY DUTY LIMIT SWITCHES	CAT II								
MC 61	UNDER BELT SWITCH	CAT II								
MC 62	GI CABLE TRAYS AND ACCESSORIES (LADDER & PERFORATED TYPE), fitting & accessories including bends	CAT II								
MC 63	GI FLEXIBLE CABLE TRAY SUPPORT SYSTEM	CAT II								
MC 64	Cable termination kits & straight through jointing kit	CAT II								
MC 65	Lighting fixtures with accessories (Filament type)	CAT II								
MC 66	Lighting fixtures with accessories (LED type)	CAT II								
MC 67	VFD MOTOR	CAT I								
MC 68	HFTR SET (Power Plus)	CAT I								
MC 69	Insulators for ESP (Bushing, Support , Shaft)	CAT III								
MC 70	Fire sealing system - Type A Material supplier	CAT II								
MC 71	Fire sealing system - Type B Material supplier	CAT III								
MC 72	Executing Agency for Fire sealing system	CAT I								
MC 73	Porcelain Insulator	CAT III								
MC 74	Lighting & Welding Transformer	CAT III								
MC 75	Industrial /welding receptacles & boxes	CAT III								
MC 76	LT Switchgear - Wall mounted fixed type indoor / outdoor LT Switchgear non compartmentalized Panel (Lighting panels / AC / DC Fuse boards etc.)	CAT II								
	L2 LIST OF MAJOR EQUIPMENT(POWER TRANSFORMER)								SOURCES FOR THESE ITEMS SHALL BE FINALIZED DURING DETAILED ENGINEERING AND MQP FINALIZATION	
1	CRGO STEEL	CAT II								
2	TANK FABRICATION	CAT II								
3	CRGO PROCESSORS	CAT II								

		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL इवालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 09.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
4	CONTINUOUSLY TRANSPOSED CONDUCTOR	CAT II								
5	PAPER INSULATED COPPER CONDUCTOR	CAT II								
6	INSULATING PAPER for PICC	CAT III								
7	MOULDED INSULATION COMPONENTS	CAT III								
8	PRE-COMPRESSED BOARDS & INSULATION COMPONENTS	CAT III								
9	OIL PUMP AND MOTOR SET	CAT II								
10	BUCHOLZ RELAY	CAT III								
11	ON LOAD TAP CHANGER	CAT III								
12	OFAF COOLER	CAT III								
13	RADIATORS	CAT II								
14	REGENERATIVE MAINTENANCE FREE BREATHER	CAT III								
15	CMS System	CAT I								
16	CMS PANEL	CAT II								
17	TRANSFORMER TESTING & MAINTENANCE EQUIPMENTS	CAT III								
	L2 LIST OF BUS DUCTS									
1	Air Pressurisation Equipment	CAT II								
2	Hot Air Blower	CAT II								
3	LAVT Cubicle / NG Cubicle/ Marshalling Box	CAT II								
4	CT for IPBD	CAT II								
5	Epoxy Seal off bushing / Insulators	CAT II								
NOTE	L2 LIST OF SWITCH GEAR								SOURCES FOR THESE ITEMS SHALL BE FINALIZED DURING DETAILED ENGINEERING AND MQP FINALIZATION	
1	Numerical Relays	CAT I							SUB-QR CLEARED VENDORS ARE ACCEPTABLE FOR NUMERICAL RELAYS	
2	Silver Plating	CAT III								
3	LV Air Circuit Breaker	CAT I								
4	LT CT/PT/CBCT/ Control Transformer	CAT II								
5	MV Vacuum Type Circuit Breaker	CAT I								
6	MV CT / PT & CBCT	CAT I								
7	MCBs	CAT III								
8	ENERGY METER	CAT III								
9	H.V. Fuse	CAT III								
10	Terminal Blocks (Control)	CAT III								
11	Surge Capacitors	CAT II								
NOTES:										
Note - 1 : Vendors to submit project specific documents as per Sub-QR requirements in case the Vendor is approved under collaboration agreement.										
Note - 2: Vendors under 'A' are approved and accepted by NTPC with/without conditions in the past. Similar conditions as the case may be for the vendor shall be applicable for this project and tied up in the quality plan.										
Note - 3: Main contractor approved sub vendors are acceptable those are evaluated / assessed as per Main contractor Quality Management System for vendor approval. Main contractor to inform the finally selected vendor to NTPC as soon as PO is placed for these items. In case of sub-QR Note-1 is also applicable.										
Note - 4 : BOI shall be reviewed and finalised during MQP approval for items/systems where ever applicable.										
Note - 5: Category of inspection for LT Cables:										
	For Total Contract Quantity per Size					Category Of Inspection				
	For cable total quantity ≤ 2.5 KM					Cat-III - submission of TC & Certificate of Conformance by Main Contractor for the manufacturers having successfully supplied to any NTPC project-site through Corporate contracts for atleast 2 years				
	For cable total quantity above 2.5 km & up to ≤ 10 km per size/type					Cat-II for the manufacturers having successfully supplied to any NTPC project-site through Corporate contracts for atleast 2 years				

		Project/परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL इवालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.:	
		Package/ पैकेज: EPC PACKAGES							REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:							DATE/ तिथि : 09.05.2023	
		Contract No./ अनुबंध सं.:							SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूची	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
	For cable total quantity above 10 km per size/type					Cat-I				
Note - 6: Category of inspection for Cable Trays & Cable Tray Flexible Support System:										
	For Total Contract Quantity per Size					Category of Inspection				
	For cable total quantity ≤ 2.5 KM					Cat-III - submission of TC & Certificate of Conformance by Main Contractor for the manufacturers having successfully supplied to any NTPC project-site through Corporate contracts for atleast 2 years				
	For cable total quantity above 2.5 km & up to ≤ 10 km per size/type					Cat-II for the manufacturers having successfully supplied to any NTPC project-site through Corporate contracts for atleast 2 years				
	For cable total quantity above 10 km per size/type					Cat-I				
Note - 7:	i) For Motors less than 50 KW: CAT-III. Acceptance of Motor less than 50 KW is based on COC of the Manufacturer and the Main Contractor confirming as follows: "It is hereby confirmed that the above mentioned motor /motors was/ were manufactured taking care of NTPC specific requirements regarding ambient temp., voltage & frequency variation, hot starts, pull out torque, starting KVA/KW, temp. rise, distance between centre of stud & gland plate and tested in accordance with approved drawing /data sheets". ii) For Motors 50 KW and less than 75 KW : CAT- II. Acceptance of Motor is based on NTPC review of Routine Test inspection report as per IS: 12615 / applicable standards duly witnessed by main contractor along with COC of the Manufacturer and the Main Contractor confirming as follows: "It is hereby confirmed that the above mentioned motor /motors was/ were manufactured taking care of NTPC specific requirements regarding ambient temp., voltage & frequency variation, hot starts, pull out torque, starting KVA/KW, temp. rise, distance between centre of stud & gland plate, space heater and tested in accordance with approved drawing /data sheets". iii) For Motors 75 KW & above : CAT- I . AS PER NTPC APPROVED QUALITY PLAN (To be submitted seperately for NTPC review & approval).									
Note - 8:	NTPC approved Galvanizers:									
	1. M/s M J Engg.Delhi			7. M/s National Galvanizer, Kolkata			13. M/s Gurpreet Galvanizer, Hyderabad		19. Unitech Fabricators & Galvanizers- Hoogly	
	2. M/s A.V. Engg. Kolkata			8. M/s Unistar Galvanizer, Kolkata			14. M/s Sigma, Mumbai			
	3. M/s Inar Profiles, Vishakapatnam			9. M/s B.P. Project. Kolkata			15. M/s Radhakrishnan Shetty, Chennai			
	4. M/s Anand Udyog, Mumbai			10. M/s Bajaj Pune			16. Karamtara Mumbai			
	5. M/s Techno Engg.Chandigarh			11. M/s Electrocure Industries, Mumbai			17. Poona Galvanizers Pune			
	6. M/S Steelite Engg. Mumbai			12. M/s B.G. Shirke, Pune			18. Neha Galvanizer- Kolkata			
Note - 9: Relevant certificates shall be submitted for NTPC approval.Approval conditions attached to above identified vendors, as applicable shall be adhered to.										
Note - 10 : Indigenous sub-vendors for Annexure-I items are acceptable subject to meeting the MLC (Minimum Local Content) in line with latest MOP order.										
LEGENDS / संकेतिका SYSTEM SUPPLIER/SUB-SUPPLIER APPROVAL STATUS CATEGORY /प्रणाली आपूर्तिकर्ता / सब -वेंडर की स्वीकृति की स्थिति की श्रेणी (SHALL BE FILLED BY NTPC एनटीपीसी द्वारा भरा जाएगा) A – For these items proposed vendor is acceptable to NTPC. To be indicated with letter “A” in the list along with the condition of approval, if any/ इन मदों के लिए प्रस्तावित वेंडर एनटीपीसी को स्वीकार्य है। अनुमोदन की शर्त , यदि कोई हो, के साथ-साथ पत्र “क” में इंगित किया जाए । DR – For these items “Detailed required” for NTPC review. To be identified with letter “DR” in the list. एनटीपीसी द्वारा इन मदों की समीक्षा के लिए “विस्तृत ब्यौर की आवश्यकता” होगी। सूची में “DR” पत्र में इंगित किया जाना चाहिए। QP/INSPN CATEGORY: क्यूपी / निरीक्षण की श्रेणी: CAT-I / श्रेणी- I: For these items the Quality Plans are approved by NTPC and the final acceptance will be on physical inspection witness by NTPC. इन मदों के लिए गुणवत्ता योजनाओं को एनटीपीसी द्वारा अनुमोदित किया जाता है और एनटीपीसी द्वारा अंतिम स्वीकृति भौतिक निरीक्षण के दौरान उपलब्ध गवाह के आधार पर दी जाएगी। CAT-II / श्रेणी- II: For these items the Quality Plans approved by NTPC. However no physical inspection shall be done by NTPC. The final acceptance by NTPC shall be on the basis review of documents as per approved QP. इन मदों के लिए गुणवत्ता योजनाओं को एनटीपीसी द्वारा अनुमोदित किया जाता है। हालाँकि एनटीपीसी द्वारा कोई भौतिक निरीक्षण नहीं किया जाएगा। एनटीपीसी द्वारा अंतिम स्वीकृति अनुमोदित क्यूपी के अनुसार दस्तावेजों की समीक्षा के आधार पर दी जाएगी। CAT-III/ श्रेणी-III : For these items Quality control to be exercised as per Main contractor Quality Assurance System. The final acceptance by NTPC shall be on the basis of Certificate of Conformance (COC) by Main Contractor. UNITS/WORKS इकाईयाँ / कार्य: Place of manufacturing/ निर्माण का स्थान Place of Main Supplier of multi units/works/बहु- इकाईयाँ / कार्य के मुख्य सप्लायर का स्थान. : Control measure of item covered in quality plan of main item.										

 एन टी पी सी एक महारत्न कम्पनी		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00	
		PACKAGE : EPC PACKAGES									DATE :02.05.2023	
		CONTRACTOR:									SUB SECTION: C&I	
		CONTRACT NO :										
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval_Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark	
1	AAQMS System											
		I				ACOEM Ecotech Industries Pvt Ltd	Pithampur	A			1. So2 ,Nox,CO,CO2 ,Ozone ,PM-10,PM-2.5 & multipoint calibrator will be from Ecotech Australia 2.Metrological sensor from Dynalab 3. Mercury analyser from LOA agreed sources 4.PI refer Note-07	
		I				Horiba India Pvt ltd	Pune	A			1. So2 ,Nox,CO,CO2 ,Ozone & multipoint calibrator will be from Horiba Japan 2.PM-10,PM-2.5 ,TSP will be from Met One USA & metrological sensor from Spectrum USA 3. Mercury analyser from LOA agreed sources	
		I				Enviroment SA India Pvt. Ltd.	Mumbai	A			1.Analysers SO2,Nox,CO2 & SPM from Environment SA France, 2-Multipoint Calibrator From envoiement SA France 3-Metrological Sensor with interface unit from M/s LSI Lastem SRL, Italy	
		I				Thermo Fisher Scientific India Pvt. Ltd	Mumbai	A			1) Analysers (Sox,Nox,CO,SPM,RSPM ,Ozone) ,multi gas calibrator shall be sourced from their principle Thermo Environmental ,USA (Division of M/S Thermo fisher Scientific ,USA) 2)Metrological sensors shall be sourced from M/S Metone Instruments USA	
		I				Chemtrol Engineering Ltd	Goa	A			1. Analysers from M/S Teledyne USA except Mercury analyser . 2.Metrological sensors & SPM analysers from Met one Instruments Inc USA 3.PI refer note-07	
2	Acoustic pyrometer System											
		I				Lucent Marcons Pvt Ltd (As a system Integrator of M/S Scientific Environmental Instruments, Inc. (SEI) USA)	Noida	A			1.Boiler watch processor control unit, acoustic sensor (Pizeo/Microphone with prefab cable) , Preamplifier , mapping software & analog output cards shall be from M/S SEI USA . 2. Enclousure ,OWS ,Waveguide ,Transition cone with flange , venturi , Tube box etc shall be from M/S SEI USA approved sources to be tiedup in MQP. 3. PI refer Note-07	

 एन टी पी सी		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00
		PACKAGE : EPC PACKAGES									DATE :02.05.2023
		CONTRACTOR:									SUB SECTION: C&I
		CONTRACT NO :									
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark
		I				Hi-Tech Systems & Services Ltd (As a system Integrator of M/S Bonnenberg + Drescher GmbH, Germany)	Kolkata	A			1.All critical components are to be procured from M/S Bonnenberg + Drescher GmbH, Germany 2.Standard indigenous components like Solenoid valve (Asco make) ,matching flange ,printer & monitor table shall be supplied by M/S Hi- Tech
		II				Scientific Environment Instrument Inc (SEI)	USA	A			1.PCU ,Acoustic sensor ,Preamplifier mapping software shall be from SEI USA . 2. Enclosure ,OWS ,Waveguide ,Tube box etc shall be from SEI approved sources to be tiedup in MQP. 3.Pl refer Note-07
		II				Bonnenberg + Drescher GmbH,	Germany	A			
		II				STOCK Equipment Co	USA	A			
3	Addressable Detector (Multisensor , Photo & Heat Detectors Type), Interface units & Manual call points										
		II				Honeywell Life Safety-HIPL	Gurugram	A			Notifier Brand (Detector, Interface Module only)
		II				Schrack	Austria	A			
		II				Autronica	Norway	A			
		II				Edwards	Mexico	A			
		II				Notifier	USA	A			
		II				Sheld Fire safety	UK	A			
		II				Jhonson Controls	USA	A			Simplex Brand
4	Battery for 24VDC charger & UPS										
		Note-4				Hoppecke Batterien GmbH & Co Kg	Germany	A			For Lead Acid- Plante
		Note-4				Exide	Kolkata	A			For Lead Acid- Plante
		Note-4				SAFT India Ltd	Bengaluru	A			For Ni-Cd
		Note-4				HBL Power	Hyderabad	A			For Ni-Cd ,Upto 990AH (H type)
		Note-4				SAFT	France/Sweedon	A			For Ni-Cd
		Note-4				Hoppecke Batterien GmbH & Co Kg	Germany	A			For Ni-Cd
5	Blank Panels / Cabinets										
		III				Pyrotech Electronics Pvt. Ltd	Udaipur	A			
		III				Rittal India Private Ltd	Bengaluru	A			
		III				Hoffman	Bengaluru	A			
		III				BHEL	Bengaluru	A			
		III				BCH ELECTRIC LIMITED	Faridabad	A			
6	Boiler tube leak detection system (ASLD)										
		III				HI Tech System & services Ltd (System Integrator of Acoustic Monitoring International Inc. USA)	Kolkata	A			1.M/S Acoustic Monitoring International Inc. USA Make system Conditional as per approval letter 01/CQA/9573-102/Hi-tech-AMI dated 11.04.2013 2.Pl refer Note-07
		III				Raman Instruments (System Integrator of M/S Procon UK)	Delhi	A			1.M/S Procon UK Make system 2.Pl refer Note-07
		III				BHEL Ltd	Trichurapalli	A			
		III				Instrotech (PTY) Ltd	South Africa	A			

 एन टी पी सी एक महारत्न कंपनी		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00	
		PACKAGE : EPC PACKAGES									DATE :02.05.2023	
		CONTRACTOR:									SUB SECTION: C&I	
		CONTRACT NO :										
Sr No	Item Description	QP Inspection Category	QP No	QP submis sion SCH	QP approv al SCH	Proposed Sub Supplier	Country	SS Approval_Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark	
		III				Rectuson Co. Ltd	S.Korea	A				
		III				Procon Engineering	UK	A				
		III				Acoustic Monitoring International Inc. (AMI)	USA	A				
7	CCTV System (IP Based)											
		III				Axis	Sweden	A			1-CCTV components will be of Axis communication AB,Sweden make & Video Management Software will be of Milestone Brand. 2.Other BOI items shall be from LOA approved sources & will be tied up during the finalization MQP.	
		III				Bosch	Bengaluru	A			1.CCTV components will be of M/S Bosch make, and supplied through M/s Bosch, Bengaluru. 2.Other BOI items shall be from LOA approved sources & will be tied up during the finalization MQP.	
		III				Pelco	USA	A			1.CCTV components will be of M/S Pelco, USA make 2.Other BOI items shall be from LOA approved sources & will be tied up during the finalization MQP.	
7A	CCTV System (IP Based) /System Integrators											
		I				Jonson Control India Pvt Ltd	Mumbai	A			M/S Pelco Make CCTV system	
		I				Toshniwal Industrial Pvt Ltd	Ajmer	A			M/S Axis Make CCTV system	
		I				L&T TECHNOLOGY SERVICES	Bengaluru	A			M/S Bosch Make CCTV system	
		I				Score Information Technologies Limited	Kolkata	A			M/S Bosch Make CCTV system	
8	Control Desk											
		I				Pyrotech Workspace Solutions Pvt Ltd	Udaipur	A			BOI items like Mosaic tiles /Console items shall be as per LOA approved sources	
		I				Cosmos Media Products Pvt Ltd	Greater Noida	A			1.BOI items like Mosaic tiles /Console items shall be as per LOA approved sources 2. H block should be from knurr Germany .Solid acrylic surface should be procured from Du Pont/NTPC approved sources 3.Extruded Al profile structure should be procured from Hindalco (With Knurr design)	
		I				Adarsha Control system Pvt Ltd	Bengaluru	A			1.BOI items like Mosaic tiles /Console items shall be as per LOA approved sources 2. Acrylic solid surface (ASS) should be procured from Du Pont /NTPC approved sources 3.wood works are to be done by M/S C K Furn Bengaluru	
9	Control Valves											
9-A	Control Valves for Aux PRDS system including desuperheater											

 एक महारत्न कम्पनी		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00
		PACKAGE : EPC PACKAGES									DATE :02.05.2023
		CONTRACTOR:									SUB SECTION: C&I
		CONTRACT NO :									
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark
		I				Instrumentation Limited	Palakkad (Kerala)	A			Up to A182F92 material with conditions as per approval letter
		I				Koso India Pvt limited	Nasik	A			Up to A182F92 material with conditions as per approval letter
		I				Bomafa Special Valve solutions Pvt ltd	Ahmedabad	A			Up to A182F92 material with conditions as per approval letter
		I				KSB MIL Controls Ltd	Thrissur (Kerala)	A			As per approval Ref: 02/CQA/SG/Tanda/MIL Dated 30.09.2015
		I				Control Component India PVT Ltd	Sricity (Andhra Pradesh)	A			1.MQP shall be vetted by M/S CCI -USA 2.Sources of major components like casting /forging and actuators shall be tied up during finalization of MQP
		II				Parcol SPA	Italy	A			
		II				Daume	Germany	A			
		II				HOLTER	Germany	A			
9-B	Control Valve for Start Up System										
		I				Control Component India PVT Ltd	Sricity (Andhra Pradesh)	A			1.The critical components of control valve i.e. Disk Stack (Drag technology) shall be sourced from CCI, USA/CCI S. Korea . 2.The positioner from NTPC approved sources & pneumatic actuators are sourced from CCI S.Korea 3.Control valve to be manufactured as per CCI USA design & drawing.
		I				KOSO India Pvt Ltd	Nasik	A			
		I				Emerson Process Management Ltd	Chennai	A			
		II				Dresser Produits industriels Industriels S.A.S	France	A			
		II				SEMPELL AG	Germany	A			Up To size 20 Inches & 2500 ANSI Class
		II				Nihon Koso Co Ltd	Japan	A			
		II				HORA	Germany	A			
		II				CCI	S.Korea	A			
		II				Emerson (Fisher)	USA/France/Japan	A			
9-C	Control Valve for BFP Recirculation.										
		I				Control Component India PVT Ltd	Sricity (Andhra Pradesh)	A			1.The critical components of control valve i.e. Disk Stack (Drag technology) shall be sourced from CCI, USA/CCI S. Korea . 2.The positioner from NTPC approved sources & pneumatic actuators are sourced from CCI S.Korea 3.Control valve to be manufactured as per CCI USA design & drawing.
		I				KOSO India Pvt Ltd	Nasik	A			
		I				KSB MIL Controls Ltd	Thrissur (Kerala)	A			Up to 10 Inches & 3400 ANSI class
		II				Dresser Produits industriels Industriels S.A.S	France	A			
		II				Nihon Koso Co Ltd	Japan	A			
		II				CCI	USA	A			

 एनटीपीसी NTPC		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00	
		PACKAGE : EPC PACKAGES									DATE :02.05.2023	
		CONTRACTOR:									SUB SECTION: C&I	
		CONTRACT NO :										
Sr No	Item Description	QP Inspection Category	QP No	QP submis sion SCH	QP approv al SCH	Proposed Sub Supplier	Country	SS Approval_Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark	
		II				Emerson (Fisher)	USA/France/Japan	A				
9-D	Control valve for feedwater flow Control											
		I				Control Component India PVT Ltd	Sricity (Andhra Pradesh)	A			1.The critical components of control valve i.e. Disk Stack (Drag technology) shall be sourced from CCI, USA/CCI S. Korea . 2.The positioner from NTPC approved sources & pneumatic actuators are sourced from CCI S.Korea 3.Control valve to be manufactured as per CCI USA design & drawing.	
		I				KOSO India Pvt Ltd	Nasik	A				
		I				Emerson Process Management Ltd	Chennai	A			Control valve body assembly will be from Nippon Fisher ,Japan with IBR form III C certificates .	
		I				KSB MIL Controls Ltd	Thrissur (Kerala)	A			1.Provision of straight type of brackets for linkage mechanism .2.Factory fitted strainer /diffuser type seat ring . 3.AFR with T connector for pneumatic connection to volume booster	
		II				Dresser Produits industriels Industriels S.A.S	France	A				
		II				Nihon Koso Co Ltd	Japan	A			CONDITIONAL	
		II				CCI	USA / Austria / S.Korea / Switzerland	A				
		II				Emerson (Fisher)	USA/France/Japan	A				
9-E	Control valves for Soot blower pressure reducing ,SH/ RH Attemperation.											
		I				Control Component India PVT Ltd	Sricity (Andhra Pradesh)	A			1.The critical components of control valve i.e. Disk Stack (Drag technology) shall be sourced from CCI, USA/CCI S. Korea . 2.The positioner from NTPC approved sources & pneumatic actuators are sourced from CCI S.Korea 3.Control valve to be manufactured as per CCI USA design & drawing.	
		I				KOSO India Pvt Ltd	Nasik	A				
		I				Emerson Process Management Ltd	Chennai	A				
		I				KSB MIL Controls Ltd	Thrissur (Kerala)	A				
		I				GE Oil & Gas India Pvt Limited	Coimbatore	A			up to 2500 ANSI Class	
		I				Flow Serve India Controls Pvt Ltd	Bengaluru	A				
		I				Instrumentation Limited	Palakkad (Kerala)	A			only for SH / RH	
		II				Nihon Koso Co Ltd	Japan	A				
		II				Dressor Masoncilan	USA	A			only for SH / RH/ up to 2500 class	
		II				Dresser Produits industriels Industriels S.A.S	France	A				
		II				SPX Flow Technology	USA	A			only for SH / RH	
		II				Leslie Controls Inc	USA	A			only for SH / RH	
		II				Sempell AG (Tyco group)	Germany	A			only for SH / RH	

 एन टी पी सी NTPC		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00	
		PACKAGE : EPC PACKAGES									DATE :02.05.2023	
		CONTRACTOR:									SUB SECTION: C&I	
		CONTRACT NO :										
Sr No	Item Description	QP Inspection Category	QP No	QP submis sion SCH	QP approv al SCH	Proposed Sub Supplier	Country	SS Approval_Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark	
		II				CCI	USA/Sweden /S.Korea	A				
		II				Emerson (Fisher)	USA/France /Japan	A				
9-F	Control valve(Other application)											
		I				Mascot Valves Pvt Ltd	Ahmedabad	A			Up to size 12 inches & 900 ANSI class	
		I				Control Component India PVT Ltd	Sricity (Andhra Pradesh)	A			Up to 2500 ANSI class	
		I				KOSO India Pvt Ltd	Nasik	A				
		I				KSB MIL Controls Ltd	Thrissur (Kerala)	A			Up to 2500 ANSI class	
		I				Emerson Process Management Ltd	Chennai	A			Up to 2500 ANSI class	
		I				GE Oil & Gas India Pvt Ltd	Coimbatore	A			Up to size 10 inches & 900 ANSI class /Up to size 24 inches & 600 ANSI class	
		I				Flow Serve India Controls Pvt Ltd	Bengaluru	A			Up to size 14 inches & 600 ANSI class	
		I				Forbes Marshal Arca Pvt. Ltd.	Pune	A			Up to size 16 inches & 900 ANSI class	
		I				Instrumentation Limited	Palakkad (Kerala)	A			Up to 2500 ANSI class	
		I				Severn Glocon India Pvt Ltd	Chennai	A			Up to size 14 inches & 300 ANSI class	
		II				CCI	USA/Sweden /S.Korea	A				
		II				Nihon Koso Co Ltd	Japan	A				
		II				Emerson (Fisher)	USA/France /Japan	A				
		II				Leslie Controls Inc	USA	A				
		II				PARCOL S.P.A	Italy	A				
		II				Dresser Produits industriels Industriels S.A.S	France	A				
		II				HORA	Germany	A				
		II				Wellend & Tuxhorn	Germany	A				
		II				SPX Flow Technology	USA	A				
		II				Sempell AG (Tyco group)	Germany	A				
9-G	Control Valve (Ceramic lined)											
		I				Samson Controls Pvt Ltd	Pune	A			1. For M/S Samson Cera Germany make valve Up to 10 inches size & 150 ANSI class 2. BOI shall be tied up at the time of finalisation of MQP	
10	DDCMIS											
		I				ABB	Germany	A				
		I				SIEMENS AG	Germany	A				
		I				Emerson Process Management Asia Pacific Pvt Ltd	Singapore	A				
		I				Hitachi nest control system Pvt Ltd	Bengaluru	A				
		I				Honeywell Automation India Ltd	Pune	A				
		I				GE	France	A				
		I				SIEMENS	Gurugram	A				
		I				BHEL	Bengaluru	A			For MAX DNA System	
		I				Yokogawa	Bengaluru	A				
		I				GE Power India Ltd	Noida	A				
		I				Toshiba	Japan	A				
		I				ABB	Bengaluru	A				
		I				Emerson Process Management Ltd	Pawane	A				

 एन टी पी सी एक महारत्न कम्पनी		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00	
		PACKAGE : EPC PACKAGES									DATE :02.05.2023	
		CONTRACTOR:									SUB SECTION: C&I	
		CONTRACT NO :										
Sr No	Item Description	QP Inspection Category	QP No	QP submis sion SCH	QP approv al SCH	Proposed Sub Supplier	Country	SS Approval Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark	
11	Dust Emission Monitor											
		III				Durag India Instrumentation Pvt Ltd	Bengaluru	A			1. For Durag Germany Make Extractive Type Dust density analyser 2. Other components shall be as per approval letter CQA/NTPC BARH STPP-I / D-263 / Durag India Instrumentation Pvt Ltd Bengaluru Dated 28.08.2019	
		III				Sick India Pvt Ltd	Mumbai	A			1.For SICK AG Make Extractive Type Dust density analyser 2. Other components shall be as per approval letter CQA/NTPC BARH-I /S-907/M/S SICK India Pvt Ltd dated 28.08.2019	
		III				Environment SA India Pvt Ltd	Navi Mumbai	A			1.For ENEVA UK Make Extractive Type Dust density analyser 2. Other components shall be as per approval letter No.: CQA/NTPC BARH-I / E-335 / M/S Environment SA India Pvt Ltd Dated 16.09.2019	
		III				Land Instruments International	UK	A			For In Situ type /Optical Transreceiver type	
		III				Codel	UK	A			For In Situ type /Optical Transreceiver type	
		III				Durag Industrie Elektronik GmbH & Co KG	Germany	A			For In Situ type /Optical Transreceiver type & Extractive Type	
		III				Emerson Process Management	Ireland	A			For In Situ type /Optical Transreceiver type	
		III				SICK AG	Germany	A			For In Situ type /Optical Transreceiver type & Extractive Type	
		III				ENEVA	UK	A			For Extractive Type Dust density analyser	
12	Electrical Actuators											
12-A	Electrical Actuator (With gear box if applicable)											
		II				Antrieb Technik Pvt Ltd	Chennai	A			For low torque applications only	
		II				Auma	Bengaluru	A				
		II				Limitorque	Faridabad	A			Model no L120,SMB,LY series, Gear Box T, HBC Series	
		II				Rotork	Bengaluru	A			For low torque app (Up to 1000 Nm)	
		II				Rotork Controls (India) Private Ltd	Chennai	A			For low torque app (Up to 1000 Nm) & High torque 4000 to 7000 Nm With integral starter for non critical applications	
		III				Auma	Germany	A				
		III				Limitorque	USA	A				
		III				Rotork	UK	A			For low torque app (Up to 1000 Nm)	
		III				Nippon gear	Japan	A				
		III				Drehmo GMBH	Germany	A			C Matic Series (DMC/DMCR)	
12-B	Electrical Actuator- Non-Intrusive (With gear box if applicable)											
		I				Auma India Pvt Ltd	Bengaluru	A			Also acceptable for Field Bus based applicable	
		I				Rotork Control	Chennai	A			Upto 630Nm	
		III				Flowserve	USA	A			Also acceptable for Field Bus based applicable	
		III				Bernard Controls	France	A				

एनडीपीसी NTPC एक महारत्न कंपनी		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00	
		PACKAGE : EPC PACKAGES									DATE :02.05.2023	
		CONTRACTOR:									SUB SECTION: C&I	
		CONTRACT NO :										
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark	
12-C	Electrical actuator for ID/FD/PA Blade pitch ,IGV &SCOOP											
		III				Harold Beck & Sons Inc	USA	A				
		III				SIPOS Aktorik GmbH	Germany	A				
13	Electronics Transmitter (Pressure , DP and DP based Flow/Level)											
13-A	Electronics Transmitter (Pressure , DP and DP based Flow/Level)											
		III				ABB Ltd	Bengaluru	A			2600T & critical item from ABB Italy/ Their approved source;	
		III				Emerson Process Management Ltd	Pawane	A				
		III				Siemens Ltd	Thane	A			Model:-SITRANS P	
		III				Honeywell Automation India Ltd	Pune	A				
		III				Baldota Control and Equipment Pvt Ltd	Navi Mumbai	A			PT & DPT of LD 301 Series (SMAR)	
		III				Yokogawa India Limited	Bengaluru	A			EJA-E 110,430,530 SERIES & all raw material and BOI under knocked down condotion (sensor assembly as a single unit) shall be sourced from M/S Yokogawa Japan	
		III				M/s Endress + Hauser India Automation Instrument Pvt Ltd	Aurangabad	A				
		III				Emerson (Rosemount)	USA	A				
		III				Yokogawa	Japan	A				
		III				ABB	Germany / Italy	A			2600T & critical item from ABB Italy/ Their approved source;	
		III				Siemens	France	A			Sitrans P DSIII Series	
		III				Fuji Electric	France	A			FCX -AIII SERIES	
		III				Fuji	Japan	A				
13-B	Electronics Transmitter -Field Bus Based (Pressure , DP and DP based Flow/Level)											
		I				ABB India Ltd	Bengaluru	A			One no of Transmitter will be sent at DDCMIS supplier for function testing of field bus communication with DDCMIS during FAT	
		I				Yokogawa India Limited	Bengaluru	A			EJA-E 110,430,530 SERIES & all raw material and BOI under knocked down condotion (sensor assembly as a single unit) shall be sourced from M/S Yokogawa Japan	
14	EOMS											

 एन टी पी सी एक महारत्न कम्पनी		PROJECT : Sipat-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00	
		PACKAGE : EPC PACKAGES								DATE :02.05.2023	
		CONTRACTOR:								SUB SECTION: C&I	
		CONTRACT NO :									
Sr No	Item Description	QP Inspection Category	QP No	QP submis sion SCH	QP approv al SCH	Proposed Sub Supplier	Country	SS Approval_Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark
		I				SWAN	Hyderabad	A			1. Conductivity analyser, pH analyser and Temperature Transmitter will be of M/s ABB, UK make . 2. TSS analyser will be of M/s Daeyoon, South Korea make . 3. Oil in water analyser will be of M/s TriOs, Germany make. 4. Online BOD/COD analyser will be of M/s Shimadzu, Japan make . 5. Flow meter will be of M/s Khronc Marshall, Maharashtra make. 6. Data Aquisition System will be procured from Knowledge Lens, Karnataka.
15	Fiber optic cable										
		Note-3				U M Cables Ltd	Silvassa (Daman)	A			
		Note-3				KEC International Ltd	Mysore	A			
		Note-3				Apar Industries Limited	Valsad (Gujrat)	A			
		Note-3				HFCL	Goa	A			
		Note-3				Aksh Fibre	Bhiwadi (Raj)	A			
		Note-3				Finolex Cable Ltd	Goa	A			
		Note-3				Birla Cable Limited	Rewa	A			
		Note-3				R&M	Switzerland	A			
		Note-3				Molex	UK	A			
		Note-3				Corning	USA	A			
16	Fire alarm Panel										
		II				Toshniwal Industrial Pvt Ltd	Ajmer	A			1.M/S Notifier Make Fire alarm Panel 2.PI Refer Note-07
		II				Bosch Security system	Bengaluru	A			1.Detector , Hooter, MCP, Modules, Panel shall be M/s Bosch Make
		II				Notifier	USA	A			
		II				Autronica	Norway	A			
		II				Schrack	Austria	A			
		II				Edwards	Mexico	A			
		II				Shield Fire safety and security Ltd	UK	A			
		II				Jhonson Controls	USA	A			Simplex Brand
17	Flame Monitoring System (Scanner)										
		I				Lucent Marcons Pvt Ltd (System Integrator of M/S Forney Corporation USA)	Noida	A			1.Flame detector, amplifier ,light guide fiber optic , smart display programming unit , test kit & simulator will be supplied from M/S Forney Corporation USA 2.Other components like outer carrier ,IDD cable with connector , expander , Y connector with adapter gasket , fastners & signal isolators will be supplied from M/S Forney Corporation USA approved sources . 3.PI Refer Note-7
		I				HI Tech System & services Ltd (System Integrator of BFI Germany)	Kolkata	A			1.For BFI Germany make system 2. PI Refer Note-7

 एन टी सी एक महारत्न कम्पनी		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00
		PACKAGE : EPC PACKAGES									DATE :02.05.2023
		CONTRACTOR:									SUB SECTION: C&I
		CONTRACT NO :									
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval_Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark
		II				Durag India Instrumentation Pvt Ltd	Bengaluru	A			For Durag Germany make system
		II				Forney Corporation	USA	A			
		II				BFI	Germany	A			
		II				Durag GmbH	Germany	A			
		II				Emerson (COEN)	USA	A			
		II				BHEL	Trichurapalli	A			
18	Flow nozzle assembly										
		I				Microprecision Product Pvt Ltd	Palwal	A			Up to Alloy steel material grade P-92 & other conditions as per approval letter
		I				Minco India Flow Elements Pvt. Ltd.	Goa	A			Up to size 26 Inches for Alloy steel/ Stainless steel pipe SA335 P-11, P -22 and SA 335 P-91 & other conditions as per approval letter
		I				Instrumentation Limited	Palakkad (Kerala)	A			Up to alloy steel grade P-92 subject to qualified WPS & other conditions as per approval letter
		I				Starmech controls (India) Pvt Ltd	Pune	A			Up to alloy steel grade P-92 subject to qualified WPS & other conditions as per approval letter
		II				SEIKO	Czech Republic	A			
		II				WISE Control	S.Korea	A			
		II				Technomatic	Italy	A			
19	Flue Gas Analyser (CO)										
		III				Forbes Marshall Pvt Ltd	Pune	A			For In situ type CO analyser
		III				ICE (Asia) Pvt Ltd	Mumbai	A			For In situ type CO analyser 1. CO analyser from Protea UK 2. Other components like, Mounting Flanges, tubing, fittings ,junction boxes, air purging system , calibration cylinders & cables will be supplied by ICE (Asia) Pvt Ltd 3.Pl refer Note-7
		III				Sick India Pvt Ltd	Mumbai	A			For In Situ Type / CO analyser from SICK AG & Other components like ,Protection tube ,Flanges ,tubing ,fittings ,junction boxes, solenoid valves & calibration cylinders will be supplied by M/S Sick India Pvt Ltd .
		III				Emerson Process Management Ltd	Pawane	A			For M/S Emerson Germany/ USA make Analyser
		III				Codel	UK	A			
		III				Land Instruments International	UK	A			
		III				Sick AG	Germany	A			For In Situ Type
		III				Envoirement SA	France	A			For Hot Extractive
		III				Fuji Electric	Japan	A			
		III				Servo max Group	UK	A			
		III				Siemens	Germany	A			
20	Flue Gas Analyser (CO2,SO2 and Nox)										
		III				Sick India Pvt Ltd	Mumbai	A			For In Situ Type SO2 analyser 1. Analyser will be from Sick AG Germany 2. Other components like ,Whether proof covers ,flanges ,purge air unit ,junction boxes ,cables ,PC ,remote display ,gas cylinders shall be supplied by M/s Sick India Pvt Ltd

 एन टी पी सी एक महारत्न कंपनी		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00	
		PACKAGE : EPC PACKAGES									DATE :02.05.2023	
		CONTRACTOR:									SUB SECTION: C&I	
		CONTRACT NO :										
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark	
		III				Emerson Process Management Ltd	Pawane	A			For M/s Emerson Germany/ USA make Hot Extractive SO2, NOx Analyser	
		III				Envoirement SA	France	A			For Hot Extractive	
		III				Fuji Electric	Japan	A			Hot Extractive Type For SO2 & Nox	
		III				Siemens	Germany	A			Hot Extractive Type For SO2 & Nox	
		III				Yokogawa Electric Corporation	Japan	A			IR-400 Series (Hot Extractive Type For CO2, SO2 & NOx)	
		III				Servo max Group	UK	A			Hot Extractive Type For SO2 & Nox	
		III				Sick AG	Germany	A			Hot Extractive Type For CO2, SO2 & NOx and In situ type for SO2 analyser	
21	Flue Gas Analyser O2 Analyser (HT)											
		III				SECO	Chennai	A				
		III				Marathon Monitor	USA	A				
		III				Servo max Group	UK	A				
22	Flue Gas Analyser {O2 Analyser (LT)}											
		III				Sick India Pvt Ltd	Mumbai	A			For In Situ Type 1. Analyser will be from Sick AG Germany 2. Other components like ,Whether proof covers ,flanges ,purge air unit ,junction boxes ,cables ,PC ,remote display ,gas cylinders shall be supplied by M/s Sick India Pvt Ltd	
		III				Analysar Instruments Co Pvt Ltd	Kota	A			For In Situ Type 1.Main parts like Sample probe & Analyser will be supplied by M/s Enotec Germany. 2. Other components like auto calibration unit ,probe protector ,enclosure panel & calibration kit will be supplied & integrated M/s AIC kota. 3.Pl refer Note-07	
		III				Emerson Process Management Ltd	Pawane	A			For In Situ Type For M/s Emerson USA make Analyser	
		III				ABB	Bengaluru	A			For In Situ Type For M/s ABB UK make Analyser	
		III				Yokogawa India	Bengaluru	A			For In Situ Type For M/s Yokogawa Japan make Analyser	
		III				Enotech GmbH	Germany	A			For In Situ Type	
		III				Ametek	USA	A			For In Situ Type	
		III				Yokogawa Electric Corporation	Japan	A			For In Situ Type	
		III				Servo max Group	UK	A			For In Situ Type	
		III				Sick AG	Germany	A			For In Situ Type	
23	Continous Emission Monitoring system											
		I				Horiba India Pvt Ltd	Pune	A			Approval conditions as per approval letter no - CQA/NTPC Mauda-II / H-321 / M/S Horiba India Pvt Ltd Dated 03.10.2019	
		I				Yokogawa India Ltd	Bengaluru	A			1. SO2,NOx & CO2 Analyser will be from M/S Yokogawa Electric Corporation Japan . 2.Other Conditional as per approval letter no Ref. No.:-CQA/BARH-I / Y-023/ M/s Yokogawa India Ltd dated 21.05.2020	

 एन टी पी सी NTPC		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00	
		PACKAGE : EPC PACKAGES									DATE :02.05.2023	
		CONTRACTOR:									SUB SECTION: C&I	
		CONTRACT NO :										
Sr No	Item Description	QP Inspection Category	QP No	QP submis sion SCH	QP approv al SCH	Proposed Sub Supplier	Country	SS Approval_Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark	
		I				Adage Automation Pvt Ltd.	Goa	A			For M/s Siemens Germany make SO2,NOx & CO2 Analysers	
		I				Thermo Fisher Scientific India Pvt. Ltd	Pune	A			Approved only for Dilution Extractive Technique 1)Analyser (SO2,NOx,CO,CO2,Mercury) , sampling probe ,sample handling system ,umbilical cord etc to be supplied from M/S Thermo Fisher USA . 2) Other BOI shall be as per LOA approved sources	
		I				Emerson Process Management India Pvt Ltd	Pawane	A			For M/s Emerson Germany make SO2,NOx & CO2 Analysers other conditions as per approval letter.	
		I				Analysers Instruments Co Pvt Ltd	Kota	A			Analysers from Fuji Japan & other BOI shall be as per LOA approved sources .	
		I				Envoirement SA India Pvt Ltd	Navi Mumbai	A			Hot Extractive Type / 1.Multipoint gas Analyzers MIR-9000 for SO2, NOx,CO2 & CO ,Probe ,Nafyon drier & heater for drier will be of M/S Environment SA France make. 2. Other components shall be as per the approval letter ref no CQA/NTPC Telangana/E-335/M/SEnvoirement SA India dated 12.02.2019	
24	Furnace Flame viewing system (High Temperature CCTV Components)											
		III				Sertel Electronics Pvt. Ltd.	Chennai	A			Approved for Visible type only	
		III				Hi Tech System and Service (System Integrator of M/S Lenox USA)	Kolkata	A			1.M/S Lenox USA Make System 2.Pl refer Note-07	
		III				Durag India Instrumentation Pvt Ltd	Bengaluru	A			1.Complete Camera Assembly, IRIS Control etc. from Durag Germany 2.Other Component like chiller, vedio monitor, OFC ,Panel from M/S Durag Approved sources	
		III				TLT Engg Pvt. Ltd. (System Integrator of M/S Diamond Power USA/ Sweden make system)	Kolkata	A			1.M/S Diamond Power USA/ Sweden make system 2.Pl refre Note-07	
		III				Toshniwal Industries (System Integrator of M/S Mirion UK make system)	Ajmer	A			1. M/S Mirion UK make system 2.Pl refer Note-07	
		III				Diamond Power	USA / Sweden	A				
		III				Durag GmbH	Germany	A			D-VTA-201	
		III				Lenox	USA	A				
		III				Mirion	UK	A				
		III				Piper GmbH	Germany	A				
		III				Sabota GmbH	Germany	A				
25	H2 Gas Analyser											
		I				ABB India Ltd	Bengaluru	A			M/s ABB Germany /UK Make analyser	
		I				Adage Automation Pvt. Ltd	Goa	A			1.M/s Siemens, Garmany (Calomat 6) Make analyser 2. Pl refer Note-07	

 एन टी पी सी एक महारत्न कंपनी		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00
		PACKAGE : EPC PACKAGES									DATE :02.05.2023
		CONTRACTOR:									SUB SECTION: C&I
		CONTRACT NO :									
Sr No	Item Description	QP Inspection Category	QP No	QP submis sion SCH	QP approv al SCH	Proposed Sub Supplier	Country	SS Approval_Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark
		I				Yokogawa India ltd	Bengaluru	A			M/s Yokogawa Japan (Gas Densitybased) Make analyser
		I				SIEMENS	Gurugram	A			M/s Siemens, Garmany (Calomat 6) Make analyser
		III				GE Sensing EMEA	Ireland	A			Conductivity based
		III				ABB	UK	A			
		III				Emerson (Rosemount)	USA	A			
		III				Environment One Corporation	USA	A			Conductivity based
26	HEA ignitor										
		I				Durag India Instrumentation Pvt Ltd	Bengaluru	A			M/S Durag Germany make HEA Ignitor
		I				Hindustan Thermometers	Ambala	A			Conditional as per approval ref no 01/CQA/0270-102 dated 17.09.2012.Spark tip of their own make is also acceptable
		I				Fives combustion System Pvt Ltd	Vadodara	A			
		I				Boiler control Pvt Ltd	Puddukottai (Tamilnadu)	A			Approved for Aux Boiler package only
		III				Unison Industries	USA	A			
		III				Durag GmbH	Germany	A			
		III				Ignition system INC	USA	A			
		III				Tesi SPA	Italy	A			
27	High Temp. cable (PTFE/FEP)										
		II				Thermocables	Hyderabad	A			
		II				Tempens	Udaipur	A			
		II				Habia cables	Sweden	A			
		II				Thermo Electrica BV	Netherland	A			
		II				Lapp cables	Germany	A			
		II				Kerpen cables	Germany	A			
		II				TEW & C	USA	A			
28	Impulse Pipes/Tubes										
		II				Mahrashtta Seamless	Raigarh	A			For CS Pipes only
		II				Ratnamani Metals and Tubes	Gandhinagar	A			For SS only.
		II				Heavy Metals and Tubes	Gandhinagar	A			For SS & CS only.
		II				ISMT	Ahamadnagar	A			For CS/ AS upto Gr 22 Pipes only
		II				Nippon Steel & Sumitomo Metals corporation	Japan	A			
		II				TPS Tecnitube	Germany	A			
		II				Veluric & Manessmann	Germany	A			
		II				Trouvay and Cauvin	France	A			
		II				Sandvik	Sweden	A			For SS only
		II				REMI Edelstahl Tubulars Ltd	Palghar	A			
29	Instrument Cables (F,G & T/C Cables)										
		Note-2				Goyolene Fibers (India) Pvt Ltd	Silvassa	A			F&G Type Cable
		Note-2				Temsens Instruments Ind Pvt Ltd	Udaipur	A			
		Note-2				Havells India	Alwar	A			F Type Cable
		Note-2				Paramount Communication Ltd	Khushkhera	A			
		Note-2				Polycab	Daman	A			
		Note-2				Delton	Faridabad	A			
		Note-2				KEI	Bhiwadi (Raj)	A			
		Note-2				Elkey Telelinks	Faridabad	A			
		Note-2				CORDS	Kaharani	A			
		Note-2				CORDS	Bhiwadi	A			
		Note-2				Nicco	Kolkata	A			

 एनटीपीसी NTPC एक महारत्न कम्पनी		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00	
		PACKAGE : EPC PACKAGES									DATE :02.05.2023	
		CONTRACTOR:									SUB SECTION: C&I	
		CONTRACT NO :										
Sr No	Item Description	QP Inspection Category	QP No	QP submis sion SCH	QP approv al SCH	Proposed Sub Supplier	Country	SS Approval_Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark	
		Note-2				Universal Cable	Satna	A				
		Note-2				Thermocables	Hyderabad /Mahboobnagar	A				
		Note-2				Gupta Power Infrastructure Ltd.	Khurdha	A				
		Note-2				CMI	Faridabad	A				
		Note-2				Advance Cables Pvt Ltd	Bengaluru	A			F&G Type Cable	
		Note-2				Gemscab Industries Ltd	Bhiwadi (Raj)	A			F&G Type Cable	
		Note-2				Apar Industries Limited	Valsad	A			F&G Type Cable	
		Note-2				Suyog Electricals Ltd	Halol (Gujrat)	A				
		Note-2				Special Cables Pvt Ltd	Rudrapur	A				
		Note-2				T C Communication	Ghaziabad	A				
		Note-2				TEW & C	USA	A				
		Note-2				Habia cables	Sweden	A				
		Note-2				Kerpen cables	Germany	A				
		Note-2				Lapp cables	Germany	A				
		Note-2				Thermo electrta Bv	Netherland	A				
30	Intelligent Battery charger 24V DC / DCDB/BHMS											
		II				Chabbi Electricals	Jalgaon	A			Rectifier module, Controller module and Battery Health monitoring system shall be of M/s Vertiv make	
		II				Eltek SGS Pvt Ltd	Gurugram	A				
31	Large Video Screen (LED Based)											
		I				Pyrotech Electronics Pvt Ltd	Udaipur	A				
		I				Delta India Electronics Pvt Ltd	Gurugram	A				
		I				Barco Electronics system (P) Ltd	Noida	A				
		I				Planner System Inc	USA	A				
32	Level switch- Conductivity type											
		II				Raman Instruments (System integrator of Delta Morbey/ Emerson Mobrey /Solartron -Mobrey)	Delhi	A			1.M/S Emerson (Morbey) UK system 2.Pl refer Note-07	
		II				HI Tech System & services Ltd (System Integrator of Levelstate systems Ltd ,UK)	Kolkata	A			1. M/S Levekstate UK System .Vessel from M/s Hi Tech 2.Pl refer Note-07	
		II				BHEL	Trichurapalli	A				
		III				Emerson -Mobrey (Solartron mobrey)	UK	A				
		III				Levelstate Systems Ltd	UK	A				
		III				Yarway	USA	A				
33	Local Instrument Enclosure/Rack											
		I				Pyrotech Electronics Pvt. Ltd	Udaipur	A			BOI from LOA approved sources	
		I				Sajas electrical	Trichurapalli (Tamilnadu)	A			BOI from LOA approved sources	
		I				Prammen	Puddukottai (Tamilnadu)	A			BOI from LOA approved sources	
		I				Chemin C&I Pvt Limited	Puducherry	A			1- BOI from LOA approved sources 2.Fabrication at M/s LUFT tech India 3- Painting at M/s Supreame Coater & Fabricator	
34	Master Slave Clock System											
		I				Signals and Systems Pvt. Ltd. (SANDS)	Chennai	A				
		I				Masibus	Gandhinagar	A				

 एन टी पी सी एक महारत्न कंपनी		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00	
		PACKAGE : EPC PACKAGES									DATE :02.05.2023	
		CONTRACTOR:					SUB SECTION: C&I					
		CONTRACT NO :										
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark	
		I				Sertel Electronics Pvt. Ltd.	Chennai	A				
		II				Hopf Elektronik GmbH	Germany	A				
		II				Hathway	USA	A				
		II				Mein Berg	Germany	A				
		II				Moser Baer AG	Switzerland	A				
35	Mercury Analyser											
		I				Analysar Instrument Co. Pvt Ltd (AIC)	Kota	A			1. Mercury Analyzer from PS Analytical UK 2.System integration & supply of components like, Enclosure with AC, calibration cylinders, PC will be done by M/s Analysar Instrument Co. Pvt Ltd (AIC) Kota . 3.PI refer Note-07	
		III				Environment SA India Pvt Ltd	Navi Mumbai	A			1-Mercury analyzer with accessories will be from Mercury instruments GmbH Germany . 2- Other components like, sample line between probe to mercury analyzer will be supplied by M/s Environment SA India Pvt Ltd .	
		III				Thermo Fisher Scientific India Pvt Ltd	Pune	A			1. Mercury Analyser shall be from Thermofisher USA 2. Other approval conditions are as per approved letter ref no 01/CQA/9578-001/Thermofisher dated 09/12/2016	
		III				Durag India Instrumentation Pvt Ltd	Bengaluru	A			Analysar from M/s Verewa Umwelt Germany	
		III				Mercury Instruments GmbH	Germany	A				
		III				SICK AG	Germany	A				
		III				Themofisher	USA	A				
		III				Lumax	Russia	A			For AAQMS System	
36	PA System (IP Based)											
		III				BNA Technology Consulting Ltd.	Bengaluru	A			BOI shall be from LOA approved sources.	
		III				Armtel	Russia	A				
		III				Zenitel	Norway	A			1.PA system active component , Proprietary item will be Zenitel Norway make 2.Other components & BOI shall be from LOA approved sources	
		III				Commend International GMBH	Austria	A				
36A	PA System (IP Based)/System Integrators										note-7	
		III				Willstrong Solutions Pvt. Ltd	Greater Noida	A			For M/s Armtel Russia system Approval conditions as per approval letter no Patratu-QA/9585-001-102/VA-Willstrong Dated: 21.12.20	
		III				Toshniwal Industries Pvt Ltd	Ajmer	A			For M/s Commend Austria make system	
		III				Aishan Technologies Pvt Ltd	Bengaluru	A			For M/s Zenitel Norway make system	
		III				Haritasa Checkmate Electronics Pvt Ltd	Bengaluru	A			For M/s Commend Austria make system	
		III				Netware Computer Pvt Ltd	New Delhi	A			For M/s Commend Austria make system	

 एन टी पी सी		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00	
		PACKAGE : EPC PACKAGES									DATE :02.05.2023	
		CONTRACTOR:									SUB SECTION: C&I	
		CONTRACT NO :										
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark	
37	PLC System											
		I				Emerson Automation solution Intelligent platforms Pvt Ltd	Bengaluru	A			PLC modules from M/s Emerson USA & BOI shall be from LOA approved sources	
		I				ABB India Ltd	Bengaluru	A				
		I				Schneider Electric system india Pvt Ltd	Chennai	A			PLC modules from M/s Schneider France & BOI shall be from LOA approved sources	
		I				Rockwell	Sahibabad	A				
		I				Siemens	Nasik	A				
		I				Honeywell	Pune	A			PLC modules from M/s Honeywell ,S.Korea & BOI shall be from LOA approved sources	
		I				Schneider Electric India Pvt Ltd	Bengaluru	A			PLC modules from M/s Schneider France & BOI shall be from LOA approved sources	
37-A	PLC System Integrators										Note-11 and note-7	
		I				Ladder Automation Solution Pvt Ltd	Gurugram	A			For M/s Honeywell make system	
		I				Virtual Automation	Ranga Reddy (Telangana)	A			For M/s Schneider make system	
		I				Cotmac Electronics Pvt Ltd	Pune	A			For M/s SIEMENS make system	
		I				Tech-Masters	Hyderabad	A			For M/s Emerson make system	
		I				Powertech Switchgear (I) Pvt Ltd	Sonepat	A			For M/s Schneider make system	
		I				Unity Industrial Automation Pvt Ltd	Delhi	A			For M/s Rockwell make system	
		I				EMCONS	Ranchi	A			For M/s Rockwell make system	
		I				Divya Engineers	Chennai	A			For M/s SIEMENS make system	
		I				M D Industries	Vadodara	A			For M/s Emerson make system	
		I				Velox automation	Surat	A			For M/s SIEMENS make system	
		I				Vision Compitel	Kolkata	A			For M/s Emerson make system	
		I				Adaptive Engineering Private Limited	Ahmedabad	A			For M/s Schneider make system	
		I				Greenwave Solutions Private Limited	Kolkata	A			For M/s Rockwell make system	
		I				Dreamz Automation	Ghaziabad	A			For M/s SIEMENS make system	
		I				Creative Robotics	Ghaziabad	A			For M/s Honeywell make system	
		I				Kruti Techno Engineer Pvt Ltd	Chhapraula (GB Nagar	A			For M/s SIEMENS make system	
		I				EDS Instruments & Systems Pvt Ltd	Chennai	A			For M/s Honeywell make system	
		I				Delsys Automation Technologies Pvt Ltd	Chennai	A			For M/s Emerson make system	
		I				Hindustan Controls and Equipment Ltd	Kolkata	A			For M/s Emerson make system	
		I				Vollkraft Engineering And Consultant (P) Ltd	Kolkata	A			For M/s Emerson make system	
		I				SSM Infotech Solutions Pvt Ltd	Surat	A			For M/s Schneider make system	
		I				Sun Industrial Automation & Solutions	CHENNAI	A			For M/s Schneider make system	
		I				ARTEE FLOW CONTROL PVT LTD	ANKLESHWAR	A			For M/s Honeywell make system	
		I				CSS AUTOMATION PVT. LTD	KOLKATA	A			For M/s Emerson make system	
		I				ARMAX AUTOMATION PVT LTD	BANGALORE	A			For M/s ABB make system	

		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00	
PACKAGE : EPC PACKAGES					DATE :02.05.2023							
CONTRACTOR:					SUB SECTION: C&I							
		CONTRACT NO :										
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark	
		I				KAIZEN AUTOMATION	AHEMDABAD	A			For M/s Schneider make system	
		I				ELECON PERIPHERALS LIMITED	ANAND	A			For M/s ABB make system	
38	Pneumatic Actuator Regulating (Power Cylinder HAD,CAD SADC & Burner Tilt)											
		I				Instrumentation Limited	Palakkad (Kerala)	A				
		I				Kelton	Cochin (Alleppy)	A				
		I				SMC Corporation India Private Ltd	Noida	A			Up to Bore size 12 inches	
		I				IMI Norgren Herion Pvt ltd	Noida	A				
		II				Dong Woo Valve Control Co. Ltd	S.Korea	A				
		II				Shin Hwa Engineering Co. Ltd	S.Korea	A				
39	Radar type level transmitter											
		III				Limaco	Russia	A			High Frequency Type	
		III				Emerson Process Management Ltd	Pawane	A			For M/s Emerson Singapore make	
		III				Endress & Houser	Aurangabad	A				
		III				SIEMENS	Canada	A				
		III				B M Technology	Italy	A			For Non Contact type	
		III				Magnetrol	Belgium	A				
		III				ABB	USA	A			K-Tech Brand	
		III				Endress & Houser	Germany	A				
		III				Saab Rosemount	Sweden	A				
		III				Emerson Process Management	Singapore	A			Rosemount 3300 series for GW Radar & 5600 Series for Non-Contact type	
		III				Endress & Houser	Germany	A				
		III				Vega Grieshaber KG	Germany	A				
40	Short Term Fire Proof cable											
		III				nVent Solutions limited	UK	A				
		III				Wrexham Mineral	UK	A				
		III				KME	Italy	A				
41	SWAS (Sampling Handling System and Dry Panel)											
		I				Emerson Process Management Ltd	Navi Mumbai	A			Analysers and Other BOI Componets from LOA agreed source	
		I				Forbes Marshall	Pune	A			Analysers and Other BOI Componets from LOA agreed source	
		I				SEPL	Pune	A			Analysers and Other BOI Componets from LOA agreed source	
42	Water Analyser (Chloride, Conductivity, Dissolved Oxygen,pH, Hydrazine, Concentration , Phosphate, Silica, Soldium,Turbidity, Total Iron, Degassed Cation Conductivity)											
		III				Emerson Process Management Pvt Ltd	Pawane	A			For Conductivity,pH, Dissolved Oxygen, Turbidity	
		III				Mettlet Toledo India Pvt Ltd	Vasai	A			For pH Analyser (1. PH analyser from M/S Mettler Toledo GmbH Switzerland 2. Other components like, Housing, Panel mounting kit, Tubing's & easy clean mechanism will be supplied by M/s Mettler Toledo India Pvt Ltd)	

 एन टी पी सी एक महारत्न कंपनी		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00	
		PACKAGE : EPC PACKAGES									DATE :02.05.2023	
		CONTRACTOR:									SUB SECTION: C&I	
		CONTRACT NO :										
Sr No	Item Description	QP Inspection Category	QP No	QP submis sion SCH	QP approv al SCH	Proposed Sub Supplier	Country	SS Approval_Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark	
		III				Endress Hauser India Pvt. Limited	Mumbai	A			For pH Analyser (1. pH sensor with cable , analyser ,retract & cleaning assembly , electrolyte reservoir (As applicable) will be supplied from Principals of M/S Endress Hauser India Pvt. Limited. 2. Other components like, Flow through assembly shall be supplied from M/S Endress Hauser India Pvt. Limited approved sources.)	
		III				Thermo Fisher Scientific	USA	A			For Chloride,Dissolved Oxygen,Hydrazine	
		III				ABB	UK	A			For Chloride,Dissolved Oxygen,Hydrazine, Phosphate, Silica,Sodium,Turbidity	
		III				Hach	USA	A			For Conductivity, pH,Concentration, Phosphate, Silica,Turbidity	
		III				ABB	USA	A			For Conductivity, pH	
		III				Yokogawa	Japan	A			For Conductivity	
		III				Hach	Switzerland	A			For Dissolved oxygen, Hydrazine, Silica,Sodium	
		III				Yokogawa	Japan	A			For pH	
		III				Eutech Instrument PTE Ltd	Singapore	A			For Silica	
		III				Orion	USA	A			For Sodium	
		I				METTLER TOLEDO INDIA PVT LTD	Mumbai	A			For Chloride Analyser	
43	Temp Transmitter											
43-A	Temp Transmitter											
		III				Endress & Houser	Aurangabad	A				
		III				Emerson Process Management Ltd	Pawane	A			For M/s Emerson Singapore make	
		III				Yokogawa	Bengaluru	A			Make Yokogawa japan and calibration at Yokogawa Banglore	
		III				ABB	Bengaluru	A			For M/s ABB Germany make	
		III				WIKA Instruments India Pvt Ltd	Pune	A			For M/s WIKA Germany make Model no T-32	
		III				Honeywell Automation India Ltd	Pune	A				
		III				Yokogawa	Japan	A				
		III				Moore	USA	A				
		III				M System co Ltd	Japan	A			Model No-B3HU-0	
		III				Emerson	U.S.A/Singapore/ Germany	A				
		III				ABB	Germany	A				
		III				Emerson Process Management	Germany	A				
43-B	Temp Transmitter -Field Bus based Single/Dual Input											
		I				ABB India Ltd	Bengaluru	A			One no of TT will be available at DCS supplier for function testing of field bus communication with DCS during FAT	
44	Turbine supervisory Instruments along with vibration analysis system.											
		I				GE	Pune	A			For GE Bently ,USA make system	

 एन टी पी सी एक महानल कम्पनी		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00
		PACKAGE : EPC PACKAGES									DATE :02.05.2023
		CONTRACTOR:									SUB SECTION: C&I
		CONTRACT NO :									
Sr No	Item Description	QP Inspection Category	QP No	QP submis sion SCH	QP approv al SCH	Proposed Sub Supplier	Country	SS Approval Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark
		I				Meggitt India Pvt ltd	Bengaluru	A			For Meggitt (Vibrometer) Switzerland make system
		I				Forbes Marshall	Pune	A			For Shinkawa ,Japan make system
		II				GE BENTLY	USA	A			
		II				SHINKAWA	JAPAN	A			
		II				MEGGITT	Switzerland	A			
45	Ultrasonic Type Flow Meter (for Stack)										
		III				Sick India Pvt ltd	Mumbai	A			For Sick AG Germany make
		III				Sick AG	Germany	A			
		III				Durag	Germany	A			
		III				Teledyne	USA	A			
46	Ultrasonic type level Transmitter										
		III				EIP Enviro	Noida	A			1-Ultrasonic level Tx shall be BM Technology Italy make 2-Required mounting arrangement , Testing, Calibration shall be carried out at M/s EIP Works.
		III				E & H	Aurangabad	A			
		III				Emerson Process Management Ltd	Pawane	A			Complete Intrument Transmitter & Probe to be procured from Mobrey UK , only intergration & configuration at Pawane works
		III				BM Technology	Italy	A			
		III				Siemens Miltronics	Canada	A			
		III				Nivelco Process Control	Hungary	A			
		III				E & H	Germany	A			
		III				HAWK Measurement PTY Ltd	Australia	A			
47	UPS With ACDB										
		Note-5				Vertive Energy Pvt Ltd	Pune	A			Upto 125 KVA for 1 phase and 300 KVA for 3 Phase
		Note-5				Vertive Energy Pvt Ltd	Mumbai	A			Upto 160 KVA
		Note-5				Hitachi Hirel Power Electronics Pvt Ltd	Gandhinagar	A			Upto 200 KVA,
		Note-5				Fuji Electric Consul Neowatt Private Limited	Pune	A			Up to 100 KVA single phase
		Note-5				KELTRON	Trivendrum	A			
		Note-5				Merlin & Gerin	France	A			
		Note-5				Gutor	Switzerland	A			
		Note-5				AEG	Germany	A			
		Note-5				Fuji Electric	Japan	A			
48	Vibration Monitoring System										
		II				Sensonics Technology India	Kundli	A			For Sensonic UK system
		II				BHEL	Bengaluru	A			1. Imported items like Vibration Monitors, Cross Connection Cables, Buffered Output Modules, and Piezoelectric Vibration Sensors, Eddy Current type Proximity Probe, Extension Cable and Signal Conditioner will be procured from Valmet Automation, Finland. 2.Indigenous items like Communication cables, networking components, blank panels, TB, OWS will be procured from NTPC approved sources.

 एक महारत्न कम्पनी		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00
		PACKAGE : EPC PACKAGES									DATE :02.05.2023
		CONTRACTOR:									SUB SECTION: C&I
		CONTRACT NO :									
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval_Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark
		II				IRD Mechanlysis Ltd	Thane	A			Vibration sensors will be sourced from M/s Hansford UK ,however brand name of IRD and its logo is acceptable with suitable tracebility of M/s Hansford ,UK.
		II				Forbes Marshall Pvt Limited	Pune	A			VMS hardware , Sensors ,extention cables shall be shinkawa Japan make .2. All other BOI shall be from LOA agreed sources
		II				GE	Pune	A			For GE Bentley , USA Make
		II				Rockwell Automation	Sahibabad	A			For Rockwell USA make
		II				SKF	Pune	A			For SKF USA make
		II				Imageneous Engineering Pvt Ltd	Vadodara	A			1-For Meggitt Switzerland make 2- Refer note 7
		II				Shinkawa	Japan	A			
		II				GE	USA	A			Bentley Niveda brand
		II				Meggitt	Switzerland	A			
		II				Sensonic Limited	UK	A			
49	Wireless Solution (Microwave Tower Communication)										
		I				L&T Technology Services (LTTS)	Bengaluru	A			1- Wireless Product (Access Point, Antenna) shall be M/s Cambium UK Make 2- Other Item like Switch, Cat-6 Cable can be supplied from M/s LTTS approved sources meeting technical requirements.
		I				Lotus wireless technologies India Pvt Ltd	Visakhapatnam	A			
		I				Sheetal Wireless Technologies Pvt Ltd	Pune	A			
		III				Proxim Wireless Corporation	USA	A			BOI shall be as per approval letter
50	Field Bus Cable/ Profibus Cable- PA & DP type										
		I				LAPP India Pvt Ltd	Bangalore	A			
51	Field bus components (Field bus modules ,segment protector ,surge protector & SS JB)										
		III				Phoenix Contact Inc	USA	A			Materiall will be allowed to dispatch from the vendor works as CAT-III item ,however all material except SS junction box will be available at DDCMIS supplier works for functional testing .
		III				Pepperl + Fuchs Pte Ltd	Singapore	A			Materiall will be allowed to dispatch from the vendor works as CAT-III item ,however all material will be available at DDCMIS supplier works for functional testing .
52	Stockyard Management System(Including 3D profiling scanner ,Thermal Imaging Camera, RTK GPS)										
		III				TSA	Brazil	A			For 3D profiling / Tripple-IN Germany make

 एन टी पी सी एक महारत्न कम्पनी		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00	
		PACKAGE : EPC PACKAGES									DATE :02.05.2023	
		CONTRACTOR:									SUB SECTION: C&I	
		CONTRACT NO :										
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark	
		I				EIP Enviro	Noida	A			For 3D profiling / 1-Tripplle-IN Germany make Laser Scanner and RPU along with software from TSA Brazil inline with the M/s TSA Letter. 2- Other item like ethernet cable, Ethernet Switch, Junction Box required for execution of 3D stockpile management system can be supplied by EIP Enviro	
53	Perimeter Intrusion Detection System											
		III				Senstar	Canada	A				
54	Radar based Perimeter Surveillance System											
		III				Magos System Ltd	Israel	A			Third Party “Cyber Penetration report “ shall be provided along with material TC/COC	
55	Thermal Camera (PTZ)											
		III				FLIR Commercial Systems INC	USA	A				
Main Contractor approved sources (Note-12)												
MC-1	Amonia Analyser	III				Main Contractor Approved Sources						
MC-2	Amonia leak detector	III				Main Contractor Approved Sources						
MC-3	Air Filter Regulator	III				Main Contractor Approved Sources						
MC-4	Anemometer	III				Main Contractor Approved Sources						
MC-5	Annunciator	III				Main Contractor Approved Sources						
MC-6	Battery Health Monitoring System	III				Main Contractor Approved Sources						
MC-7	Biofouling/ Deposit Monitor	III				Main Contractor Approved Sources						
MC-8	Coal bunker Level monitor	III				Main Contractor Approved Sources						
MC-9	Compression Fittings(SS)	III				Main Contractor Approved Sources						
MC-10	Condensing Pots	III				Main Contractor Approved Sources						
MC-11	Conduits /Pipe (GI)	III				Main Contractor Approved Sources						
MC-12	Conduits lead coated (Flexible)	III				Main Contractor Approved Sources						
MC-13	Copper tubing/Brass connectors	III				Main Contractor Approved Sources						
MC-14	Coriolios Type Mass Flow meter	III				Main Contractor Approved Sources						
MC-15	Coupling /Interposing Relays	III				Main Contractor Approved Sources						
MC-16	Density Indicator	III				Main Contractor Approved Sources						
MC-17	Desk for OWS/EWS/Printer/Server	III				Main Contractor Approved Sources						
MC-18	Digital Indicators	III				Main Contractor Approved Sources						
MC-19	Dust Sensor	III				Main Contractor Approved Sources						
MC-20	Dew point sensor/meter (H2)	III				Main Contractor Approved Sources						
MC-21	Flow Gauge	III				Main Contractor Approved Sources						
MC-22	Flow Indicator cum Totaliser	III				Main Contractor Approved Sources						
MC-23	Flow Switch	III				Main Contractor Approved Sources						
MC-24	FRP Junction Box	III				Main Contractor Approved Sources						
MC-25	Furniture for control Room(Chair, Almira, Lock)	III				Main Contractor Approved Sources						
MC-26	Furnace exit gas temp probe	III				Main Contractor Approved Sources						
MC-27	Graphic Interface Unit	III				Main Contractor Approved Sources						
MC-28	Hand Held Calibrator	III				Main Contractor Approved Sources						
MC-29	Hart Management System	III				Main Contractor Approved Sources						
MC-30	Humidistat / Thermostat / Gyserstat / Airstat	III				Main Contractor Approved Sources						
MC-31	Instant Corrosion Rate Monitor & Portable Corrosion Meter	III				Main Contractor Approved Sources						
MC-32	Impact head type flow element	III				Main Contractor Approved Sources						
MC-33	Instrument Tube Fittings (Air)	III				Main Contractor Approved Sources						

 एन टी पी सी एन सी सहकारण कम्पनी		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00	
		PACKAGE : EPC PACKAGES									DATE :02.05.2023	
		CONTRACTOR:									SUB SECTION: C&I	
		CONTRACT NO :										
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark	
MC-34	Instrument Valve	III				Main Contractor Approved Sources						
MC-35	IR Detector	III				Main Contractor Approved Sources						
MC-36	KVM Switch/Matrix KVM Switch	III				Main Contractor Approved Sources						
MC-37	Level gauge (Transperent & Reflex, Tubular type)	III				Main Contractor Approved Sources						
MC-38	Level Indicator (Float & Board type)	III				Main Contractor Approved Sources						
MC-39	Level switch - Float/Displacer Type	III				Main Contractor Approved Sources						
MC-40	Level Switch (RF Type)	III				Main Contractor Approved Sources						
MC-41	Level switch capacitance type	III				Main Contractor Approved Sources						
MC-42	Limit Switch	III				Main Contractor Approved Sources						
MC-43	Maintenance and Calibration Equipment	III				Main Contractor Approved Sources						
MC-44	Mini UPS-Type C configuration	III				Main Contractor Approved Sources						
MC-45	Orifice plate assembly	III				Main Contractor Approved Sources						
MC-46	On line carbon in Ash analyser	III				Main Contractor Approved Sources						
MC-47	Pitot Tube	III				Main Contractor Approved Sources						
MC-48	Pr./Vaccum./DP Gauges	III				Main Contractor Approved Sources						
MC-49	Press, DP, Vacuum Switch	III				Main Contractor Approved Sources						
MC-50	Printer (Dot Matrix/Inkjet / Laser)	III				Main Contractor Approved Sources						
MC-51	Psychrometer	III				Main Contractor Approved Sources						
MC-52	Pulse jet Controller	III				Main Contractor Approved Sources						
MC-53	Pulse Valve	III				Main Contractor Approved Sources						
MC-54	Residual Chlorine Analyser	III				Main Contractor Approved Sources						
MC-55	Rotameter	III				Main Contractor Approved Sources						
MC-56	Reverse Rotation Indicator	III				Main Contractor Approved Sources						
MC-57	Synchronising Relay	III				Main Contractor Approved Sources						
MC-58	Synchroscope	III				Main Contractor Approved Sources						
MC-59	Semaphore Indicators	III				Main Contractor Approved Sources						
MC-60	Sight Flow Indicator	III				Main Contractor Approved Sources						
MC-61	Smart Positioner	III				Main Contractor Approved Sources						
MC-62	Socket Weld Fittings	III				Main Contractor Approved Sources						
MC-63	Solenoid Valve	III				Main Contractor Approved Sources						
MC-64	Solid Mass Flow Meter	III				Main Contractor Approved Sources						
MC-65	Terminal Block (Cage and Clamp type)	III				Main Contractor Approved Sources						
MC-66	Temperature cum Humidity Indicator	III				Main Contractor Approved Sources						
MC-67	Temperature Element(Thermocouple , RTD & Thermowell)	III				Main Contractor Approved Sources						
MC-68	Temperature Gauge(With Thermowell)	III				Main Contractor Approved Sources						
MC-69	Temperature Switch	III				Main Contractor Approved Sources						
MC-70	Transducer	III				Main Contractor Approved Sources						
MC-71	Tube thicknes Meter	III				Main Contractor Approved Sources						
MC-72	Voltmeter/ Watterhour Meter	III				Main Contractor Approved Sources						
MC-73	Valve manifolds	III				Main Contractor Approved Sources						
MC-74	Electric to Pneumatic Converter	III				Main Contractor Approved Sources						
MC-75	Network components	III				Main Contractor Approved Sources						
MC-76	Isolator	III				Main Contractor Approved Sources						
MC-77	ORP Monitor /Analyser	III				Main Contractor Approved Sources						
MC-78	Ultrasonic Type Flow Transmitter	III				Main Contractor Approved Sources						
MC-79	Chlorine Leak detector	III				Main Contractor Approved Sources						
MC-80	Density Meter	III				Main Contractor Approved Sources						
MC-81	Electro Magenetic Flow meter	III				Main Contractor Approved Sources						
MC-82	Postive dispalcement Type Flow Meter	III				Main Contractor Approved Sources						
MC-83	Level Scanner (3 D)for Solid Application	III				Main Contractor Approved Sources						
MC-84	Mosaic tiles /Console items	III				Main Contractor Approved Sources						
MC-85	Electrical Control Panel (UCP/Backup)	III				Main Contractor Approved Sources						
MC-86	Electrical Indicating Instruments (Mosaic Compatible)	III				Main Contractor Approved Sources						
MC-87	OWS/EWS/Server	III				Main Contractor Approved Sources						

 एक महारत्न कम्पनी		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00	
		PACKAGE : EPC PACKAGES									DATE :02.05.2023	
		CONTRACTOR:									SUB SECTION: C&I	
		CONTRACT NO :										
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark	
MC-88	Bio Matrix Reader	III				Main Contractor Approved Sources						
MC-89	ANPR	III				Main Contractor Approved Sources						
MC-90	UVSS	III				Main Contractor Approved Sources						
MC-91	Comd & Control System	III				Main Contractor Approved Sources						
MC-92	Access & Controller Software	III				Main Contractor Approved Sources						
MC-93	IR LED based Illuminator	III				Main Contractor Approved Sources						
MC-94	ATB Bollard	III				Main Contractor Approved Sources						
MC-95	Boom Barrier	III				Main Contractor Approved Sources						
MC-96	Touchless biometric recorder	III				Main Contractor Approved Sources						
MC-97	GPS Sensor based Vehicle Monitoring system	III				Main Contractor Approved Sources						
MC-98	10mp digital camera with tripod for photo capture	III				Main Contractor Approved Sources						
MC-99	2D GIS map application	III				Main Contractor Approved Sources						
MC-100	Audible alarm device	III				Main Contractor Approved Sources						
MC-101	CameraPoles	III				Main Contractor Approved Sources						
MC-102	Card Reader	III				Main Contractor Approved Sources						
MC-103	Door Frame Metal Detector -DFMD	III				Main Contractor Approved Sources						
MC-104	Door sensor	III				Main Contractor Approved Sources						
MC-105	Egress Switch	III				Main Contractor Approved Sources						
MC-106	EM LOCK	III				Main Contractor Approved Sources						
MC-107	Emergency exit / door override switch	III				Main Contractor Approved Sources						
MC-108	Emergency Siren /Hooter	III				Main Contractor Approved Sources						
MC-109	Flap barrier	III				Main Contractor Approved Sources						
MC-110	Flash Lights for covering perimeter area for clear view from PTZ in night time	III				Main Contractor Approved Sources						
MC-111	Geo fencing	III				Main Contractor Approved Sources						
MC-112	Glass Break switch at Emergency Exit	III				Main Contractor Approved Sources						
MC-113	Guard tour	III				Main Contractor Approved Sources						
MC-114	Half Height Turnstile	III				Main Contractor Approved Sources						
MC-115	Handheld Walkie - Talkie	III				Main Contractor Approved Sources						
MC-116	HHMD	III				Main Contractor Approved Sources						
MC-117	Long Range RFID Reader	III				Main Contractor Approved Sources						
MC-118	Monitors 24 Inch Full HD	III				Main Contractor Approved Sources						
MC-119	Network Panel	III				Main Contractor Approved Sources						
MC-120	Optical Time Domain Reflector-meter (OTDR) with all accessories	III				Main Contractor Approved Sources						
MC-121	Panic Button with Audible Alarm	III				Main Contractor Approved Sources						
MC-122	Panic button/SOS button supportin SIP protocol	III				Main Contractor Approved Sources						
MC-123	RFID based Stickers	III				Main Contractor Approved Sources						
MC-124	Sliding Gate	III				Main Contractor Approved Sources						
MC-125	SMS gateway	III				Main Contractor Approved Sources						
MC-126	Storage Device (SAN/NAS/DAS) of 100 TB each	III				Main Contractor Approved Sources						
MC-127	Traffic Light	III				Main Contractor Approved Sources						
MC-128	Turnstile - half height	III				Main Contractor Approved Sources						
MC-129	SPIKE BARRIER	III				Main Contractor Approved Sources						
MC-130	CHAIN LINK FENCE	III				Main Contractor Approved Sources						
MC-131	X-ray Baggage Scanner	III				Main Contractor Approved Sources						
MC-132	Static Radio Set	III				Main Contractor Approved Sources						
LEGENDS :												
1.0 SYSTEM SUPPLIER / SUB SUPPLIER APPROVAL STATUS CATEGORY												
A - For those items proposed vendor is acceptable to Customer. To be indicated with letter "A" in the list alongwith the condition of approval, if any.												
2.0 QP INSPECTION CATEGORY :												

		PROJECT : Sipat-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00	
		PACKAGE : EPC PACKAGES									DATE :02.05.2023	
		CONTRACTOR:									SUB SECTION: C&I	
		CONTRACT NO :										
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark	
CAT - I : For those items the Quality Plans are approved by Customer and final acceptance will be on physical inspection witness by Customer												
CAT - II : For those items the Quality Plans are approved by Customer. However no physical inspection shall be done by Customer. The final acceptance by Customer shall be on the basis of review of documents.												
CAT - III :For these items Quality control to be exercised as per Main contractor Quality Assurance System. The final acceptance by NTPC shall be on the basis of Certificate of Conformance (COC) by Main Contractor.												
UNITS/WORKS : Place of manufacturing- Place of main supplier of multi units/works.												
NOTE - 1 : A: Vendors to submit project specific documents as per Sub-QR requirements in case the Vendor is approved under collaboration agreement. B: In case approved sub vendor is offering product with latest model/series apart from earlier approved, vendors to submit project specific documents as per Sub-QR requirements.												
NOTE - 2 : For Instrument cable <= 1 KM inspection category CAT - III, For > 1 KM to <= 10 KM Inspecton category CAT - II COC & FOR> 10 KM Inspection category CAT-I												
NOTE -3 : For Fiber Optic cable <=10KM inspection category CAT - III & for > 10KM Inspection category CAT-II												
NOTE-4 : Batteries for UPS <= 10 KVA and batteries for intelligent battery charger 24 V DC <= 40 Amp inspection category CAT-III & for Batteries for UPS> 10KVA and batteries for intelligent battery charger 24 V DC > 40 Amp rating												
NOTE-5 UPS <= 10 KVA rating inspection category CAT-III & for > 10KVA rating inspection category CAT-I												
NOTE - 7 - EMPTY CABINETS, COMPUTERS, SIGNAL ISOLATOR/ MULTIPLIER and TB SHALL ALSO BE ACCEPTABLE FROM OWNER ACCPETED IN QP. IF THE TOTAL INTEGRATED PANEL AND FAT IS CONDUCTED INDEGENEOUSLY												
NOTE-8 : For the C & I instrumnts mounted on the skid of the main item or supplied as a integral part of the main item, instrument to be supplied as per proven practice of the manufacturer meeting the Customer technical specification												
NOTE-9- This item is a bought out componenet of main equipments like DDCMIS ,PLC,TSL,CCTV ,PA system etc												
NOTE-10- For these controlled items, vendor shall be proposed for owner acetpance with-in the agreed contract schedule of the package												
NOTE-11 - Major Bought-Out-Items are to be procured from LOA approved sources & the same shall be finalized during the finalization of Manufacturing Quality Plan . MQP shall be duly vetted by OEM with their project specific authorisation letter .												
NOTE-12 : Main contractor apporved sub vendors are acceptable those are evaluated / assesesed as per Main contractor Quality Management System for vendor approval. Main contractor to inform the finaly selected vendor to NTPC as soon as PO is placed for these items. In case of sub-QR Note-1 is also applicable.												

	PROJECT: SIPAT SUPER THERMAL POWER PROJECT STAGE-III (1X800 MW)	LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL			DOC NO	
	PACKAGE: EPC PACKAGE				REV. NO.	
	Main supplier:	SUB SYSTEM: CIVIL WORKS			DATE	02.05.2023
	Contract No.:					
SL. NO.	ITEM	QAP / INSP. CAT	PROPOSED SUB SUPPLIER	PLACE OF MANUFACTURING	APPROVAL STATUS / CATEGORY	REMARKS
1.	GALVANIZED STEEL STRUCTURES (LATTICE & PIPE) FOR SWITCHYARD AND TRANSMISION LINE	I	VIJAY TRANSMISSION LTD	RAIPUR	A	
			UNITECH POWER TRANSMISSION LTD	NAGPUR	A	
			ASSOCIATED POWER STRUCTURES	VADODARA	A	
			R.S. INFRAPROJECTS PVT. LTD	SURAJPUR	A	
			NEW MODERN TECHNOMECH	MAYURBHANJ (ORRISA)	A	
			GOOD LUCK STEEL TUBES	SIKANDRABAD	A	
			UNIQUE STRUCTURES & TOWERS LTD.	RAIPUR	A	
			VATCO ELEC-POWER PVT. LTD.	NAVIMUMBAI	A	GALVANISING AT SIGMA GALVANISER NAVI MUMBAI
			R.S. INFRAPROJECTS PVT. LTD	SIKANDRABAD	A	
			ADVANCE STEEL TUBE	SAHIBABAD	A	
			SANGAM STRUCTURES LTD.	ALLAHABAD	A	
			RELIABLE SPONGE PVT LTD UNIT III	KALUNGA	A	
			VSP ENTERPRISES PVT. LTD	SONEPAT	A	
			SKIPPER LIMITED	UNIT-I: JANGALPUR, Howrah. Unit-II: ULUBERIA UNIT, Howrah. UNIT- III: BCTL, Howrah.	A	Proto type inspection at Unit-Bagnan, Howrah

	PROJECT: SIPAT SUPER THERMAL POWER PROJECT STAGE-III (1X800 MW)	LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL			DOC NO	
	PACKAGE: EPC PACKAGE				REV. NO.	
	Main supplier:	SUB SYSTEM: CIVIL WORKS			DATE	02.05.2023
	Contract No.:					
SL. NO.	ITEM	QAP / INSP. CAT	PROPOSED SUB SUPPLIER	PLACE OF MANUFACTURING	APPROVAL STATUS / CATEGORY	REMARKS
			RUKMANI ELECTRICAL & COMPONENT PVT. LTD	RAIPUR	A	
			RICHARDSON & CRUDDAS (1972) LTD	NAGPUR	A	
2.	COLOUR COATED METAL DECK & CLADDING/ROOFING SHEET (COIL)	I	TATA STEEL LIMITED	RAIGAD	A	
			TATA STEEL BSL LIMITED	SAHIBABAD	A	
			TATA BLUESCOPE STEEL LTD	JAMSHEDPUR	A	AL-ZN COIL FOR CLADDING
			ESSAR STEEL LTD	PUNE	A	
			NATIONAL STEEL & AGRO INDUSTRIES LTD	DHAR	A	
			JSW STEEL COATED PRODUCTS LTD	KALMESHVAR (NAGPUR)	A	
			JSW STEEL COATED PRODUCTS LTD	TARAPUR, BOISAR	A	
			BHUSHAN POWER & STEEL LTD	SAMBALPUR (ODISHA)	A	
3.	CHIMNEY ELEVATOR (RACK AND PINION)	I	MEKASTER ENGG. & EQUIPMENT(P) LTD.	HALOL, GUJARAT	A	
			ALIKRAFT ENGINEERS PVT. LTD.	SAVIL (VADODARA)	A	
			AVON CRANES	GURGAON	A	
			UNIVERSAL CONSTRUCTION MACHINERY & EQUIPMENT LTD.	PUNE	A	
4.	ELECTROFORGED GRATING	II	INDIANA GRATINGS PVT. LTD	PUNE	A	
			KANADE ANAND UDYOG	THANE	A	

	PROJECT: SIPAT SUPER THERMAL POWER PROJECT STAGE-III (1X800 MW)	LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL			DOC NO	
	PACKAGE: EPC PACKAGE				REV. NO.	
	Main supplier:	SUB SYSTEM: CIVIL WORKS			DATE	02.05.2023
	Contract No.:					
SL. NO.	ITEM	QAP / INSP. CAT	PROPOSED SUB SUPPLIER	PLACE OF MANUFACTURING	APPROVAL STATUS / CATEGORY	REMARKS
			PREMIER POWER PRODUCTS LTD	HOWRAH	A	
			BHOLA RAM STEEL PVT. LTD	PATNA	A	
			PINAX STEEL INDUSTRIES PVT LTD	PATNA	A	
			GREATWELD STEEL GRATING PVT. LTD	PUNE	A	
			ANKIT ELECTROGRATING	RAIPUR	A	
			SUTTATTI ENTERPRISES LTD.	PUNE	A	
			RATAN PROJECTS & ENGINEERING CO. PVT. LTD.	HOWRAH	A	
			VINFAB ENGINEERS INDIA PVT LTD. (For Galvanising) VINFAB GRATINGS (For Fabrication)	THANE	A	
5.	PROFILERS FOR COLOUR COATED METAL DECK & CLADDING/ROOFING SHEETS	II	MAIN CONTRACTOR APPROVED SOURCE	-	-	
6.	FABRIC EXPANSION COMPENSATOR (FOR CHIMNEY)	II	MAIN CONTRACTOR APPROVED SOURCE	-	-	
7.	MINERAL WOOL FOR THERMAL INSULATION (FOR CHIMNEY)	II	MAIN CONTRACTOR APPROVED SOURCE	-	-	
8.	STOP LOG GATES, TRASH RACK AND LIFTING BEAM	II	MAIN CONTRACTOR APPROVED SOURCE	-	-	
9.	HIGH PERFORMANCE MOISTURE COMPATIBLE CORROSION RESISTANT COATING SYSTEM	III	CECRI LICENSED SOURCES	-	-	
10.	BITUMEN	III	ALL GOVERNMENT REFINERIES	-	-	

	PROJECT: SIPAT SUPER THERMAL POWER PROJECT STAGE-III (1X800 MW)	LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL			DOC NO	
	PACKAGE: EPC PACKAGE				REV. NO.	
	Main supplier:	SUB SYSTEM: CIVIL WORKS			DATE	02.05.2023
	Contract No.:					
SL. NO.	ITEM	QAP / INSP. CAT	PROPOSED SUB SUPPLIER	PLACE OF MANUFACTURING	APPROVAL STATUS / CATEGORY	REMARKS
11.	PTFE BEARING / ELASTOMERIC BEARING	III	MORTH / RDSO APPROVED VENDORS	-	-	
12.	CEMENT	III	BIS APPROVED SOURCES HAVING VALID BIS LICENCE	-	-	
13.	CI PIPES	III	BIS APPROVED SOURCES HAVING VALID BIS LICENCE	-	-	
14.	RCC PIPES	III	BIS APPROVED SOURCES HAVING VALID BIS LICENCE	-	-	
15.	CPVC/UPVC PIPES	III	BIS APPROVED SOURCES HAVING VALID BIS LICENCE	-	-	
16.	PVC WATER STOP	III	BIS APPROVED SOURCES HAVING VALID BIS LICENCE	-	-	
17.	POLYTHENE WATER STORAGE TANKS	III	BIS APPROVED SOURCES HAVING VALID BIS LICENCE	-	-	
18.	CERAMIC / VITRIFIED TILES	III	BIS APPROVED SOURCES HAVING VALID BIS LICENCE	-	-	
19.	PARTICLE BOARDS, PLYWOOD, MDF	III	BIS APPROVED SOURCES HAVING VALID BIS LICENCE	-	-	
20.	FIRE PROOF DOORS	III	MAIN CONTRACTOR APPROVED SOURCES WITH VALID PROTOTYPE TEST REPORT FROM CBRI/CPRI/GOV. LAB.)	-	-	
21.	CONSTRUCTION CHEMICALS/ADMIXTURE, WATER PROOFING COMPOUNDS AND GROUTS	III	MAIN CONTRACTOR APPROVED SOURCE	-	-	
22.	PAINT AND PAINTING SYSTEM	III	MAIN CONTRACTOR APPROVED SOURCE	-	-	
23.	HIGH SOLID CONTENT LIQUID APPLIED URETHANE BASED ELASTOMERIC MEMBRANE FOR WATER PROOFING	III	MAIN CONTRACTOR APPROVED SOURCE	-	-	

	PROJECT: SIPAT SUPER THERMAL POWER PROJECT STAGE-III (1X800 MW)	LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL			DOC NO	
	PACKAGE: EPC PACKAGE				REV. NO.	
	Main supplier:	SUB SYSTEM: CIVIL WORKS			DATE	02.05.2023
	Contract No.:					
SL. NO.	ITEM	QAP / INSP. CAT	PROPOSED SUB SUPPLIER	PLACE OF MANUFACTURING	APPROVAL STATUS / CATEGORY	REMARKS
24.	FOUNDATION BOLTS	III	MAIN CONTRACTOR APPROVED SOURCE	-	-	
LEGENDS: 1. SYSTEM SUPPLIER/SUB-SUPPLIER APPROVAL STATUS CATEGORY (SHALL BE FILLED BY NTPC) A – For these items proposed vendor is acceptable to NTPC. To be indicated with letter “A” in the list along with the condition of approval, if any. DR – For these items “Details required” for NTPC review. To be identified with letter “DR” in the list. 2. QP/INSPN CATEGORY: CAT-I: For these items the Quality Plans are approved by NTPC and the final acceptance will be on physical inspection witness by NTPC. CAT-II: For these items the Quality Plans approved by NTPC. However, no physical inspection shall be done by NTPC. The final acceptance by NTPC shall be on the basis review of documents as per approved quality plan. CAT-III: For these items the Quality control to be exercised as per Main Contractor Quality Assurance System. The final acceptance by NTPC shall be on the basis of Certificate of conformance (COC) by Main Contractor. UNITS/ WORKS: Place of manufacturing Place of Main Supplier of multi units/works. NOTE 1: For the items placed in CAT-III for Civil Works, the review and final acceptance shall be done by NTPC-EIC/ FQA on the basis of MTC / certificate of conformance in line with Technical Specifications/FQP.						

Clause No.		GENERAL CONDITIONS OF CONTRACT (GCC)	
19.	Subcontracting		
		19.1	Appendix 5 (List of Approved Subcontractors) to the Contract Agreement specifies major items of supply or services and a list of approved Subcontractors against each item, including vendors. Insofar as no Subcontractors are listed against any such item, the Contractor shall prepare a list of Subcontractors for such item for inclusion in such list. The Contractor may from time to time propose any addition to or deletion from any such list. The Contractor shall submit any such list or any modification thereto to the Employer for its approval in sufficient time so as not to impede the progress of work on the Facilities. Such approval by the Employer for any of the Subcontractors shall not relieve the Contractor from any of its obligations, duties or responsibilities under the Contract.
		19.2	The Contractor shall select and employ its Subcontractors for such major items from those listed in the lists referred to in GCC Sub-Clause 19.1.
		19.3	For items or parts of the Facilities not specified in Appendix 5 (List of Approved Subcontractors) to the Contract Agreement, the Contractor may employ such Subcontractors as it may select, at its discretion.
		19.4	The Contractor shall not be allowed to sub-contract works to any subcontractor/ sub-vendor from a country which shares a land border with India unless such sub-contractor is registered with the competent Authority. The Competent Authority for the purpose of registration shall be as mentioned in the relevant Annexure of SCC. However, the said requirement of registration will not apply to subcontractors from those countries (even if sharing a land border with India) to which the Government of India has extended lines of credit or in which the Government of India is engaged in development projects. The Contractor may apprise itself of the updated lists of such countries available in the website of the Ministry of External Affairs. Procurement of raw material, components, etc. does not constitute subcontracting.
20.	Design And Engineering		
		20.1	Specifications and Drawings 20.1.1 The Contractor shall execute the basic and detailed design and the engineering work in compliance with the provisions of the Contract, or where not so specified, in accordance with good engineering practice. The Contractor shall be responsible for any discrepancies, errors or omissions in the specifications, drawings and other technical documents that it has prepared, whether such specifications, drawings and other documents have been approved by the Project Manager or not, provided that such discrepancies, errors or omissions are not because of inaccurate information furnished in writing to the Contractor by or on behalf of the Employer.

Clause No.	Quality Assurance		
	acceptable primary steel producers, an option is given to the Main contractor to source these sections directly from SAIL Conversion/Wet Leasing agent subject to the conditions given at point no. A) below: A) Approval conditions for procurement of structural steel sections through SAIL Conversion/Wet Leasing agent: 1. Main Contractor to ensure continuity of BIS license of the manufacturer for the sections being manufactured for Employer supply. 2. Billets shall be procured from Employer approved Main Steel Producers. Proper records for traceability from raw material to final product shall be maintained. 3. 100% chemical analysis of the raw material (Billets) shall be carried out as per IS: 2830. Testing of one sample per 40 MT for each type of section or part thereof shall be carried out as per IS: 2062 on finished product. 4. Each lot of delivery of finished product shall be accompanied with co-relatable Manufacturer's Test Certificate (MTC). MTC of finished sections shall be correlated with original MTC for Billets received from Main Steel Producer and Manufacturer Test Report of chemical analysis of Billets mentioned at point no.3. MTC of finished sections shall include the reference of MTC for Billets from Main Steel Producer. 5. Employer will have access to carry out the surveillance checks for in-process stage. 6. In case of any defects are seen in the material, Main Contractor will replace the material without any cost implication to Employer. In case of non-availability of certain size/s of steel tubes conforming to IS:1161 and Hollow (square and rectangular) steel sections conforming to IS: 4923 from above acceptable primary steel producers, the same may be sourced from BIS approved sources having valid BIS license subject to the conditions given at point no. B) below: B) Approval conditions for procurement of Steel tubes conforming to IS: 1161 and Hollow (square and rectangular) steel sections conforming to IS: 4923 from BIS approved sources: 1. Main Contractor to ensure continuity of BIS license of the manufacturer for the sections being manufactured for Employer supply. 2. Raw materials shall be procured from Employer approved Main Steel Producers. 3. 100% chemical analysis of the raw material (steel) shall be carried out as per IS: 228. Testing of samples of steel tubes and hollow sections from each lot shall be carried out as per IS: 1161 & IS: 4923 respectively on finished product. 4. Each lot of delivery of finished product shall be accompanied with co-relatable Manufacturer's Test Certificate (MTC). 5. Employer will have access to carry out the surveillance checks for in-process stage. 6. In case of any defects are seen in the material, Main Contractor will replace the material without any cost implication to Employer. The specific methodology to be followed for above procurement through conversion route/BIS approved sources route shall be subject to approval by Employer in advance.		
SIPAT SUPER THERMAL POWER PROJECT STAGE-III (1X800 MW) EPC PACKAGE	TECHNICAL SPECIFICATIONS SECTION VI, PART- B Bid Doc. No.:	SUB-SECTION-E-59 QA CIVIL WORKS	Page 3 of 6

	CORPORATE QUALITY ASSURANCE/ कॉर्पोरेट गुणवत्ता आश्वासन MAIN CONTRACTOR'S PROPOSAL CUM EVALUATION REPORT मुख्य संविदाकार प्रस्ताव सह मुल्यांकन रिपोर्ट	

Annexure-3

Ref No:				Date:			
संदर्भ सं.:				तिथि:			
i.	Main Contractor मुख्य संविदाकार						
ii.	Project परियोजना						
iii.	Package Name पैकेज का नाम			Package No पैकेज सं.			
iv.	Proposed Item/Scope of Sub-contracting उप-संविदा(अनुबंध) का प्रस्तावित मद/ दायरा						
v.	Item covered under निम्नलिखित के अंतर्गत शामिल मद	Schedule-1 /अनुसूची- 1				As per contract clause No- अनुबंध के अनुसार खंड सं.-- -	
		Schedule-2 अनुसूची- -2					
vi.	If item is Schedule-1 and proposed sub-vendor is indigenous, Main Contractor to explain how the contractual provisions will be fulfilled /यदि मद अनुसूची -1 है और प्रस्तावित उप-विक्रेता स्वदेशी है, तो मुख्य संविदाकार को स्पष्ट करना होगा कि संविदा/अनुबंध के प्रावधान कैसे पूरे किए जाएंगे						
vii.	Name and Address of the proposed Sub-vendor's works /प्रस्तावित सब-वेंडर का नाम तथा पता						
viii.	PO placement date/ Start of manufacturing (if self-manufactured) as per L2 network पीओ नियोजन की तिथि / एल- 2 नेटवर्क के अनुसार विनिर्माण (यदि स्व-निर्मित है) की शुरुआत						
ix.	Item Description (Type/Size/Rating/Scope of Sub-Contracting) मद का विवरण (प्रकार / आकार / रेटिंग / उप-अनुबंध का दायरा)	Total quantity of proposed item envisaged in this package (Nos/ Running Meters/ Kgs/ Tons etc) इस पैकेज में परिकल्पित प्रस्तावित मद की कुल मात्रा (संख्या / क्रियाशील मीटर / किलोग्राम / टन आदि)	Quantity proposed to be procured from proposed sub-vendor (Nos/ Running Meters /Kgs /Tons etc) प्रस्तावित उप-विक्रेता (संख्या / क्रियाशील मीटर / किलोग्राम / टन आदि) से खरीदी जाने वाली मात्रा	Timeline for quantity requirements as per project schedule & whether the proposed Sub-vendor equipped with adequate capacity to supply proposed order quantity in time / परियोजना समय सूची के अनुसार मात्रा आवश्यकताओं के लिए समय-सीमा और क्या प्रस्तावित उप-विक्रेता समय पर प्रस्तावित मांग की मात्रा की आपूर्ति करने में पूरी तरह से सक्षम है			
x.	Supply experience of the proposed sub-vendor (including supplies to Main Contractor, if any) for similar item/scope of sub-contracting, for last 3 years (Note:- Only relevant experience details w.r.t. proposed item/scope of subcontracting to be brought out here) पिछले 3 वर्षों के लिए उप-अनुबंध के समान मद / दायरे के लिए प्रस्तावित सब-वेंडर (मुख्य संविदाकार हेतु						

	CORPORATE QUALITY ASSURANCE/ कॉर्पोरेट गुणवत्ता आश्वासन MAIN CONTRACTOR'S PROPOSAL CUM EVALUATION REPORT मुख्य संविदाकार प्रस्ताव सह मुल्यांकन रिपोर्ट

आपूर्ति, यदि कोई हो, सहित) का आपूर्ति अनुभव (नोट: - उप-अनुबंध के प्रस्तावित मद / दायरे के संबंध में केवल प्रासंगिक अनुभव के विवरण का उल्लेख हो											
Project/Package परियोजना/पैकेज		Customer Name ग्राहक का नाम		Supplied Item (Type/Rating/Model /Capacity/Size etc) आपूर्ति मद् (प्रकार/रेटिंग /मॉडल /क्षमता/आकार आदि)		PO ref no/date पीओ संदर्भ सं. /तिथि		Supplied Quantity आपूर्ति की मात्रा		Date of Supply आपूर्ति की तिथि	
<i>We confirm that as per our physical assessment, the proposed sub-vendor has requisite capabilities & supply experience and is suitable for supplying the proposed item/scope of sub-contracting/हम अपने भौतिक आकलन के अनुसार इस बात की पुष्टि करते हैं कि, प्रस्तावित उप-विक्रेता के पास अपेक्षित क्षमता और आपूर्ति करने का अनुभव है और उप-अनुबंध के दायरे /प्रस्तावित मद की आपूर्ति के लिए उपयुक्त है।</i>											
Name: नाम:		Desig: पद:		Contact No: दूरभाष सं.:		Sign: हस्ताक्षर:		Date: तिथि:			

Company's Seal/Stamp:- कंपनी का मुहर:-

	CORPORATE QUALITY ASSURANCE/ कॉरपोरेट गुणवत्ता आश्वासन SUB-VENDOR QUESTIONNAIRE/ सब-वेंडर प्रश्नावली Annexure-4	

i.	Item/Scope of Sub-contracting उप-संविदा(अनुबंध) का मद/ दायरा				
ii.	Address of the registered office पंजीकृत कार्यालय का पता 	Details of Contact Person संपर्क व्यक्ति का विवरण (Name, Designation, Mobile, Email) (नाम, पदनाम, मोबाइल, ईमेल) 			
iii.	Name and Address of the proposed Sub-vendor's works where item is being manufactured प्रस्तावित उप-विक्रेता के कार्यों का नाम और पता, जहां मद का निर्माण किया जा रहा है 	Details of Contact Person: संपर्क व्यक्ति का विवरण (Name, Designation, Mobile, Email) (नाम, पदनाम, मोबाइल, ईमेल) 			
iv.	Annual Production Capacity for proposed item/scope of sub-contracting उप-संविदा(अनुबंध) के प्रस्तावित मद / दायरे के लिए वार्षिक उत्पादन क्षमता				
v.	Annual production for last 3 years for proposed item/scope of sub-contracting उप-संविदा(अनुबंध) के प्रस्तावित मद / दायरे के लिए पिछले 3 वर्षों का वार्षिक उत्पादन	<table border="1" style="width: 100%;"> <tr> <td style="width: 33%;"></td> <td style="width: 33%;"></td> <td style="width: 33%;"></td> </tr> </table>			
vi.	Details of proposed works प्रस्तावित कार्यों का विवरण				
1.	Year of establishment of present works वर्तमान फैक्टरी की स्थापना का वर्ष				
2.	Year of commencement of manufacturing at above works उपरोक्त फैक्टरी में निर्माण कार्य शुरू होने का वर्ष				
3.	Details of change in Works address in past (if any) पूर्व में फैक्टरी स्थल में परिवर्तन का विवरण (यदि कोई हो)				
4.	Total Area कुल क्षेत्र Covered Area शामिल क्षेत्र				
5.	Factory Registration Certificate फैक्टरी पंजीकरण प्रमाण पत्र	Details attached at Annexure – F2.1 विवरण अनुलग्नक-एफ 2.1 पर संलग्न है			
6.	Design/ Research & development set-up डिजाइन / अनुसंधान और विकास सेटअप (No. of manpower, their qualification, machines & tools employed etc.) (श्रमिकों की संख्या, उनकी योग्यता, मशीन और उपलब्ध उपकरण आदि)	Applicable / Not applicable if manufacturing is as per Main Contractor/purchaser design) Details attached at Annexure – F2.2 (if applicable) लागू / लागू नहीं, अगर विनिर्माण मुख्य संविदाकार / खरीददार के डिजाइन के अनुसार है) विवरण अनुलग्नक –एफ 2.2 पर संलग्न है। (यदि लागू हो)			
7.	Overall organization Chart with Manpower Details (Design/Manufacturing/Quality etc) मैनपावर विवरण के साथ समग्र संगठन का चार्ट(डिजाइन / विनिर्माण / गुणवत्ता आदि)	Details attached at Annexure – F2.3 विवरण अनुलग्नक – F2.3 में संलग्न है।			
8.	After sales service set up in India, in case of foreign sub-vendor(Location, Contact Person, Contact details etc.) भारत	Applicable / Not applicable लागू / लागू नहीं			

	CORPORATE QUALITY ASSURANCE/ कॉर्पोरेट गुणवत्ता आश्वासन SUB-VENDOR QUESTIONNAIRE/ सब-वेंडर प्रश्नावली

	में बिक्री सेवा की स्थापना के बाद, विदेशी उप-विक्रेता के मामले में(स्थल , संपर्क व्यक्ति, संपर्क विवरण आदि)	<i>Details attached at Annexure – F2.4</i> विवरण अनुलग्नक -2.4 पर संलग्न है।				
9.	<i>Manufacturing process execution plan with flow chart indicating various stages of manufacturing from raw material to finished product including outsourced process, if any</i> फ्लोचार्ट सहित विनिर्माण प्रक्रिया निष्पादन योजना , जिसमें आउटसोर्स प्रक्रिया, यदि कोई हो, सहित कच्चे माल से तैयार उत्पाद तक विनिर्माण के विभिन्न चरणों को दर्शाया गया हो,		<i>Details attached at Annexure – F2.5</i> विवरण अनुलग्नक - F2.5में संलग्न है।			
10.	<i>Sources of Raw Material/Major Bought Out Item</i> कच्चे माल के स्रोत / खरीदे हुए मुख्य मद		<i>Details attached at Annexure – F2.6</i> विवरण अनुलग्नक - F2.6में संलग्न है।			
11.	<i>Quality Control exercised during receipt of raw material/BOI, in-process , Final Testing, packing</i> कच्चे माल / खरीदे हुए मद, प्रक्रियाबद्ध, अंतिम परीक्षण, पैकिंग करते समय गुणवत्ता नियंत्रण		<i>Details attached at Annexure – F2.7</i> विवरण अनुलग्नक - F2.7 पर संलग्न है			
12.	<i>Manufacturing facilities (List of machines, special process facilities, material handling etc.)</i> विनिर्माण सुविधा(मशीनों की सूची , विशेष प्रक्रिया सुविधाएं, सामग्री रख-रखाव आदि)		<i>Details attached at Annexure – F2.8</i> विवरण अनुलग्नक - F2.8में संलग्न है।			
13.	<i>Testing facilities (List of testing equipment)</i> परीक्षण सुविधाएं(परीक्षण उपकरण की सूची)		<i>Details attached at Annexure – F2.9</i> विवरण अनुलग्नक – F2. 9 में संलग्न है।			
14.	<i>If manufacturing process involves fabrication then-</i> यदि निर्माण प्रक्रिया में फेब्रिकेशन की गई है तो-		<i>Applicable / Not applicable</i> लागू / लागू नहीं			
	<i>List of qualified Welders</i> पात्र वेल्डर की सूची		<i>Details attached at Annexure – F2.10</i> विवरण अनुलग्नक - F2.10में संलग्न है।			
	<i>List of qualified NDT personnel with area of specialization</i> विशेषज्ञता के क्षेत्र सहित पात्र एनडीटी कार्मिकों की सूची		<i>(if applicable)</i> लागू / लागू नहीं			
15.	<i>List of out-sourced manufacturing processes with Sub-Vendors' names & addresses</i> सब-वेंडर द्वारा बाह्य स्रोतों (उनके नाम और पते सहित)से करवाएं गए निर्माण प्रक्रियाओं की सूची		<i>Applicable / Not applicable</i> लागू / लागू नहीं <i>Details attached at Annexure. –F2.11</i> विवरण अनुलग्नक - F2.10में संलग्न है। <i>(if applicable)</i> (यदि लागू हो)			
16.	<i>Supply reference list including recent supplies</i> नवीनतम आपूर्ति सहित आपूर्ति संदर्भ सूची		<i>Details attached at Annexure – F2.12</i> विवरण अनुलग्नक -F2.12 में संलग्न है। <i>(as per format given below)</i> (नीचे दिए गए प्रारूप के अनुसार)			
<i>Project/ package परियोजना /पैकेज</i>		<i>Customer Name</i> ग्राहक का नाम	<i>Supplied Item (Type/Rating/Model /Capacity/Size etc)</i> आपूर्ति की गई वस्तु (प्रकार / रेटिंग / मॉडल / क्षमता / आकार आदि)	<i>PO ref no/date</i> पीओ संदर्भ सं. / तिथि	<i>Supplied Quantity</i> आपूर्ति की मात्रा	<i>Date of Supply</i> आपूर्ति की तारीख
17.	<i>Product satisfactory performance feedback letter/certificates/End User Feedback</i> उत्पाद के संतोषजनक प्रदर्शन संबंधी फीडबैक पत्र / प्रमाण पत्र / अंतिम उपयोगकर्ता फ्रीडबैक			<i>Attached at annexure - F2.13</i> अनुलग्नक F2. 3पर संलग्न है		
18.	<i>Summary of Type Test Report (Type Test Details, Report No, Agency, Date of testing) for the proposed product</i>			<i>Applicable / Not applicable</i> लागू / लागू नहीं		

	CORPORATE QUALITY ASSURANCE/ कॉरपोरेट गुणवत्ता आश्वासन SUB-VENDOR QUESTIONNAIRE/ सब-वेंडर प्रश्नावली

	<i>(similar or higher rating)</i> प्रस्तावित उत्पाद (एक समान या उच्च रेटिंग वाले) के लिए टाइप टेस्ट रिपोर्ट (टाइप टेस्ट विवरण, रिपोर्ट संख्या, एजेंसी, जांच की तारीख) का सारांश नोट: - रिपोर्ट प्रस्तुत करने की आवश्यकता नहीं है Note:- Reports need not to be submitted	<i>Details attached at Annexure – F2.14</i> विवरण अनुलग्नक - F2.1 4 में संलग्न है <i>(if applicable)</i> (यदि लागू हो)				
19.	Statutory / mandatory certification for the proposed product प्रस्तावित उत्पाद के लिए वैधानिक / अनिवार्य प्रमाणीकरण	<i>Applicable / Not applicable</i> लागू / लागू नहीं <i>Details attached at Annexure – F2.15</i> <i>(if applicable)</i> (यदि लागू हो)				
20.	Copy of ISO 9001 certificate आईएसओ 9001 प्रमाण पत्र की प्रति <i>(if available)</i> (यदि उपलब्ध हो)	<i>Attached at Annexure – F2.16</i> अनुलग्नक में संलग्न - F2.1 6 है				
21.	Product technical catalogues for proposed item <i>(if available)</i> प्रस्तावित मद के लिए उत्पाद तकनीकी कैटलॉग (यदि उपलब्ध हो)	<i>Details attached at Annexure – F2.17</i> विवरण अनुलग्नक - F2.1 7 में संलग्न है				
<table border="1" style="width: 100%;"> <tr> <td style="width: 25%;"> Name: नाम: </td> <td style="width: 25%;"> Desig: पद: </td> <td style="width: 25%;"> Sign: हस्ताक्षर: </td> <td style="width: 25%;"> Date: तिथि: </td> </tr> </table>			Name: नाम:	Desig: पद:	Sign: हस्ताक्षर:	Date: तिथि:
Name: नाम:	Desig: पद:	Sign: हस्ताक्षर:	Date: तिथि:			

Company's Seal/Stamp:- कंपनी की मुहर / मोहर:-

Annexure-6

Tentative list of Statutory Compliance at Karkhiyaon Varanasi for Structure Fabrication shop:

All statutory compliance shall be in vendor scope, which includes following:

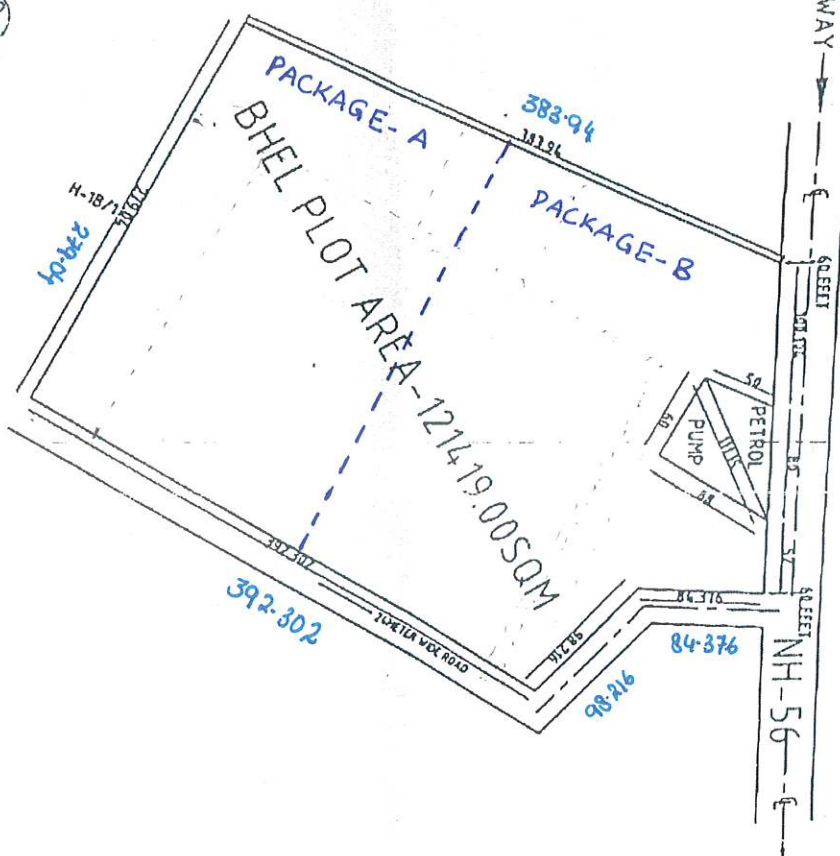
S No	Statutory compliance	Authority
1	Building Plan Approval to establish and maintain the factory	UPSIDA
2	Consent to Establish Under Air and Water Act (NOC)	Pollution Control Board
3	Consent to Operate under the Air (Prevention and Control of Pollution) Act 1981	Pollution Control Board
4	Initial Inspection of Generating Set (DG Set)	Directorate of Electrical Safety
5	Registration and grant of license under The Factories Act, 1948	Dept. of labour
6	Approval of plan and permission to construct/extend/or take into use any building as a factory under the Factories Act, 1948	Dept. of labour
7	Proposed Building Plan under The Factories Act 1948	Dept. of labour
8	License for contractors under provision of The Contracts Labour (Regulation and Abolition) Act 1970	Dept. of labour
9	NOC from Fire Department (prior to commencement of construction activities) or Provisional	Uttar Pradesh Fire Service Dept.
10	Completion of NO OBJECTION CERTIFICATE of Fire Service	Uttar Pradesh Fire Service Dept.
11	Registration of User for Abstraction of Ground Water	Ground Water Dept.
12	Water connection permission	Public works Dept.
13	Initial Inspection of High / Extra High Voltage Installation	Dir of Electrical Safety
14	Electricity connection permission	UPPCL
15	NO OBJECTION CERTIFICATE	NHAI

The aforesaid list is tentative and not exhaustive. Vendor shall bear all charges including fee and other liasioning charges, toward all applicable statutory compliances.

AREA-121419.00SQM

(ALL DIMENSIONS ARE IN METER EXCEPT OTHERWISE MENTIONED)
(MEASUREMENTS TAKEN BEFORE DEVELOPMENT OF SITE)

VARANASI TO JAHPUR HIGHWAY—



Asst. Manager (C)

Manager(C)



Document No.: PS: CPC: MM: PUR: GCC: Rev02 Dated 07 March 2025

Amendment 01 Dated 16th May 2025

Volume-IC

GENERAL CONDITIONS OF CONTRACTS (GCC)

**BHARAT HEAVY ELECTRICALS LIMITED
POWER SECTOR - HEAD QUARTERS
CENTRAL PROCUREMENT CELL (CPC)**





**CENTRAL PROCUREMENT
CELL (CPC)**
PURCHASE DEPARTMENT

**GENERAL CONDITIONS OF
CONTRACT (GCC)**

GENERAL CONDITIONS OF CONTRACTS (GCC)

1. INSTRUCTIONS TO BIDDERS
2. GENERAL COMMERCIAL TERMS & CONDITIONS
3. ANNEXURES

**BHARAT HEAVY ELECTRICALS LIMITED
POWER SECTOR-HEAD QUARTERS
CENTRAL PROCUREMENT CELL**

BHEL SADAN, 8TH FLOOR
PLOT NO. 25, SECTOR – 16A
NOIDA – 201301 (U.P.)

Not for Publication

For Official Use

	CENTRAL PROCUREMENT CELL (CPC) <i>PURCHASE DEPARTMENT</i>	GENERAL CONDITIONS OF CONTRACT (GCC)	TABLE OF CONTENTS

TABLE OF CONTENTS

SL. NO.	DESCRIPTION
Chapter-1.0: INSTRUCTIONS TO BIDDERS	
1.1	GENERAL INSTRUCTIONS
1.2	PROCEDURE FOR SUBMISSION & OPENING OF TENDERS
1.3	CLARIFICATIONS REQUIRED BY BIDDERS
1.4	VOID
1.5	METRIC SYSTEM
1.6	ETHICS IN BUSINESS DEALINGS/ SUSPENSION OF BUSINESS DEALINGS
1.7	INTEGRITY COMMITMENT
1.8	INTEGRITY PACT (IP)
1.9	QUALIFICATION OF TENDERERS
1.10	EVALUATION OF BIDS
1.11	MICRO AND SMALL ENTERPRISE (MSE)
1.12	DATA TO BE ENCLOSED
1.13	AUTHORIZATION AND ATTESTATION
1.14	BANK GUARANTEES
1.15	REJECTION OF TENDER AND OTHER CONDITIONS
1.16	EXECUTION OF CONTRACT AGREEMENT
1.17	INTIMATION OF CHANGE OF NAME/ RE-CONSTITUTION OF THE ORGANIZATION
1.18	LANGUAGE & CORRECTIONS
1.19	PRICE DISCREPANCY
1.20	PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA)
1.21	CONFLICT OF INTEREST
Chapter-2.0: GENERAL COMMERCIAL TERMS & CONDITIONS	
2.1	DEFINITION OF TERMS
2.2	PRICES
2.3	INSPECTION

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	TABLE OF CONTENTS

SL. NO.	DESCRIPTION
2.4	MATERIAL DESPATCH CLEARANCE CERTIFICATE (MDCC)
2.5	VOID
2.6	PACKING AND MARKING
2.7	DELIVERY
2.8	REJECTION
2.9	SHORTAGE/ DAMAGES
2.10	TRANSPORTATION & FREIGHT CHARGES
2.11	TERMS OF PAYMENT
2.12	EARNEST MONEY DEPOSIT (EMD)
2.13	PERFORMANCE SECURITY / SECURITY DEPOSIT
2.14	GUARANTEE/ WARRANTY FOR EQUIPMENT/STORES
2.15	RECOVERY OF OUTSTANDING AMOUNT
2.16	INDEMNIFICATION
2.17	ISSUE OF NOTICE
2.18	USE OF LAND
2.19	COMMENCEMENT OF WORK
2.20	MEASUREMENT OF WORK AND MODE OF PAYMENT
2.21	VOID
2.22	LIMITATION ON LIABILITY
2.23	DELAY/ TIME EXTENSION
2.24	RESPONSIBILITIES OF THE CONTRACTOR IN RESPECT OF LOCAL LAWS, EMPLOYMENT OF WORKERS ETC.
2.25	EXECUTION PLAN, PROGRESS MONITORING, MONTHLY REVIEW AND PERFORMANCE EVALUATION
2.26	QUANTITY VARIATION
2.27	EXTRA WORKS
2.28	SUPPLEMENTARY ITEMS
2.29	INSURANCE

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	TABLE OF CONTENTS

SL. NO.	DESCRIPTION
2.30	STRIKES & LOCKOUT
2.31	LIQUIDATED DAMAGES
2.32	TERMINATION
2.33	TRANSFER, SUB-LETTING/ ASSIGNMENT SUB-CONTRACTING
2.34	FORCE MAJEURE
2.35	SETTLEMENT OF DISPUTES
2.36	OTHER ISSUES
2.37	ARBITRATION & CONCILIATION
2.38	GOVERNING LAWS
2.39	JURISDICTION OF COURT
2.40	RIGHTS OF BHEL, BREACH OF CONTRACT, REMEDIES
2.41	SECURED RECOVERABLE ADVANCES
2.42	CLOSING OF CONTRACTS
Chapter-3.0: ANNEXURES	
3.1	ANNEXURE – I: OFFER SUBMISSION AS PER NIT
3.2	ANNEXURE – II: CHECK LIST
3.3	ANNEXURE – III: FORMAT FOR CLARIFICATION
3.4	ANNEXURE – IV: NO DEVIATION CERTIFICATE
3.5	ANNEXURE – V: VOID
3.6	ANNEXURE – VI: REVERSE AUCTION (RA) FORMAT
3.7	ANNEXURE – VII: REVERSE AUCTION PROCESS COMPLIANCE FORM
3.8	ANNEXURE – VIII: RA PRICE CONFIRMATION AND BREAKUP
3.9	ANNEXURE – IX: NON-DISCLOSURE CERTIFICATE

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	TABLE OF CONTENTS

SL. NO.	DESCRIPTION
3.10	ANNEXURE – X: DECLARATION REGARDING INSOLVENCY/ LIQUIDATION/ BANKRUPTCY PROCEEDINGS
3.11	ANNEXURE – XI: DECLARATION BY AUTHORIZED SIGNATORY
3.12	ANNEXURE – XII: POWER OF ATTORNEY FOR SUBMISSION OF TENDER
3.13	ANNEXURE – XIII: DECLARATION BY AUTHORIZED SIGNATORY REGARDING AUTHENTICITY
3.14	ANNEXURE – XIV: INTEGRITY PACT
3.15	ANNEXURE – XV: DECLARATION FOR KNOWLEDGE ABOUT SITE CONDITIONS
3.16	ANNEXURE – XVI: DECLARATION FOR RELATED FIRMS & THEIR AREAS OF ACTIVITIES
3.17	ANNEXURE – XVII: DECLARATION FOR RELATION IN BHEL
3.18	ANNEXURE – XVIII: DECLARATION REGARDING MINIMUM LOCAL CONTENT IN LINE WITH REVISED PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA), ORDER 2017 DATED 04TH JUNE, 2020 AND SUBSEQUENT ORDER(S)
3.19	ANNEXURE – XIX: DECLARATION REGARDING COMPLIANCE TO RESTRICTIONS UNDER RULE 144 (xi) OF GFR 2017
3.20	ANNEXURE – XX: BANK ACCOUNT DETAILS FOR E-PAYMENT
3.21	ANNEXURE – XXI: PROFORMA OF BANK GUARANTEE FOR EARNEST MONEY
3.22	ANNEXURE – XXII: PROFORMA OF INSURANCE SURETY BOND TOWARDS EARNEST MONEY DEPOSIT
3.23	ANNEXURE – XXIII: BANK GUARANTEE FOR PERFORMANCE SECURITY
3.24	ANNEXURE – XXIV: PROFORMA OF INSURANCE SURETY BOND TOWARDS PERFORMNCE SECURITY
3.25	ANNEXURE – XXV: PROFORMA OF BANK GUARANTEE (in lieu of RETENTION AMOUNT)
3.26	ANNEXURE – XXVI: PROFORMA OF INSURANCE SURETY BOND TOWARDS RETENTION AMOUNT

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	TABLE OF CONTENTS

SL. NO.	DESCRIPTION
3.27	ANNEXURE – XXVII: BANK GUARANTEE FOR INTEREST BEARING REFUNDABLE ADVANCE
3.28	ANNEXURE – XXVIII: BANK GUARANTEE FOR INTEREST FREE REFUNDABLE ADVANCE
3.29	ANNEXURE – XXIX: LIST OF CONSORTIUM BANK
3.30	ANNEXURE – XXX: ANALYSIS OF UNIT RATES QUOTED
3.31	ANNEXURE – XXXI: CAPACITY EVALUATION OF BIDDERS FOR CURRENT TENDER
3.32	ANNEXURE – XXXII: CONTRACT AGREEMENT
3.33	ANNEXURE – XXXIII: MONTHLY PLAN & REVIEW WITH CONTRACTOR (F-14 format)
3.34	ANNEXURE – XXXIV: MONTHLY PERFORMANCE EVALUATION OF CONTRACTOR
3.35	ANNEXURE – XXXV: INDEMNITY BOND
3.36	ANNEXURE – XXXVI: CONSORTIUM AGREEMENT
3.37	ANNEXURE – XXXVII: PROCEDURE FOR CONDUCT OF CONCILIATION PROCEEDINGS
3.37.1	FORMAT – 1: STATEMENT OF CLAIMS/COUNTER CLAIMS TO BE SUBMITTED TO THE IEC BY BOTH THE PARTIES
3.37.2	FORMAT – 2: FORMAT FOR NOTICE INVOKING CONCILIATION CLAUSE BY BHEL FOR REFERRING THE DISPUTES TO CONCILIATION THROUGH IEC
3.37.3	FORMAT – 3: FORMAT FOR NOTICE INVOKING CONCILIATION CLAUSE BY A STAKEHOLDER FOR REFERRING THE DISPUTES TO CONCILIATION THROUGH IEC
3.37.4	FORMAT – 4: FORMAT FOR INTIMATION TO THE STAKEHOLDER ABOUT APPOINTMENT OF CONCILIATOR/IEC
3.38	WAM-6: RA Bill Format
3.39	WAM-7: Final Bill Submission format with No Claim Certificate and No Demand Certificate
3.40	WAM-10: Refund of Security Deposit
3.41	ANNEXURE – XXXVIII: Claim for Refund of Retention Amount

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	INSTRUCTIONS TO BIDDER

1.1 **GENERAL INSTRUCTIONS:**

1.1.1 The General Conditions of Contract form part of the Tender specifications. For this tender, bidders shall use electronic Signature Viz. Digital Signature Certificate while uploading the tender documents on the e-procurement portal. The information furnished shall be complete by itself. The tenderer is required to furnish all the details and other documents as required in the following pages.

1.1.2 Tenderers are advised to study all the tender documents carefully. Any submission of tender by the tenderer shall be deemed to have been done after careful study and examination of the tender documents and with the full understanding of the implications thereof. Should the tenderers have any doubt about the meaning of any portion of the Tender Specification or find discrepancies or omissions in the drawings or the tender documents issued are incomplete or shall require clarification on any of the technical aspect, the scope of work etc., he shall at once, contact the authority inviting the tender well in time (so as not to affect last date of submission) for clarification before the submission of the tender. Tenderer's request for clarifications shall be with reference to Sections and Clause numbers given in the tender documents. The specifications and terms and conditions shall be deemed to have been accepted by the tenderer in his offer. Non-compliance with any of the requirements and instructions of the tender enquiry may result in the rejection of the tender.

1.1.3 Integrity pact (IP) shall be applicable for all tenders / contracts if indicated in NIT. This IP shall be issued as part of the Tender documents and shall be submitted by the bidder along with Techno-commercial bid duly filled, signed and stamped by the authorized signatory who signs the bid. Entering into this pact shall be a preliminary qualification.

1.1.4 All commercial terms and conditions except price should be submitted as part of techno- commercial offer (Part-I) which may be opened first. The price part (Part-II) is to be submitted in price bid section separately.

1.1.5 Price bids of only those bidders will be opened who will qualify for the subject job on the basis of evaluation of Techno-commercial bids / Pre – Qualification criteria and as considered suitable by BHEL. BHEL shall have sole discretion to adopt its own method for evaluation of Techno-commercial bids/ Pre - Qualification Criteria.

1.1.6 No revision of price will be entertained after tenders are opened, unless mentioned in our enquiry/ asked so by BHEL.

1.1.7 BHEL reserves the right to split, accept or reject any or all tenders without assigning any reason what so ever.

1.1.8 BHEL reserves the right to reduce the tendered item and/or quantity, while awarding the order, without assigning any reason what so ever.

1.1.9 In case Vendor/Contractor fails to execute the LOA/LOI/WO/PO as per terms and conditions of the contract, BHEL shall have the right to arrange/procure the material/services from alternate sources as deemed appropriate by BHEL in line with **Clause no. 2.40** of GCC.

1.2 **PROCEDURE FOR SUBMISSION & OPENING OF TENDERS:**

1.2.1 The tenderers must submit their tenders to Officer inviting tender as per instructions in the NIT. E-Tenders shall be submitted through E-Procurement portal (<https://eprocurebhel.co.in>) as per instruction in NIT. Tenderers to upload offers well in advance in order to avoid last minute congestion in e-procurement website. However, after submission of the tender, the tenderer can re-submit revised tender but before due date and time of submission of tender as notified.

1.2.2 PART-I (techno-commercial bid) shall be opened on the due date and time as specified in the NIT. Tenderers or their authorized representatives may witness the event online through BHEL E-Procurement site (<https://eprocurebhel.co.in>).

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	INSTRUCTIONS TO BIDDER

NOTE: In case the due date of opening of tender becomes a non-working day, then the due date & time of offer submission and opening of tenders get extended to the next working day.

1.2.3 Tenderers whose bids are found techno commercially qualified shall be informed the date and time of opening of the Price Bid through system generated email from BHEL E-Procurement system. Tenderers or their authorized representatives may witness the event online through BHEL E-Procurement site (<https://eprocurebhel.co.in>).

1.2.4 No correspondence shall be entertained from the tenderers after the opening of Part-II (Price bid) of the tender.

1.2.5 BHEL may negotiate the tender, if the quoted rates/terms are found to be unreasonable or in the unacceptable range.

1.2.6 In case wherever scope comprises of supply and services, the tenderers are advised to inspect the site of work and the environments and be well acquainted with the actual working and other prevalent conditions, facilities available, position of material and labour, means of transport and access to Site, accommodation etc before submission of Offer. No claim will be entertained later on the grounds of lack of knowledge of any of these conditions.

The tenderer may get aware about weather conditions, contingencies & other circumstances which may influence or affect their tender prices. Invariable of inspection by the tenderer, the tenderer shall be considered deemed acquainted with all site conditions such as rain patterns, hazardous conditions, soil patterns, local factors etc. Tenderer to have satisfied himself in all respect before quoting his rates and no claim will be entertained later on the grounds of lack of knowledge of any of these conditions.

1.2.7 The information given in the tender documents is for general guidance and shall not be construed as contractually binding on BHEL/ Owner. All relevant site data/ information as may be necessary for bidding shall have to be obtained/ collected by the Tenderer.

1.2.8 The Tenderers are advised to physically visit the site to acquaint and satisfy themselves about the weather conditions, working culture in the area, socio-political environment, safety & security aspects, law & order situation, law of the land, transportation routes, various distances, surroundings of plant/ project premises together with all statutory, obligatory, mandatory requirements of various authorities and obtain for themselves all necessary information as to the risks, contingencies and all other circumstances, which may influence or affect the discharge of various obligations under the Contract during contract period including extended period (if any).

1.2.9 The submission of bid will tantamount to due diligence having been done and it shall be deemed that:

- a. the Tenderer has obtained all necessary information as to risks, contingencies and other circumstances which may influence or affect the Works
- b. the Tenderer accepts total responsibility for having foreseen all difficulties and costs of successfully completing the Works
- c. the Tenderer accepts that, the Contract Price shall not be adjusted to take account of any unforeseeable or unforeseen difficulties or costs and the Tenderer shall not raise any claims/ disputes against BHEL and/ or Owner at later date in any manner whatsoever.

1.2.10 The Tenderer shall mandatorily be required to submit "Site Visit Confirmation Declaration" in Form F-06 along with the Technical Bid.

1.3 CLARIFICATIONS REQUIRED BY BIDDERS:

Technical and Commercial clarifications required, if any, before submission of tender, should be addressed (on or before the date as specified in sl. no. 1. ix of Salient Features of NIT to the official inviting the tenders.

1.4 Void

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	INSTRUCTIONS TO BIDDER

1.5 **METRIC SYSTEM:**

Vendor/Contractors are requested to give metric measurements while quoting.

1.6 **ETHICS IN BUSINESS DEALINGS/ SUSPENSION OF BUSINESS DEALINGS WITH VENDOR/CONTRACTOR:**

BHEL reserves the right to take action against Contractors who either fail to perform or Tenderers/Contractor who indulge in malpractices, by suspending business dealings with them in line with BHEL guidelines issued from time to time.

The offers of the bidders who are under suspension as also the offers of the bidders, who engage the services of the banned firms / principal / agents, shall be rejected. The list of banned firms is available on BHEL web site www.bhel.com.

If any bidder / Vendor/Contractor during pre-tendering / tendering / post tendering / award / execution / post-execution stage indulges in any act, including but not limited to, mal-practices, cheating, bribery, fraud or and other misconduct or formation of cartel so as to influence the bidding process or influence the price or tampers the tendering process or acts or omits in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860(Bhartiya Nyaya Samhita 2023) or any other law in force in India, or does anything which is actionable under the Guidelines for Suspension of Business dealings, action may be taken against such bidder / Vendor/Contractor as per extant guidelines of the company available on www.bhel.com and / or under applicable legal provisions. Guidelines for suspension of business dealings is available in the webpage:

http://www.bhel.com/vendor_registration/vendor.php

The abridged version of extant 'Guidelines for suspension of business dealings with suppliers/ vendors' is available on www.bhel.com on "supplier registration page" i.e., <https://www.bhel.com/guidelines-suspension-business-dealings-supplierscontractors> Bidders should get themselves acquainted with these guidelines.

Fraud Prevention Policy: Bidder along with its associate /collaborators /sub-contractors /sub-vendors / consultants / service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.

Cartel Formation: The Bidder declares that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s). This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process. In case, the Bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/guidelines

Non-Disclosure Certificate: The bidders shall enter into the Non-disclosure agreement totally voluntarily, with full knowledge of its meaning and without duress. **(Annexure-IX).**

1.7 **INTEGRITY COMMITMENT:**

The offers of the bidders who are on the debarred list and also the offer of the bidders, who engage the services of the debarred firms, shall be rejected. The list of debarred firms is available on BHEL web site www.bhel.com on <supplier registration page i.e., <<https://www.bhel.com/list-debarred-firms>>.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	INSTRUCTIONS TO BIDDER

1.7.1 Integrity commitment, performance of the contract and punitive action thereof:

1.7.1.1 Commitment by BHEL:

BHEL commits to take all measures necessary to prevent corruption in connection with the tender Process and execution of the contract. BHEL will during the tender process treat all Bidder(s) in a transparent and fair manner, and with equity.

1.7.1.2 Commitment by Bidder/ Supplier:

1.7.1.2.1 The bidder/ supplier commit to take all measures to prevent corruption and will not directly or indirectly influence any decision or benefit which he is not legally entitled to nor will act or omit in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India.

1.7.1.2.2 The bidder/ supplier will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract and shall adhere to relevant guidelines issued from time to time by Govt. of India/ BHEL.

1.7.1.2.3 The bidder/ supplier will perform/ execute the contract as per the contract terms & conditions and will not default without any reasonable cause, which causes loss of business/ money/ reputation, to BHEL.

If any bidder/ supplier/ vendor during pre-tendering/ tendering/ post tendering/ award/ execution/ post-execution stage indulges in mal-practices, cheating, bribery, fraud or and other misconduct or formation of cartel so as to influence the bidding process or influence the prices or acts or omits in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India, then, action may be taken against such bidder/ supplier/ vendor as per extent guidelines of the company available on www.bhel.com and / or under applicable legal provisions.

1.8 INTEGRITY PACT (IP):

Bidders shall submit Integrity Pact Agreement (Duly signed by authorized signatory who signs in the offer) along with techno-commercial bid, if applicable (as given at Clause no. 1 (xi), Salient Features of NIT). This pact shall be considered as a preliminary qualification for further participation. The names and other details of Independent External Monitor (IEM) for the subject tender is as given below:

- a) IP is a tool to ensure that activities and transactions between the Company and its Bidders/ Supplier / Vendor s are handled in a fair, transparent and corruption free manner. Following Independent External Monitors (IEMs) on the present panel have been appointed by BHEL with the approval of CVC to oversee implementation of IP in BHEL.

Sl. No.	IEM	Email
1.	Shri Otem Dai, IAS (Retd.)	iem1@bhel.in
2.	Shri Bishwamitra Pandey, IRAS (Retd.)	iem2@bhel.in
3.	Shri Mukesh Mittal, IRS (Retd.)	iem3@bhel.in

- b) The IP as enclosed with the tender is to be submitted (duly signed by authorized signatory) along with techno-commercial bid (Part-I, in case of two/ three part bid). Only those bidders who have entered into such an IP with BHEL would be competent to participate in the bidding. In other words, entering into this Pact would be a preliminary qualification.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	INSTRUCTIONS TO BIDDER

- c) Please refer Section-8 of IP for Role and Responsibilities of IEMs. In case of any complaint arising out of the tendering process, the matter may be referred to any of the above IEM(s). All correspondence with the IEMs shall be done through email only.

Note:

No routine correspondence shall be addressed to the IEM (phone/ post/ email) regarding the clarifications, time extensions or any other administrative queries, etc. on the tender issued. All such clarification/ issues shall be addressed directly to the tender issuing (procurement) department's officials whose contact details are as per SCC of tender.

(Please submit the Integrity Pact Format as per Annexure – XIV).

1.9 QUALIFICATION OF TENDERERS

- 1.9.1** Only tenderers who have previous experience in the work of the nature and description detailed in the Notice Inviting Tender and/or tender specification are expected to quote for this work duly detailing their experience along with offer.
- 1.9.2** Offers from tenderers who do not have proven and established experience in the field shall not be considered.
- 1.9.3** The offers of the bidders who are on the debarred list shall be rejected. Further, offer of the bidders, who engage the services of the debarred firms or associated with the debarred firm, for present bid, shall also be rejected. The list of debarred firms is available on BHEL web site www.bhel.com (Refer clause 1.7 of GCC).
- 1.9.4** Offers from tenderers who do not comply with the latest guidelines of Ministry/Commissions of Govt. of India shall not be considered.

1.10 EVALUATION OF BIDS:

- 1.10.1** Techno-commercial evaluation shall be carried out on the basis of technical specifications, commercial terms and conditions and PQR (if applicable) specified in the tender documents and changes/clarifications thereof, if any, based on documentary evidences submitted along with the offer.
- 1.10.2** Bidders (other than cases of single part bids) shall be given an opportunity to withdraw the deviations/ furnish clarifications/submit documents by appropriate cut-off date by authorized purchase executive.
IF THE BIDDER DOES NOT WITHDRAW ITS DEVIATION(S), THE BID WILL BE LIABLE TO BE REJECTED.
- 1.10.3** In case the same qualifying experience is claimed by more than one agency, then:
- The agency who has executed the work as per documentary evidence submitted shall only be qualified. Scope of qualifying work should be totally with the agency who has executed and in case it is only labour and consumables without T&P, then the credentials of execution is assigned to the first agency and not to the agency who has executed only as labour supply contractor. Further, BHEL reserves the right to ask for any other proof for the said job.
 - However, if the same is on account of subletting part of scope by one agency to another agency in a project of BHEL, experience of both the agencies may be considered for the sublet portion of the work provided subletting has been done with the approval of BHEL.
- 1.10.4** In case the qualifying experience claimed by bidder is based on 'Work Order' and 'Experience Certificates' from any organization other than BHEL (main agency), then it shall be the responsibility of bidder to submit (in addition to the experience certificate from main agency) relevant certificate regarding qualifying experience from the end Customer or the Turnkey-Contractor (if any) who has awarded the work to main agency, as a proof for having executed subject qualifying work. BHEL reserves the right to ask for any other proof for the said job.
- 1.10.5** Assessing Bidder's Capacity for executing the current tender shall be as per Notice Inviting Tender.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	INSTRUCTIONS TO BIDDER

- 1.10.6** Price Bids of shortlisted bidders shall only be opened through the electronic price bid opening with/without Reverse Auction, at the discretion of BHEL. Unless specified otherwise in the tender, the L1 bidder amongst all the shortlisted bidders shall be considered for award. However, the L1 bidder shall have no claim on the award & BHEL reserves the right to award the tender at its sole discretion.
- 1.10.7** Price Bids of unqualified bidders shall not be opened. Reasons for rejection shall be intimated in due course either through system generated e-mail or through letter/e-mail after award to successful bidder.
- 1.10.8** Bidders are advised to also refer to **clause no 2.25.4** regarding evaluation of their performance in ongoing projects.

1.11 MICRO & SMALL-SCALE ENTERPRISES (MSE): MSE BENEFIT SHALL NOT BE APPLICABLE

1.12 DATA TO BE ENCLOSED:

Full information shall be given by the tenderer in respect of the following. Non-submission of this information may lead to rejection of the offer.

i) INCOME TAX PERMANENT ACCOUNT NUMBER

Certified copies of Permanent Account Numbers as allotted by Income Tax Department for the Company/Firm/Individual Partners etc. shall be furnished along with tender.

ii) ORGANIZATION CHART

The organization chart of the tenderer's organization, including the names, addresses and contact information of the Directors/Partners shall be furnished along with the offer.

- iii)** An attested copy of the Power of Attorney, in case the tender is signed by an individual other than the sole proprietor.

iv) IN CASE OF INDIVIDUAL TENDERER:

His / her full name, address, PAN and place & nature of business.

v) IN CASE OF PARTNERSHIP FIRM:

The names of all the partners and their addresses, A copy of the partnership deed/instrument of partnership duly certified by the Notary Public shall be enclosed.

vi) IN CASE OF COMPANIES:

- Date and place of registration including date of commencement certificate in case of Companies Certificate of Commencement of Business, if applicable under Section 10A of the Companies Act, 2013, or any other applicable provision, evidencing that the Company is authorized to commence its business operations (certified copies of Memorandum and articles of Association are also to be furnished).
- Nature of business carried on by the Company and the provisions of the Memorandum relating thereof.

1.13 AUTHORIZATION AND ATTESTATION:

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	INSTRUCTIONS TO BIDDER

Tenders shall be signed by a person duly authorized/empowered to do so, for which a Power of Attorney is to be submitted along with the tender offer. For company, a Power of Attorney (as per format in Volume-I D) shall be submitted.

1.14 BANK GUARANTEES:

Where ever Bank Guarantees are to be furnished/submitted by the contractor, the following shall be complied with

- i. Bank Guarantees shall be from Scheduled Banks / Public Financial Institutions as defined in the Companies Act. Bank Guarantees issued by Co-Operative Banks/ Financial Institutions shall not be accepted.
- ii. The Bank Guarantees shall be as per prescribed formats.
- iii. It is the responsibility of the bidder to get the Bank Guarantees revalidated/extended for the required period as per the advice of BHEL. BHEL shall not be liable for issue of any reminders regarding expiry of the Bank Guarantees.
- iv. In case extension/further extensions of any Bank Guarantees are not required, the bidders shall ensure that the same is explicitly endorsed by the Resident Manager.
- v. In case the Bank Guarantees are not extended before the expiry date, BHEL reserves the right to invoke the same by informing the concerned Bank in writing, without any advance notice/communication to the concerned bidder.
- vi. Bidders to note that any corrections to Bank Guarantees shall be done by the issuing Bank, only through an amendment in an appropriate non-judicial stamp paper.
- vii. The Original Bank Guarantee shall be submitted to Subcontracting Department of CPC (Central Procurement Cell) - PSHQ of BHEL unless specified otherwise in TCC.

1.15 REJECTION OF TENDER AND OTHER CONDITIONS:

1.15.1 The acceptance of tender will rest with BHEL which does not bind itself to accept the lowest tender nor any tender and reserves to itself full rights for the following without assigning any reasons whatsoever: -

- a. To reject any or all of the tenders.
- b. To split up the work amongst two or more tenderers as per NIT.
- c. To award the work in part if specified in NIT.
- d. In case of either of the contingencies stated in (b) and (c) above, the time for completion as stipulated in the tender shall be applicable.

1.15.2 Conditional tenders, unsolicited tenders, tenders which are incomplete or not in the form specified or defective or have been materially altered or not in accordance with the tender conditions, specifications etc. are liable to be rejected.

1.15.3 Tenders are liable to be rejected in case of unsatisfactory performance of the tenderer with BHEL or tenderer under suspension (debarred) by any unit / region / division of BHEL or tenderers who do not comply with the latest guidelines of Ministry/Commissions of Govt of India. BHEL reserves the right to

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	INSTRUCTIONS TO BIDDER

not consider a bidder for further processing of tender in case it is observed that they are overloaded and may not be in a position to execute this job as per the required schedule in line with clause no. 9.0 of the 'NIT'. The decision of BHEL will be final in this regard.

- 1.15.4 If a tenderer who is a proprietor expires after the submission of his tender or after the acceptance of his tender, BHEL may at their discretion, cancel such tender. If a partner of a firm expires after the submission of tender or after the acceptance of the tender, BHEL may then cancel such tender at their discretion, unless the firm retains its character. In case BHEL resolves to cancel the tender under this clause, BHEL will issue a notice in this regard containing reasons as to the cancellation of tender. The contractor shall be required to furnish his response to such notice within a period of 14 days from the date of receipt of such notice through any means (BHEL reserves the right to decrease the period up to 05 days). BHEL after due consideration of the representation made by contractor shall communicate its final decision within a reasonable period. In case contractor fails to submit any response to the notice issued by BHEL within the period stipulated in the notice, BHEL at its discretion may proceed to cancel the contract. Contractor shall not be eligible for any compensation whatsoever for the cancellation of contract under this clause
- 1.15.5 BHEL will not be bound by any Power of Attorney granted by changes in the composition of the firm made subsequent to the execution of the contract. BHEL may, however, recognize such power of Attorney and changes after obtaining proper legal advice, the cost of which will be chargeable to the contractor concerned.
- 1.15.6 If the tenderer deliberately gives wrong information in his tender, BHEL reserves the right to reject such tender at any stage or to cancel the contract if awarded and forfeit the Earnest Money/Security Deposit/any other money due.
- 1.15.7 Canvassing in any form in connection with the tenders submitted by the Tenderer shall make his offer liable to rejection.
- 1.15.8 In case the Proprietor, Partner or Director of the Company/Firm submitting the Tender, has any relative or relation employed in BHEL, the authority inviting the Tender shall be informed of the fact as per specified format, along with the Offer. Failing to do so, BHEL may, at its sole discretion, reject the tender or cancel the contract and forfeit the Earnest Money/Security Deposit.
- 1.15.9 The successful tenderer (Contractor) shall not sub-contract any portion of work detailed in the tender specification undertaken by him without written permission of BHEL. BHEL, at its discretion, may consider the written request from the Contractor and permit subletting of part scope. However, the Contractor is solely responsible to BHEL for the work awarded to him.
- 1.15.10 The Tender submitted by a techno commercially qualified tenderer shall become the property of BHEL who shall be under no obligation to return the same to the bidder.
- 1.15.11 Unsolicited discount received after the due date and time of Bid Submission shall not be considered for evaluation. However, if the party who has submitted the unsolicited discount/rebate becomes the L-1 party, then the awarded price i.e. contract value shall be worked out after considering the discount so offered.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	INSTRUCTIONS TO BIDDER

1.15.12 BHEL shall not be liable for any expenses incurred by the bidder in the preparation of the tender irrespective of whether the tender is accepted or not.

1.16 EXECUTION OF CONTRACT AGREEMENT:

The successful tenderer's responsibility under this contract commences from the date of issue of the Letter of Intent/ Award by Bharat Heavy Electricals Limited.

The successful tenderer shall be required to execute an agreement in the prescribed form, with BHEL, within a reasonable time after the acceptance of the Letter of Award, and in any case before releasing the first running bill. The contract agreement shall be signed by a person duly authorized/empowered by the tenderer. The expenses for preparation of agreement document shall be borne by BHEL.

1.17 INTIMATION OF CHANGE OF NAME/ RE-CONSTITUTION OF THE ORGANIZATION:

In the event of the organization (Proprietorship/Partnership/Company) undergoing any change of name or reconstitution, prior intimation of the same shall be given to BHEL. Upon such changes coming into effect, the same is to be intimated to BHEL immediately with supporting documents as applicable.

1.18 LANGUAGE & CORRECTIONS:

- a) The Bid shall be in English language. All correspondence and documents relating to the bid exchanged between the bidder and the BHEL shall also be in ENGLISH language. However, any technical document/ literature etc. printed in a language other than English shall be accompanied by its true English translation duly signed for its correctness. Any document submitted with the bid but not in English language shall not be treated as part of the bid document. The responsibility for the correctness of the translations if any solely rests on the bidder and BHEL shall not be responsible for any loss/likely loss arising out of error in translation whatsoever. In such cases, for the purpose of interpretation of the bid, the English translation shall prevail.
- b) Tenderer shall quote the rates in English language and Indo-Arabic numerals only. These rates shall be entered in figures as well as in words. For the purpose of tender, metric system of units shall be used.
- c) All entries in the tender shall either be typed or written legibly in ink. Cancellations, insertions, erasement, over-writing (if unavoidable) shall be authenticated with signature and seal by the bidder.
- d) Tenderer's offer, remarks and deviations shall be with reference to sections and clause numbers given in the tender documents.

1.19 PRICE DISCREPANCY:

Following shall be considered for evaluation and ordering for non-conformities/errors/discrepancies in price bid:

- a) If, in the price structure quoted for the required goods/ services/ works, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless in the opinion of the BHEL there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price corrected accordingly.
- b) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	INSTRUCTIONS TO BIDDER

- c) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject of (a) and (b) above.
- d) Taxes and duties if not specified clearly as extra shall be considered as included in the basic price and, therefore, shall not be reimbursed. Shall prevail subject of (a) and (b) above.
- e) Bid should be free from correction, overwriting, using corrective fluid, etc. Any interlineation, cutting, erasure or overwriting shall be valid only if they are attested under full signature(s) of person(s) signing the bid else bid shall be liable for rejection.

1.20 PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA):

For this procurement, the local content to categorize a supplier/Vendor as a Class I local supplier/ Class II local Supplier/Non-Local Supplier and purchase preferences to Class I local supplier, is as defined in Public Procurement (Preference to Make in India), Order 2017 dated 04.06.2020 issued by DPIIT. In case of subsequent orders issued by the nodal ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT, but before opening of Part-II bids against this NIT.

1.20.1 Compliance to Restrictions under Rule 144 (xi) of GFR 2017

- I. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. The Competent Authority for the purpose of this Clause shall be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT).
- II. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.
- III. "Bidder from a country which shares a land border with India" for the purpose of this Clause means:-
 - a) An entity incorporated established or registered in such a country; or
 - b) A subsidiary of an entity incorporated established or registered in such a country; or
 - c) An entity substantially controlled through entities incorporated, established or registered in such a country; or
 - d) An entity whose beneficial owner is situated in such a country; or
 - e) An Indian (or other) agent of such an entity; or
 - f) A natural person who is a citizen of such a country; or
 - g) A consortium or joint venture where any member of the consortium or joint venture falls under any of the above.
- IV. The beneficial owner for the purpose of (III) above will be as under:
 - 1. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.
Explanation-
 - a. "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent of shares or capital or profits of the company.
 - b. "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements.

	CENTRAL PROCUREMENT CELL (CPC) <i>PURCHASE DEPARTMENT</i>	GENERAL CONDITIONS OF CONTRACT (GCC)	<i>INSTRUCTIONS TO BIDDER</i>

2. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership.
3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person has ownership of or entitlement to more than fifteen percent of the property or capital or profits of the such association or body of individuals.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	INSTRUCTIONS TO BIDDER

4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
 5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.
- V. An Agent is a person employed to do any act for another, or to represent another in dealings with third person.

Note:

- i. The bidder shall provide undertaking for their compliance to this Clause, in the format provided in Annexure-XIX.
- ii. Registration of the bidder with Competent Authority should be valid at the time of submission of bids and at the time of acceptance of the bids.

1.21 CONFLICT OF INTEREST:

A bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practices to the detriment of Procuring Entity's interests. The bidder found to have a conflict of interest shall be disqualified. A bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if:

- a) they have controlling partner (s) in common; or
- b) they receive or have received any direct or indirect subsidy/ financial stake from any of them; or
- c) they have the same legal representative/agent for purposes of this bid; or
- d) they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder; or
- e) Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of the components/ sub-assembly/ Assemblies from one bidding manufacturer in more than one bid: or
- f) In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent/dealer. There can be only one bid from the following:
 - i. The principal manufacturer directly or through one Indian agent on his behalf, and
 - ii. Indian/foreign agent on behalf of only one principal;

or
- g) A Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid; or
- h) In case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership/management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare such sister/ common business/ management units in same/ similar line of business."

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

2.1 DEFINITION OF TERMS: The following terms shall have the meaning hereby assigned to them except where the context otherwise requires

- 2.1.1 BHEL/Purchaser** shall mean Bharat Heavy Electricals Limited, a company registered under Indian Companies Act 1956, having its Registered Office at BHEL HOUSE, SIRI FORT, NEW DELHI – 110 049, or its office at CPC (Central Procurement Cell), PSHQ, Noida or its Power Sector Regional Offices or its Authorized Officers (inviting tenders).
- 2.1.2 TENDERER/ BIDDER** shall mean the Firm/ Company/ Organisation who quotes against the Tender Enquiry issued by BHEL.
- 2.1.3 SUPPLIER/ VENDOR / CONTRACTOR** shall mean the successful bidder with whom the Order/ Contract is made.
- 2.1.4 “COMPETENT AUTHORITY”** shall mean BHEL Officers who are empowered to act on behalf of BHEL.
- 2.1.5 “ENGINEER” or “ENGINEER IN CHARGE”** shall mean an Officer of BHEL as may be duly appointed and authorized by BHEL to act as “Engineer” on his behalf for the purpose of the Contract, to perform the duty set forth in this General Conditions of Contract and other Contract documents. The term also includes “CONSTRUCTION MANAGER” or “SITE INCHARGE” or “Resident Manager” as well as Officers at Site or at the Headquarters of the respective Power Sector Regions. For the purpose of joint measurement, verification, certification and/ or approval of the work and/ or documents under the contract the word "Engineer" or "Engineer In-charge" shall be deemed to include the Engineers of the Customer and/ or his Consultant also.
- 2.1.6 “SITE”** shall mean the places or place at which the plants/ equipment is to be installed and services are to be performed as per the specification of this Tender.
- 2.1.7 “CLIENT OF BHEL” or “CUSTOMER”** shall mean the project authorities with whom BHEL has entered into a contract for supply of equipment or provision of services.
- 2.1.8 “CONTRACTOR”** shall mean the successful Bidder/Tenderer who is awarded the Contract and shall include the Contractor’s successors, heirs, executors, administrators and permitted assigns.
- 2.1.9 “CONTRACT” or “CONTRACT DOCUMENT”** shall mean and includes the Agreement or Work Order, the accepted appendices of Rates, Schedules, Quantities if any, Offer submitted by contractor including acceptance to General Conditions of Contract, Special Conditions of Contract, Instructions to the Tenderers, Drawings, Technical Specifications, the Special Specifications if any, the Tender documents, subsequent amendments /corrigendum to Tender mutually agreed upon and the Letter of Intent/Award/Acceptance issued by BHEL. Any conditions or terms stipulated by the contractor in the tender documents or subsequent letters shall not form part of the contract unless, specifically accepted in writing by BHEL in the Letter of Intent/Award and incorporated in the agreement or amendment thereof.
- 2.1.10 “GENERAL CONDITIONS OF CONTRACT (GCC)”** shall mean the ‘Instructions to Tenderers’ and ‘General Conditions of Contract’ pertaining to the work for which above tenders have been called for.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

- 2.1.11 “TENDER SPECIFICATION” or “TENDER” or “TENDER DOCUMENTS”** shall mean General Conditions, Common Conditions, Special Conditions, Price Bid, Rate Schedule, Technical Specifications, Appendices, Annexures, Corrigenda, Amendments, Forms, Procedures, Site information etc. and drawings/documents pertaining to the work for which the tenderers are required to submit their offers. Individual specification number will be assigned to each Tender Specification.
- 2.1.12 “LETTER OF INTENT/ AWARD/WORK ORDER”** shall mean the intimation by a Letter/Fax/email to the tenderer that the tender has been accepted in accordance with provisions contained in the letter. The responsibility of the contractor commences from the date of issue of this letter and all terms and conditions of the contract/ vendor are applicable from this date.
- 2.1.13 “COMPLETION TIME”** shall mean the period by ‘date/month’ specified in the ‘Letter of Intent/Award’ or date mutually agreed upon for handing over of the intended scope of work, the erected equipment/plant which are found acceptable by the Engineer, being of required standard and conforming to the specifications of the Contract.
- 2.1.14 “PLANT”** shall mean and connote the entire assembly of the plant and equipments covered by the contract.
- 2.1.15 “EQUIPMENT”** shall mean equipment, machineries, materials, structural, electricals and other components of the plant covered by the contract.
- 2.1.16 “TESTS”** shall mean and include such test or tests to be carried out on the part of the contractor as are prescribed in the contract or considered necessary by BHEL in order to ascertain the quality, workmanship, performance and efficiency of the contractor or part thereof.
- 2.1.17 “APPROVED”, “DIRECTED” or “INSTRUCTED”** shall mean approved, directed or instructed by BHEL.
- 2.1.18 “WORK or CONTRACT WORK”** shall mean and include supply of all categories of labour, specified consumables, tools and tackles and Plants required for complete and satisfactory material procurement, storage, fabrication, transportation and other allied works to the entire satisfaction of BHEL.
- 2.1.19 “SINGULAR AND PLURALS ETC”** words carrying singular number shall also include plural and vice versa, where the context so requires. Words imparting the masculine Gender shall be taken to include the feminine Gender and words imparting persons shall include any Company or Associations or Body of Individuals, whether incorporated or not.
- 2.1.20 “HEADING”** – The heading in these General Conditions are solely for the purpose of facilitating reference and shall not be deemed to be part thereof or be taken as instructions thereof or of the contract.
- 2.1.21 GOODS/SUPPLIES** means all the items, materials, equipment and/or machinery, which the supplier is required to supply to the BHEL in terms of a contract.
- 2.1.22 SERVICES** means the services ancillary to the supply of the goods, such as transportation and insurance and as any other incidental services, such as installation, commissioning, provision of

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

technical assistance, training and other such obligation of the Vendor/Contractor covered under a contract.

2.1.23 CONSIGNEE means the individual or body to whom the contracted goods are required to be delivered as per the terms and conditions incorporated in a contract.

2.1.24 'Day' or 'Days' unless herein otherwise expressly defined shall mean calendar day or days of twenty-four (24) hours each. A Week shall mean continuous period of seven (7) days.

2.1.25 "MONTH" shall mean calendar month unless otherwise specified in the Tender.

2.1.26 "WRITING" shall include any manuscript type written or hand written or printed statement or electronically transmitted messages, under the signature or seal or transmittal of BHEL.

2.1.27 "TEMPORARY WORK" shall mean all temporary works for every kind required in or for the execution, completion, maintenance of the work.

2.1.28 'CONTRACT PRICE' or 'CONTRACT VALUE' shall mean the sum mentioned in the LOI/LOA/Contract Agreement subject to such additions thereto or deductions there from as may be made under provisions hereinafter contained.

2.1.29 'EXECUTED CONTRACT VALUE' shall mean actual value of works executed by the contractor and certified by BHEL. This value shall not include PVC, Extra Works and Taxes.

2.1.30 "COMMENCEMENT DATE" or "START DATE" shall mean the commencement/start of work at Site as per terms defined in the Tender.

2.1.31 "SHORT CLOSING" or "FORE CLOSING" of Contract shall mean the premature closing of Contract, for reasons not attributable to the contractor and mutually agreed between BHEL and the contractor.

2.1.32 "TERMINATION" of Contract shall mean the pre-mature closing of contract due to reasons as mentioned in the contract.

2.1.33 "DE MOBILIZATION" shall mean the temporary winding up of Site establishment by Contractor leading to suspension of works temporarily for reasons not attributable to the contractor.

2.1.34 "RE MOBILIZATION" shall mean the resumption of work with all resources required for the work after demobilization.

2.2 PRICES:

Prices shall be for the entire scope of supply / services in line with all instructions, specifications, terms & conditions specified in the tender documents and subsequent clarifications/ confirmations till completion of contract.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

2.3 INSPECTION:

Inspection for the stores will be carried out at the Contractor/ Vendor's works/ BHEL Destinations/ Sites by the BHEL authorized inspecting officer. Wherever preliminary or stage Inspection is to be carried out at the Vendor/Contractor's works the same will be subject to final acceptance/after receipt of the stores at the BHEL works / Destinations/ Site as the case may be and the decision of the BHEL shall be final. BHEL reserves the right to inspect the material during/after manufacturing at Vendor/Contractor's works and/or at BHEL Site and also to get tested the material under dispatch from third party. The test results of third-party test shall be final and binding on the Vendor/Contractor. Rejected goods will be returned to the Vendor/Contractor at his cost including freight on original shipment. Vendor/Contractor shall be liable to replace the materials at his own cost.

2.4 MATERIAL DESPATCH CLEARANCE CERTIFICATE (MDCC):

- 2.4.1** When the inspection have been satisfactorily completed at Vendor/ Contractor's works, the Inspection Agency /BHEL shall issue an inspection report that effect within **Seven (07)** days after completion of the inspection. If the inspections were waived by BHEL, the material acceptance report would be issued within **Seven (07)** days after receipt of the test certificates by the BHEL.
- 2.4.2** BHEL will issue MDCC to the Vendor/ Contractor within **Seven (07)** days based on inspection report/ test certificates/Certificate of Conformance, to be completed in all aspects, as applicable. In case of delay in issuance of MDCC beyond **Seven (07)** days stipulated time (i.e. from the date of successful inspection report), by BHEL arising due to reasons not attributable to vendor, BHEL will extend the delivery period for such delay in issuing MDCC.
- 2.4.3** MATERIAL DISPATCH CLEARANCE CERTIFICATE (MDCC): MDCC shall be issued by BHEL. No material shall be dispatched by Vendor/Contractor unless and until Material Dispatch Clearance Certificate (MDCC) issued by BHEL Site. In case any material is dispatched without MDCC and any loss is incurred by Vendor/ Contractor for any reason whatsoever, BHEL shall not be responsible in any manner to compensate the Vendor/Contractor in this regard.
- 2.4.4** Satisfactory completion of tests or issue of MDCC shall not absolve the responsibilities of Vendor/ Contractor from the contract.

2.5 VOID

2.6 PACKING AND MARKING:

Packing shall be in conformity with specifications and shall be such as to ensure prevention of damages, corrosion, deterioration, shortages, pilferage and loss in transit or storage. In case of shipment by sea, the packing shall be sea-worthy and of international standards. If any damage, deterioration or loss is sustained when the carrier or underwriter attributed to improper/defective packing the Vendor/ Contractor shall be liable to replace the stores at his cost or reimburse the value of the loss to the BHEL notwithstanding whether the insurance is arranged by him or not.

The following marking shall be made on each package in Black bold capital letters;

- i. Name & Address of Consignee
- ii. Dimension of Package
- iii. Weight details (Gross & Net)

These markings should be stencilled or written in bold letters on the package. Should the package be small, suitable cards/ metal tags giving these details may be tagged or nailed to such package.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

2.7 DELIVERY:

Supply of plant/ equipment/ stores shall not be considered complete until they have been inspected and accepted at the place and destination specified for delivery by the time stipulated under the terms & conditions of the Order/ Contract. **Vendor/ Contractor shall not dispatch any material before issuance of MDCC by BHEL.** Mere payment by itself shall not constitute acceptance of the goods or materials in any manner, whatsoever.

2.8 REJECTION:

The Vendor/ Contractor shall intimate the BHEL in writing, within 15 days after the receipt of rejection advice, regarding disposal of the rejected plant/ equipment/ material /stores. If no advice is received within aforesaid period the BHEL shall be at liberty to return the stores at the cost of the Vendor/ Contractor after recovering the cost, if any paid by the BHEL including inward freight and other incidental charges. The BHEL will not be responsible for rejected stores thereafter and no claim whatsoever will rest on the BHEL.

2.9 SHORTAGES / DAMAGES:

If there are any shortages/damages in Equipment/ Stores found during receipt of material at Destination/ site, vendor shall supply replacements for same, as early as possible, at the old contractual rates upon intimation to vendor within one (1) months of receipted LR. Decision of BHEL regarding shortages/damages shall be final and binding. LD shall be applicable as per original delivery schedule of P.O.

2.10 TRANSPORTATION & FREIGHT CHARGES:

All dispatches shall be through road / rail / air carriers on freight pre-paid basis, unless otherwise specified in the TCC. E-way bill, if required, will be arranged by Vendor/ Contractor.

2.11 TERMS OF PAYMENT: Payment terms shall be as mentioned below, unless otherwise specified in the Technical Conditions of Contract (TCC).

2.11.1 RUNNING ACCOUNT BILLS (RA BILLS):

- i) These are for interim payments when the contracts are in progress. The bills for such interim payments are to be prepared by Contractor in prescribed formats (RA Bill forms).
- ii) Payments shall be made according to the extent of work done as per measurements taken up to the end of the calendar month and in line with the terms of payments described in the Tender documents.
- iii) Recoveries on account of electricity, water, statutory deductions etc. are made as per terms of contract.
- iv) Full rates for the work done shall be allowed only if the quantum of work has been done as per the specifications stipulated in the contract. If the work is not executed as per the stipulated specifications, BHEL may ask the contractor to redo the work according to the required specifications, without any extra cost. However, where this is not considered necessary 'OR' where the part work is done due to factors like non-availability of material to be supplied by BHEL 'OR' non availability of fronts 'OR' non availability of drawings, fraction payment against full rate, as is considered reasonable, may be allowed with due regard for the work remaining to be done. BHEL decision in this regard will be final and binding on the contractor.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

2.11.2 FINAL BILL / LAST RA BILL

Final Bill' is used for final payment on closing of Running Account for works or for single payment after completion of works. 'Final Bill' shall be submitted as per prescribed format after completion of works as per scope and upon material reconciliation, along with the following:

- i) ' No Claim Certificate' by Contractor as per clause 2.20.10 of GCC
- ii) Clearance certificates where ever applicable viz. various Statutory Authorities like Labour department, PF Authorities, Commercial Tax Department etc.
- iii) Indemnity Bond as per prescribed format.

BHEL shall settle the final bills after deducting all liabilities of Contractor to BHEL.

2.11.3 MODE OF PAYMENT:

Payments shall be made directly to the Vendor/ Contractor by E-transfer. Vendor/ Contractor will provide necessary information for the same as per format mentioned in GCC to BHEL.

2.11.4 NO INTEREST PAYABLE TO VENDOR/CONTRACTOR: No interest shall be payable by the BHEL to the Vendor/ Contractor on any money or balances including but not limited to the Performance security amount, EMD, any bills or any amount withheld which may become due owing to difference or misunderstanding or any dispute between the BHEL and the Vendor/Contractor, or any delay on the part of BHEL in making periodical or final payment or any other aspects incidental thereto.

2.12 Earnest Money Deposit (EMD):

2.12.1 Every tender must be accompanied by the prescribed amount of Earnest Money Deposit (EMD) in the manner described herein.

- i. EMD shall be furnished before tender opening / along with the offer in full as per the amount indicated in the NIT.
- ii. The EMD up to an amount of Rs. 2 Lakh is to be paid only in the following forms:
 - a) Cash deposit as permissible under the extant Income Tax Act (before tender opening).
 - b) Electronic Fund Transfer credited in BHEL account (before tender opening).
 - c) Banker's cheque / Pay order / Demand draft, in favour of 'Bharat Heavy Electricals Limited' and payable at BHEL office, issuing the tender (along with offer).
 - d) Fixed Deposit Receipt (FDR) issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Contractor, a/c BHEL) duly marking lien in favour of BHEL (along with offer). The Fixed Deposit in such cases shall be valid for at least six months from the due date of tender submission.
 - e) Insurance Surety Bonds.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

iii. In case EMD amount is more than Rs. Two Lakhs, Tenderer has the option to submit the amount in excess of Rs. Two lakhs in the forms described above in clause no. 2.12.1. ii) (a) to (e) or in the form of Bank Guarantee from Scheduled Bank (along with the Offer). The Bank Guarantee in such cases shall be valid for at least six months from the due date of tender submission. The Bank Guarantee format for EMD shall be in the prescribed formats.

iv. No other form of EMD remittance shall be acceptable to BHEL.

v. Proof of EMD: Bidder shall upload the scanned copy of EMD along with bid submission through BHEL e-procurement Portal. However, for the purpose of realization, the bidder shall send the demand draft/ banker's cheque/ pay order/ Bank Guarantee/ FDR/ Insurance Surety Bonds, in original, to the designated officer through post/courier or by hand within reasonable time.

2.12.2 EMD by the Tenderer will be forfeited as per NIT conditions, if:

i. After opening the tender and within the offer validity period, the tenderer revokes his tender or makes any modification in his tender which is not acceptable to BHEL.

OR

ii. The successful Contractor, on whom the work has been awarded, fails to deposit the required Security deposit or commence the work within the period as per LOI/ LOA/ Contract or refuse to accept the LOI/ LOA/ Contract.
EMD by the tenderer shall be withheld in case any action on the tenderer is envisaged under the provisions of extant "Guidelines on Suspension of business dealings with Vendor/Contractors" of BHEL and forfeited/ released based on the action as determined under these guidelines.

2.12.3 EMD shall not carry any interest.

2.12.4 EMD given by all unsuccessful tenderers shall be refunded normally within fifteen days of award of work.

2.12.5 Cash portion of EMD of successful tenderer will be retained as part of Security Deposit. EMD submitted in the form of Bank Guarantee/ FDR shall be retained by BHEL until the receipt of the Security Deposit.

2.13 PERFORMANCE SECURITY / SECURITY DEPOSIT: As per TCC and extant corrigendum.

2.14 GUARANTEE / WARRANTY FOR EQUIPMENT/ STORES:

2.14.1 Vendor / Contractor shall warrant that the stores supplied shall be free from all defects and faults in design & engineering, material, workmanship & manufacture and shall be of the highest grade and consistent with the established and generally accepted standards and in full conformity with the Order/ Contract specifications, drawing or samples, if any.

2.14.2 VOID

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

2.14.3 Rectification / replacement required during the Guarantee / Warranty period shall be arranged by the Vendor/Contractor free of cost including to and fro transport charges, import duty/excise duty/other taxes/insurance etc. payable on the items rectified and/or replaced.

2.15 RECOVERY OF OUTSTANDING AMOUNT:

Unless otherwise specified in the TCC, in event of any amount of money being claimed to be payable at any point of time against the Vendor / Contractor due to excess payment or any other reason whatsoever, in the present order/ contract or any other order/ contract from any BHEL Unit, the claimed amount shall be recovered from the payments due to the

Vendor / Contractor at any appropriate time and manner/ mode as deemed fit by the BHEL from this or any other order/ contract of any BHEL unit at its sole discretion.

2.16 INDEMNIFICATION:

Vendor / Contractor shall fully indemnify and keep indemnified the BHEL against all claims /losses/damages/demands/expenses of whatsoever nature arising during the course and out of the execution of this Order/Contract.

2.17 ISSUE OF NOTICE:

2.17.1 Service of notice to the Contractor:

Any notice to be given to the Contractor under the terms of the contract shall be served by sending the same by Email/ Registered Post/Speed Post to or leaving the same at the Contractor's last known address of the principal place of business (or in the event of the contractor being a company, to or at its Registered Office). In case of change of address, the notice shall be served at changed address as notified in writing by the Contractor to BHEL. Such dispatch or display of the notice as the case may be shall be deemed to be good service of such notice and the time mentioned to the condition for doing any act after notice shall be reckoned from the date so mentioned in such notice.

2.17.2 Service of notice to BHEL:

Any notice to be given to BHEL In-charge / Resident Manager under the terms of the Contract shall be served by sending the same by Registered / AD or Speed Post to BHEL address or changed address as notified in writing by BHEL to the Contractor.

2.18 USE OF LAND:

No land belonging to BHEL shall be occupied by the contractor without written permission of BHEL.

2.19 COMMENCEMENT OF WORK:

2.19.1 The contractor shall commence the work as per the time indicated in TCC/LOI/LOA from BHEL and shall proceed with the same with due expedition without delay.

2.19.2 If the contractor fails to start the work within stipulated time as per TCC/LOI/ LOA or as intimated by BHEL, then BHEL at its sole discretion shall have the right to cancel the contract. The Earnest Money and/or Security Deposit furnished by the contractor to under this tender will stand forfeited without any further reference to him and without prejudice to BHEL's other rights and remedies under this contract and the applicable laws in this regard.

2.19.3 All the work shall be carried out under the direction and to the satisfaction of BHEL.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

2.20 MEASUREMENT OF WORK AND MODE OF PAYMENT:

- 2.20.1** All payments due to the contractors shall be made by e mode only, unless otherwise found operationally difficult for reasons to be recorded in writing and approved by contract executing department.
- 2.20.2** For progress running bill payments: - The Contractor shall present detailed measurement sheets in triplicate, duly indicating all relevant details based on technical documents and connected drawings for work done during the month/period under various categories in line with terms of payment as per contract. The basis of arriving at the quantities, weights shall be relevant documents and drawings released by BHEL. These measurement sheets shall be prepared jointly with BHEL Engineers and signed by both the parties.
- 2.20.3** These measurement sheets will be checked by BHEL Engineer and quantities and percentage eligible for payment under various groups shall be decided by BHEL Engineer. The abstract of quantities and percentage so arrived at based on the terms of payment shall be entered in Measurement Book and signed by both the parties.
- 2.20.4** Based on the above quantities, contractor shall prepare the bills, along with statutory documents, in prescribed format and work out the financial value. These will be entered in Measurement Book and signed by both the parties. Payment shall be made by BHEL after effecting the recoveries due from the contractor.
- 2.20.5** All recoveries due from the contractor for the month/period shall be effected in full from the corresponding running bills unless specific approval from BHEL is obtained to the contrary.
- 2.20.6** Measurement shall be restricted to that portion of work for which it is required to ascertain the financial liability of BHEL under this contract.
- 2.20.7** The measurement shall be taken jointly by persons duly authorized on the part of BHEL and by the Contractor.
- 2.20.8** The Contractor shall bear the expenditure involved if any, in making the measurements and testing of materials to be used/ used in the work. The contractor shall, without extra charges, provide all the assistance with appliances and other things necessary for measurement.
- 2.20.9** If at any time due to any reason whatsoever, it becomes necessary to re-measure the work done in full or in part, the expenses towards such re measurements shall be borne by the contractor unless such re measurements are warranted solely for reasons not attributable to contractor.
- 2.20.10** Passing of bills covered by such measurements does not amount to acceptance of the completion of the work measured. Any left-out work has to be completed, if pointed out at a later date by BHEL.

Final measurement bill shall be prepared in the final bill format prescribed for the purpose based on the certificate issued by BHEL Engineer that entire works as stipulated in tender specification has been completed in all respects to the entire satisfaction of BHEL. The Contractor shall submit the final bill in line with WAM 7 format as per tender documents with an additional recording of the dispute, if any and shall sign with the following declaration:

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

I/ We hereby certify that I/We have performed the work as per the terms and conditions of Contract Agreement/Work Order No..... dated for which payment is claimed as above and that I/We have no further claim under this agreement/work order* except for the following (nature of claim with details & amount claimed, if any. NIL may be mentioned if there are no further claims). –

- a)
- b)
- c)

It is agreed that the authorized signatory of Contractor shall necessarily record his claims/ dispute in Form WAM 7 only and any claim(s)/ dispute in any other form/ letter shall not be taken cognizance of by BHEL and admissible before any forum. BHEL shall make the payment of undisputed amount within the stipulated time without any unreasonable delay.

All the tools and tackles loaned to him should be returned in satisfactory condition to BHEL. The abstract of final quantities and financial values shall also be entered in the Measurement Books and signed by both parties to the contract. The Final Bill shall be prepared and paid within a reasonable time after completion of work.

2.21 VOID

2.22 LIMITATION ON LIABILITY:

Notwithstanding anything to the contrary in this Contract or LOA or Work Order or any other mutually agreed document between the parties, the maximum liability, for damages, of the contractor, its servants or agents, shall under no circumstances exceed an amount equal to the Price of the Contract or the Work Order. Neither party shall be liable to the other for any indirect or consequential loss or damage, including but not limited to loss of use, loss of profits, or loss of contracts, or special, punitive, exemplary losses whatsoever, arising out of or in connection with this contract.

This shall not be applicable on the recoveries made by Customer from BHEL on account of Contractor, any other type of recoveries for workmanship, material, T&P etc. due from the contractor.

2.23 DELAY/ TIME EXTENSION:

- 2.23.1** The Vendor / Contractor shall timely dispatch/ deliver and complete other schedules as stipulated in Order/ Contract. If the Vendor/Contractor fails to complete the dispatch/ delivery and other schedules within the time period stipulated in Order/ Contract, or within any extension of time granted by BHEL, it shall be lawful for BHEL to recover damages for the breach of Order/ Contract without prejudice to any other rights and/ or remedies provided for, in the Order/ Contract and hereunder. For any delay not attributable to the Vendor / Contractor, the Vendor / Contractor must report the same to the BHEL immediately in writing only.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

2.23.2 If the completion of work as detailed in the scope of work gets delayed beyond the contract period, the Vendor / Contractor shall request for an extension of the contract and BHEL at its discretion may extend the Contract. If the completion of work gets delayed for reasons not attributable to the Vendor / Contractor, the contract period may be suitably extended at the sole discretion of BHEL

2.23.3 Based on the F-14 formats (Annexure-XXXIII), the works balance at the end of original contract period less the backlog attributable to the Vendor / Contractor shall be quantified, and the number of months of 'Time extension' required for completion of the same shall be jointly worked out. Within this period of 'Time extension', the Vendor / Contractor is bound to complete the portion of backlog attributable to the Vendor / Contractor. Any further 'Time extension' or 'Time extensions' at the end of the previous extension shall be worked out similarly.

2.23.4 However, if any 'Time extension' is granted to the Vendor / Contractor to facilitate continuation of work and completion of contract, due to backlog attributable to the Vendor / Contractor alone, then it shall be without prejudice to the rights of BHEL to impose penalty/LD for the delays attributable to the Vendor / Contractor, in addition to any other actions BHEL may wish to take under **Clause 2.40.2** of GCC i.e. Breach of Contract, Remedies and Termination.

2.23.5 Planning, progress monitoring, monthly review and performance monitoring shall be carried out as per clause **2.25 of GCC**.

2.24 RESPONSIBILITIES OF THE CONTRACTOR IN RESPECT OF LOCAL LAWS, EMPLOYMENT OF WORKERS ETC.

The following are the responsibilities of the contractor in respect of observance of local laws, employment of personnel, payment of taxes etc. The subcontractor shall fully indemnify BHEL against any claims of whatsoever nature arising due to the failure of the contractor in discharging any of his responsibilities hereunder:

2.24.1 As far as possible, Unskilled Workers shall be engaged from the local areas in which the work is being executed.

2.24.2 The contractor at all times during the continuance of this contract shall, in all his dealings with local labour for the time being employed on or in connection with the work, have due regard to all local festivals and religious and other customs.

2.24.3 The contractor shall comply with all applicable State and Central Laws, Statutory Rules, Regulations, Notifications etc. such as Factory Act, Payment of Wages Act, Minimum Wages Act, Workmen Compensation Act, Employer's Liability Act, Industrial Disputes Act, Employers Provident Fund and Miscellaneous Provisions Act, 1952, Employees State Insurance Scheme, Contract Labour (Regulation and Abolition) Act, 1970, Payment of Bonus & Gratuity Act, Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Act 1996, The Building and Other Construction Workers' Welfare Cess Act 1996 and other Acts, Rules, and Regulations for labour/workers as applicable and as may be enacted by the State Government and Central Govt. during the tenure of the Contract and having force or jurisdiction at Site. The Contractor shall also comply with provisions of and give all such notices to the local Governing Body, Police and other relevant Authorities as may be required by the Law. The

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

Contractor shall without any fail maintain all the registers/records in proper formats as per all the Acts, Rules and Regulations mentioned in this clause.

2.24.4 The Contractor shall obtain independent License under the Contract Labour (Regulations and Abolition) Act, 1970 for engaging contract labour as required from the concerned Authorities based on the certificate (Form- V or as applicable) issued by the Principal Employer/BHEL.

2.24.5 The contractor shall pay and bear all taxes, fees, license charges, Cess, duties, deposits, tolls, royalties, commission or other charges which may be leviable on account of his operations in executing the contract.

2.24.6 Contractor shall be responsible for provision of Health and Sanitary arrangements (more particularly described in Contract Labour Regulation & Abolition Act), Safety precautions etc. as may be required for safe and satisfactory execution of contract.

2.24.7 The contractor shall be responsible for proper accommodation including adequate medical facilities for personnel employed by him.

2.24.8 The contractor shall be responsible for the proper behavior and observance of all regulations by the staff employed by him.

2.24.9 The contractor shall ensure that no damage is caused to any person/property of other parties working at site/company premises. If any such damage is caused, it is responsibility of the contractor to make good the losses or compensate for the same.

2.24.10 All the properties/equipments/components of BHEL/their Client/customer loaned with or without deposit to the contractor in connection with the contract shall remain properties of BHEL/their Client/customer.

2.24.11 The contractor shall use such properties for the purpose of execution of this contract. All such properties/equipments/components shall be deemed to be in good condition when received by the contractor unless he notifies within 48 hours to the contrary. The contractor shall return them in good condition as and when required by BHEL/their Client. In case of non-return, loss, damage, repairs etc. the cost thereof as may be fixed by BHEL Engineer will be recovered from the contractor.

2.24.12 In case the contractor is required to undertake any work outside the scope of this contract, the rates payable shall be those mutually agreed upon if the item rates are not mentioned in existing contract.

2.24.13 Any delay in completion of works/or non-achievement of periodical targets/non execution of contract due to the reasons attributable to the contractor, the same may have to be compensated by the contractor either by increasing manpower and resources or by working extra hours and/or by working more than one shift. All these are to be carried out by the contractor at no extra cost.

2.24.14 The contractor shall arrange, coordinate his work in such a manner as to cause no hindrance to other agencies working in the same premises.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

2.24.15 All safety rules and codes applied by the BHEL at site shall be observed by the contractor without exception. The contractor shall be responsible for the safety of the equipment/material and works to be performed by him and shall maintain all light, fencing guards, slings etc. or other protection necessary for the purpose. Contractor shall also take such additional precautions as may be indicated from time to time by the Engineer with a view to prevent pilferage, accidents, fire hazards. Due precautions shall be taken against fire hazards and atmospheric conditions. Suitable number of Clerical staff, watch and ward, store keepers to take care of equipment/materials and construction tools and tackles shall be posted at site by the contractor till the completion of work under this contract.

The contractor shall arrange for such safety devices as are necessary for such type of work and carry out the requisite site tests of handling equipment, lifting tools, tackles etc. as per prescribed standards and practices.

Contractor has to ensure the implementation of Health, Safety and Environment (HSE) requirements as per directions given by BHEL/ Statutory authorities (as applicable). The contractor has to assist in HSE audit by BHEL and submit compliance Report. The contractor has to generate and submit record/reports as per HSE plan/activities as per instruction of BHEL/ Statutory authorities (as applicable).

2.24.16 The contractor shall be directly responsible for payment of wages to his workmen/labours before the expiry of seven days from the last day of wage period and to ensure disbursement of wages in the presence of the representative from BHEL. A pay roll sheet giving all the payments given to the workers and duly signed by the contractor's representative should be furnished to BHEL site for the purpose of maintaining the records for compliance.

Contractor shall create awareness amongst their workforce by helping & encouraging in opening bank accounts and to encourage them to adopt digital mode of transactions. While releasing wages/ salary to their workers/ supervisors/ staff, Contractor shall comply with the GOI's guidelines for maximizing such transactions through Non-Cash / digital means.

2.24.17 In case of any class of work for which there is no such specification as laid down in the contract, such work shall be carried out in accordance with the instructions and requirements of the Engineer.

2.24.18 The contractor shall take all reasonable care to protect the materials and work till such time the plant/equipment has been taken over by BHEL or their Customer whichever is earlier.

2.24.19 The contractor shall not stop the work or abandon the site for whatsoever reason of dispute, excepting force majeure conditions. All such problems/disputes shall be separately discussed and settled without affecting the progress of work. Such stoppage or abandonment shall be treated as breach of contract and dealt with accordingly.

2.24.20 The contractor shall keep the area of work clean and shall remove the debris etc. while executing day-to-day work. Upon completion of work, the contractor shall remove from the vicinity of work, all scrap, packing materials, rubbish, unused and other materials and deposit them in places specified by the Engineer. The contractor will also demolish all the hutments, sheds, offices etc. constructed and used by him and shall clean the debris. In the event of his

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

failure to do so, the same will be arranged to be done by the Engineer and the expenses recovered from the contractor.

2.24.21 The contractor shall execute the work in the most substantial and workman like manner in the stipulated time. Accuracy of work and timely execution shall be the essence of this contract. The contractor shall be responsible to ensure that the quality, assembly and workmanship conform to the dimensions and clearance given in the drawings and/ or as per the instructions of the Engineer.

2.24.22 The Contractor to note that some of BHEL's T&Ps/MMDs may not be insured. The Contractor will take necessary precautions and due care to protect the same while in his custody from any damage/ loss till the same is handed over back to BHEL. In case the damage / loss is due to carelessness/ negligence on the part of the contractor, the Contractor is liable to get them repair/ replaced immediately and in case of his failure to do so within a reasonable time, BHEL shall to recover the loss from the contractor.

2.24.23 For all works having contract value of Rs. 5,00,000/- or above, BHEL shall recover the amount of compensation paid to victim(s) by BHEL towards loss of life/ permanent disability due to an accident which is attributable to the negligence of contractor, agency or firm or any of its employees as detailed below.

a) Victim: Any person who suffers permanent disablement or dies in an accident as defined below.

b) Accident: Any death or permanent disability resulting solely and directly from any unintended and unforeseen injurious occurrence caused during the manufacturing/ operation and works incidental thereto at BHEL factories/ offices and precincts thereof, project execution, Installation, fabrication, blasting, painting, services, repairs and maintenance, trouble shooting, serving, overhaul, renovation and retrofitting, undertaken by the company or during any works/ during working at BHEL Units/ Offices/ townships and premises/ Project Sites.

c) Compensation in respect of each of the victims:

i. In the event of death or permanent disability : Rs. 10,00,000/- (Rs. Ten Lakh).
resulting from Loss of both limbs

ii. In the event of other permanent disability : Rs.7,00,000/- (Rs. Seven Lakh)

d) Permanent Disablement: A disablement that is classified as a permanent total disablement under the proviso to section 2 (I) of the Employee's Compensation Act, 1923.

2.24.24 Contractor shall be fully responsible for the safety of their T&Ps and other material mobilized at site. In any case, BHEL shall not be liable for any damage/loss/misuse of any item(s) belong to the contractor.

2.24.25 Contractor will ensure that the work/job is executed through his/her employees on and under no circumstances, the contractor shall subcontract the job without prior written permission from BHEL.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

2.24.26 The liability for any compensation on account of injury sustained by an employee of the contractor will be exclusively that of the contractor.

2.25 EXECUTION PLAN, PROGRESS MONITORING, MONTHLY REVIEW AND PERFORMANCE

EVALUATION:

2.25.1 A tentative plan/ programme for completion of the contractual scope of work as per the time schedule given in the contract shall be made jointly by BHEL and Contractor, before commencement of work. The above programme shall be supported by month wise deployment of resources viz Manpower, T&P, Consumables, etc. Progress will be reviewed periodically (Daily/Weekly/Monthly) vis-à-vis this jointly agreed programme.

Subsequently, every month, quarterly rolling plan will be made by BHEL based on budgeted targets.

Monthly plan in F-14 format (Annexure-XXXIII), shall be drawn from this Quarterly plan. Monthly plan shall necessarily include activities required for achieving targets/ milestones unless inputs/ fronts are not available. While planning and arriving on asking rate all available inputs shall be taken into consideration.

Vendor will be required to execute the monthly plan in that month in addition to make full efforts to minimize the cumulative shortfall attributable to him up to the month.

BHEL may require monthly work plan up to one and half times of average monthly value and demand matching manpower.

Where, Average Monthly Value = Total Contract Value (as per latest revision) / Period of Contract (in months)

Provided, this requirement is reflected in the rolling quarterly plan two months in advance.

If the Contractor refuses to sign the F-14 format, those F-14 formats requiring Contractor's signature shall be deemed to have been signed and accepted by the Contractor, if communicated to the Contractor through email or any other mode as stated in **clause 2.17.1**.

The Contractor shall submit periodical progress reports (Daily/Weekly/Monthly) and other reports/information including manpower, consumables, T&P mobilization etc. as desired by BHEL.

2.25.2 Monthly progress review between BHEL and Contractor shall be based on the agreed programme as above, availability of inputs/fronts etc., and constraints if any, as per prescribed formats (i.e. Form F-14). Manpower, T&P and consumable reports as per prescribed formats shall be submitted by contractor every month. Release of RA Bills shall be contingent upon certification by BHEL Site Engineer of the availability of the above prescribed formats duly filled in and signed.

2.25.3 The burden of proof that the causes leading to any shortfall is not due to any reasons attributable to the contractor is on the contractor himself. The monthly progress review shall record shortfalls attributable to (i) Contractor, (ii) Force Majeure Conditions, and (iii) BHEL

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

2.25.4 Performance of the Contractor shall be assessed as per prescribed formats and shall form the basis for 'Assessment of Capacity of Bidder' for Tenders where the Contractor is a bidder. BHEL reserves the right to revise the evaluation formats during the course of execution of the works.

2.26 QUANTITY VARIATION:

2.26.1 Variation in Final Executed Contract Value

The quantities given in the contract are tentative and may change to any extent (both in plus side and minus side). No compensation becomes payable in case the variation of the final executed contract value is within the limits of Minus (-) 15% of awarded contract value. Also, no compensation becomes payable in case the contract gets partially executed/ short closed/ terminated/ work withdrawn under Rights of BHEL mentioned in Clause 2.40 of GCC. In case of work terminated/ short closed under clause 2.40.4 of GCC, compensation may be considered only if BHEL receives compensation from customer.

Compensation due to variation of final executed contract value in excess of the limits defined in clause above, shall be as follows:

- i) In the event the finally executed contract value reduces below the lower limit of awarded Contract Value due to quantity variation specified above, the Contractor will be eligible for compensation @ 5% of the difference between the lower limit of the awarded contract value and the actual executed contract value.
- ii) In the event the finally executed contract value increases above the awarded Contract Value due to quantity variation, the Contractor is not eligible for any compensation.

2.26.2 Variation in Individual Quantities of BOQ Item(s)

The quantities given in the contract are tentative and may change to any extent (both in plus side and minus side). No compensation becomes payable in case the variation of the quantity of individual BOQ item(s) is within the limits of Plus (+) 100% of the quantity in the original price schedule in this regard.

In case executed quantity for a particular BOQ item(s) exceeds two times the quantity in the original price schedule (100% increase), then the revision in rates for such BOQ item(s) for the quantity in excess of two times the quantity in the original price schedule including any subsequent increase in quantity, may be considered based on request from the Contractor, however, BHEL decision in this regard shall be final. Revised rates for subject BOQ item(s) shall be worked out on the basis of prevailing market rates mutually agreed between BHEL and Contractor.

BHEL, however, retains the right to arrange the excess quantity through any other source for expediting activities in the interest of the Project.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

Note:

- (a) Revision in rates under **clause 2.26.2** will remain admissible in those cases also, where, the Contractor is eligible for compensation under **clause 2.26.1 i).**
- (b) The value of work executed at revised rates due to variation in Individual Quantities of BOQ Item(s) shall be included while calculating the finally executed contract value in **clause no. 2.26.1** above.

2.27 EXTRA WORKS:

- 2.27.1** All rectifications/modifications, revamping and reworks required for any reasons not due to the fault of the contractor, or needed due to any change in deviation from drawings and design of equipments, operation/maintenance requirements, mismatching or due to damages in fabrication, transit, storage, and other allied works which are not very specifically indicated in the drawings, but are found essential for satisfactory completion of the work, will be considered as extra works.
- 2.27.2** Extra works arising on account of the contractor's fault, irrespective of time consumed in rectification of the damage/loss, will have to be carried out by the contractor free of cost. Under such circumstances, any material and consumable required for this purpose will also have to be arranged by the contractor at his cost.
- 2.27.3** All the extra work should be carried out by a separately identifiable gang, without affecting routine activities. Daily log sheets in the pro-forma prescribed by BHEL should be maintained and shall be signed by the contractor's representative and BHEL engineer. No claim for extra work will be considered/entertained in the absence of the said supporting documents i.e. daily log sheets. Signing of log sheets by BHEL engineer does not necessarily mean the acceptance of such works as extra works.
- 2.27.4** BHEL retains the right to award or not to award any of the major repair/rework/modification/rectification/fabrication works to the contractor, at their discretion without assigning any reason for the same.
- 2.27.5** After eligibility of extra works is established and finally accepted by BHEL engineer/designer, payment will be released on competent authority's approval at the following rate.

MAN-HOUR RATE FOR ELIGIBLE EXTRA WORKS: Single composite average labour man-hour rate, including overtime if any, supervision, use of tools and tackles and other expenses and incidentals, consumables for carrying out any major rework/repairs/ rectification/ modification/ fabrication as certified by BHEL, if found due will be at Rs139/- per man hour.

Note: The aforementioned rates are excluding material cost.

2.28 SUPPLEMENTARY ITEMS:

Supplementary items are items/works required for completion of entire work but not specified in the scope of work. Subject to certification of such items/works as supplementary items by BHEL Engineer, rates shall be derived on the basis of any one of the following on mutual agreement:

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

- i) Based on percentage breakup/rates indicated for similar/nearby items.
- ii) In case (i) above does not exist, then BHEL may derive the percentage breakup/rates to suit the type of work.

2.29 INSURANCE:

2.29.1 It is the sole responsibility of the contractor to insure his materials, equipment, workmen etc. against accidents and injury while at work and to pay compensation, if any, to workmen as per Workmen's compensation Act. The work will be carried out in a protected area and all the rules and regulations of the client /BHEL in the area of project which are in force from time to time will have to be followed by the contractor.

2.29.2 If due to negligence and or non-observation of safety and other precautions by the contractors, any accident/injury occurs to the property / manpower belong to third party, the contractor shall have to pay necessary compensation and other expense, if so decided by the appropriate authorities.

2.29.3 The contractor will take necessary precautions and due care to protect the material, while in his custody from any damage/ loss due to theft or otherwise till the same is taken over by BHEL. For lodging / processing of insurance claim, the contractor will submit necessary documents. BHEL will recover the loss including the deductible franchise from the contractor, in case the damage / loss is due to carelessness / negligence on the part of the contractor.

2.29.4 In case of any theft of material under contractor's custody, matter shall be reported to Police by the contractor for FIR for further taking up with insurance by the contractor.

2.30 STRIKES & LOCKOUT:

2.30.1 The contractor will be fully responsible for all disputes and other issues connected with his labour. In the event of the contractor's labour resorting to strike or the Contractor resorting to lockout and if the strike or lockout declared is not settled within a period of one month, it may be considered as 'Breach of Contract' under Clause 2.40.2 and the remedies under Clause 2.40.2.2 may be executed, at the discretion of BHEL.

2.30.2 For all purposes whatsoever, the employees of the contractor shall not be deemed to be in the employment of BHEL.

2.31 LIQUIDATED DAMAGES: As per TCC

2.32 TERMINATION:

2.32.1 BHEL, without prejudice to any other rights or remedies it may possess, may terminate the Contract in the following circumstances:

- a) If the Vendor / Contractor becomes bankrupt or insolvent, has a receiving order issued against it, compounds with its creditors, or, if the Vendor / Contractor is a corporation, a

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

resolution is passed or order is made for its winding up (other than a voluntary liquidation for the purposes of amalgamation or reconstruction), a receiver is appointed over any part of its undertaking or assets, or if the Vendor / Contractor being an individual or if a firm on a partnership thereof, is adjudged insolvent or has a receiving order for administration of his estate made against him or takes any proceeding for composition under any Insolvency Act for the time being in force or if the Vendor / Contractor takes or suffers any other analogous action in consequence of debt.

- b) If the Vendor / Contractor assigns or transfers the Contract or any right or interest therein in violation of the provision of Clause 2.33 (Assignment).
- c) If the Vendor / Contractor, has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this Sub-Clause :

"**Corrupt practice**" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.

"**Fraudulent practice**" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the BHEL and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the BHEL of the benefits of free and open competition.

- d) If the Vendor / Contractor has abandoned or repudiated the Contract without assigning any reason.
- e) If the Vendor / Contractor has without valid reason failed to commence work on the contract promptly or has suspended the progress of Contract performance for more than 07 (seven) days after receiving a written instruction from the BHEL to proceed.
- f) If the Vendor / Contractor persistently fails to execute the Contract in accordance with the Contract or persistently neglects to carry out its obligations under the Contract without just cause.
- g) If the Vendor / Contractor refuses or is unable to provide sufficient goods or materials or any instalment thereof in the manner specified and within the Time specified in the contract.

2.32.2 BHEL shall have the right to cancel Order/ Contract, wholly or in part, in case they are constrained to do so on account of any decline, diminution, curtailment or stoppage of their business. In such eventuality, the Vendor / Contractor shall make compensation claim in writing upon the BHEL. Thereafter, both the parties shall arrive at mutually acceptable compensation to be accorded to the Vendor / Contractor. The mutually acceptable compensation shall be final and binding upon both the parties.

2.32.3 In case either the Vendor / Contractor himself or any of his representative or agent is found to have been an employee of BHEL or has within a period of two years of his retirement accepted the employment of the Vendor / Contractor either as a Vendor / Contractor or as an employee without having obtained prior permission of BHEL, the BHEL shall have the right to cancel order/ contract under the provision of Breach of Contract (Clause no. 2.40.2).

2.32.4 In case of cancellation of main supply order/ contract, all other associated orders/ contracts like mandatory spares/ recommended spares/ E&C/ supervision of E&C shall stand cancelled.

2.32.5 Subject to Sub-Clause 2.32.6, the Vendor / Contractor shall be entitled to be paid the Contract Price attributable to the materials supplied as on the date of termination. Any sums due to the

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

BHEL from the Vendor / Contractor accruing prior to the date of termination shall be deducted from the amount to be paid to the Vendor / Contractor under this Contract.

2.32.6 In case **BHEL** so desires, may procure upon such terms and in such manner as deemed appropriate, stores not so delivered or others of similar description where stores exactly complying with particulars are not, in the opinion of **BHEL**, which shall be final, readily procurable, at the cost of the Vendor/Contractor plus overheads. Vendor/Contractor shall be liable to **BHEL** for any excess costs provided that the Vendor/Contractor shall continue the performance of the Order/ Contract to the extent not cancelled under the provisions of this clause. The Vendor/Contractor shall on no account be entitled to any gain on such repurchases. Cost of the purchases made by **BHEL** at the cost of Vendor / Contractor shall be worked out as follows:

"Excess cost (difference in values of new Awarded Contract/Purchase Order and old Awarded Contract/Purchase Order) plus 5% of Excess cost as overheads (Departmental charges) along with Liquidated Damages as applicable".

2.33 TRANSFER, SUB-LETTING/ ASSIGNMENT SUB-CONTRACTING:

Vendor / Contractor shall not sublet, transfer or assign order/ contract or any part thereof or interest therein or benefit or advantage thereof save with the prior consent in writing of **BHEL**. In the event Vendor / Contractor sub-lets, transfers or assigns order/ contract or any part thereof or interest therein or benefit or advantage thereof without such permission, **BHEL** shall be entitled to cancel the Order/ Contract and to purchase the stores from elsewhere / **get the Work executed** at the costs of Vendor / Contractor, under the provision of Breach of Contract **(Clause no. 2.40.2)**. In such eventuality, the Vendor / Contractor shall be liable for any loss or damage which BHEL may sustain in consequence of or arising out of such risk purchase.

2.34 FORCE MAJEURE:

2.34.1 "Force Majeure" shall mean circumstance which is:

- beyond control of either of the parties to contract,
- either of the parties could not reasonably have provided against the event before entering into the contract,
- having arisen, either of the parties could not reasonably have avoided or overcome, and
- is not substantially attributable to either of the parties

And

Prevents the performance of the contract,

Such circumstances include but shall not be limited to:

- War, hostilities, invasion, act of foreign enemies.
- Rebellion, terrorism, revolution, insurrection, military or usurped power, or civil war.
- Riot, commotion or disorder by persons other than the contractor's personnel and other employees of the contractor and sub-contractors.
- Strike or lockout not solely involving the contractor's personnel and other employees of the contractor and sub-contractors.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

v. Encountering munitions of war, explosive materials, ionizing radiation or contamination by radio-activity, except as may be attributable to the contractor's use of such munitions, explosives, radiation or radio- activity.

vi. Natural catastrophes such as earthquake, tsunami, volcanic activity, hurricane or typhoon, flood, fire, cyclones etc.

vii. Epidemic, pandemic etc.

2.34.2 The following events are explicitly excluded from Force Majeure and are solely the responsibilities of the non-performing party: a) any strike, work-to-rule action, go-slow or similar labour difficulty (b) late delivery of equipment or material (unless caused by Force Majeure event) and (c) economic hardship.

2.34.3 If either party is prevented, hindered or delayed from or in performing any of its obligations under the Contract by an event of Force Majeure, then it shall notify the other in writing of the occurrence of such event and the circumstances thereof within 15 (fifteen) days after the occurrence of such event.

2.34.4 The party who has given such notice shall be excused from the performance or punctual performance of its obligations under the Contract for so long as the relevant event of Force Majeure continues and to the extent that such party's performance is prevented, hindered or delayed. The Time for Completion shall be extended by a period of time equal to period of delay caused due to such Force Majeure event.

2.34.5 Delay or non-performance by either party hereto caused by the occurrence of any event of Force Majeure shall not

(a) Constitute a default or breach of the Contract.

(b) Give rise to any claim for damages or additional cost expense occasioned thereby, if and to the extent that such delay or non-performance is caused by the occurrence of an event of Force Majeure.

2.34.6 BHEL at its discretion may consider short closure of contract after 1 year of imposition of Force Majeure in line with extant guidelines. In any case, Vendor/Contractor cannot consider deemed short-closure after 1 year of imposition of Force Majeure.

2.35 SETTLEMENT OF DISPUTES:

If any dispute or difference of any kind whatsoever shall arise between BHEL and the Vendor/Contractor, arising out of the contract for the performance of the work whether during the progress of contract termination, abandonment or breach of the contract, it shall in the first place referred to Designated Engineer for amicable resolution by the parties. Designated Engineer (to be nominated by BHEL for settlement of disputes arising out of the contract) who within 60 days after being requested shall give written notice of his decision to the contractor. Save as hereinafter provided, such decision in respect of every matter so referred shall forthwith be given effect to by the Vendor/Contractor who shall proceed with the work with all due diligence, whether he or BHEL desires to resolve the dispute as hereinafter provided or not.

If after the Designated Engineer has given written notice of this decision to the party and no intention to pursue the dispute has been communicated to him by the affected party within 30 days from the receipt of such notice, the said decision shall become final and binding on the parties. In the event the Vendor/Contractor being dissatisfied with any such decision or if amicable settlement cannot be reached then all such disputed issues shall be resolved through conciliation in terms of the BHEL Conciliation Scheme 2018 as per Clause 2.37.3

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

2.36 OTHER ISSUES:

2.36.1 Value of Non judicial Stamp Paper for Bank Guarantees and for Contract Agreement shall be not less than Rs 100/- unless otherwise required under relevant statutes.

2.36.2 In case of any conflict between the General Conditions of Contract and Special Conditions of Contract, provisions contained in the Special Conditions of Contract shall prevail.

2.36.3 Unless otherwise specified in NIT, offers from consortium/ JVs shall not be considered.

2.37 ARBITRATION & CONCILIATION:

2.37.1 ARBITRATION:

2.37.1.1 Except as provided elsewhere in this Contract, in case Parties are unable to reach amicable settlement (whether by Conciliation to be conducted as provided in Clause 2.35 herein above or otherwise) in respect of any dispute or difference; arising out of the formation, breach, termination, validity or execution of the Contract; or, the respective rights and liabilities of the Parties; or, in relation to interpretation of any provision of the Contract; or, in any manner touching upon the Contract (hereinafter referred to as the 'Dispute'), then, either Party may, refer the disputes to Arbitral Institution i.e., **"India International Arbitration Centre (IIAC) Delhi"** and such dispute to be adjudicated by Sole Arbitrator appointed in accordance with the Rules of said Arbitral Institution.

2.37.1.2 A party willing to commence arbitration proceeding shall invoke Arbitration Clause by giving notice to the other party in terms of section 21 of the Arbitration & Conciliation Act, 1996 (hereinafter referred to as the 'Notice') before referring the matter to arbitral institution. The Notice shall be addressed to the **Resident Manager, BHEL, executing the Contract** and shall contain the particulars of all claims to be referred to arbitration with sufficient detail and shall also indicate the monetary amount of such claim including interest, if any.

2.37.1.3 After expiry of **60 days** from the date of receipt of aforesaid notice, the party invoking the Arbitration shall submit that dispute to the Arbitral Institutions and that dispute shall be adjudicated in accordance with their respective Arbitration Rules. The matter shall be adjudicated by a Sole Arbitrator who shall necessarily be a Retd Judge having considerable experience in commercial matters to be appointed/nominated by the respective institution. The cost/expenses pertaining to the said Arbitration shall also be governed in accordance with the Rules of the respective Arbitral Institution. The decision of the party invoking the Arbitration for reference of dispute to a specific Arbitral institution for adjudication of that dispute shall be final and binding on both the parties and shall not be subject to any change thereafter. The institution once selected at the time of invocation of dispute shall remain unchanged.

2.37.1.4 The fee and expenses shall be borne by the parties as per the Arbitral Institutional rules.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

2.37.1.5 The Arbitration proceedings shall be in English language and the seat and venue of Arbitration shall be **Delhi, India.**

2.37.1.6 Subject to the above, the provisions of Arbitration & Conciliation Act 1996 and any amendment thereof shall be applicable. All matters relating to this Contract and arising out of invocation of Arbitration clause are subject to the exclusive jurisdiction of the Court(s) situated at **Delhi, India.**

2.37.1.7 Notwithstanding any reference to the Designated Engineer or Conciliation or Arbitration herein, a. the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree. Settlement of Dispute clause cannot be invoked by the Contractor, if the Contract has been mutually closed or 'No Demand Certificate' has been furnished by the Contractor or any Settlement Agreement has been signed between the Employer and the Contractor.

2.37.1.8 It is agreed that Mechanism of resolution of disputes through arbitration shall be available only in the cases where the value of the dispute is less than Rs. 10 Crores.

2.37.1.9 In case the disputed amount (Claim, Counter claim including interest is Rs. 10 crores and above, the parties shall be within their rights to take recourse to remedies other than Arbitration, as may be available to them under the applicable laws after prior intimation to the other party. Subject to the aforesaid conditions, provisions of the Arbitration and Conciliation Act, 1996 and any statutory modifications or re-enactment thereof as amended from time to time, shall apply to the arbitration proceedings under this clause.

2.37.1.10 In case, multiple arbitrations are invoked (whether sub-judice or arbitral award passed) by any party to under this contract, then the cumulative value of claims (including interest claimed or awarded) in all such arbitrations shall be taken in account while arriving at the total claim in dispute for the subject contract for the purpose of clause 2.37.1.9. Disputes having cumulative value of less than 10 crores shall be resolved through arbitration and any additional dispute shall be adjudicated by the court of competent jurisdiction.

2.37.2 In case of Contract with Public Sector Enterprise (PSE) or a Government Department, the following shall be applicable:

2.37.2.1 In the event of any dispute or difference relating to the interpretation and application of the provisions of commercial contract(s) between Central Public Sector Enterprises (CPSEs)/ Port Trusts inter se and also between CPSEs and Government Departments/Organizations (excluding disputes concerning Railways, Income Tax, Customs & Excise Departments), such dispute or difference shall be taken up by either party for resolution through AMRCD (Administrative Mechanism for Resolution of CPSEs Disputes) as mentioned in DPE OM No. 05/0003/2019-FTS-10937 dated 14-12-2022 as amended from time to time.

2.37.3 No Interest payable to Contractor:

Notwithstanding anything to the contrary contained in any other document comprising in the Contract, no interest shall be payable by BHEL to Contractor on any moneys or balances

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

including but not limited to the Security Deposit, EMD, Retention Money, RA Bills or the Final Bill, or any amount withheld and/or appropriated by BHEL etc., which becomes or as the case may be, is adjudged to be due from BHEL to Contractor whether under the Contract or otherwise.

2.37.4 CONCILIATION:

Any dispute, difference or controversy of whatever nature howsoever arising under or out of or in relation to this Agreement (including its interpretation) between the Parties, and so notified in writing by either Party to the other Party (the "Dispute") shall, in the first instance, be attempted to be resolved amicably in accordance with the conciliation procedure as per BHEL Conciliation Scheme 2018. The proceedings of Conciliation shall broadly be governed by Part-III of the Arbitration and Conciliation Act 1996 or any statutory modification thereof and as provided in - "Procedure for conduct of conciliation proceedings" (as available in www.bhel.com)).

Note: Ministry of Finance has issued OM reference No. 1/2/24 dated 03.06.2024 regarding "Guidelines for Arbitration and Mediation in Contracts of Domestic Public Procurement. In the said OM it has been recommended that Government departments/Entities/agencies are to encourage mediation under the Mediation Act. 2023. The said Act has not yet been notified by the Government. Therefore, the clause "Settlement of Disputes" shall be modified accordingly as and when the Mediation Act 2023 gets notified.

2.38 GOVERNING LAWS:

The contract shall be governed by the Law for the time being in force in the Republic of India.

2.39 JURISDICTION OF COURT:

This contract shall be governed by the Law for the time being in force in the Republic of India. Subject to **clause 2.37.1** of this contract, the Civil Court having original Civil Jurisdiction at **Delhi, India** shall alone have exclusive jurisdiction in regard to all matters in respect of the Contract.

2.40 RIGHTS OF BHEL:

BHEL reserves the following rights in respect of this contract during the original contract period or its extensions if any, as per the provisions of the contract, without entitling the contractor for any compensation.

2.40.1 To withdraw any portion of work and/or to restrict/alter quantum of work as indicated in the contract during the progress of work and get it done through other agencies to fulfil BHEL's commitment to its customer or the date of completion is advanced due to other emergent reasons/ BHEL's obligation to its customer.

Where the contractor fails to deploy adequate manpower to meet the contractual target, BHEL reserves the right to deploy manpower to meet such shortfall, through any other agency for expediting activities in the interest of the project. Supplied manpower shall be put on job by the contractor. Fulfilling of all obligations towards payments and other statutory compliances related to manpower shall be the contractor's responsibility. In case of contractor's failure to

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

fulfil his obligations in respect of such manpower, BHEL shall be entitled to take action as provided herein.

2.40.2 BREACH OF CONTRACT AND REMEDIES:

2.40.2.1 The following shall amount to breach of contract:

- i. Non-supply of material/ non-completion of work by the Vendor/Contractor within scheduled delivery/ completion period as per contract or as extended from time to time.
- ii. The Vendor/Contractor fails to perform as per the activity schedule and there are sufficient reasons even before expiry of the delivery/ completion period to justify that supplies shall be inordinately delayed beyond contractual delivery/ completion period.
- iii. The Vendor/Contractor delivers equipment/ material not of the contracted quality.
- iv. The Vendor/Contractor fails to replace the defective equipment/ material/ component as per guarantee clause.
- v. Withdrawal from or abandonment of the work by the Vendor/Contractor before completion as per contract.
- vi. Assignment, transfer, subletting of Contract by the Vendor/Contractor without BHEL's written permission resulting in termination of Contract or part thereof by BHEL.
- vii. Non-compliance to any contractual condition or any other default attributable to Vendor/Contractor.
- viii. Any other reason(s) attributable to Vendor towards failure of performance of contract.
- ix. Any of the declarations furnished by the contractor at the time of bidding and/ or entering into the contract for supply are found untruthful and such declarations were of a nature that could have resulted in non-award of contract to the contractor or could expose BHEL and/ or Owner to adverse consequences, financial or otherwise.
- x. Vendor/Contractor is convicted of any offence involving corrupt business practices, antinational activities or any such offence that compromises the business ethics of BHEL, in violation of the Integrity Pact entered into with BHEL has the potential to harm the overall business of BHEL/ Owner.

Note : a) Once BHEL considers that a breach of contract has occurred on the part of Vendor/Contractor, BHEL shall notify the Vendor/Contractor by way of notice in this regard. Contractor shall be given an opportunity to rectify the reasons causing the breach of contract within a **period of 14 days**.

b) In case the contractor fails to remedy the breach, as mentioned in the notice, to the satisfaction of BHEL, BHEL shall have the right to take recourse to any of the remedial actions available to it under the relevant provisions of contract.

LD against delay in executed work/supply in case of Termination of Contract:

LD against delay in executed work shall be calculated in line with LD **clause no. 2.31 of GCC**, for the delay attributable to contractor. For limiting the maximum value of LD, contract value shall be taken as Executed Value of work till termination of contract.

Method for calculation of "LD against delay in executed work in case of termination of contract" is given below.

- i. Let the time period from scheduled date of start of work till termination of contract excluding the period of Hold (if any) not attributable to contractor = T1

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

- ii. Let the value of executed work till the time of termination of contract= X
- iii. Let the Total Executable Value of work for which inputs/fronts were made available to contractor and were planned for execution till termination of contract = Y
- iv. Delay in executed work attributable to contractor i.e. $T2 = [1 - (X/Y)] \times T1$
- v. LD shall be calculated in line with LD clause (clause 2.31) of the Contract for the delay attributable to contractor taking "X" as Contract Value and "T2" as period of delay attributable to contractor.

2.40.2.2 Remedies in case of Breach of Contract:

i). Wherein the period as stipulated in the notice issued under Note sl. No. (i) of clause 2.40.2.1 has expired and Contractor has failed to remedy the breach, BHEL will have the right to terminate the contract, either in whole or in part thereof without any compensation to the Vendor/Contractor, on the ground of "Breach of Contract" without any further notice to contractor.

ii). Upon termination of contract, BHEL shall be entitled to recover an amount equivalent to 10% of the Contract Value for the damages on account of breach of contract committed by the Contractor. This amount shall be recovered by way of encashing the security instruments like performance bank guarantee etc available with BHEL against the said contract. In case the value of the security instruments available is less than 10% of the contract value, the balance amount shall be recovered from other financial remedies (i.e. available bills of the contractor, retention amount, from the money due to the Contractor etc. with BHEL) or the other legal remedies shall be pursued.

iii) wherever the value of security instruments like performance bank guarantee available with BHEL against the said contract is 10% of the contract value or more, such security instruments to the extent of 10% contract value will be encashed. In case no security instruments are available or the value of the security instruments available is less than 10% of the contract value, the 10% of the contract value or the balance amount, as the case may be, will be recovered in all or any of the following manners:

- a) From dues available in the form of Bills payable to defaulted Contractor against the same contract.
- b) In case the amount recovered under sub clause (a) above is not sufficient to fulfil the amount recoverable then a demand notice to deposit the balance amount within 30 days shall be issued to Contractor.
- c) If contractor fails to deposit the balance amount within the period as prescribed in demand notice, following action shall be taken for recovery:
 - i). If it is not possible to recover the dues available from the same contract or dues are insufficient to meet the recoverable amount, balance amount shall be recovered from any money(s) payable to Contractor under any contract with other Units of BHEL including recovery from security deposits or any other deposit available in the form of security instruments of any kind against Security deposit or EMD
 - ii). In-case recoveries are not possible with any of the above available options, Legal action shall be initiated for recovery against contractor.

iv. It is an agreed term of contract that this amount shall be a genuine pre-estimate of damages that BHEL would incur in completion of balance contractual obligation of the contract through any other agency and

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

BHEL will not be required to furnish any other evidence to the Contractor for the purpose of estimation of damages.

v. In addition to the above, imposition of liquidated damages, debarment, termination, de-scoping, short-closure, etc., shall be applied as per provisions of the contract.

Note:

The defaulting Vendor/ Contractor shall not be eligible for participation in any of the future enquiries floated by BHEL to complete the balance work. The defaulting contractor shall mean and include:

- a) In case defaulted contractor is the Sole Proprietorship Firm, any Sole Proprietorship Firm owned by same Sole Proprietor.
- b) In case defaulted contractor is The Partnership Firm, any firm comprising of same partners/ some of the same partners (but not including any new partner); or sole proprietorship firm owned by any partner(s) as a sole proprietor.

2.40.3 In case Contractor fails to deploy the resources **including but not limited to manpower** as per requirement informed by BHEL in writing to expedite the work, BHEL can deploy own/hired/otherwise arranged resources and recover the expenses incurred from the dues payable to contractor. Recoveries shall be actual expenses incurred plus 5% overheads or as defined in TCC.

2.40.4 To terminate the contract or to restrict the quantum of work and pay for the portion of work executed in case BHEL's contract with their customer are terminated for any reason whatsoever.

2.40.5 Whenever any Claim or Claims for payment of any sum of money(s) arises under this or any other contract against the contractor, BHEL shall be entitled to withhold and also have a lien to retain such sum of money(s) in whole or in part from any money(s) payable to contractor and/or security deposits furnished or deducted in cash from the bills of contractor, (if any) under this contract. In the event of the securities or the amounts payable to Contractor, being insufficient to cover BHEL claims, then BHEL shall be entitled to withhold and have a lien to the extent of such claims from any sum or sums found payable or which at any time thereafter may become payable to the contractor under this or any other contract with BHEL.

i. Claim or Claims for payment of any sum of money(s) arising from the Contractor under this or any other contract against the contractor, shall mean, the sum of money(s) actually incurred by BHEL in fulfilling the contractual responsibilities of contractor under the contract, to which he has failed to fulfil plus applicable overheads (@ 5%) along with interest as applicable under the Contract on total amount (i.e. money actually incurred plus overheads).

ii. It is an agreed term of the contract that, the sum or sums of money so withheld or retained under the lien by BHEL will be kept withheld or retained as such by BHEL till the claims arising out of this or any other contract are finally adjudicated wither through Arbitration or a Court of competent jurisdiction as the case may be in accordance with the terms of contract. Intimation given by the BHEL Engineer regarding withholding of such money(s) shall be considered as sufficient and relevant date for all purposes. No Interest shall be payable on such sum(s) of money which becomes due or as the case may be adjudged to be due from BHEL to Contractor, whether under contract or otherwise.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

iii. Where the contractor is a partnership firm, BHEL shall be entitled to withhold and also have a lien to retain towards such claims in whole or in part, from any other money(s) payable to any partner, whether in his individual capacity or otherwise.

iv. If any money(s) shall, as a result of any claim or application made under the relevant provisions of any Labour Welfare Act and/ or Rules, including but not limited to Contract Labour Regulation & Abolition Act, Minimum Wages Act, Payment of Gratuity Act, BOCW (RE&CS) Act, Provident Fund Act, Employee State Insurance Act, be directed to be paid by the BHEL, such money shall be deemed to be moneys payable to the BHEL by the Contractor.

v. Where the Contractor fails to repay to BHEL such moneys along with applicable overheads (@ 5%) and interest, as aforesaid within seven days of being demanded, BHEL shall be entitled to recover the same from Contractor's bills/ Security Deposit or any other money(s) payable to Contractor under this Contract or any other Contract with BHEL.

2.40.6 While every endeavor will be made by BHEL to this end, yet BHEL cannot guarantee uninterrupted work due to conditions beyond its control. In case of idling of resources, BHEL shall review such claims, which shall be as decided by BHEL and decision of BHEL shall be final and binding on the contractor.

2.40.7 BHEL may permit or direct contractor to demobilize and remobilize at a future date as intimated by BHEL in case of following situations for reasons other than Force majeure conditions and not attributable to contractor:

- i). suspension of work(s) at a Project either by BHEL or Customer,
- or**
- ii). where work comes to a complete halt or reaches a stage wherein worthwhile works cannot be executed and there is no possibility of commencement of work for a period of not less than three months

In such cases, charges towards demobilization and remobilization shall be as decided by BHEL after successful remobilization by contractor at site, and decision of BHEL shall be final and binding on the contractor. After remobilization, all conditions as per contract shall become applicable. In case Contractor does not remobilize with adequate resources or does not start the work within the period as intimated, then BHEL reserves the right to terminate the contract and effect remedies under **Clause 2.40.2.2** In case of any conflict, BHEL decision in this regard shall be final and binding on the contractor.

2.40.8 In the unforeseen event of inordinate delay in receipt of materials, drawings, fronts etc. due to which inordinate discontinuity of work is anticipated, BHEL on its own or contractor's request at its discretion may consider to short close the contract in any of the following cases:

- a). The balance works (including but not limited to Trial Operation, PG Test etc.) are minor vis a vis the scope of work envisaged as per the contract.
- b). There has been no significant work in past 6 months OR no significant work is expected in next 6 months (example in Hydro projects or in projects where work has stopped due to reasons beyond the control of BHEL).
- c). The balance works cannot be done within a reasonable period of time as they are dependent on unit shut down or on other facilities of customer or any other such reasons not attributable to the contractor.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

At the point of requesting for short closure, contractor shall establish that he has completed all works possible of completion and he is not able to proceed with the balance works due to constraints beyond his control. In such a case, the estimated value of the unexecuted portion of work (or estimated value of services to be provided for carrying out milestone/stage payments like Trial Operation/PG Test etc.) as decided by BHEL, shall however be reduced from the final contract value.

Note: The Contractor shall not be eligible for any compensation on account of Quantity Variation arising out of short-closure of contract as per **clause no. 2.40.8 (b)** above.

2.41 SECURED RECOVERABLE ADVANCES:

2. 41.1. INTEREST FREE MOBILIZATION ADVANCE: BHEL may approve proposals for payment of Interest Free Secured Mobilization Advance (limited to a maximum of 5% of the Contract Value) only in Installation Works in Power Plants under exceptional circumstances.

Interest Free Mobilization Advance shall be disbursed in specifically mentioned stages of major resource mobilization in the beginning of the contract, as specified in the TCC, in three or more instalments with the value of any instalment not more than 2.5% of the Contract Value. The next instalment will be due only on completion of the activities linked to the previous instalment.

Each such instalment is to be secured through BG of 100% of the instalment amount.

Recovery of Interest Free Secured Advance shall be made @ 10% of Running Bill Amount. As and when the total recovered amount exceeds any of the BG value submitted against the advance, that BG shall be returned.

In any case, Interest Free Advance shall be fully recovered by the time the contract reaches 50% of the original contract period either from Running Bills or by the Contractor directly depositing the amount. If the Contractor fails to deposit the total amount by the stipulated date, the recovery shall be made by encashing BGs/ Securities available with BHEL for the balance amount.

2. 41.2. INTEREST BEARING ADVANCE:

2. 41.2.1. INTEREST BEARING MOBILIZATION ADVANCE: BHEL may also approve need-based Interest-Bearing Mobilization advance after a certification from the Contractor for having achieved a financial progress of 10% of the original contract price. However, the total mobilization advance (including Interest Free Mobilization Advance) shall not exceed 10% of the Contract Value. Bank Guarantee towards 'Interest Bearing Recoverable Advance' shall be 110% of the advance so as to enable recovery of not only principle amount but also the interest portion, if so required.

2. 41.2.2. INTEREST BEARING SECURED ADDITIONAL INTERIM ADVANCE: In exceptional circumstances, with due justification, BHEL may approve for payment of additional interim interest bearing advance against Bank Guarantee, for resource augmentation towards expediting work for project implementation. Contractor shall establish the utilization of advance drawn in the form of Utilization Certificate before the release of next instalment.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

Bank Guarantee shall be 110% of the advance so as to enable recovery of not only principle amount but also the interest portion, if so required. Unadjusted amount of advances (including Interest Free Mobilization Advance) paid shall not exceed 10% of the total contract value at any point of time.

NOTES for INTEREST BEARING ADVANCE:

(a). Recovery of Interest Bearing Advances shall be made from the Running Bills progressively. Recovery rate per month for Interest Bearing Advances shall be the sum of:

i) Not less than 10% of Running Bill amount

ii) Simple interest up to the date of RA Bill on the outstanding Principle amount/amounts

(b). In any case, Interest Bearing Advance shall be fully recovered by the time the contractor's billing reaches 90% of contract value either from Running Bills or by the Contractor directly depositing the amount. If the Contractor fails to deposit the total amount by the stipulated date, the recovery shall be made by encashing BGs/ Securities available with BHEL for the balance amount along with interest.

(c). Payment and recovery of any of the above advance(s) shall be at the sole discretion of BHEL and shall not be a subject matter of arbitration.

(d). The rate of interest applicable for the above advances shall be the repo rate prevailing on the date of release of advance plus 4%, and such rate will remain fixed till the total advance amount is recovered.

(e). Contractor to submit Bank Guarantee as per prescribed formats for each of the advance and shall be valid for at least one year or the recovery duration whichever is earlier. In case the recovery of dues does not get completed within the aforesaid BG period, the contractor shall renew the BG or submit fresh BG for the outstanding amount, valid for at least one year or the remaining recovery duration whichever is earlier. For each advance, the Contractor will be allowed to submit more than one BG so that the BGs can be returned progressively based on recovered amount. In case, the Contractor prefers to submit single BG against an advance, the amount of BG may be progressively reduced by the amount repaid by the Contractor.

(f). BHEL is entitled to make recovery of the entire outstanding amount in case the contractor fails to comply with the BG requirement.

2.41.3. SECURED ADVANCE AGAINST MATERIAL BROUGHT TO SITE:

Secured advance on the security of materials (which are not combustible, fragile or perishable in nature) brought to the site but not yet incorporated in the works will be made up to 75% of Invoice value, or the 75% of the corresponding value of the materials determined on the basis of BOQ rates, whichever is less, subject to the condition that their quantities are not excessive and shall be used within a period of 90 days and subject to the stipulations, as mentioned below:

(i). Contractor shall obtain prior permission of Engineer-in-charge before procurement of materials against which advance is being sought. Engineer-in-charge shall ensure formal approval of Resident Manager before communicating the permission to Contractor.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	GENERAL COMMERCIAL TERMS & CONDITIONS

(ii). Secured advance shall not be allowed/ payable for materials procured by Contractor before the date of such permission.

(iii). Secured Advance shall be allowed only once against a single invoice. Multiple Secured Advance against single invoice is not allowed.

(iv). Secured advance against materials shall be paid only against non-perishable items. Engineer-in-charge to ensure that such items are adequately covered under insurance cover (to be taken by the Contractor if not covered under BHEL Insurance Policy).

(v). At any point of time, the unadjusted secured payments against material brought to site shall not be more than 5% of the Contract Value.

(vi). The advance will be repaid from each succeeding Running bill(s) to the extent materials for which advance has been previously paid have been incorporated into the works. In any case, such advance payment shall be fully recovered maximum from 3-4 subsequent RA bills whether the material is consumed in the work or not. In absence of sufficient value of RA bills for making the required recovery, the Contractor shall deposit the balance amount. If the Contractor fails to deposit the total amount by the stipulated date, the recovery shall be made by encashing the Securities available with BHEL for the balance amount.

(vii). Contractor has to give a formal deed of hypothecation, drawn up on non-judicial stamp paper under which the BHEL secures a lien on the materials and is safeguarded against losses, due to the contractor postponing the execution of the work or due to the shortage or misuse of materials and against the expenses incurred on their watch and safe custody.

2.42. CLOSING OF CONTRACTS:

The Contract shall be considered completed and closed upon completion of contractual obligations and settlement of Final Bill or completion of Guarantee period whichever is later. Upon closing of Contract, BHEL shall issue a performance/ experience certificate as per standard format, based on specific request of Contractor as per extant BHEL guidelines through the online portal available at <https://siddhi.bhel.in> only.

.....



**CENTRAL
PROCUREMENT CELL
(CPC)
PURCHASE DEPARTMENT**

**GENERAL CONDITIONS OF
CONTRACT (GCC)**

ANNEXURES

ANNEXURE - I

OFFER SUBMISSION AS PER NIT

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

Offer Reference No:

Date:

To,

..... (Write Name and Designation of Officer of BHEL inviting the Tender);

Bharat Heavy Electricals Limited,
Central Procurement Cell (CPC), 8th Floor, BHEL SADAN,
Plot No. 25, Sector-16A, Noida, U.P.-201301

Dear Sir,

Sub: Submission of Offer against Tender Enquiry No: **BHEL/CPC/KKN/FAC_FAB/26/001**

I/We hereby offer to carry out the work detailed in the Tender Specification issued by Bharat Heavy Electricals Limited, Central Procurement Cell (CPC) in accordance with the terms and conditions thereof.

I/We have carefully perused the following listed documents connected with the above work and agree to abide by the same.

1. Amendments/Clarifications/Corrigenda/Errata/etc., issued in respect of the Tender documents by BHEL
2. Notice Inviting Tender (NIT)
3. Price Bid
4. Technical Conditions of Contract
5. Special Conditions of Contract
6. General Conditions of Contract
7. Forms and Procedures

Should our Offer be accepted by BHEL for Award, I/we further agree to furnish 'Security Deposit' for the work as provided for in the Tender Conditions within the stipulated time as may be indicated by BHEL.

I/We further agree to execute all the works referred to in the said Tender documents upon the terms and conditions contained or referred to therein and as detailed in the appendices annexed thereto.

I/We have deposited/depositing herewith the requisite Earnest Money Deposit (EMD) as per details furnished in the Check List.

Authorised Representative of Bidder

Signature:

Name:

Address:

Place:

Date:

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE - II
CHECK LIST

NOTE: - Vendor/Contractor are required to fill in the following details in their Letterhead and no column should be left blank

A	Name of the Tenderer	
B	Address of the Tenderer	
C	Type of the Firm/ Company	
(i)	In case of Individual	His / her full name, address and place & nature of business shall be furnished along with the offer.
(ii)	In case of Partnership Firm	The names of all the partners and their addresses, A copy of the partnership deed/instrument of partnership duly certified by the Notary Public shall be furnished along with the offer.
(iii)	In case of Companies	a) Date and place of registration including date of commencement certificate in case of Public Companies (certified copies of Memorandum and articles of Association are also to be furnished). b) Nature of business carried on by the Company and the provisions of the Memorandum relating thereof.
D	GSTN No. the Vendor/Contractor (Place of Execution of Contract / Purchase Order)	
E.a	Details of Contact person for this Tender	Name : Mr./Ms. Designation: Telephone No: Mobile No: Email ID:
E.b	Details of alternate Contact person for this Tender	Name : Mr./Ms. Designation: Telephone No: Mobile No: Email ID:
F	Validity of Offer	To be valid for Six Months from due date
G	EMD Details (Remittance of EMD should be in line with Mode of Deposit as detailed in clause 2.12 of General Conditions of Contract (Volume IC Book-II))	
	A) Cash portion of EMD (Minimum Rs 2 Lakhs)	Mode of Remittance: Ref No: Date:

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

10	Submission of Certificate of No Deviation as per Annexure – IV	Applicable	YES / NO
11	Void	Void	Void
12	Submission of Reverse Auction Format as per Annexure – VI	Applicable	YES / NO
13	Submission of Reverse Auction Process Compliance Form as per Annexure - VII	Applicable	YES / NO
14	Submission of Reverse Auction price confirmation and breakup as per Annexure - VIII	Applicable	YES / NO
15	Submission of Non-Disclosure Certificate as per Annexure - IX	Applicable	YES / NO
16	Declaration regarding Insolvency/ Liquidation/ Bankruptcy Proceedings as per Annexure – X	Applicable	YES / NO
17	Declaration by Authorized Signatory as per Annexure – XI	Applicable	YES / NO
18	Power of Attorney for Submission of Tender/Signing Contract Agreement as per Annexure – XII	Applicable	YES / NO
19	Declaration by Authorized Signatory regarding Authenticity of submitted Documents as per Annexure – XIII	Applicable	YES / NO
20	Submission of Integrity Pact as specified in Tender as per Annexure – XIV	Applicable	YES / NO
21	Declaration confirming knowledge about Site Conditions as per Annexure – XV	Applicable	YES / NO
22	Declaration reg. Related Firms & their areas of Activities as per Annexure – XVI	Applicable	YES / NO
23	Declaration for relation in BHEL as per Annexure – XVII	Applicable	YES / NO
24	Declaration reg. minimum local content in line with revised public procurement as per Annexure – XVIII	Applicable	YES / NO
25	Declaration regarding compliance to Restrictions under Rule 144 (xi) of GFR 2017 as per Annexure – XIX	Applicable	YES / NO
26	Bank Account Details for E-Payment as per Annexure – XX	Applicable	YES / NO
27	Submission of Unprice Format as specified in Tender	Applicable	YES / NO
28	Submission of Signed Tender Documents (NIT, TCC & GCC)	Applicable	YES / NO
29	Analysis of Unit rates Quoted as	Applicable	YES / NO
30	Capacity Evaluation of Bidder for current Tender	Applicable	YES / NO
31	Tie Ups/Consortium Agreement are submitted as per format	Applicable	YES / NO

	CENTRAL PROCUREMENT CELL (CPC) <i>PURCHASE DEPARTMENT</i>	GENERAL CONDITIONS OF CONTRACT (GCC)	<i>ANNEXURES</i>

NOTE: TENDER NOT ACCOMPANIED BY THE PRESCRIBED ABOVE APPLICABLE DOCUMENTS ARE LIABLE TO BE SUMMARILY REJECTED.

Date:

(Signatures of the Bidder with Name, Designation & Company's Seal)

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE- III

FORMAT FOR SEEKING CLARIFICATION

(To be Typed & submitted in the Letter Head of the Company/Firm of Bidder)

To,

_____ (Write Name and Designation of Officer of BHEL inviting the Tender);

Bharat Heavy Electricals Limited,
Central Procurement Cell (CPC), 8th Floor, BHEL SADAN,
Plot No. 25, Sector-16A, Noida, U.P.-201301

Dear Sir,

Subject: **Request for Clarification**

Ref: 1) NIT/Tender Enquiry No: **BHEL/CPC/KKN/FAC_FAB/26/001**

2) All other pertinent issues till date

Sl. No.	Reference Clause of Tender Document	Existing provision of Tender Document	Bidder's Queries / Clarification	BHEL's clarification

Yours faithfully,

(Signature, date & seal of authorized representative of the bidder)

Date:

Place:

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE- IV
CERTIFICATE OF NO DEVIATION

(To be Typed & submitted in the Letter Head of the Company/Firm of Bidder)

To,

_____ (Write Name and Designation of Officer of BHEL inviting the Tender);

Bharat Heavy Electricals Limited,
Central Procurement Cell (CPC), 8th Floor, BHEL SADAN,
Plot No. 25, Sector-16A, Noida, U.P.-201301

Dear Sir,

Subject : **No Deviation Certificate**

Ref: 1) NIT/Tender Enquiry No: **BHEL/CPC/KKN/FAC_FAB/26/001**

2) All other pertinent issues till date

We hereby confirm that we have not changed/ modified/materially altered any of the tender documents as downloaded from the website/ issued by BHEL and in case of such observance at any stage, it shall be treated as null and void.

We also hereby confirm that we have neither set any Terms and Conditions and nor have we taken any deviation from the Tender conditions together with other references applicable for the above referred NIT/Tender Specification.

We further confirm our unqualified acceptance to all Terms and Conditions, unqualified compliance to Tender Conditions, Integrity Pact (if applicable) and acceptance to Reverse Auctioning process.

We confirm to have submitted offer in accordance with tender instructions and as per aforesaid references.

Thanking you,

Yours faithfully,

**(Signature, date & seal of authorized
representative of the bidder)**

Date:

Place:

	CENTRAL PROCUREMENT CELL (CPC) <i>PURCHASE DEPARTMENT</i>	GENERAL CONDITIONS OF CONTRACT (GCC)	<i>ANNEXURES</i>

ANNEXURE – V

-VOID-

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE- VI
REVERSE AUCTION (RA) FORMAT

Authorization of representative who will participate in the on-line Reverse Auction Process:

1	Name of the Bidder	
2	Name & Designation of Official	
3	Postal address (complete)	
4	Telephone nos. (land line & mobile both)	
5	E-mail address	
6	Name of place/ state/country, wherefrom s/he will participate in the reverse auction	

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – VII

REVERSE AUCTION PROCESS COMPLIANCE FORM

(The bidders are required to print this on their company's letterhead and sign, stamp before RA)

To

- M/s. {Service provider
- Postal address}

Sub: Agreement to the Process related Terms and Conditions

Dear Sir,

This has reference to the Terms & Conditions for the Reverse Auction mentioned in the RFQ document for {Items} against BHEL enquiry/ RFQ no. {BHEL/CPC/KKN/FAC_FAB/26/001} dtd {.....}

This letter is to confirm that:

1. The undersigned is authorized official/ representative of the company to participate in RA and to sign the related documents.
2. We have studied the Reverse Auction guidelines (as available on www.bhel.com), and the Business rules governing the Reverse Auction as mentioned in your letter and confirm our agreement to them.
3. We also confirm that we have taken the training on the auction tool and have understood the functionality of the same thoroughly.
4. We also confirm that, in case we become L1 bidder, we will FAX/ email the price confirmation & break up of our quoted price as per Annexure - VIII within **two** working days (of BHEL) after completion of RA event, besides sending the same by registered post/ courier both to M/s. BHEL and M/s. {Service provider.}

We, hereby confirm that we will honor the Bids placed by us during the auction process.

With regards

Signature with company seal

Name:

Company / Organization:

Designation within Company / Organization:

Address of Company / Organization:

Sign this document and FAX/ email it to M/s {Service provider} at {.....} prior to start of the Event.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – VIII

RA PRICE CONFIRMATION AND BREAKUP

(To be submitted by L1 bidder after completion of RA)

To

- M/s. Service provider
- Postal address

CC: M/s BHEL

{Unit-
Address-}

Sub: **Final price quoted during Reverse Auction and price breakup**

Dear Sir,

We confirm that we have quoted.

Rs. {___ in value & in words _____} for item(s) covered under tender enquiry No.
{.....} Dtd. {.....}

Total price of the items covered under above cited enquiries is inclusive of {Packing & forwarding, GST freight and insurance charges up to {.....} District, {.....} State and Type Test Charges etc., other as per NIT}

as our final landed prices as quoted during the Reverse Auction conducted today {date} which will be valid for a period of {___ in nos. & in words ____} days.

The price break-up is as given below.

=====
Total - Rs. **in value & in words**
=====

Yours sincerely,

For _____

Name:

Company:

Date:

Seal:

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE- IX

NON-DISCLOSURE CERTIFICATE

(To be Typed & submitted in the Letter Head of the Company/Firm of Bidder)

I/We understand that BHEL, Central Procurement Cell (CPC) is committed to Information Security Management System as per their Information Security Policy.

Hence, I/We M/s Who are submitting offer for providing services to BHEL against Tender Enquiry No. **BHEL/CPC/KKN/FAC_FAB/26/001** hereby undertake to comply with the following in line with Information Security Policy of BHEL.

- To maintain confidentiality of documents & information which shall be used during the execution of the Contract.
- The documents & information shall not be revealed to or shared with third party which shall not be in the business interest of BHEL, Central Procurement Cell (CPC).

Date:

**(Signatures of the Bidder with Name,
Designation & Company's Seal)**

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – X

DECLARATION REGARDING INSOLVENCY/ LIQUIDATION/ BANKRUPTCY PROCEEDINGS

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

To,

_____ (Write Name and Designation of Officer of BHEL inviting the Tender);

Bharat Heavy Electricals Limited,
Central Procurement Cell (CPC), 8th Floor, BHEL SADAN,
Plot No. 25, Sector-16A, Noida, U.P.-201301

Dear Sir/Madam,

Sub: DECLARATION REGARDING INSOLVENCY/ LIQUIDATION/ BANKRUPTCY PROCEEDINGS

Ref: NIT/Tender Specification No: **BHEL/CPC/KKN/FAC_FAB/26/001**

I/We, _____ declare that, I/We
am/are not under insolvency resolution process or liquidation or Bankruptcy Code Proceedings (IBC) as on date, by
NCLT or any adjudicating authority/authorities, which will render us ineligible for participation in this tender.

**Sign. of the AUTHORISED SIGNATORY
(With Name, Designation and Company seal)**

Place:

Date:

	CENTRAL PROCUREMENT CELL (CPC) <i>PURCHASE DEPARTMENT</i>	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XI

DECLARATION BY AUTHORISED SIGNATORY OF BIDDER

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

To,

_____ (Write Name and Designation of Officer of BHEL inviting the Tender);
Bharat Heavy Electricals Limited,
Central Procurement Cell (CPC), 8th Floor, BHEL SADAN,
Plot No. 25, Sector-16A, Noida, U.P.-201301

Dear Sir,

Sub: **Declaration by Authorised Signatory**

Ref: 1) NIT/Tender Specification No: **BHEL/CPC/KKN/FAC_FAB/26/001**

2) All other pertinent issues till date

I/We, hereby certify that all the information and data furnished by me with regard to the above Tender Specification are true and complete to the best of my knowledge. I have gone through the specifications, conditions, stipulations and all other pertinent issues till date, and agree to comply with the requirements and Intent of the specification.

I further certify that I am authorised to represent on behalf of my Company/Firm for the above mentioned tender and a valid Power of Attorney to this effect is likewise enclosed.

Yours faithfully,

(Signature, Date & Seal of Authorized
Signatory of the Bidder)

Date:

Enclosed: Power of Attorney

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XII

Power of Attorney for Submission of Tender/Signing Contract Agreement

(To be typed on non-judicial Stamp Papers of appropriate value as applicable and Notarised)

KNOW ALL MEN BY THESE PRESENTS, that I/We do hereby make, nominate, constitute and appoint Mr., whose signature given below herewith to be true and lawful Attorney of M/s..... hereinafter called 'Company', for submitting Tender/entering into Contract and inter alia, sign, execute all papers and to do necessary lawful acts on behalf of Company with M/s Bharat Heavy Electricals Ltd, Central Procurement Cell (CPC), in connection with.....
..... vide Tender Specification No: **BHEL/CPC/KKN/FAC_FAB/26/001**, dated

And the Company do hereby agree to ratify and confirm all acts, deeds, things or proceedings as may be lawfully done by the said attorney and by or on behalf of the company and in the name of the company, by virtue of the powers conferred herein and the same shall be binding on the company and shall have full force and effect.

IN WITNESS WHEREOF, the common seal of the company has been hereunto affixed in the manner hereinafter appearing on the document.

Dated at _____, this _____ day of _____

Director/CMD/Partner/Proprietor

Signature of Mr. (Attorney)

Attested by: Director/CMD/Partner/Proprietor

Witness

Notary Public

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XIII

DECLARATION BY AUTHORISED SIGNATORY OF BIDDER

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

To,

_____ (Write Name and Designation of Officer of BHEL inviting the Tender);

Bharat Heavy Electricals Limited,
Central Procurement Cell (CPC), 8th Floor, BHEL SADAN,
Plot No. 25, Sector-16A, Noida, U.P.-201301

Dear Sir,

Sub : **Declaration by Authorised Signatory regarding Authenticity of submitted documents.**

Ref : 1) NIT/Tender Enquiry No. & Date: **BHEL/CPC/KKN/FAC_FAB/26/001 Dated:**
2) All other pertinent issues till date

I/We, hereby certify that all the documents submitted by us in support of possession of “Qualifying Requirements” are true copies of the original and are fully compliant required for qualifying / applying in the bid and shall produce the original of same as and when required by Bharat Heavy Electricals Limited.

I / We hereby further confirm that no tampering is done with documents submitted in support of our qualification as bidder. I / We understand that at any stage (during bidding process or while executing the awarded works) if it is found that fake / false / forged bid qualifying / supporting documents / certificates were submitted, it would lead to summarily rejection of our bid / termination of contract. BHEL shall be at liberty to initiate other appropriate actions as per the terms of the Bid / Contract and other extant policies of Bharat Heavy Electricals Limited.

Yours faithfully,

**(Signature, Date & Seal of Authorized
Signatory of the Bidder)**

Date:

Place:

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XIV

INTEGRITY PACT

Between

Bharat Heavy Electricals Ltd. (BHEL), a company registered under the Companies Act 1956 and having its registered office at "BHEL House", Siri Fort, New Delhi - 110049 (India) hereinafter referred to as "The Principal", which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the ONE PART

and

_____, (description of the party along with address), hereinafter referred to as "The Bidder/ Contractor" which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the OTHER PART

Preamble

The Principal intends to award, under laid-down organizational procedures, contract/s for **Tender Enquiry No: BHEL/CPC/KKN/FAC FAB/26/001 for ESTABLISHMENT OF A FABRICATION SHOP TO SUPPLY FACTORY FINISHED STRUCTURES TO BHEL PROJECT SITES ACROSS INDIA**. The Principal values full compliance with all relevant laws of the land, rules and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder(s)/ Contractor(s).

In order to achieve these goals, the Principal will appoint Independent External Monitor(s), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Supplier / Vendor

Section 1- Commitments of the Principal

- 1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-
 - 1.1.1 No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - 1.1.2 The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
 - 1.1.3 The Principal will exclude from the process all known prejudiced persons.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

- 1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Indian Penal Code 1860 and Prevention of Corruption Act 1988 or any other statutory penal enactment, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section 2 - Commitments of the Bidder(s)/ Contractor(s)

- 2.1 The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.
- 2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he/ she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
- 2.1.2 The Bidder declares that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s). This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process. In case, the Bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/ guidelines.
- 2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant Indian Penal Code (IPC) and Prevention of Corruption Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- 2.1.4 Foreign Bidder(s)/ Contractor(s) shall disclose the name and address of agents and representatives in India and Indian Bidder(s)/ Contractor(s) to disclose their foreign principals or associates. The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- 2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 2.3 The Bidder(s)/ Contractor(s) shall not approach the Courts while representing the matters to IEMs and will await their decision in the matter.

Section 3 - Disqualification from tender process and exclusion from future contracts

If the Bidder(s)/ Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 above, or acts in any other manner such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/ Contractor(s) from the tender process or take action as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors", framed by the Principal.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

Section 4 - Compensation for Damages

- 4.1 If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent Earnest Money Deposit/ Bid Security.
- 4.2 If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages equivalent to 5% of the contract value or the amount equivalent to Security Deposit/ Performance Bank Guarantee, whichever is higher.

Section 5 - Previous Transgression

- 5.1 The Bidder declares that no previous transgressions occurred in the last 3 years with any other company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
- 5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section 6 - Equal treatment of all Bidders/ Contractors / Sub-contractors

- 6.1 The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors. In case of sub-contracting, the Principal contractor shall be responsible for the adoption of IP by his sub-contractors and shall continue to remain responsible for any default by his sub-contractors.
- 6.2 The Principal will disqualify from the tender process all bidders who do not sign this pact or violate its provisions.

Section 7 - Criminal Charges against violating Bidders/ Contractors /Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section 8 -Independent External Monitor(s)

- 8.1 The Principal appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
- 8.2 The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.
- 8.3 The Bidder(s)/ Contractor(s) accepts that the Monitor has the right to access without restriction to all contract documentation of the Principal including that provided by the Bidder(s)/ Contractor(s). The Bidder(s)/ Contractor(s) will grant the monitor, upon his request and demonstration of a valid interest, unrestricted and

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

unconditional access to his contract documentation. The same is applicable to Sub-contractor(s). The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s) / Sub-contractor(s) with confidentiality in line with Non- disclosure agreement.

8.4 The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

8.5 The role of IEMs is advisory, would not be legally binding and it is restricted to resolving issues raised by an intending bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some bidders. At the same time, it must be understood that IEMs are not consultants to the Management. Their role is independent in nature and the advice once tendered would not be subject to review at the request of the organization.

8.6 For ensuring the desired transparency and objectivity in dealing with the complaints arising out of any tendering process, the matter should be examined by the full panel of IEMs jointly as far as possible, who would look into the records, conduct an investigation, and submit their joint recommendations to the Management.

8.7 The IEMs would examine all complaints received by them and give their recommendations/ views to CMD, BHEL, at the earliest. They may also send their report directly to the CVO and the Commission, in case of suspicion of serious irregularities requiring legal/ administrative action. IEMs will tender their advice on the complaints within 10 days as far as possible.

8.8 The CMD, BHEL shall decide the compensation to be paid to the Monitor and its terms and conditions.

8.9 IEM should examine the process integrity; they are not expected to concern themselves with fixing of responsibility of officers. Complaints alleging mala fide on the part of any officer of the organization should be looked into by the CVO of the concerned organisation.

8.10 If the Monitor has reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant Indian Penal Code/ Prevention of Corruption Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.

8.11 The number of Independent External Monitor(s) shall be decided by the CMD, BHEL.

8.12 The word 'Monitor' would include both singular and plural.

Section 9 - Pact Duration

9.1 This Pact shall be operative from the date IP is signed by both the parties till the final completion of contract for successful bidder and for all other bidders 6 months after the contract has been awarded. Issues like warranty / guarantee etc. should be outside the purview of IEMs.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

9.2 If any claim is made/ lodged during currency of IP, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/ determined by the CMD, BHEL.

Section 10 - Other Provisions

10.1 This agreement is subject to Indian Laws and jurisdiction shall be registered office of the Principal, i.e. New Delhi.

10.2 Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

10.3 If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.

10.4 Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

10.5 Only those bidders / contractors who have entered into this agreement with the Principal would be competent to participate in the bidding. In other words, entering into this agreement would be a preliminary qualification.

RAHUL DEB

Digitally signed by RAHUL DEB
Date: 2025.06.06 12:43:16 +05'30'

For & On behalf of the Principal

For & On behalf of the Bidder/ Contractor

(Office Seal)

(Office Seal)

Place-----

Date-----

Witness: _____

Witness: _____

(Name & Address) _____

(Name & Address) _____

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XV

DECLARATION CONFIRMING KNOWLEDGE ABOUT SITE CONDITIONS

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

To,

_____ (Write Name and Designation of Officer of BHEL inviting the Tender);

Bharat Heavy Electricals Limited,
Central Procurement Cell (CPC), 8th Floor, BHEL SADAN,
Plot No. 25, Sector-16A, Noida, U.P.-201301

Dear Sir,

Sub: Declaration confirming knowledge about Site conditions

Ref: 1) NIT/Tender Specification No: **BHEL/CPC/KKN/FAC_FAB/26/001**

2) All other pertinent issues till date

I/We, _____ hereby declare and confirm that we have visited the Project Site as referred in BHEL Tender Specifications and acquired full knowledge and information about the Site conditions including Wage structure, Industrial Climate, the Law & Order and other conditions prevalent at and around the Site. We further confirm that the above information is true and correct and we shall not raise any claim of any nature due to lack of knowledge of Site conditions.

I/We, hereby offer to carry out work as detailed in above mentioned Tender Specification, in accordance with Terms & Conditions thereof.

Yours faithfully,

(Signature, Date & Seal of Authorized
Representative of the Bidder)

Date :

Place:

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XVI
DECLARATION

Date: _____

To,

(Write Name and Designation of Officer of BHEL inviting the Tender);

Bharat Heavy Electricals Limited,
Central Procurement Cell (CPC), 8th Floor, BHEL SADAN,
Plot No. 25, Sector-16A, Noida, U.P.-201301

Sub: Details of related firms and their area of activities

Dear Sir/ Madam,

Please find below details of firms owned by our family members that are doing business/ registered for same item with BHEL, _____ (NA, if not applicable)

1	Material Category/ Work Description	
	Name of Firm	
	Address of Firm	
	Nature of Business	
	Name of Family Member	
	Relationship	
2	Material Category/ Work Description	
	Name of Firm	
	Address of Firm	
	Nature of Business	
	Name of Family Member	
	Relationship	
...		

Note: I certify that the above information is true and I agree for penal action from BHEL in case any of the above information furnished is found to be false.

Regards,

(_____)

From: M/s _____

Vendor/Contractor Code: _____

Address: _____

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XVII

DECLARATION FOR RELATION IN BHEL

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder failing which the offer of Bidder is liable to be summarily rejected)

To,

_____ (Write Name and Designation of Officer of BHEL inviting the Tender);

Bharat Heavy Electricals Limited,
Central Procurement Cell (CPC), 8th Floor, BHEL SADAN,
Plot No. 25, Sector-16A, Noida, U.P.-201301

Dear Sir,

Sub: **Declaration for relation in BHEL**

Ref: 1) NIT/Tender Specification No: **BHEL/CPC/KKN/FAC_FAB/26/001**

I/We hereby submit the following information pertaining to relation/relatives of Proprieter/Partner(s)/ Director(s) employed in BHEL

Tick (✓) any one as applicable:

1. The Proprieter, Partner(s), Director(s) of our Company/Firm DO NOT have any relation or relatives employed in BHEL

OR

2. The Proprieter, Partner(s), or Director(s) of our Company/Firm HAVE relation/relatives employed in BHEL and their particulars are as below:
 - i.
 - ii.

**(Signature, Date & Seal of Authorized
Signatory of the Bidder)**

Note:

1. Attach separate sheet, if necessary.
2. If BHEL Management comes to know at a later date that the information furnished by the Bidder is false, BHEL reserves the right to take suitable against the Bidder/ Vendor/Contractor.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XVIII

DECLARATION REGARDING MINIMUM LOCAL CONTENT IN LINE WITH REVISED PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA), ORDER 2017 DATED 04TH JUNE, 2020 AND SUBSEQUENT ORDER(S)

(To be typed and submitted in the Letter Head of the Entity/Firm providing certificate as applicable)

To,

_____ (Write Name and Designation of Officer of BHEL inviting the Tender);

Bharat Heavy Electricals Limited,
Central Procurement Cell (CPC), 8th Floor, BHEL SADAN,
Plot No. 25, Sector-16A, Noida, U.P.-201301

Dear Sir,

Sub: Declaration reg. minimum local content in line with Public Procurement (Preference to Make in India), Order 2017-Revision, dated 19th July, 2024 and subsequent order(s).

Ref : 1) NIT/Tender Specification No: **BHEL/CPC/KKN/FAC_FAB/26/001**

2) All other pertinent issues till date

We hereby certify that the items/works/services offered by..... (specify the name of the organization here) has a local content of _____ % and this meets the local content requirement for 'Class-I local supplier' / 'Class II local supplier' ** as defined in Public Procurement (Preference to Make in India), Order 2017-Revision dated 19.07.2024 issued by DPIIT and subsequent order(s).

The details of the location(s) at which the local value addition is made are as follows:

1. _____	2. _____	5. _____
3. _____	4. _____	6. _____

Thanking you,
Yours faithfully,

(Signature, Date & Seal of
Authorized Signatory of the Bidder)

**** - Strike out whichever is not applicable.**

Note:

1. The Bidder to submit self-certification for the local content in the above format along with the techno-commercial offer.
2. In case the bidder's quoted value is in excess of Rs. 10 crores, the contractor shall be required to give local content certification duly certified by statutory auditor or cost auditor of the company (in the case of companies) or a practising cost accountant or practicing chartered accountant (in respect of suppliers other than companies) at the time of execution of project.
3. In case the contractor/supplier does not meet the stipulated requirement and the category of the supplier changes from Class -I to Class-II/Non-local or from Class-II to Non-local, a penalty up to 10% of the contract value shall be imposed.
4. In the event of false declaration, actions as per the above order and as per BHEL Guidelines shall be initiated against the bidder.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XIX

**DECLARATION REGARDING COMPLIANCE TO RESTRICTIONS UNDER RULE 144 (xi) OF
GFR 2017**

(To be typed and submitted in the Letter Head of the Entity/ Firm providing certificate as applicable)

To,

_____ (Write Name and Designation of Officer of BHEL inviting the Tender);
Bharat Heavy Electricals Limited,
Central Procurement Cell (CPC), 8th Floor, BHEL SADAN,
Plot No. 25, Sector-16A, Noida, U.P.-201301

Dear Sir,

Sub: Declaration regarding compliance to Restrictions under Rule 144 (xi) of GFR 2017

Ref: 1) NIT/Tender Specification No: **BHEL/CPC/KKN/FAC_FAB/26/001**
2) All other pertinent issues till date

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries. I certify that _____ (SPECIFY THE NAME OF THE ORGANIZATION HERE), is not from such a country/ has been registered with the Competent Authority (attach valid registration by the Competent Authority, i.e., the Registration Committee constituted by the Dept. for Promotion of Industry and Internal Trade (DPIIT); and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. (attach relevant valid registration, if applicable).

I hereby certify that we fulfil all requirements in this regard and is eligible to be considered.

Thanking you,
Yours faithfully,

**(Signature, Date & Seal of
Authorized Signatory of the Bidder)**

Note: Bidders to note that in case above certification given by a bidder, whose bid is accepted, is found to be false, then this would be a ground for immediate termination and for taking further action in accordance with law and as per BHEL guidelines.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XX

BANK ACCOUNT DETAILS FOR E-PAYMENT

(To be given on Letter head of the Company /Firm of Bidder, and **ENDORSED (SIGNED & STAMPED) BY THE BANK** to enable BHEL release payments through Electronic Fund Transfer (EFT/RTGS)

1. Beneficiary Name :

2. Beneficiary Account No. :

3. Bank Name & Branch :

4. City/Place :

5. 9 digit M ICR Code of Bank Branch :

6. IFSC Code of Bank Branch :

7. Beneficiary E-mail ID :
(for payment confirmation)

NOTE: In case Bank endorsed certificate regarding above has already been submitted earlier, kindly submit photocopy of the same

NOTE:

- THE DETAILS MAY EITHER BE ATTESTED BY YOUR BANKERS OR ACCOMPANIED BY A CANCELLED CHEQUE LEAF WITH IFSC CODE & A/C NO.PRINTED ON IT.

- UNDERTAKING TO REPORT IMMEDIATELY ANY CHANGES IN THE ABOVE TO BE SUBMITTED ON THE COMPANY'S LETTER HEAD

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XXI

PROFORMA OF BANK GUARANTEE FOR EARNEST MONEY

(On non-Judicial paper of appropriate value)

Bank Guarantee No.....

Date.....

To

BHARAT HEAVY ELECTRICALS LIMITED

CPC, 8th Floor, BHEL Sadan,
PS-HQ, Noida-201301

Dear Sirs,

In accordance with the terms and conditions of Invitation for Bids/Notice Inviting Tender No.....(Tender Conditions), M/s. having its registered office at(hereinafter referred to as the 'Tenderer'), is submitting its bid for the work of.....invited by Bharat Heavy Electricals Limited, Central Procurement Cell (CPC), 8th Floor, BHEL SADAN, Plot No. 25, Sector-16A, Noida, U.P.-201301. The Tender Conditions provide that the Tenderer shall pay a sum of Rs as Earnest Money Deposit in the form therein mentioned. The form of payment of Earnest Money Deposit includes Bank Guarantee executed by a Scheduled Bank.

In lieu of the stipulations contained in the aforesaid Tender Conditions that an irrevocable and unconditional Bank Guarantee against Earnest Money Deposit for an amount of is required to be submitted by the Tenderer as a condition precedent for participation in the said Tender and the Tenderer having approached us for giving the said Guarantee,

we, the[Name & address of the Bank] having our Registered Office at(hereinafter referred to as the Bank) being the Guarantor under this Guarantee, hereby irrevocably and unconditionally undertake to forthwith and immediately pay to the Employer without any demur, merely on your first demand any sum or sums of Rs.....(in words Rupees.....) without any reservation, protest, and recourse and without the beneficiary needing to prove or demonstrate reasons for its such demand.

Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.

We undertake to pay to the Employer any money so demanded notwithstanding any dispute or disputes raised by the Vendor/Contractor/Vendors in any suit or proceeding pending before any Court or Tribunal, Arbitrator or any other authority, our liability under this present being absolute and unequivocal.

The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment hereunder and the Tenderer shall have no claim against us for making such payment.

We Bank further agree that the Employer shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Tender or to extend the time of

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

submission of from time to time or to postpone for any time or from time to time any of the powers exercisable by the Employer against the said Tenderer and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Tenderer or for any forbearance, act or omission on the part of the Employer or any indulgence by the Employer to the said Tenderer or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

The Bank also agrees that the Employer at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the Tenderer and notwithstanding any security or other guarantee that the Employer may have in relation to the Tenderer's liabilities.

This Guarantee shall be irrevocable and shall remain in force upto and including..... and shall be extended from time to time for such period as may be desired by the Employer.

This Guarantee shall not be determined or affected by liquidation or winding up, dissolution or change of constitution or insolvency of the Tenderer but shall in all respects and for all purposes be binding and operative until payment of all money payable to the Employer in terms hereof. However, unless a demand or claim under this Guarantee is made on us in writing on or before the we shall be discharged from all liabilities under this Guarantee.

We, ... Bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Employer in writing.

This Bank Guarantee shall be governed, construed and interpreted in accordance with the laws of India. Courts at Delhi shall alone have exclusive jurisdiction over any matter arising out of or in connection with this Bank Guarantee

Notwithstanding anything to the contrary contained hereinabove:

- a) The liability of the Bank under this Guarantee shall not exceed.....
- b) This Guarantee shall be valid up to
- c) Unless the Bank is served a written claim or demand on or before _____ all rights under this guarantee shall be forfeited and the Bank shall be relieved and discharged from all liabilities under this guarantee irrespective of whether or not the original bank guarantee is returned to the Bank

We, _____ Bank, have power to issue this Guarantee under law and the undersigned as a duly authorized person has full powers to sign this Guarantee on behalf of the Bank.

For and on behalf of
(Name of the Bank)

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

Date.....

Place of Issue.....

¹ *Details of the Invitation to Bid/Notice Inviting Tender*

² *Name and Address of the Tenderer*

³ *Details of the Work*

⁴ *Name of the Employer*

⁵ *BG Amount in words and Figures*

⁶ *Validity Date : This shall be the duration of Offer Validity Date*

⁷ *Date of Expiry of Claim Period : The Claim period may be kept 3 to 6 months beyond the validity date*

Notes:

1. Bidders are advised that expiry of claim period may be kept 3-6 months after validity date.
2. The should be on Non-Judicial Stamp paper/e-stamp paper of appropriate value as per Stamp Act prevailing in the State(s) where the BG is submitted or is to be acted upon or the rate prevailing in the State where the BG was executed, whichever is higher. The Stamp Paper/e-stamp paper shall be purchased in the name of Contractor/sub-contractor /vendor/ Bank issuing the guarantee.
3. **In Case of Bank Guarantees submitted by Foreign Vendors-**
 - a. **From Nationalized/Public Sector / Private Sector/ Foreign Banks (BG issued by Branches in India)** can be accepted subject to the condition that the Bank Guarantee should be enforceable in the town/city or at nearest branch where the Unit is located i.e. Demand can be presented at the Branch located in the town/city or at nearest branch where the Unit is located.
 - b. **From Foreign Banks (wherein Foreign Vendors intend to provide BG from local branch of the Vendor country's Bank)**
 - b.1** In such cases, in the Tender Enquiry/ Contract itself, it may be clearly specified that Bank Guarantee issued by **any of the Consortium Banks only** will be accepted by BHEL. As such, Foreign Vendor needs to make necessary arrangements for issuance of Counter- Guarantee by Foreign Bank in favour of the Indian Bank's (BHEL's Consortium Bank) branch in India. It is advisable that all charges for issuance of Bank Guarantee/ counter- Guarantee should be borne by the Foreign Vendor. The tender stipulation should clearly specify these requirements.
 - b.2** In case, Foreign Vendors intend to provide BG from Overseas Branch of our Consortium Bank (e.g. if a BG is to be issued by SBI Frankfurt), the same is acceptable. However, the procedure at **sl.no. b.1** will required to be followed.
 - b.3** The BG issued may preferably be subject to Uniform Rules for Demand Guarantees (URDG) 758 (as amended from time to time). The BG Format provided to them should clearly specify the same.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XXII

PROFORMA OF INSURANCE SURETY BOND TOWARDS EARNEST MONEY DEPOSIT

(To be stamped in accordance with Stamp Act of India)

Insurance Surety Bond No.

Date.....

To

Bharat Heavy Electricals Limited,
Central Procurement Cell (CPC), 8th Floor, BHEL SADAN,
Plot No. 25, Sector-16A, Noida, U.P.-201301

Dear Sirs,

In accordance with Invitation for Bids under your Tender Ref. No., M/s..... [Bidder's Name] having its Registered/Head Office at (hereinafter called the 'Bidder') wish to participate in the said bid for [Name of Package] as an irrevocable

Insurance Surety Bond against Earnest Money Deposit for an amount of(*) valid for(**) days from(***) required to be submitted by the Bidder as a condition precedent for participation in the said bid which amount is liable to be forfeited on the happening of any contingencies as mentioned under the Bidding Documents.

We, the [Name & address of the Insurer] having our Head Office at(#) guarantee and undertake to pay immediately on demand by **Bharat Heavy Electricals Limited** (hereinafter called the 'Employer') the amount of(*) without any reservation, protest, demand and recourse. Any such demand made by the 'Employer' shall be conclusive and binding on us irrespective of any dispute or difference raised by the Bidder and/or any right/remedy available to the bidder in terms thereof.

This Insurance Surety Bond shall be unconditional as well as irrevocable and remain in full force for a period of(**) days from the latest due date of bid opening and a claim period of(@) days. If any further extension

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

of this Insurance Surety Bond is required, the same shall be extended to such required period (not exceeding one year) on receiving instructions from M/s [Bidder's Name] on whose behalf this Insurance Surety Bond is issued.

In witness where of the Insurer, through its authorized officer, has set its hand and stamp on this.....day of..... 20..... at

(Signature)

(Name)

(Designation with Insurer Stamp)

Authorised Vide Power of Attorney

No.....

Date.....

WITNESS:

1.(Signature)
.....(Name)
.....(Official Address)

2.(Signature)
.....(Name)
.....(Official Address)

NOTE:

- (*) The amount as specified in the Notice inviting Tender (NIT).
(**) This shall be the duration of Offer Validity Date.
(***) This shall be the latest date of opening of Techno-Commercial bids.
(#) Complete mailing address of the Head Office of the Insurer to be given.
(@) This date shall be expiry of claim period & may be kept 3-6 months beyond the validity date
- The Insurance Surety Bond shall be from an Insurer as per guidelines issued by Insurance Regulatory and Development Authority of India (IRDAI) as amended from time to time.
- The Employer shall be the Creditor, the Bidder shall be the Principal debtor and the Insurance company/Insurer shall be the Surety in respect of the Insurance Surety Bond to be issued by the Insurer.
- The Insurance Surety Bond should be on Non-Judicial stamp paper/e-stamp paper of appropriate value as per Stamp Act prevailing in the state (s) where the Insurance Surety Bond is submitted or is to be acted upon or the rate prevailing in State where the Insurance Surety Bond is executed, whichever is higher. The Stamp Paper/e-stamp paper shall be purchased in the name of Bidder/Insurer issuing the Insurance Surety Bond.
- While getting the Insurance Surety Bond issued, Bidders are required to ensure compliance to the points

	CENTRAL PROCUREMENT CELL (CPC) <i>PURCHASE DEPARTMENT</i>	GENERAL CONDITIONS OF CONTRACT (GCC)	<i>ANNEXURES</i>

mentioned in Form of Bank Guarantee/Insurance Surety Bond Verification Check List enclosed in this Section of Bidding Documents. Further, Bidders are required to fill up this Form and enclose the same with the Insurance Surety Bond.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XXIII

BANK GUARANTEE FOR PERFORMANCE SECURITY

(To be stamped in accordance with Stamp Act of India)

Bank Guarantee No:

Date:

To
NAME
& ADDRESSES OF THE BENEFICIARY

Dear Sirs,

In consideration of Bharat Heavy Electricals Limited (hereinafter referred to as the 'Employer' which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns) incorporated under the Companies Act, 1956 and having its registered office at _____ through its Unit at.....(name of the Unit) having awarded to (Name of the Vendor / Contractor / Supplier) with its registered office at_____ hereinafter referred to as the 'Vendor / Contractor / Supplier', which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns), a contract Ref No.....dated valued at Rs..... (Rupees ----- --)/FC.....(in words.....) for (hereinafter called the 'Contract') and the Vendor / Contractor / Supplier having agreed to provide a Contract Performance Bank Guarantee, equivalent to% (.... Percent) of the said value of the Contract to the Employer for the faithful performance of the Contract,

we, ... (hereinafter referred to as the Bank), having registered/Head office at and inter alia a branch at being the Guarantor under this Guarantee, hereby, irrevocably and unconditionally undertake to forthwith and immediately pay to the Employer any sum or sums upto a maximum amount of Rs ----- (Rupees -----) without any demur, immediately on first demand from the Employer and without any reservation, protest, and recourse and without the Employer needing to prove or demonstrate reasons for its such demand.

Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____.

We undertake to pay to the Employer any money so demanded notwithstanding any dispute or disputes raised by the Vendor / Contractor / Supplier in any suit or proceeding pending before any Court or Tribunal, Arbitrator or any other authority, our liability under this present being absolute and unequivocal.

The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment thereunder and the Vendor / Contractor / Supplier shall have no claim against us for making such payment.

We the bank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Contract/satisfactory completion of the performance guarantee period

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

as per the terms of the Contract and that it shall continue to be enforceable till all the dues of the Employer under or by virtue of the said Contract have been fully paid and its claims satisfied or discharged.

We BANK further agree with the Employer that the Employer shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Contract or to extend time of performance by the said Vendor / Contractor / Supplier from time to time or to postpone for any time or from time to time any of the powers exercisable by the Employer against the said Vendor / Contractor / Supplier and to forbear or enforce any of the terms and conditions relating to the said Contract and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Vendor / Contractor / Supplier or for any forbearance, act or omission on the part of the Employer or any indulgence by the Employer to the said Vendor / Contractor / Supplier or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

The Bank also agrees that the Employer at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the Vendor / Contractor / Supplier and notwithstanding any security or other guarantee that the Employer may have in relation to the Vendor / Contractor / Supplier's liabilities.

This Guarantee shall remain in force upto and including..... and shall be extended from time to time for such period as may be desired by Employer.

This Guarantee shall not be determined or affected by liquidation or winding up, dissolution or change of constitution or insolvency of the Vendor / Contractor / Supplier but shall in all respects and for all purposes be binding and operative until payment of all money payable to the Employer in terms thereof.

Unless a demand or claim under this guarantee is made on us in writing on or before the we shall be discharged from all liabilities under this guarantee thereafter.

This Bank Guarantee shall be governed, construed and interpreted in accordance with the laws of India.

Courts at Delhi shall alone have exclusive jurisdiction over any matter arising out of or in connection with this Bank Guarantee.

We, ... BANK lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Employer in writing.

Notwithstanding anything to the contrary contained hereinabove:

- a) The liability of the Bank under this Guarantee shall not exceed.....
- b) This Guarantee shall be valid up to
- c) Unless the Bank is served a written claim or demand on or before _____ all rights under this guarantee shall be forfeited and the Bank shall be relieved and discharged from all liabilities under this guarantee irrespective of whether or not the original bank guarantee is returned to the Bank.

We, _____ Bank, have power to issue this Guarantee under law and the undersigned as a duly authorized person has full powers to sign this Guarantee on behalf of the Bank.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

For and on behalf of
(Name of the Bank)

Dated.....

Place of Issue.....

¹ NAME AND ADDRESS OF EMPLOYER I.e Bharat Heavy Electricals Limited

² NAME AND ADDRESS OF THE VENDOR /CONTRACTOR / SUPPLIER.

³ DETAILS ABOUT THE NOTICE OF AWARD/CONTRACT REFERENCE

⁴ CONTRACT VALUE

⁵ PROJECT/SUPPLY DETAILS

⁶ BG AMOUNT IN FIGURES AND WORDS

⁷ VALIDITY DATE : The validity of Bank Guarantee towards Security Deposit shall be till actual completion work (Contract period) + Guarantee Period + 3 months

⁸ DATE OF EXPIRY OF CLAIM PERIOD : The Claim period may be kept 3 to 6 months beyond the validity date

Note:

1. Bidders are advised that expiry of claim period may be kept 3-6 months after validity date.
2. The BG should be on Non-Judicial Stamp paper/e-stamp paper of appropriate value as per Stamp Act prevailing in the State(s) where the BG is submitted or is to be acted upon or the rate prevailing in the State where the BG was executed, whichever is higher. The Stamp Paper/e-stamp paper shall be purchased in the name of Vendor/Contractor/Supplier /Bank issuing the guarantee.
3. **In Case of Bank Guarantees submitted by Foreign Vendors-**
 - a. **From Nationalized/Public Sector / Private Sector/ Foreign Banks (BG issued by Branches in India)** can be accepted subject to the condition that the Bank Guarantee should be enforceable in the town/city or at nearest branch where the Unit is located i.e. Demand can be presented at the Branch located in the town/city or at nearest branch where the Unit is located.
 - b. **From Foreign Banks (wherein Foreign Vendors intend to provide BG from local branch of the Vendor country's Bank)**
 - b.1 In such cases, in the Tender Enquiry/ Contract itself, it may be clearly specified that Bank Guarantee issued by **any of the Consortium Banks only** will be accepted by BHEL. As such, Foreign Vendor needs to make necessary arrangements for issuance of Counter- Guarantee by Foreign Bank in favour of the Indian Bank's (BHEL's Consortium Bank) branch in India. It is advisable that all charges for issuance of Bank Guarantee/ counter- Guarantee should be borne by the Foreign Vendor. The tender stipulation should clearly specify these requirements.

	CENTRAL PROCUREMENT CELL (CPC) <i>PURCHASE DEPARTMENT</i>	GENERAL CONDITIONS OF CONTRACT (GCC)	<i>ANNEXURES</i>

b.2 In case, Foreign Vendors intend to provide BG from Overseas Branch of our Consortium Bank (e.g. if a BG is to be issued by SBI Frankfurt), the same is acceptable. However, the procedure at sl.no. b.1 will required to be followed.

b.3 The BG issued may preferably be subject to Uniform Rules for Demand Guarantees (URDG) 758 (as amended from time to time). The BG Format provided to them should clearly specify the same.

	CENTRAL PROCUREMENT CELL (CPC) <i>PURCHASE DEPARTMENT</i>	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XXIV

PROFORMA OF INSURANCE SURETY BOND TOWARDS PERFORMANCE SECURITY

(To be stamped in accordance with Stamp Act of India)

Insurance Surety Bond No.....

Date.....

To,
NAME
& ADDRESSES OF THE BENEFICIARY

Dear Sirs,

In consideration, to **Bharat Heavy Electricals Limited** (Hereinafter referred to as the 'Employer' which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators and assigns), for having awarded, **M/s ... (Contractor's name) ...** having its Registered /Head Office at ... (Address) ... (Hereinafter referred to as the 'Contractor', which expression shall unless repugnant to the context or meaning thereof, include its successors administrators, executors and assigns), a Contract by issue of Letter of Award No. **dated ...dd/mm/yyyy...** and the same having been unequivocally accepted by the contractor, valued at **Rs. (Rupees only)** and the Contractor having agreed to provide Security Deposit towards fulfilment of any obligations in terms of the provisions of the contract equivalent to% (percent) of the said value of the Contract to the Employer amounting **Rs. (Rupees Only).**

We **[Name & Address of the Insurer]** having its Head Office at (hereinafter referred to as the 'Insurer', which expression shall, unless repugnant to the context or meaning thereof, include its successors, administrators, executors and assigns) do hereby guarantee and undertake to pay the Employer, on demand any and all amount payable by the Contractor in terms of the agreement to provide Security Deposit, to the extent of **Rs (Rupees Only)** as aforesaid at any time up to **...dd/mm/yyyy... [#]** without any condition, demur, reservation, contest, recourse or protest and/or without any reference to the Contractor. Any such demand made by the Employer on the Insurer shall be conclusive and binding notwithstanding any difference between the Employer and the Contractor or the Insurer and the Contractor or any dispute pending before any Court, Tribunal, Arbitrator or any other authority. The Insurer undertakes not to revoke this Insurance Surety Bond during its currency and or any period extended under the contract, without prior consent of the Employer and further agrees that the guarantee herein contained shall be enforceable till **...dd/mm/yyyy... [@]**.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

The Employer shall have the fullest liberty, without affecting in any way the liability of the Insurer under this Insurance Surety Bond, from time to time to extend the performance of the Contract by the Contractor for the purpose of which, the Insurer shall be liable to extend the validity of the present Insurance Surety Bond without any demur, condition, protest and the Insurer shall at no point in time have an option of revoking the same, The Employer shall have the fullest liberty, without affecting this Insurance Surety Bond, to postpone from time to time the exercise of any powers vested in them or of any right which they might have against the Contractor, and to exercise the same at any time in any manner, and either to enforce or to forbear to enforce any covenants, contained or implied, in the Contract between the Employer and the Contractor or any other course or remedy or security available to the Employer. The Insurer shall not be released of its obligations under these presents by any exercise by the Employer of its liberty with reference to the aforesaid or any of them or by reason of any other act or forbearance or other acts of omission or commission on the part of the Employer or any other indulgence shown by the Employer or by any other matter or thing whatsoever which under law would, but for this provision, have the effect of relieving the Insurer.

The Insurer also agrees and undertakes that the Employer at its option shall be entitled to enforce this Insurance Surety Bond against the Insurer as a Surety, in the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee that the Employer may have in relation to the Contractor's liabilities.

Notwithstanding anything contained herein above our liability under this Insurance Surety Bond is restricted to **Rs. (Rupees Only)** and it shall remain in force up to and including **...dd/mm/yyyy... [#]** and shall be extended from time to time for such period, as may be desired by **M/s ...(Contractor's name)...** on whose behalf this Insurance Surety Bond has been given.

Dated this..... day of..... 20 at.....

(Signature)

(Name)

(Designation with Insurer Stamp)

Authorised Vide Power of Attorney

No.....

Date.....

WITNESS :

1.(Signature)

.....(Name)

.....(Official Address)

2.(Signature)

.....(Name)

.....(Official Address)

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

Notes:

- 1) **# Validity date:** The validity of Insurance Surety Bond towards Security Deposit shall be till actual completion work (Contract period) + Guarantee Period + 3 months.
- 2) **@ Date of Expiry of Claim Period:** The Claim period may be kept 3 to 6 months beyond the validity date.
- 3) The Insurance Surety Bond shall be from an Insurer as per guidelines issued by Insurance Regulatory and Development Authority of India (IRDAI).
- 4) The Employer shall be the Creditor, the Contractor shall be the Principal debtor and the Insurance company/Insurer shall be the Surety in respect of the Insurance Surety Bond to be issued by the Insurer.
- 5) The Insurance Surety Bond should be on Non-Judicial stamp paper/e-stamp paper of appropriate value as per Stamp Act prevailing in the state(s) where the Insurance Surety Bond is executed, whichever is higher. The Stamp Paper/e-stamp paper shall be purchased in the name of Bidder/Insurer issuing the Insurance Surety Bond.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XXV

PROFORMA OF BANK GUARANTEE (in lieu of RETENTION AMOUNT)

(To be stamped in accordance with Stamp Act of India)

Bank Guarantee No:

Date:

To,

NAME

& ADDRESSES OF THE BENEFICIARY

Dear Sirs,

In consideration of Bharat Heavy Electricals Limited (hereinafter referred to as the 'Employer' which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns) incorporated under the Companies Act, 1956 and having its registered office at BHEL House, Siri Fort, Asiad, New Delhi – 110049 ¹ through its Unit at _____, having agreed to exempt (Name of the Vendor / Contractor / Supplier) with its registered office at _____ ² (hereinafter called the said "Contractor" which term includes supplier), from demand under the terms and conditions of the Contract reference No. _____ dated _____ ³ valued at Rs. ⁴ (Rupees -----) ⁴ (hereinafter called the said Contract), of Retention Amount for the due fulfilment by the said Contractor of the terms and conditions contained in the said Contract, on production of a Bank Guarantee for Rs. _____ ⁵ (Rupees _____ only) ⁵.

We _____ (indicate the name and address of the Bank) having its Head Office at _____ (address of the head Office) (hereinafter referred to as the Bank), at the request of _____ [Contractor(s)], being the Guarantor under this Guarantee, do hereby irrevocably and unconditionally undertake to forthwith and immediately pay to the Employer, an amount not exceeding Rs. _____ without any demur, immediately on demand from the Employer and without any reservation, protest, and recourse and without the Employer needing to prove or demonstrate reasons for its such demand

Any such demand made on the bank, shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

We undertake to pay to the Employer any money so demanded notwithstanding any dispute or disputes raised by the Contractor(s) in any suit or proceeding pending before any Court or Tribunal or Arbitrator or any other authority, our liability under this present being absolute and unequivocal.

The payment so made by us under this guarantee shall be a valid discharge of our liability for payment hereunder and the Contractor(s) shall have no claim against us for making such payment.

We, further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Contract and that it shall continue to be enforceable till all the dues of the Employer under or by virtue of the said Contract have been fully paid and its claims satisfied & the Employer certifies that the terms and conditions of the said Contract have been fully and properly carried out by the said contractor(s) or acceptance of the final bill or discharge of this guarantee by the Employer, whichever is earlier. This guarantee shall initially remain in force upto and including _____⁶ and shall be extended from time to time for such period as may be desired by the Employer. Unless a demand or claim under this guarantee is made on us in writing on or before the _____⁷, we shall be discharged from all the liability under this guarantee thereafter.

We, ____ (indicate the name of the Bank) ____ further agree with the Employer that the Employer shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Contract or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Employer against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said Contract and we shall not be relieved from our liability by any reason of any such variation or extension being granted to the said contractor(s) or for any forbearance, act or omission on the part of the Employer or any indulgence by the Employer to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

The Bank also agrees that the Employer at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee that the Employer may have in relation to the Contractor's liabilities.

This Guarantee shall not be determined or affected by liquidation or winding up, dissolution or change of constitution or insolvency of the Contractor but shall in all respects and for all purposes be binding and operative until payment

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

of all money payable to the Employer in terms thereof. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).

We..... BANK lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Employer in writing.

Notwithstanding anything to the contrary contained hereinabove:

- a) The liability of the Bank under this Guarantee shall not exceed.....⁵
- b) This Guarantee shall be valid up to ⁶
- c) Unless the Bank is served a written claim or demand on or before ⁷ all rights under this guarantee shall be forfeited and the Bank shall be relieved and discharged from all liabilities under this guarantee irrespective of whether or not the original bank guarantee is returned to the Bank.
- d) We, ... Bank, have power to issue this Guarantee under law and the undersigned as a duly authorized person has full powers to sign this Guarantee on behalf of the Bank.

Date _____ Day of _____

for _____ (indicate the name of the Bank) _____

(Signature of Authorized signatory)

¹ ADDRESS OF THE EMPLOYER. i.e. Bharat Heavy Electricals Limited

² ADDRESS OF THE VENDOR /CONTRACTOR / SUPPLIER.

³ DETAILS ABOUT THE NOTICE OF AWARD/CONTRACT REFERENCE

⁴ CONTRACT VALUE

⁵ BG AMOUNT IN FIGURES AND WORDS

⁶ VALIDITY DATE: *The validity of Bank Guarantee towards Retention amount shall be till actual completion work (Contract period) + 3 months*

⁷ DATE OF EXPIRY OF CLAIM PERIOD: *The Claim period may be kept 3 to 6 months beyond the validity date*

Note:

1. Bidders are advised that expiry of claim period may be kept 3-6 months after validity date.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

2. The BG should be on Non-Judicial Stamp paper/e-stamp paper of appropriate value as per Stamp Act prevailing in the State(s) where the BG is submitted or is to be acted upon or the rate prevailing in the State where the BG was executed, whichever is higher. The Stamp Paper/e-stamp paper shall be purchased in the name of Vendor/Contractor/Supplier /Bank issuing the guarantee.

3. In Case of Bank Guarantees submitted by Foreign Vendors-

a. **From Nationalized/Public Sector / Private Sector/ Foreign Banks (BG issued by Branches in India)** can be accepted subject to the condition that the Bank Guarantee should be enforceable in the town/city or at nearest branch where the Unit is located i.e. Demand can be presented at the Branch located in the town/city or at nearest branch where the Unit is located.

b. **From Foreign Banks (wherein Foreign Vendors intend to provide BG from local branch of the Vendor Country's Bank)**

b.1 In such cases, in the Tender Enquiry/ Contract itself, it may be clearly specified that Bank Guarantee issued by **any of the Consortium Banks only** will be accepted by BHEL. As such, Foreign Vendor needs to make necessary arrangements for issuance of Counter- Guarantee by Foreign Bank in favour of the Indian Bank's (BHEL's Consortium Bank) branch in India. It is advisable that all charges for issuance of Bank Guarantee/ counter- Guarantee should be borne by the Foreign Vendor. The tender stipulation should clearly specify these requirements.

b.2 In case, Foreign Vendors intend to provide BG from Overseas Branch of our Consortium Bank (e.g. if a BG is to be issued by SBI Frankfurt), the same is acceptable. However, the procedure at sl.no. b.1 will required to be followed.

The BG issued may preferably be subject to Uniform Rules for Demand Guarantees (URDG) 758 (as amended from time to time). The BG Format provided to them should clearly specify the same.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XXVI

PROFORMA OF INSURANCE SURETY BOND TOWARDS RETENTION AMOUNT

(To be stamped in accordance with Stamp Act of India)

Insurance Surety Bond No.....

Date.....

To,
NAME
& ADDRESSES OF THE BENEFICIARY

Dear Sirs,

In consideration, to **Bharat Heavy Electricals Limited** (Hereinafter referred to as the 'Employer' which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators and assigns), for having awarded, M/s ... **(Contractor's name)** ... having its Registered /Head Office at (Hereinafter referred to as the 'Contractor', which expression shall unless repugnant to the context or meaning thereof, include its successors administrators, executors and assigns), a Contract by issue of Letter of Award No.
dated ...dd/mm/yyyy... and the same having been unequivocally accepted by the contractor, valued at **Rs.** **(Rupees only)** and the Contractor having agreed to provide Retention Amount for the due fulfilment by the said Contractor of the terms and conditions contained in the said Contract equivalent to% (percent) of the said value of the Contract to the Employer amounting **Rs.** **(Rupees Only).**

We **[Name & Address of the Insurer]** having its Head Office at (hereinafter referred to as the 'Insurer', which expression shall, unless repugnant to the context or meaning thereof, include its successors, administrators, executors and assigns) do hereby guarantee and undertake to pay the Employer, on demand any and all amount payable by the Contractor in terms of the agreement to provide Retention amount, to the extent of **Rs** **(Rupees Only)** as aforesaid at any time up to ...dd/mm/yyyy... **[#]** without any condition, demur, reservation, contest, recourse or protest and/or without any reference to the Contractor. Any such demand made by the Employer on the Insurer shall be conclusive and binding notwithstanding any difference between the Employer and the Contractor or the Insurer and the Contractor or any dispute pending before any Court, Tribunal, Arbitrator or any other authority. The Insurer undertakes not to revoke this Insurance Surety Bond during its currency and or any period extended under the contract, without

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

prior consent of the Employer and further agrees that the guarantee herein contained shall be enforceable till ...dd/mm/yyyy... [@].

The Employer shall have the fullest liberty, without affecting in any way the liability of the Insurer under this Insurance Surety Bond, from time to time to extend the performance of the Contract by the Contractor for the purpose of which, the Insurer shall be liable to extend the validity of the present Insurance Surety Bond without any demur, condition, protest and the Insurer shall at no point in time have an option of revoking the same, The Employer shall have the fullest liberty, without affecting this Insurance Surety Bond, to postpone from time to time the exercise of any powers vested in them or of any right which they might have against the Contractor, and to exercise the same at any time in any manner, and either to enforce or to forbear to enforce any covenants, contained or implied, in the Contract between the Employer and the Contractor or any other course or remedy or security available to the Employer. The Insurer shall not be released of its obligations under these presents by any exercise by the Employer of its liberty with reference to the aforesaid or any of them or by reason of any other act or forbearance or other acts of omission or commission on the part of the Employer or any other indulgence shown by the Employer or by any other matter or thing whatsoever which under law would, but for this provision, have the effect of relieving the Insurer.

The Insurer also agrees and undertakes that the Employer at its option shall be entitled to enforce this Insurance Surety Bond against the Insurer as a Surety, in the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee that the Employer may have in relation to the Contractor's liabilities.

Notwithstanding anything contained herein above our liability under this Insurance Surety Bond is restricted to **Rs. (Rupees Only)** and it shall remain in force up to and including ...dd/mm/yyyy... [#] and shall be extended from time to time for such period, as may be desired by **M/s ...(Contractor's name)...** on whose behalf this Insurance Surety Bond has been given.

Dated this..... day of..... 20 at.....

(Signature)

(Name)

(Designation with Insurer Stamp)

Authorised Vide Power of Attorney

No.....

Date.....

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

WITNESS :

1.(Signature)
.....(Name)
.....(Official Address)
2.(Signature)
.....(Name)
.....(Official Address)

Notes:

- 1) **# Validity date:** The validity of Insurance Surety Bond towards Retention Amount shall be till actual completion work (Contract period) + 3 months
- 2) **@ Date of Expiry of Claim Period:** The Claim period may be kept 3 to 6 months beyond the validity date.
- 3) The Insurance Surety Bond shall be from an Insurer as per guidelines issued by Insurance Regulatory and Development Authority of India (IRDAI).
- 4) The Employer shall be the Creditor, the Contractor shall be the Principal debtor and the Insurance company/Insurer shall be the Surety in respect of the Insurance Surety Bond to be issued by the Insurer.
- 5) The Insurance Surety Bond should be on Non-Judicial stamp paper/e-stamp paper of appropriate value as per Stamp Act prevailing in the state(s) where the Insurance Surety Bond is executed, whichever is higher. The Stamp Paper/e-stamp paper shall be purchased in the name of Bidder/Insurer issuing the Insurance Surety Bond.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XXVII

BANK GUARANTEE FOR INTEREST BEARING REFUNDABLE ADVANCE

(To be stamped in accordance with Stamp Act of India)

Bank Guarantee No:

Date:

To,
NAME
& ADDRESSES OF THE BENEFICIARY

Dear Sirs,

This deed of Guarantee made this _____ day of _____ two thousand _____ by < **Name and Address of Bank**> hereinafter called the "The Guarantor" (which expression shall unless repugnant to the context or meaning thereof be deemed to include its successors and assigns) in favour of M/S Bharat Heavy Electricals Limited a Company incorporated under the Companies Act, 1956, having its registered office at BHEL House, Siri Fort, New Delhi - 110049 through its unit at _____, hereinafter called "The Company" (which expression shall unless repugnant to the context or meaning thereof be deemed to include its successors and assigns).

WHEREAS M/s. _____ (hereinafter referred to as the Contractor) have entered into a Contract arising out of Letter of Award no.: _____ dtd. _____ (hereinafter referred to as "the Contract") for the < **Name of work**> with the Company.

AND WHEREAS the Contract inter-alia provides that the Company will pay to the Contractor interest bearing advance of Rs. _____ (Rupees _____ only) on certain terms and conditions specified in the Contract subject to the Contractor furnishing a Bank Guarantee for Rs. _____ (Rupees _____ only) in favour of the Company.

AND WHEREAS the Company has agreed to accept a Bank Guarantee from a Bank to cover the said advance.

AND WHEREAS the Contractor has approached the Guarantor and in consideration of the arrangement arrived at between the Contractor and the Guarantor, the Guarantor has agreed to give the Guarantee as hereinafter mentioned in favour of the Company.

NOW THIS DEED WITNESSES AS FOLLOWS: -

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

- (1) In consideration of the Company having agreed to advance a sum of Rs._____ (Rupees_____ only) to the Contractor, the Guarantor do hereby guarantee the due recovery by the Company of the said advance with interest thereon as provided according to the terms and conditions of the Contract. If the said Contractor fails to utilise the said advance for the purpose of the Contract and /or the said advance together with interest as aforesaid is not fully recovered by the Company the Guarantor do hereby unconditionally and irrevocably undertake to pay to the Company without demur and merely on a demand, to the extent of the said sum of Rs._____ (Rupees_____ only) any claim made by the Company on them for the loss or damage caused to or suffered by the Company by reasons of the Company not being able to recover in full the advance with interest as aforesaid.
- (2) The decision of the Company whether the Contractor has failed to utilise the said advance or any part thereof for the purpose of the Contract and / or as to the extent of loss or damage caused to or suffered by the Company by reason of the Company not being able to recover in full the said sum of Rs._____ with interest if any shall be final and binding on the Guarantor, irrespective of the fact whether the Contractor admits or denies the default or questions the correctness of any demand made by the Company in any Court Tribunal or Arbitration proceedings or before any other Authority.
- (3) The Company shall have the fullest liberty without affecting in any way the liability of the Guarantor under this Guarantee, from time to time to vary any of the terms and conditions of the Contract or extend time of performance by the Contractor or to postpone for any time and from time to time any of the powers exercisable by it against the Contractor and either enforce or forbear from enforcing any of the terms and conditions governing the Contract or securities available to the Company and the Guarantor shall not be released from its liability under these presents by any exercise by the Company of the liberty with reference to the matters aforesaid or by reasons of time being given to the Contractor or any other forbearance, act or commission on the part of the Company or any indulgence by the Company to the Contractor or of any other matter or thing whatsoever which under the law relating to sureties would, but for this provision have the effect of so releasing the Guarantor from its liability under this guarantee.
- (4) The Guarantor further agrees that the Guarantee herein contained shall remain in full force and effect during the period till the Company discharges this Guarantee, subject to however, that the Company shall have no claim under this Guarantee after_____ i.e. (the present date of validity of Bank Guarantee unless the date of

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

validity of this Bank Guarantee is further extended from time to time, as the case may be) unless a notice of the claim under this Guarantee has been served on the Guarantor before the expiry of the said period in which case the same shall be enforceable against the Guarantor notwithstanding the fact that the same is enforced after the expiry of the said period.

- (5) The Guarantor undertakes not to revoke this Guarantee during the period it is in force except with the previous consent of the Company in writing and agrees that any liquidation or winding up or insolvency or dissolution or any change in the constitution of the Contractor or the Guarantor shall not discharge the Guarantor's liability hereunder.
- (6) It shall not be necessary for the Company to proceed against the Contractor before proceeding against the Guarantor and the Guarantee herein contained shall be enforceable against them notwithstanding any security which the Company may have obtained or obtain from the Contractor shall at the time when proceedings are taken against the Guarantor hereunder be outstanding or unrealised.
- (7) Notwithstanding anything contained herein before, our liability under the Guarantee is restricted to Rs._____(Rupees_____). Our guarantee shall remain in force until _____, i.e. the present date of validity of Bank Guarantee unless the date of validity of this Bank Guarantee is further extended from time to time. Unless a claim or demand under this guarantee is made against us on or before-----, we shall be discharged from our liabilities under this Guarantee thereafter.
- (8) Any claim or dispute arising under the terms of this document shall only be enforced or settled in the courts at Delhi only.
- (9) The Guarantor hereby declares that it has power to execute this Guarantee under its Memorandum and Articles of Association and the executant has full powers to do so on its behalf under the Power of Attorney dated_____ (To be incorporated by the Bank) granted to him by the proper authorities of the Guarantor.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

IN WITNESS whereof the _____(Bank) has hereunto set and subscribed its hand the day, month and year first, above written.

(Name of the Bank)

Signed for and on behalf of the Bank
(Designation of the Authorized Person Signing the Guarantee)

(Signatory No.-----)

DATED:
SEAL

Notes:

1. The BG shall be executed on non-judicial stamp papers of adequate value procured in the name of the Bank in the State where the Bank is located.
2. The BG is required to be sent by the executing Bank directly to BHEL at the address where tender is submitted / accepted, under sealed cover.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XXVIII

BANK GUARANTEE FOR INTEREST FREE REFUNDABLE ADVANCE

(To be stamped in accordance with Stamp Act of India)

Bank Guarantee No:

Date:.....

To,
NAME
& ADDRESSES OF THE BENEFICIARY

Dear Sirs,

This deed of Guarantee made this _____ day of _____ two thousand _____ by < Name and Address of Bank > hereinafter called the "The Guarantor" (which expression shall unless repugnant to the context or meaning thereof be deemed to include its successors and assigns) in favour of M/S Bharat Heavy Electricals Limited a Company incorporated under the Companies Act, 1956, having its registered office at BHEL House, Siri Fort, New Delhi - 110049 through its unit _____, hereinafter called "The Company" (which expression shall unless repugnant to the context or meaning thereof be deemed to include its successors and assigns).

WHEREAS M/s. _____ (hereinafter referred to as the Contractor) have entered into a Contract arising out of Letter of Award no. _____ dtd _____ (hereinafter referred to as "the Contract") for the < Name of work > with the Company.

AND WHEREAS the Contract inter-alia provides that the Company will pay to the Contractor interest free advance of Rs. _____ (Rupees _____ only) on certain terms and conditions specified in the Contract subject to the Contractor furnishing a Bank Guarantee for Rs. _____ (Rupees _____ only) in favour of the Company.

AND WHEREAS the Company has agreed to accept a Bank Guarantee from a Bank to cover the said advance.

AND WHEREAS the Contractor has approached the Guarantor and in consideration of the arrangement arrived at between the Contractor and the Guarantor, the Guarantor has agreed to give the Guarantee as hereinafter mentioned in favour of the Company.

NOW THIS DEED WITNESSES AS FOLLOWS:-

(1) In consideration of the Company having agreed to advance a sum of Rs. _____ (Rupees _____ only) to the Contractor, the Guarantor do hereby guarantee the due recovery by the Company of the said advance thereon as provided according to the terms and conditions of the Contract. If the said Contractor fails to utilize the said advance for the purpose of the Contract and /or the said advance is not fully recovered by the Company the Guarantor do hereby unconditionally and irrevocably undertake to pay to the Company without demur and merely on a demand, to the extent of the said sum of Rs. _____ (Rupees _____ only) any claim made by the Company on them for the loss or damage caused to or suffered by the Company by reasons of the Company not being able to recover in full the advance as aforesaid.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

- (2) The decision of the Company whether the Contractor has failed to utilize the said advance or any part thereof for the purpose of the Contract and / or as to the extent of loss or damage caused to or suffered by the Company by reason of the Company not being able to recover in full the said sum of Rs._____ shall be final and binding on the Guarantor, irrespective of the fact whether the Contractor admits or denies the default or questions the correctness of any demand made by the Company in any Court Tribunal or Arbitration proceedings or before any other Authority.
- (3) The Company shall have the fullest liberty without affecting in any way the liability of the Guarantor under this Guarantee, from time to time to vary any of the terms and conditions of the Contract or extend time of performance by the Contractor or to postpone for any time and from time to time any of the powers exercisable by it against the Contractor and either enforce or forebear from enforcing any of the terms and conditions governing the Contract or securities available to the Company and the Guarantor shall not be released from its liability under these presents by any exercise by the Company of the liberty with reference to the matters aforesaid or by reasons of time being given to the Contractor or any other forbearance, act or commission on the part of the Company or any indulgence by the Company to the Contractor or of any other matter or thing whatsoever which under the law relating to sureties would, but for this provision have the effect of so releasing the Guarantor from its liability under this guarantee.
- (4) The Guarantor further agrees that the Guarantee herein contained shall remain in full force and effect during the period till the Company discharges this Guarantee, subject to however, that the Company shall have no claim under this Guarantee after_____ i.e. (the present date of validity of Bank Guarantee unless the date of validity of this Bank Guarantee is further extended from time to time, as the case may be) unless a notice of the claim under this Guarantee has been served on the Guarantor before the expiry of the said period in which case the same shall be enforceable against the Guarantor notwithstanding the fact that the same is enforced after the expiry of the said period.
- (5) The Guarantor undertakes not to revoke this Guarantee during the period it is in force except with the previous consent of the Company in writing and agrees that any liquidation or winding up or insolvency or dissolution or any change in the constitution of the Contractor or the Guarantor shall not discharge the Guarantor's liability hereunder.
- (6) It shall not be necessary for the Company to proceed against the Contractor before proceeding against the Guarantor and the Guarantee herein contained shall be enforceable against them notwithstanding any security which the Company may have obtained or obtain from the Contractor shall at the time when proceedings are taken against the Guarantor hereunder be outstanding or unrealized.
- (7) Notwithstanding anything contained herein before, our liability under the Guarantee is restricted to Rs._____(Rupees_____). Our guarantee shall remain in force until _____, i.e. the present date of validity of Bank Guarantee unless the date of validity of this Bank Guarantee is further extended from time to time. Unless a claim or demand under this guarantee is made against us on or before-----, we shall be discharged from our liabilities under this Guarantee thereafter.
- (8) Any claim or dispute arising under the terms of this document shall only be enforced or settled in the courts at Delhi only.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

(9) The Guarantor hereby declares that it has power to execute this Guarantee under its Memorandum and Articles of Association and the executant has full powers to do so on its behalf under the Power of Attorney dated _____ (To be incorporated by the Bank) granted to him by the proper authorities of the Guarantor.

IN WITNESS whereof the _____(Bank) has hereunto set and subscribed its hand the day, month and year first, above written.

(Name of the Bank)

Signed for and on behalf of the Bank
(Designation of the Authorized Person Signing the Guarantee)

(Signatory No.-----)

DATED:

SEAL

=====

Notes :

1. The BG shall be executed on non-judicial stamp papers of adequate value procured in the name of the Bank in the State where the Bank is located.
2. The BG is required to be sent by the executing Bank directly to BHEL at the address where tender is submitted / accepted, under sealed cover.



ANNEXURE- XXIX

LIST OF CONSORTIUM BANK

Sl. No.	NAME OF THE BANK
1	State Bank of India
2	Canara Bank
3	IDBI Bank Limited
4	ICICI Bank Limited
5	HDFC Bank Limited
6	Axis Bank
7	IndusInd Bank Limited
8	Bank of Baroda
9	Exim Bank
10	Indian Bank
11	Punjab National Bank
12	Union Bank of India
13	Yes Bank Limited
14	RBL Bank Ltd.
15	Indian Overseas Bank
16	Kotak Mahindra Bank Limited
17	Federal Bank Limited
18	Hongkong and Shanghai Banking Corporation Ltd

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XXX
ANALYSIS OF UNIT RATES QUOTED

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

Offer Reference No:.....

Date:.....

To,

_____ (Write Name and Designation of Officer of BHEL inviting the Tender);

Bharat Heavy Electricals Limited,
Central Procurement Cell (CPC), 8th Floor, BHEL SADAN,
Plot No. 25, Sector-16A, Noida, U.P.-201301

Dear Sir,

Sub : Analysis of Unit Rates Quoted

Ref: Tender Specification No:

Analysis of Unit Rates quoted by us in respect of above Tender is as detailed

Sl. No.	DESCRIPTION	% OF QUOTED RATE	REMARKS
01	PERMANENT FACILITIES (SUCH AS ROADS DRAINS, SHEDS, LIGHTING POLES & GATES ETC.)		
02	T&P DEPRECIATION & MAINTENANCE		
03	RAW MATERIAL COST – STEEL		
04	SALARY AND WAGES + RETRENCHMENT BENEFITS		
05	CONSUMABLES (ELECTRODE, PAINT ETC.)		
06	OTHER COST INCL. NDT, ELECTRICITY, WATER OTHER INFRASTRUCTURE. ETC.		
07	ESTABLISHMENT & ADMINISTRATIVE EXPENSES (INCL. STATUTORY)		
08	OVERHEADS		
09	PROFIT		
	TOTAL	100%	

Yours faithfully,

Date:

(Signature, Date & Seal of Authorized Representative of the Bidder) Place:

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XXXI
CAPACITY EVALUATION OF BIDDERS FOR CURRENT TENDER

SL. NO.	DESCRIPTION OF WORK (Similar to Tendered Scope)	WORK ORDER REF & DATE	CONTRACT VALUE (Rs. LACS)	CUSTOMER NAME & ADDRESS	CURRENT STATUS OF THE JOB ALONG WITH LATEST MILE STONE COMPLETED	%AGE OF WORK COMPLETED	VALUE OF BALANCE WORK (Rs. Lacs)
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

NOTES:

1. BIDDERS ARE REQUIRED TO FURNISH ALL THE JOBS OF SIMILAR NATURE WHICH THEY ARE EXECUTING (IN PROGRESS) AT THE TIME OF SUBMISSION OF TENDER, AS PER ABOVE FORMAT.
2. BIDDERS HEREBY UNDERTAKE THAT THEY HAVE FURNISHED THE DETAILS SOUGHT AS PER POINT NO. 1 IN TOTALITY AND THAT THE DETAILS FURNISHED IS COMPLETE IN ALL RESPECT.
3. BHEL WILL TAKE APPROPRIATE ACTION AS DEEMED FIT , IN CASE, IT IS FOUND AT A LATER DATE THAT THE CONTRACTOR HAD SUPPRESSED THE FACTS AND HAVE NOT FURNISHED THE CORRECT & COMPLETE INFORMATIONS.

Date:

Place:

(Signature Name, Designation & Seal of Bidder)

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XXXII
CONTRACT AGREEMENT

BHARAT HEAVY ELECTRICALS LIMITED
 (A Government of India Undertaking)
 Central Procurement Cell
8th Floor, BHEL SADAN,
 Plot No. 25, Sector-16A, Noida, U.P.-201301

AGREEMENT NO. _____

NAME OF WORK	
NAME OF THE CONTRACTOR WITH FULL ADDRESS	
VALUE OF WORK AWARDED	
LETTER OF AWARD NO.	
TIME ALLOTTED FOR COMPLETING THE WORK (DATE OF COMPLETION)	

SIGNATURE OF CONTRACTOR

(SIGNATURE OF BHEL OFFICER)

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

CONTRACT AGREEMENT

THIS AGREEMENT MADE THIS _____ DAY OF _____ between BHARAT HEAVY ELECTRICALS LIMITED (A Government of India Enterprise) a Company incorporated under the Companies Act, 1956, having its Registered Office at BHEL House, Siri Fort New Delhi- 110049 (herein after called BHEL) of the ONE PART.

AND

M/s _____ (hereinafter called the 'Contractor') of the SECOND PART.

WHEREAS M/s -----state that they have acquired and possess extensive experience in the field of -----And Whereas in response to an Invitation to Tender No. ----- issued by BHEL for execution of - ----- the contractor submitted their offer No.----- dated ----- And whereas BHEL has accepted the offer of the Contractor on terms and conditions specified in the Letter of Award No.-----dated -----read with the references cited therein.

THIS AGREEMENT WITNESSES AND it is hereby agreed by and between the parties as follows:

1. That the contractor shall execute the work of -----and more particularly described in Tender Specification No -----including Drawings and Specifications (hereinafter called the said works) in accordance with and subject to terms and conditions contained in these presents, instructions to Tenderers, General Conditions of Contract, Special Conditions, Annexures, Letter of Award dated -----and such other instructions, Drawings, Specifications given to him from time to time by BHEL.
2. The Contractor is required to furnish to BHEL Security deposit in the form of cash/ approved securities/ Bank Guarantee valid upto ----- for a sum of Rs.----- towards satisfactory performance and completion of the Contract.
3. The Contractor has furnished to BHEL Security Deposit in the following form;
 - a) Cash portion of EMD of Rs.----- submitted vide _____ has been retained as part of SD.
 - b) Rs. _____ in the form of cash/ approved Securities.
 - c) Bank Guarantee bearing no.-----dated -----for a sum of Rs.-----executed by ----- in favour of BHEL towards Security Deposit valid up to -----
4. The Contractor hereby agrees to extend the validity of the Bank Guarantee for such further period or periods as may be required by BHEL and if the Contractor fails to obtain such extension(s) from the Bank, the Contractor, shall pay forthwith or accept recovery of Rs.----- from the bills in one installment and the contractor further agrees that failure to extend the validity of the Bank Guarantee or failure to pay the aforesaid amount in the manner specified above shall constitute breach of contract. In addition to above, BHEL shall be entitled to take such action as deemed fit and proper for recovering the said sum of Rs.-----

OR

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

In case the contractor furnishes the bank guarantee at a later date the contractor hereby agrees to extend the validity of bank guarantee for such further period or periods as may be required by BHEL and if the contractor fails to obtain such extension(s) from the bank, the contractor shall pay forthwith or accept recovery of the amount of bank guarantee given in lieu of security deposit from the bills in one installment and the contractor further agrees that failure to extend the validity of bank guarantee or failure to pay the aforesaid amount in the manner specified above shall constitute breach of contract. In addition to above, BHEL shall be entitled to take such action as deemed fit and proper for recovering the said sum.

5. That in consideration of the payments to be made to the Contractor by BHEL in accordance with this Agreement the Contractor hereby covenants and undertakes with BHEL that they shall execute, construct, complete the works in conformity, in all respects, with the terms and conditions specified in this Agreement and the documents governing the same.
6. That the Contractor shall be deemed to have carefully examined this Agreement and the documents governing the same and also to have satisfied himself as to the nature and character of the Works to be executed by him.
7. That the Contractor shall carry out and complete the execution of the said works to the entire satisfaction of the Engineer or such other officer authorized by BHEL, within the agreed time schedule, the time of completion being the essence of the Contract.
8. That BHEL shall, after proper scrutiny of the bills submitted by the Contractor, pay to him during the progress of the said works such sum as determined by BHEL in accordance with this Agreement.
9. That this Agreement shall be deemed to have come into force from ----- the date on which the letter of Award has been issued to the Contractor.
10. That whenever under this contract or otherwise, any sum of money shall be recoverable from or payable by the Contractor, the same may be deducted in the manner as set out in the General Conditions of Contract or other conditions governing this Agreement.
11. That all charges on account of Octroi, Terminal and other taxes including sales tax or other duties on material obtained for execution of the said works shall be borne and paid by the Contractor.
12. That BHEL shall be entitled to deduct from the Contractor's running bills or otherwise Income Tax as per prevailing Income Tax Act.
13. That BHEL shall be further entitled to recover from the running bills of the Contractor or otherwise such sum as may be determined by BHEL from time to time in respect of consumables supplied by BHEL, hire charges for tools and plants issued (Where applicable) and any other dues owed by the Contractor.
14. That it is hereby agreed by and between the parties that non- exercise, forbearance or omission of any of the powers conferred on BHEL and /or any of its authorities will not in any manner constitute waiver of the conditions hereto contained in these presents and the liability of the Contractor with respect to compensation payable to BHEL or Contractor's obligations shall remain unaffected.
15. It is clearly understood by and between the parties that in the event of any conflict between the Letter of Award and other documents governing this Agreement, the provisions in the Letter of Award shall prevail.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

16. The following documents

- a) Invitation to Tender No----- and the documents specified therein.
- b) Contractor's Offer No----- dated-----
- c) _____
- d) _____
- e) _____
- f) Letter of Award No_____ dated_____
- g) _____

shall also form part of and govern this Agreement.

IN WITNESS HEREOF, the parties hereto have respectively set their signatures in the presence of

WITNESS

1.

2.

(CONTRACTOR)
(to be signed by a person holding
a valid Power of Attorney)

WITNESS

1.

2.

(For and on behalf of BHEL)

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XXXIII

 PS-	MONTHLY PLAN & REVIEW WITH CONTRACTOR	Form No: F-14 (Rev 01) Page 112 of 6

Name of Project		Contract No.	
Name of Work:		Name of Contractor:	

PART- A: PLAN/ REVIEW OF WORK FOR THE MONTH OF Date of Plan/ Review.....

SN.	Description of Work	Unit of Measurement	Unit Rate	Planned		Cumulative Shortfall attributable to contractor upto last month (Refer Note 1)		Achieved		Shortfall attributable to BHEL w.r.t Plan (as per Col. 3 of Part-D)		Cumulative Shortfall attributable to Contractor upto & including this month		REMARKS (Reasons for Shortfall attributable to Contractor. Supporting documents to be kept as record.)
				(QTY Planned for the month as per Part –C of last month)								E=A+B-C-D		
(a)	(b)	(c)	(d)	A		B		C		D				
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	
	Value of Other Items not mentioned above but planned to be executed in this month													
Total				ΣA		ΣB		ΣC		ΣD		ΣE		

Note 1: In addition to the work planned as per Col. 'A', Contractor shall also make full efforts to minimize the 'Cumulative shortfall attributable to contractor upto the month' as mentioned in Col. 'B' by enhancing its resources, so as to achieve the completion of activities as per agreed schedule. In case contractor is not able to execute the entire shortfall, then BHEL 'Engineer in-charge', shall decide the priority of work to be executed and it shall be binding on the contractor.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

 PS-	MONTHLY PLAN & REVIEW WITH CONTRACTOR	Form No: F-14 (Rev 01) Page 2 of 6

Name of Project		Contract No.	
Name of Work:		Name of Contractor:	

Note 2: Percentage Shortfall attributable to contractor w.r.t. "Plan - Shortfall attributable to BHEL" for the month = $\frac{(\sum E - \sum B)}{(\sum A - \sum D)} \times 100$

In case, $(\sum E - \sum B)$ is negative, then it shall be treated as zero percent."

Note 3: Form 14 should include all items being planned in the current month, and all items against which shortfall was attributable to contractor till previous month. However, for practical reason, if it is not possible to mention some of the items in Form-14 being planned to be executed in this month, then also value of such items shall necessarily be included in calculation of Total Value.

Note 4: In case reason for shortfall attributable to contractor is w.r.t. T&P and Manpower, it should be in conformity with Part B1 and B2.

BHEL
(Sign with name, designation and date)

CONTRACTOR
(Sign with name, designation and date)

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

 PS-	MONTHLY PLAN & REVIEW WITH CONTRACTOR	Form No: F-14 (Rev 01) Page 3 of 6

Name of Project		Contract No.	
Name of Work:		Name of Contractor:	

PART – B-1: PLAN/REVIEW OF DEPLOYMENT OF MAJOR T&Ps FOR THE MONTH OF

Date of Plan/Review.....

CONTRACTOR'S SCOPE: -

SN.	PLAN				DEPLOYMENT STATUS			
	Major T&P to be deployed as per work planned for the month	QTY	Deployment Period (in days)	Weightage assigned to planned T&P (in fraction such that $\Sigma C = 1$)	Actual Deployed Quantity	Actual Deployment Period (in days)	Weighted T&P Deployed	REMARKS (Works affected due to non-deployment of T&Ps)
		A	B	C	D	E	$F = (C \times D \times E) / (A \times B)$	

Note: In case, $E > B$, it shall be considered as $E = B$. Similarly, in case $D > A$, it shall be considered as $D = A$.

$$\text{Percentage of T\&P Deployed} = \Sigma F \times 100$$

BHEL SCOPE: -

SN.	PLAN			DEPLOYMENT STATUS		
	Major T&P to be deployed as per work planned for the month	QTY	Deployment Period (in days)	Actual Deployed Quantity	Actual Deployment Period (in days)	REMARKS (Works affected due to non-deployment of T&Ps)

BHEL
(Sign with name, designation and date)

CONTRACTOR
(Sign with name, designation and date)

	CENTRAL PROCUREMENT CELL (CPC) <i>PURCHASE DEPARTMENT</i>	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

 PS-	MONTHLY PLAN & REVIEW WITH CONTRACTOR	Form No: F-14 (Rev 01) Page 4 of 6

Name of Project		Contract No.	
Name of Work:		Name of Contractor:	

PART – B-2: PLAN/ REVIEW OF DEPLOYMENT OF MANPOWER FOR THE MONTH OF

Date of Plan/ Review.....

CONTRACTOR'S SCOPE: -

SN.	Area of Work	Category of Labour	No. of Labour required as per category	Deployment Period (in days)	No. of Labour actually deployed	Actual Deployment Period (in days)	REMARKS (Works affected due to non-availability of labour)
			A	B	C	D	

Percentage of Manpower Deployed= $100 \times \Sigma(C \times D) / \Sigma(A \times B)$

BHEL
(Sign with name, designation and date)

CONTRACTOR
(Sign with name, designation and date)

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

 PS-	MONTHLY PLAN & REVIEW WITH CONTRACTOR	Form No: F-14 (Rev 01) Page 5 of 6

Name of Project		Contract No.	
Name of Work:		Name of Contractor:	

PART – C: PLAN(PHYSICAL) FOR THE NEXT MONTH i.e.
Date of Plan

SN.	Descr iption of work	Original Planned Quantity	Planned Quantity (excluding shortfalls attributab le to contracto r till date)	Unit of Measu rement	T&Ps Required				Manpower Required		REMARKS (Reasons for difference in Original Planned Quantity w.r.t. Planned quantity to be given)
					Contractor Scope		BHEL Scope		Catego ry of Labo ur	No. of Labour require d as per Catego ry	
					Major T&P to be deployed as per work planned for the month	Qty.	Major T&P to be deployed as per work planned for the month	Qty.			

Note 1: Planned quantity should be based on available/ expected fronts/ inputs in the next month

Note 2: "Original Planned Quantity" shall be as per latest jointly agreed programme between BHEL and Contractor before commencement of work or at the time of latest Time Extension, as the case may be.

BHEL
(Sign with name, designation and date)

CONTRACTOR
(Sign with name, designation and date)

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

 PS-	MONTHLY PLAN & REVIEW WITH CONTRACTOR	Form No: F-14 (Rev 01) Page 6 of 6

Name of Project		Contract No.	
Name of Work:		Name of Contractor:	

PART – D: REASONS FOR SHORTFALL ATTRIBUTABLE TO BHEL IN RESPECT OF PLAN FOR THE MONTH.....

SN.	Description of Work (from Part-A)	Quantities Affected		Reasons for Shortfall attributable to BHEL	Agency responsible for reasons for Shortfall	Remarks (Supporting Documents in respect of agency responsible)
		(Physical Quantity)	Unit of Measurement			
1	2	3	4	5	6	7

Note1: Reasons for shortfall shall include non-availability of fronts/ drawings/ materials/ T&P (BHEL Scope)/ clearances etc. and other hindrances for which contractor is not responsible.

Note2: Agency responsible may be BHEL Site/ MUs/ Design Centre/ BHEL Customer/ other Contractors etc.

BHEL
(Sign with name, designation and date)

	CENTRAL PROCUREMENT CELL (CPC) <i>PURCHASE DEPARTMENT</i>	GENERAL CONDITIONS OF CONTRACT (GCC)	<i>ANNEXURES</i>

ANNEXURE – XXXIV

MONTHLY PERFORMANCE EVALUATION OF CONTRACTOR

MONTHLY PERFORMANCE EVALUATION OF CONTRACTOR SHALL BE DONE BASED ON THE PARAMETERS FINALIZED BY BHEL DURING EXECUTION OF CONTRACT.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XXXV

INDEMNITY BOND

(To be executed on a Non Judicial Stamp Paper of the requisite value as per Stamp Duty prevalent in the respective State)

This Indemnity Bond executed by <name of company> having their Registered Office at <xxxxxxxxxx> in favour of M/s Bharat Heavy Electricals Limited, a Company incorporated under the Companies Act, 1956, having its Registered Office at BHEL House, Siri Fort, Asiad, New Delhi - 110049 through its Unit at _____ (Hereinafter referred to as the Company)

And whereas the Company has entered into a Contract with M/s xxxxxxxxx, the executants of this Deed (hereinafter referred to as the Contractor) as its contractor in respect of the work of "xxxxxxxxxxxxxxxxxxxxxxxxxxxx".

AND WHEREAS under the provisions of GCC further stipulates that the Contractor shall indemnify the Company against all claims of whatever nature arising during the course of execution of Contract including defects liability period of <xx Months> i.e till <xx xx xxxx>

Now this deed witness that in case the Company is made liable by any Authority including Court to pay any claim or compensation etc. in respect of all labourers or other matters at any stage under or relating to the Contract with the Contractor, the Contractor hereby covenants and agrees with the Company that they shall indemnify and reimburse the Company to the extent of such payments and for any fee, including litigation charges, lawyers' fees, etc, penalty or damages claimed against the Company by reason of the Contractor falling to comply with Central/States Laws, Rules etc, or his failure to comply with Contract (including all expenses and charges incurred by the Company).

The Contractor further indemnifies the Company for the amount which the Company may be liable to pay by way of penalty for not making deductions from the Bills of the Contractor towards such amount and depositing the same in the Government Treasury.

The Contractor further agree that the Company shall be entitled to withhold and adjust the Security Deposit and/or withhold and adjust payment of Bills of Contractor pertaining to this Contract against any payment which the Company has made or is required to make for which the Contractor is liable under the Contract and that such amount can be withheld, adjusted by the Company till satisfactory and final settlement of all pending matters and the Contractor hereby gives his consent for the same.

The Contractor further agrees that the terms of indemnity shall survive the termination or completion of this contract.

	CENTRAL PROCUREMENT CELL (CPC) <i>PURCHASE DEPARTMENT</i>	GENERAL CONDITIONS OF CONTRACT (GCC)	<i>ANNEXURES</i>

The contractor further agrees that the liability of the contractor shall be extended on actual basis notwithstanding the limitations of liability clause, in respect of :

1. breach of terms of contract by the contractor
2. breach of laws by the contractor
3. breach of Intellectual property rights by the contractor
4. breach of confidentiality by the contractor

Nothing contained in this deed, shall be construed as absolving or limiting the liability of the Contractor under said Contract between the Company and the Contractor. That this Indemnity Bond is irrevocable and the condition of the bond is that the Contractor shall duly and punctually comply with the terms and the conditions of this deed and contractual provisions to the satisfaction of the Company.

In witness where of M/s xxxxxxxxxxxxxx these presents on the day, month and year first, above written at xxxxxxxx by the hand of its signatory Mr. xxxxxxxxxxxx.

Signed for and on behalf of
M/s xxxxxxxxxxxxxxxx

Witness:

- 1.
- 2.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

ANNEXURE – XXXVI

CONSORTIUM AGREEMENT

(To be executed on a Non Judicial Stamp Paper of the requisite value as per Stamp Duty prevalent in the respective State)

THIS AGREEMENT is made and executed on this _____ day of _____, by and between (1) M/s _____, (The First Party, i.e, the Bidder) a company incorporated under the Company's Act 1956, having its registered office at _____(herein after called the "Bidder", which expression shall include its' successors, administrators, executors and permitted assigns) and (2) M/s _____, (The Second Party, i.e, the associates), a company incorporated under the Company's Act 1956, having its registered office at _____ (herein after called the "Associates", which expression shall include its' successors, administrators, executors and permitted assigns). WHEAEAS the Owner, Bharat Heavy Electricals Ltd, a Government of India Undertaking, proposes to issue / issued an NIT (herein after referred to as the said NIT) inviting bids from the individual Bidders for undertaking the work of _____ at _____ (herein after referred to as the said works).

WHEREAS the said NIT enables submission of a bid by a Consortium subject to fulfillment of the stipulations specified in the said NIT.

AND WHEREAS M/s _____ (The First Party, i.e, the Bidder) will submit its proposal in response to the aforesaid invitation to bid by the Owner for _____ as detailed in the Bid doc. no. < TENDER REF----->

AND WHEREAS M/s _____ (The First Party, i.e the Bidder) itself is meeting all the qualifying requirements except the qualifying requirements of _____(as detailed in the NIT) and in order to fully meet the qualifying requirements of NIT, this tie-up agreement is being entered into with M/s _____ (The Second Party, the Associates) , who fully meet the balance part of the said works (_____).

WHEREAS the First Party and the Second Party are contractors engaged in the business of carrying out various items of works. WHEREAS the two parties have agreed to constitute themselves into a consortium for the purpose

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

of carrying out the said works, and that the consortium will be continued till the completion of the works in all respects.

WHEREAS the parties have agreed to certain terms and conditions in this regard:

NOW THEREFORE THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. First and Second parties hereby constitute themselves into a Consortium for the purpose of bidding and undertaking the said works pursuant to the said NIT as hereinafter stated.
2. The First Party will be the leader (Lead Partner) and will be responsible for the entire works.

CONSORTIUM AGREEMENT

3. The First Party shall undertake the following part(s) of work detailed in the NIT namely

4. The Second Party shall undertake the following part(s) of work detailed in the said NIT namely

5. The parties hereby declare and confirm that each of them will fulfill the required minimum qualifying requirements as prescribed in the said NIT for the works agreed to be undertaken by them as stated here-in-above.

6. It is also agreed between the parties hereto that all of them shall be individually and severally responsible for the completion of the said works as per the schedule. Further, if the Employer/Owner sustains any loss or damage on account of any breach of the Contracts, we the, Consortium partners individually and severally undertake to promptly indemnify and pay such losses / damages caused to the Employer/Owner on its written demand without any demur, reservation, contest or protest in any manner whatsoever.

7. The parties hereby agree and undertake that they shall provide adequate finances, suitable Tools, Plants, Tractors, Trailers, other transportation equipment, other Tools & Plants, Measuring & Monitoring Equipments

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

(MMEs), Men and Machinery etc. for the proper and effective execution of the works to be undertaken by them as specified here-in-above.

8. It is agreed interse between the parties hereto that all the consequences liabilities etc., arising out of any default in the due execution of the said works shall be borne by the party in default, that is by party in whose area of works default has occurred, provided however, so far as M/s Bharat Heavy Electricals Limited is concerned, all the parties shall be liable jointly and severally.

IN WITNESS HEREOF the parties above named have signed this agreement on the day month and year first above written at _____(Place).

WITNESS

For

1. NAME

(FIRST PARTY)

2. OFFICIAL ADDRESS

WITNESS

For

1. NAME

(SECOND PARTY)

2. OFFICIAL ADDRESS

[The successful bidder shall have to execute the "JOINT DEED OF UNDERTAKING" in the format to be made available by BHEL at the time of awarding.]

	CENTRAL PROCUREMENT CELL (CPC) <i>PURCHASE DEPARTMENT</i>	GENERAL CONDITIONS OF CONTRACT (GCC)	<i>ANNEXURES</i>

ANNEXURE – XXXVII

PROCEDURE FOR CONDUCT OF CONCILIATION PROCEEDINGS

1. The proceedings of Conciliation shall broadly be governed by Part-III of the Arbitration and Conciliation Act 1996 or any statutory modification thereof and as provided herein:
2. The party desirous of resorting to Conciliation shall send an invitation/notice in writing to the other party to conciliate specifying all points of Disputes with details of the amount claimed. The party concerned shall not raise any new issue thereafter. Parties shall also not claim any interest on claims/counter-claims from the date of notice invoking Conciliation till the conclusion of the Conciliation proceedings. If BHEL is to initiate Conciliation, then, the invitation to Conciliate shall be extended to the concerned Stakeholder in **Format-2** hereto. Where the stakeholder is to initiate the Conciliation, the notice for initiation of Conciliation shall be sent in **Format-3** hereto.
3. The party receiving the invitation/notice for Conciliation shall within 30 days of receipt of the notice of Conciliation intimate its consent for Conciliation along with its counter-claims, if any.
4. The Conciliation in a matter involving claim or counter-claim (whichever is higher) up to Rs 5 crores shall be carried out by sole Conciliator nominated by BHEL while in a matter involving claim or counter-claim (whichever is higher) of more than Rs 5 crores Conciliation shall be carried out by 3 Conciliators nominated by BHEL. The appointment of Conciliator(s) shall be completed and communicated by the concerned Department/Group of BHEL Unit/Division/Region/Business Group to the other party and the Conciliator(s) within 30 days from the date of acceptance of the invitation to conciliate by the concerned party in the **Format-4**. The details of the Claim, and counter-claim, if any, shall be intimated to the Conciliator(s) simultaneously in **Format-1**.
5. The Parties shall be represented by only their duly authorized in-house executives/officers and neither Party shall be represented by a Lawyer.
6. The first meeting of the IEC shall be convened by the IEC by sending appropriate communication/notice to both the parties as soon as possible but not later than 30 days from the date of his/their appointment. The hearings in the Conciliation proceeding shall ordinarily be concluded within two (2) months and, in exceptional cases where parties have expressed willingness to settle the matter or there exists possibility of settlement in the matter, the proceedings may be extended by the IEC by a maximum of further 2 months with the consent of the Parties subject to cogent reasons being recorded in writing.
7. The IEC shall thereafter formulate recommendations for settlement of the Disputes supported by reasons at the earliest but in any case within 15 days from the date of conclusion of the last hearing. The recommendations so formulated along with the reasons shall be furnished by the IEC to both the Parties at the earliest but in any case within 1 month from the date of conclusion of the last hearing.
8. Response/modifications/suggestions of the Parties on the recommendations of the IEC are to be submitted to the IEC within time limit stipulated by the IEC but not more than 15 days from the date of receipt of the recommendations from the IEC.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

9. In the event, upon consideration, further review of the recommendations is considered necessary, whether by BHEL or by the other Party, then, the matter can be remitted back to the IEC with request to reconsider the same in light of the issues projected by either/ both the Parties and to submit its recommendations thereon within the following 15 days from the date of remitting of the case by either of the Parties.
10. Upon the recommendations by the Parties, with or without modifications, as considered necessary, the IEC shall be called upon to draw up the Draft Settlement Agreement in terms of the recommendations.
11. When a consensus can be arrived at between the parties only in regard to any one or some of the issues referred for Conciliation the draft Settlement Agreement shall be accordingly formulated in regard to the said Issue(s), and the said Settlement Agreement, if signed, by the parties, shall be valid only for the said issues. As regards the balance issues not settled, the parties may seek to resolve them further as per terms and conditions provided in the contract.
12. In case no settlement can be reached between the parties, the IEC shall by a written declaration, pronounce that the Conciliation between the parties has failed and is accordingly terminated.
13. Unless the Conciliation proceedings are terminated in terms of para 22 (b), (c) & (d) herein below, the IEC shall forward his/its recommendations as to possible terms of settlement within one (1) month from the date of last hearing. The date of first hearing of Conciliation shall be the starting date for calculating the period of 2 months
14. In case of 3 members IEC, 2 members of IEC present will constitute a valid quorum for IEC and meeting can take place to proceed in the matter after seeking consent from the member who is not available. If necessary, videoconferencing may be arranged for facilitating participation of the members. However, the IEC recommendations will be signed by all members. Where there is more than one (1) Conciliator, as a general rule they shall act jointly. In the event of differences between the Members of IEC, the decision/recommendations of the majority of the Members of IEC shall prevail and be construed as the recommendation of the IEC.
15. The Draft Settlement Agreement prepared by the IEC in terms of the consensus arrived at during the Conciliation proceedings between the Parties shall be given by the IEC to both the parties for putting up for approval of their respective Competent Authority.
16. Before submitting the draft settlement agreement to BHEL's Competent Authority viz. the Board Level Committee on Alternative Dispute Resolution (BLCADR) for approval, concurrence of the other party's Competent Authority to the draft settlement agreement shall be obtained by the other party and informed to BHEL within 15 days of receipt of the final draft settlement agreement by it. Upon approval by the Competent Authority, the Settlement Agreement would thereafter be signed by the authorized representatives of both the Parties and authenticated by the members of the IEC.
17. In case the Draft Settlement Agreement is rejected by the Competent Authority of BHEL or the other Party, the Conciliation proceedings would stand terminated.
18. A Settlement Agreement shall contain a statement to the effect that each of the person(s) signing thereto (i) is fully authorized by the respective Party (ies) he/she represents, (ii) has fully understood the contents of the same and (iii) is signing on the same out of complete freewill and consent, without any pressure, undue influence.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

19. The Settlement Agreement shall thereafter have the same legal status and effect as an arbitration award on agreed terms on the substance of the dispute rendered by an arbitral tribunal passed under section 30 of the Arbitration and Conciliation Act, 1996.
20. Acceptance of the Draft Settlement Agreement/recommendations of the Conciliator and/or signing of the Settlement Agreement by BHEL shall however, be subject to withdrawal/closure of any arbitral and/or judicial proceedings initiated by the concerned Party in regard to such settled issues.
21. Unless otherwise provided for in the agreement, contract or the Memorandum of Understanding, as the case may be, in the event of likelihood of prolonged absence of the Conciliator or any member of IEC, for any reason/incapacity, the Competent Authority/Head of Unit/Division/Region/Business Group of BHEL may substitute the Conciliator or such member at any stage of the proceedings. Upon appointment of the substitute Conciliator(s), such reconstituted IEC may, with the consent of the Parties, proceed with further Conciliation into the matter either de-novo or from the stage already reached by the previous IEC before the substitution.
22. The proceedings of Conciliation under this Scheme may be terminated as follows:
- On the date of signing of the Settlement agreement by the Parties; or,
 - By a written declaration of the IEC, after consultation with the parties, to the effect that further efforts at conciliation are no longer justified, on the date of the declaration; or,
 - By a written declaration of the Parties addressed to the IEC to the effect that the Conciliation proceedings are terminated, on the date of the declaration; or,
 - By a written declaration of a Party to the other Party and the IEC, if appointed, to the effect that the Conciliation proceedings are terminated, on the date of the declaration; or,
 - On rejection of the Draft Settlement Agreement by the Competent Authority of BHEL or the other Party.
23. The Conciliator(s) shall be entitled to following fees and facilities:

Sl. No.	Particulars	Amount
1	Sitting fees	Each Member shall be paid a Lump Sum fee of Rs 75,000/- for the whole case payable in terms of paragraph No. 27 herein below.
2	Towards drafting of settlement agreement	In cases involving claim and/or counter-claim of up to Rs 5crores. Rs 50,000/- (Sole Conciliator) In cases involving claim and/or counter-claim of exceeding Rs 5 crores but less than Rs 10 crores. Rs 75,000 (per Conciliator) In cases involving claim and/or counter-claim of more than Rs 10 crores. Rs 1,00,000/- (per Conciliator) Note: The aforesaid fees for the drafting of the Settlement Agreement shall be paid on the, Signing of the Settlement Agreement after approval of the Competent Authority or

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

		Rejection of the proposed Settlement Agreement by the Competent Authority of BHEL.
3	Secretarial expenses	Rs 10,000/- (one time) for the whole case for Conciliation by a Sole Member IEC. Where Conciliation is by multi member Conciliators –Rs 30,000/- (one time) - to be paid to the IEC.
4	Travel and transportation and stay at outstation i) Retired Senior Officials of other Public Sector Undertakings (pay scale wise equivalent to or more than E-8 level of BHEL)	As per entitlement of the equivalent officer (pay scale wise) in BHEL.
	Others	As per the extant entitlement of whole time Functional Directors in BHEL. Ordinarily, the IEC Member(s) would be entitled to travel by air Economy Class.
5	Venue for meeting	Unless otherwise agreed in the agreement, contract or the Memorandum of Understanding, as the case may be, the venue/seat of proceedings shall be the location of the concerned Unit / Division / Region / Business Group of BHEL. Without prejudice to the seat/venue of the Conciliation being at the location of concerned BHEL Unit / Division / Region / Business Group, the IEC after consulting the Parties may decide to hold the proceedings at any other place/venue to facilitate the proceedings. Unless, Parties agree to conduct Conciliation at BHEL premises, the venue is to be arranged by either Party alternately.

24. The parties will bear their own costs including cost of presenting their cases/evidence/ witness (es)/expert(s) on their behalf. The parties agree to rely upon documentary evidence in support of their claims and not to bring any oral evidence in IEC proceedings.
25. If any witness (es) or expert(s) is/are, with the consent of the parties, called upon to appear at the instance of the IEC in connection with the matter, then, the costs towards such witness (es)/expert(s) shall be determined by the IEC with the consent of the Parties and the cost so determined shall be borne equally by the Parties.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

26. The other expenditures/costs in connection with the Conciliation proceedings as well as the IEC's fees and expenses shall be shared by the Parties equally.
27. Out of the lump sum fees of Rs 75,000/- for Sitting Fees, 50% shall be payable after the first meeting of the IEC and the remaining 50% of the Sitting Fees shall be payable only after termination of the conciliation proceedings in terms of para 22 hereinabove.
28. The travelling, transportation and stay at outstation shall be arranged by concerned Unit as per entitlements as per Serial No. 4 of the Table at para 23 above, and in case such arrangements are not made by the BHEL Unit, the same shall be reimbursed to the IEC on actuals limited to their entitlement as per Serial No. 4 of the Table at Para 23 above against supporting documents. The IEC Member(s) shall submit necessary invoice for claiming the fees/reimbursements.
29. The Parties shall keep confidential all matters relating to the conciliation proceedings. Confidentiality shall extend also to the settlement agreement, except where its disclosure is necessary for purposes of its implementation and enforcement or as required by or under a law or as per directions of a Court/Governmental authority/ regulatory body, as the case may be.
30. The Parties shall not rely upon or introduce as evidence in any further arbitral or judicial proceedings, whether or not such proceedings relate to the Disputes that is the subject of the Conciliation proceedings:
 - a. Views expressed or suggestions made by the other party in respect of a possible settlement of the Disputes;
 - b. admissions made by the other party in the course of the Conciliator proceedings;
 - c. proposals made by the Conciliator;
 - d. The fact that the other Party had indicated his willingness to accept a proposal for settlement made by the Conciliator.
31. The Parties shall not present the Conciliator(s) as witness in any Alternative Dispute Resolution or Judicial proceedings in respect of a Disputes that is/was the subject of that particular Conciliation proceeding.
32. None of the Conciliators shall act as an arbitrator or as a representative or counsel of a Party in any arbitral or judicial proceeding in respect of a Disputes that is/was the subject of that particular Conciliation proceeding.
33. The Parties shall not initiate, during the Conciliation proceedings, any arbitral or judicial proceedings in respect of a Disputes that is the subject matter of the Conciliation proceedings except that a Party may initiate arbitral or judicial proceedings where, in his opinion, such proceedings are necessary for preserving his rights including for preventing expiry of period of limitation. Unless terminated as per the provisions of this Scheme, the Conciliation proceedings shall continue notwithstanding the commencement of the arbitral or judicial proceedings and the arbitral or judicial proceedings shall be primarily for the purpose of preserving rights including preventing expiry of period of limitation.
34. The official language of Conciliation proceedings under this Scheme shall be English unless the Parties agree to some other language.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

FORMAT-1

STATEMENT OF CLAIMS/COUNTER CLAIMS TO BE SUBMITTED TO THE IEC BY BOTH THE PARTIES

1. Chronology of the Disputes
2. Brief of the Contract/MoU/Agreement/LOI/LOA
3. Brief history of the Disputes:
4. Issues:
5. Details of Claim(s)/Counter Claim(s):

Sl. No.	Description of claim(s)/Counter Claim	Amount (in INR)Or currency applicable in the contract	Relevant contract clause

6. Basis/Ground of claim(s)/counter claim(s) (along with relevant clause of contract)

Note– The Statement of Claims/Counter Claims may ideally be restricted to maximum limit of 20 pages. Relevant documents may be compiled and submitted along with the statement of Claims/Counter Claims. The statement of Claims/Counter Claims is to be submitted to all IEC members and to the other party by post as well as by email.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

FORMAT-2

FORMAT FOR NOTICE INVOKING CONCILIATION CLAUSE BY BHEL FOR REFERRING THE DISPUTES TO CONCILIATION THROUGH IEC

To,

M/s. (Stakeholder's name)

Subject: **NOTICE FOR INVOCATION OF THE CONCILIATION CLAUSE OF THE CONTRACT BY BHEL**

Ref: Contract No../MoU/Agreement/LOI/LOA& date _____.

Dear Sir/Madam,

As you are aware, with reference to above referred Contract/MoU/Agreement/LOI/LOA, certain disputes have arisen, which, in spite of several rounds of mutual discussions and various correspondences have remained unresolved. The brief particulars of our claims which arise out of the above- referred Contract/MoU/Agreement/LOI/LOA are reproduced hereunder:

Sl. No.	Claim description	Amount involved

As you are aware, there is a provision in the captioned Contract/MoU/Agreement/LOI/ LOA for referring disputes to conciliation.

In terms of Clause -----of Procedure i.e., Annexure ----- to the Contract/MoU /Agreement / LOI / LOA, we hereby seek your consent to refer the matter to Conciliation by Independent Experts Committee to be appointed by BHEL. You are invited to provide your consent in writing to proceed with conciliation into the above mentioned disputes within a period of 30 days from the date of this letter along with details of counter-claims, if any, which you might have with regard to the subject Contract/ MoU/ Agreement/ LOI/ LOA.

Please note that upon receipt of your consent in writing within 30 days of the date of receipt of this letter by you, BHEL shall appoint suitable person(s) from the BHEL Panel of Conciliators.

This letter is being issued without prejudice to our rights and contentions available under the contract and law.

Thanking you.
Yours faithfully

Representative of BHEL

Note: The Format may be suitably modified, as required, based on facts and circumstances of the case.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

FORMAT-3

FORMAT FOR NOTICE INVOKING CONCILIATION CLAUSE BY A STAKEHOLDER FOR REFERRING THE DISPUTES TO CONCILIATION THROUGH IEC

To,
BHEL (Head of the Unit/Division/Region/Business Group)

Subject: **NOTICE FOR INVOCATION OF THE CONCILIATION CLAUSE OF THE CONTRACT BY A STAKEHOLDER**

Ref: Contract No../MoU/Agreement/LOI/LOA& date _____.

Dear Sir/Madam,

As you are aware, with reference to above referred Contract/MoU/Agreement/LOI/LOA, certain disputes have arisen, which, in spite of several rounds of mutual discussions and various correspondences have remained unresolved. The brief particulars of our claims which have arisen out of the above- referred Contract/MoU/Agreement/LOI/LOA are enumerated hereunder:

Sl. No.	Claim description	Amount involved

As you are aware, there is a provision in the captioned Contract/MoU/Agreement/LOI/ LOA for referring inter-se disputes of the Parties to conciliation.

We wish to refer the above-said disputes to Conciliation as per the said Clause of the captioned Contract/MoU/Agreement/LOI/ LOA. In terms of Clause -----of Procedure i.e., Annexure ----- to the Contract/MoU /Agreement / LOI / LOA, we hereby invite BHEL to provide its consent in writing to proceed with conciliation into the above mentioned disputes within a period of 30 days from the date of this letter along with details of counter-claims, if any, which it might have with regard to the subject Contract/ MoU/ Agreement/ LOI/ LOA and to appoint suitable person(s) as Conciliator(s) from the BHEL Panel of Conciliators.

This letter is being issued without prejudice to our rights and contentions available under the contract and law.

Thanking you
Yours faithfully

Representative of the Stakeholder

Note: The Format may be suitably modified, as required, based on facts and circumstances of the case.

	CENTRAL PROCUREMENT CELL (CPC) PURCHASE DEPARTMENT	GENERAL CONDITIONS OF CONTRACT (GCC)	ANNEXURES

FORMAT-4

FORMAT FOR INTIMATION TO THE STAKEHOLDER ABOUT APPOINTMENT OF CONCILIATOR/IEC

To,

M/s. (Stakeholder's name)

Subject: **INTIMATION BY BHEL TO THE STAKEHOLDER AND CONCILIATOR(S) ABOUT APPOINTMENT OF CONCILIATOR/IEC**

Ref: Contract No../MoU/Agreement/LOI/LOA& date _____.

Sir,

This is with reference to letter dated ----- regarding reference of the disputes arising in connection with the subject Contract No/MoU/Agreement/LOI/LOA to conciliation and appointment of Conciliator(s).

In pursuance of the said letter, the said disputes are assigned to conciliation and the following persons are nominated as Conciliator(s) for conciliating and assisting the Parties to amicably resolve the disputes in terms of the Arbitration & Conciliation Act, 1996 and the Procedure --- to the subject Contract/MoU/Agreement/LOI/LOA, if possible.

Name and contact details of Conciliator(s)

- a)
- b)
- c).....

You are requested to submit the Statement of Claims or Counter-Claims (strike off whichever is inapplicable) before the Conciliator(s) in Format 5 (enclosed herewith) as per the time limit as prescribed by the Conciliator(s).

Yours faithfully,

Representative of BHEL

CC: To Conciliator(s)... for Kind Information please.

Encl.: As above

Note: The Format may be suitably modified, as required, based on facts and circumstances of the case.

MAJOR HIGHLIGHTS OF THE TENDER

CPC TENDER NO. BHEL/CPC/PMX/KKN/FAC_FAB/26/001

BROAD SCOPE OF JOB: ESTABLISHMENT OF A FABRICATION SHOP TO SUPPLY FACTORY FINISHED STRUCTURES TO BHEL PROJECT SITES ACROSS INDIA.

For the purpose of award of this tender the modality is, based on BOQs, as described in clause 2.1 of TCC.

SL. NO.	HIGHLIGHTS / SALIENT POINTS	DESCRIPTION
1.	Pre-Bid Meeting with Interested Bidders (NIT Clause 1.0 (X))	1. Facilitate better understanding of the Project Requirements; 2. Clarifying any ambiguities in the bidding documents.
2.	Earnest Money Deposit (EMD) [NIT Clause 1.0 (vii) and GCC Clause 2.12]	2 Lakhs in Cash & Rs. 2.98 Crores in any other form as per clause no. 2.12 of Revised General Commercial Terms & Conditions of GCC (Volume-IC) - "Document No.: PS: CPC: MM: PUR: GCC: Rev02 Dated 07 March 2025; Amendment 01 Dated 16th May 2025". Changes in GCC are highlighted
3.	Price Variation Compensation (PVC) (TCC – Annexure B)	Revised PVC clause as per Annexure-B of Revised TCC. Changes are highlighted
4.	Quantity Variation	In line with clause no. 3.3 of Revised TCC.
5.	Duration of Contract	Zero date: Clause no. 3.1.5 of TCC Contract period: Clause 3.1.6 of TCC
6.	Performance Security	Annualized Performance Security. Refer Clause no 4.4
7.	Payment Terms	Refer. Chapter – IV of TCC.
8.	Interest Free Mobilization Advance	5% of Contract value – Refer Clause 2.41.1 of revised GCC
9.	Secured Advance Against Material Brought to Site	5% of Contract value – Refer Clause 2.41.3 of revised GCC
10.	Interest Bearing Advance	Refer Clause 2.41.2 of revised GCC
11.	Quantity Variation & Compensation	Refer clause 2.26 of revised GCC
12.	Reverse Auction (NIT Clause 15.0)	Applicable.
13.	Transit Insurance Detailed as per sl. no. 2.20.4 of Chapter II of TCC (Vol – IA).	Transit insurance from Factory to BHEL site shall be in the scope of BHEL.

MAJOR HIGHLIGHTS OF THE TENDER

CPC TENDER NO. BHEL/CPC/PMX/KKN/FAC_FAB/26/001

BROAD SCOPE OF JOB: ESTABLISHMENT OF A FABRICATION SHOP TO SUPPLY FACTORY FINISHED STRUCTURES TO BHEL PROJECT SITES ACROSS INDIA.

For the purpose of award of this tender the modality is, based on BOQs, as described in clause 2.1 of TCC.

SL. NO.	HIGHLIGHTS / SALIENT POINTS	DESCRIPTION
14.	Splitting of order	Refer. Clause 20 of NIT.
15.	Modality of award	Refer. Clause no. 8.2 of Chapter –VIII of TCC.
16.	Tentative Requirement for Factory for Fabrication of Steel Structures	Refer. Annex-A of TCC.

Note: The above is for reference only. Bidders are requested to go through the complete tender documents for preparation of their offer.