



Ref. Enquiry No.: PE/PG/RTC/E-6163/2019

Dated: 04.04.2019

TENDER ENQUIRY THROUGH E-PROCUREMENT

DUE DATE
16.04.2019
BY 14:00PM

SUBJECT: TENDER ENQUIRY FOR RATE CONTRACT OF CHAIN PULLEY BLOCK AS PER TECHNICAL SPECIFICATION NO. PE-TS-RC-563-A101

OUR REF: TENDER ENQUIRY NO: PE/PG/RTC/E-6163/2019, DTD-04.04.2019

Dear Sir/ Ma'am,

We are pleased to invite your offer for subject package in two parts strictly as per Clause-2.0 of the enclosed "Instructions to Bidders". Please upload your best quotation/ offer on <https://bhel.abcpocure.com> for the requirement strictly as per schedule of price format before above mentioned due date & time. The details of the tender enquiry are as mentioned below:

Sl. No	Description for which Rate Contract is desired	Tentative Quantity	Delivery required
1	CHAIN PULLEY BLOCK - Refer Technical specification no PE-TS-RC-563-A001 for detailed description.	As per BOQ cum price schedule in Annexure-I) cumulative for the Prospective Projects as per Annexure-IV	"Four (04) months from drgs. /docs. approval in CAT-I issued by BHEL. Successful bidder to make 1st submission of drawing/docs within time period as mentioned in Annexure IV of Section I of Technical Specification PE-TS-RC-563-A101, rev-00. Vendor to re-submit Drawing/documents within 7 days, after incorporating BHEL comments. BHEL/ Customer shall comment/approve the drawing/documents within 15 days of receipt of drawing/documents. In case there are delays in drawing/docs submission and resubmission, that much delay would be reduced from delivery period.

Your best quotation/offer for the above requirement, in line with our terms and conditions, should be submitted online via e-procurement system. It shall be the responsibility of the bidder to ensure that the Tender is submitted on or before the due date by 2 p.m. Part-I bids shall be opened at 3 p.m. on the due date in the presence of authorized representatives of the bidders, who may like to be present.

Note:-

1. Please note that Part Supplies offered for tender BOQ shall disqualify the bidder's offer.
2. Documents and Credential as per Technical PQR, Techno Commercial Bids and Price Bids should be uploaded on the e-procurement portal.

Please refer GCC Rev-06 which is available on www.bhelpem.com. You are requested to kindly download the same & please find enclosed here with Corrigenda to GCC Rev 06.

[Handwritten Signature]
21/4/19

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1. Rate contract, will be done for 2 years from placement of Rate Contract PO with a provision for further extension after review on mutual consent.
Rate contract will be done with 2 vendors in ratio of 70:30 value wise at L1 FOR site price for this package (% of splitting of RC between 2 vendors may be changed during ordering process if L1 bidder is not customer approved). However, order for a project/unit shall not be split.
2. Rate Contract will be finalized on total lump sum basis.
3. L1 Rates shall be counter offered to all bidders who participated in Price Bid Opening/RA for 30% value and in case acceptance of counter offer received from more than one vendor then acceptance shall be considered as per FINAL Price Bid Opening / Reverse Auction Ranking (as applicable). If none accepts L1 rates, RC shall be done with L1 vendor for 100% value.
4. Bidders will be informed the following: -
 - i. Evaluation is proposed on Ex Works + Freight basis.
 - ii. Bidder to give single % of freight charges considering anywhere in India in the freight column i.e. Bidders have to give same % of freight for each line item, for freight column cells.
 - iii. All bidders to note that if any vendor will quote freight as Nil/Included, their ex works price will be deloaded with 4.71% to calculate freight portion and accordingly evaluation will be done.
 - iv. Bidders to mention applicable GST rate on (total Ex. works + freight) in the specified cells of price schedule. However, may please note that GST shall not be considered in evaluation.
 - v. Though evaluation is proposed on Ex Works + Freight, but there is % allocation weightage against BOQ quantity of each item which shall be used for arriving at price break up. Bidders need to give only their total ex works price for given BOQ at the specific cells that has been kept opened in the price schedule available in the e-procurement portal (i.e. sl. no. 2 column no. 9 for Annexure I. Price mentioned anywhere else in BOQ shall not be taken in cognizance.
 - vi. Rest of the prices shall be derived by BHEL in line with allocation fixed for each item. There is formula applied in price schedule form available in e-procurement portal. As soon as bidder fills the cells for Total Ex works, freight percentage and GST percentage, rest values for e.g. unit ex works – item wise, total ex works – item wise, FOR site price – item wise will filled automatically. Bidders can also validate and cross check the same by using Check Formula button.
 - vii. For better clarity to the bidders where value is to be filled is noted as “to be quoted” and for other columns it will be noted as “derived” which denotes shall be derived by BHEL as per allocation fixed against each item.
 - viii. HSN Code applicable is mentioned in Price Schedule.
 - ix. Incomplete offer shall be summarily rejected.
 - x. Pre-Qualifying Requirements (PQR): All the bidders (registered/ non-registered) will be asked to submit documents fulfilling PQR requirements along with the bid & their further evaluation shall be done accordingly.
 - xi. Bidders to note that their bid shall be conditional subject to qualify PQR by registered vendors & non-registered vendors have to qualify PQR & get registered with PEM for the package.
 - xii. Additional overhead charges shall be 5% instead of 30% as mentioned in clause no 26.2 of GCC Rev 06
 - xiii. Quantity variation shall be +30%. Project list is indicative only, BHEL may ask for delivery anywhere in India for any of the project added in the prospective project/ existing projects during RC period.
 - xiv. CIF allocation is not applicable for this tender. Bidder to quote accordingly.
 - xv. Integrity pact is not applicable for this tender
 - xvi. Bidders to note Model Conciliation Clause under BHEL Conciliation Scheme, 2018 as per Annexure VI

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xvii. For this procurement, Public Procurement (Preference to Make in India), Order 2017 dated 15.06.2017 & 28.05.2018 and subsequent Orders issued by the respective Nodal Ministry shall be applicable even if issued after issue of the NIT but before finalization of contract/ PO/WO against the NIT. In the event of any Nodal Ministry prescribing higher or lower percentage of purchase preference and / or local content in respect of this procurement, same shall be applicable. Vendors are requested to go through the above mentioned orders and confirm the following:"

- The local supplier at the time of tender, bidding or solicitation shall be required to provide self-certification that the item offered meets the minimum local content as per above mentioned orders and shall give details of the location(s) at which the local value addition is made.

TERMS AND CONDITIONS

- Procurement of the subject package shall be done through e-procurement
- Enquiry No., due date etc. must be legibly super scribed on the offers as per clause no. 2.0 of "Instructions to Bidders".
- Offers should be uploaded in two parts online at <https://bhel.abcpocure.com> in as follows:
 - Part-I Bid: - Documents and Credential as per Technical PQR and Techno-Commercial offer (along with un-priced copy of un-priced bid and un-priced schedule of Technical-Commercial Deviation, Annexure I & II)
 - Part II Bid: - Price Bid and Priced schedule of Technical-Commercial Deviation
- Terms and conditions: -
 - Part I bid will be opened on date & time mentioned in the NIT or subsequent corrigenda/amendments, if any.
 - Techno-commercial offer of only those bidders shall be evaluated who will meet the Technical pre-qualifying requirement of the tender.
- Bidders shall submit their offers meeting the requirements of the following tender documents and other Terms and Conditions included in this Enquiry Letter:
 - ANNEXURE-I of GCC Rev. 06: Letter to be furnished by the Bidders.
 - DEFINITION OF TERMS.
 - Volume-I: Comprising i) Part-A: Instructions to Bidders, ii) Part-B: General Commercial Terms & Conditions and iii) Special Conditions of Contract, if applicable.
 - Volume-II: Comprising i) Part-A: General Technical Conditions and, ii) Part-B: Technical Specification.
 - Volume-III: Schedules and Data Sheets.All the above Tender Documents shall automatically become a part of the Order/Contract after its finalisation.
- Vendors shall quote in accordance with the requirements mentioned in the tender documents. In case of deviations (Technical/ Commercial), the same shall be highlighted separately giving Clause references along with the Cost of withdrawal of Deviations as per Annexure-II to GCC Rev 06 of "DEVIATION SHEET (COST OF WITHDRAWAL)" along with reasons for taking such deviations
Bidder to note all the points mentioned in "Notes" of Annexure-II to GCC Rev 06
- Please note the following:**
 - Price format is enclosed for compliance.

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b. SCC enclosed for compliance.

GCC enclosed for compliance. GCC Rev-06 is available on www.bhelpem.com. You are requested to kindly download the same. GST related corrigenda to GCC Rev.06 is enclosed. Bidders are requested for furnishing compliance of these documents.

8. Tenders shall be submitted strictly in accordance with the requirements of the above tender documents.
9. Standard pre-printed terms & conditions of the tenderers shall not be considered valid.
10. Validity of offer shall be as per **Clause No. 7.0, "Instructions to Bidders" of GCC Rev 06.**
11. Unsolicited fresh/revised Price Bids shall not be entertained.
12. Purchaser shall be under no obligation to accept the lowest or any other tender and shall be entitled to accept or reject any/all tender(s) in part or full without assigning any reason whatsoever.
13. Late tenders will be rejected.
14. Tenders and all correspondence thereof, shall be addressed to the undersigned by name & designation and sent at the following address:

Mr. I P SINGH, SR MGR, CMM M/s Bharat Heavy Electricals Ltd., Project Engineering Management, Power Project Engineering Institute, HRD & ESI Complex, Plot No 25, Sector-16 A, Noida-201301 Kind Attn: I P SINGH/ CMM E-MAIL: indra.pal.singh@bhel.in Ph. No. 0120-4218749 ,09818989654	Mr. SUMEET SAHAY, DY MGR, CMM M/s Bharat Heavy Electricals Ltd., Project Engineering Management, Power Project Engineering Institute, HRD & ESI Complex, Plot No 25, Sector-16 A, Noida-201301 Kind Attn: SUMEET SAHAY/ CMM E-MAIL: sumeetsahay@bhel.in Ph. No. 0120-4213532 ,09999498202
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15. Definition of Terms is also enclosed. These definitions will apply to all the tender documents including this Enquiry Letter.
16. **Delivery:**
"Four (04) months from drgs. /docs. approval in CAT-I issued by BHEL. Successful bidder to make 1st submission of drawing/docs within time period as mentioned in Annexure IV of Section I of Technical Specification PE-TS-RC-563-A101, rev-00. Vendor to re-submit Drawing/documents within 7 days, after incorporating BHEL comments. BHEL/ Customer shall comment/approve the drawing/documents within 15 days of receipt of drawing/documents. In case there are delays in drawing/docs submission and resubmission, that much delay would be reduced from delivery period.
17. **PRE-QUALIFICATION REQUIREMENT: -**
Bidders is requested to fill up the details in "TECHNICAL PRE-QUALIFYING REQUIREMENT" as per the conditions mentioned in the PQR and also to submit the credentials.
Bids of only those bidders shall be evaluated who meet the Technical pre-qualifying requirements (if applicable).
18. Bidders to note that their bid shall be conditional subject to qualify PQR by registered vendors & non-registered vendors have to qualify PQR & get registered with PEM for the package.
For registration in PEM "Bidders needs to apply & get registered for subject package with PEM before P-2 (price bid opening) & hence you need to apply online for registration on PEM web portal & have to enclose

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[Signature]
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acknowledgement with this effect with the bid documents else your bid will not be considered for evaluation

19. Bidder has to submit "NO DEVIATION CERTIFICATE FOR COMMERCIAL TERMS AND CONDITIONS AS PER GCC (06), SCC AND NIT". In case of deviations, bidder to clearly mention the same with their techno-commercial offer as per Point No-5 of NIT.
20. All the above Tender Documents shall automatically become a part of the Order/Contract after its finalization.
21. **The offers of the bidders who are on the banned list as also the offer of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL website www.bhel.com.**
22. **"The 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."**
BHEL Fraud prevention policy is also uploaded in vendor's section on www.bhelpem.com.
23. **Bidders are requested to visit constantly our website to update them self for any technical or commercial change in the NIT.**
24. **All corrigenda, addenda, amendments, time extensions, clarifications etc. to the tender will be hosted on BHEL websites only (www.bhelpem.com, www.bhel.com & <https://bhel.abcprocure.com> under subject tender reference. Bidders are requested to visit our websites from time to time to keep themselves updated. **Bidders may go through the Sellers' manual & Help documents provided on E-Procurement Portal website & obtain required Digital Signature Certificate for participating in the subject Tender.****
25. Bidders to submit their offers strictly in line with the enclosed price format.
26. Inspection shall be done by BHEL/ END CUSTOMER/Third party Agency (finalized by BHEL).
27. Any other taxes & duties applicable on the date of bid but not quoted by the bidders shall be to bidder account.
28. Delivery terms for dispatches shall be FOR Dispatch Station.
29. This enquiry is subject to Conditions/ limits if any imposed in PMD / Vendor registration.
30. Foreign & indigenous bidders participating through open/limited tender will necessarily have to but class III DSCs issued by the certifying authorities in India. Basic procedure/ checklist is uploaded on www.bhel.com.
31. Non- registered bidder to submit the credentials required for Registration in BHEL PEM: -
"Online Registration Portal is operational in BHEL. Non-registered Vendors, who wish to apply for registration with BHEL-PEM, have to apply through Online Registration Portal available at www.bhelpem.com - vendor section - Online Supplier Registration. All credentials and/or documents duly signed and stamped related to registration has to be uploaded on the website and submit the application for registration. One set of hard copy of the filled-up SRF downloaded from Online Registration Portal duly signed and stamped has to be submitted."
32. Purchaser reserves the right to split up the scope of the tender enquiry and place the orders for different scope/ items with different bidders and also increase or decrease the quantity.
33. In case of RA, revised RA guidelines AA:SSP:RA:03 issued on 26.09.2016 (uploaded on http://www.bhel.com/vender_registration/pdf/Guidelines%20for%20Reverse%20Auction-2016.pdf) shall be applicable.

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34. BHEL reserves the right to go for Reverse Auction (RA) (Guidelines as available on www.bhel.com) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. Bidders to give their acceptance with the offer for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA.

Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit 'Process compliance form' (to the designated service provider) as well as 'Online sealed bid' in the Reverse Auction. Non-submission of 'Process compliance form' or 'Online sealed bid' by the agreed bidder(s) will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com).

The bidders have to necessarily submit online sealed bid less than or equal to their envelope sealed price bid already submitted to BHEL along with the offer. The envelope sealed price bid of successful L1 bidder in RA, if conducted, shall also be opened after RA and the order will be placed on lower of the two bids (RA closing price & envelope sealed price) thus obtained. The bidder having submitted this offer specifically agrees to this condition and undertakes to execute the contract on thus awarded rates.

If it is found that L1 bidder has quoted higher in online sealed bid in comparison to envelope sealed bid for any item(s), the bidder will be issued a warning letter to this effect. However, if the same bidder again defaults on this count in any subsequent tender in the unit, it will be considered as fraud and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com)."

As a reminder to the bidders, system will flash following message (in RED Color) during the course of 'online sealed bid':

"Bidders to submit online sealed bid less than or equal to their envelope sealed bid already submitted to BHEL"

Detailed guidelines of reverse auction 2016 are available in "information section" of [www. bhelpem.com](http://www.bhelpem.com), same are applicable for subject tender.

IMPORTANT INSTRUCTION TO BIDDERS IN CASE OF REVERSE AUCTION

"The Bidders has to quote the Single Price (i.e. Total Cost to BHEL) in Reverse Auction. Price are to be inclusive of Packing & Forwarding charges, all the routine & type tests as per tender scope, Freight as applicable, GST, including loading (if any). De-loading (if any) shall be done in line with NIT terms.

35. If any bidder has mentioned the term Not Applicable / Not required / Not Quoted in BHEL price format. The bidder needs to substantiate the same. If the same item will be required in future for the system same will be supplied free of cost.
36. Foreign Suppliers & Indian agents of foreign suppliers: Please refer our website <http://www.bhelpem.com/Tenders.aspx> for details.
37. L1 bidder will have to submit Bank Guarantee for each POs (irrespective of value) which will be placed under the Rate Contract finalised through this tender considering RC as original contract as per format mentioned in Annexure V to NIT instead of format mentioned in GCC Rev 06
38. All other terms and conditions shall be as per GCC Rev 06 and Special Conditions of Rate Contract as per attached Annexure-II. In the event of any contradiction in the terms and conditions mentioned, the order of

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preference shall be NIT and Annexures/Technical Specification/ corrigenda related to GCC Rev.06/ Rate contract SCC / GCC Rev. 06

Note: Tenderer must submit UN-PRICED Price format duly filled mentioning the word "QUOTED" in place of actual price given in sealed price bid.

Thanking you,
Yours faithfully,
For and on behalf of BHEL

(Signature of official with Name & Designation)

सुमीत साहय (सी.एम.एम.)
उप प्रबंधक (सी.एम.एम.) / Dy Manager (CMM)
भारत भारी इलेक्ट्रिकल्स लिमिटेड - 201301
Power Sector-Project Engineering Management
प्लॉट नं. 25, सेक्टर 16 ए, नोडा - 201301
PPEI Bldg. HRD & ESI Complex,
प्लॉट नं. 25, सेक्टर 16 ए, नोडा - 201301
Plot No 25, Sec. 16 A, Noida - 201301

Enclosure:

1. Enquiry Terms & Conditions
2. Price Format (Prices should be quoted in this format only) – Annexure I
3. Techno-Commercial Deviation Sheet (Annexure-II to GCC Rev 06) – Annexure II
4. BOQ & Technical Specifications
5. Technical PQR
6. SCC – ANNEXURE III
7. Prospective Project List – Annexure IV
8. Corrigenda to GCC Rev 06
9. Annexure V - BG Format
10. Annexure VI - Model Conciliation Clause under BHEL Conciliation Scheme, 2018

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ANNEXURE I TO NIT REF NO-PE/PG/RTC/E-6163/2019, DTD-04.04.2019

PRICE SCHEDULE FOR CHAIN PULLEY BLOCK

RATE CONTRACT

NAME OF VENDOR - (Please fill vendor's name)

SR. NO.	ITEM DESCRIPTION	UOM	QUANTITY	HSN CODE	UNIT EX- WORKS PRICE (DULY PACKED) WORKS PRICE (INR)	UNIT EX- WORKS PRICE (DULY PACKED) (INR)	FORMULA FOR TOTAL EX- WORKS PRICE (DULY PACKED) (INR)	TOTAL EX- WORKS PRICE (DULY PACKED) (INR)	FREIGHT CHARGES WITHOUT GST @ % OF TOTAL EX WORKS (INR)	APPLICABLE GST RATE % ON (TOTAL EX WORKS + FREIGHT) (INR)	TOTAL FOR SITE PRICE (INR)	REMARKS
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Total lump sum firm price inclusive of all prevailing taxes, duties and other levies for SUPPLY PART & ESSENTIAL SPARES (if applicable) design (i.e. preparation and submission of drawing /documents including "As Built" drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles, fill of lubricants & consumables, ESSENTIAL spares (if applicable) forwarding, proper packing, shipment and delivery at site for project and package specified above complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification PE-TS-RC-563-A101, amendment & agreements till placement of order.											
	BREAK-UP OF SUPPLY PRICES GIVEN IN 1.0 ABOVE											
1.01	CPB with travelling trolley 1Ton, 6.0 M lift. (non-hazardous area)	No.	58	84251910	0.336207	Derived	19.5	Derived	to be quoted in percentage	to be quoted in percentage	Derived	
1.02	CPB with travelling trolley 2Ton, 6.0 M lift. (non-hazardous area)	No.	14	84251910	0.392857	Derived	5.5	Derived	to be quoted in percentage	to be quoted in percentage	Derived	
1.03	CPB with travelling trolley 3Ton, 6.0 M lift. (non-hazardous area)	No.	1	84251910	0.500000	Derived	0.5	Derived	to be quoted in percentage	to be quoted in percentage	Derived	
1.04	CPB with travelling trolley 5Ton, 6.0 M lift. (non-hazardous area)	No.	1	84251910	0.600000	Derived	0.6	Derived	to be quoted in percentage	to be quoted in percentage	Derived	
1.05	CPB without travelling trolley 1Ton, 6.0 M lift. (non-hazardous area)	No.	58	84251910	0.224138	Derived	13	Derived	to be quoted in percentage	to be quoted in percentage	Derived	
1.06	CPB without travelling trolley 2Ton, 6.0 M lift. (non-hazardous area)	No.	29	84251910	0.344828	Derived	10	Derived	to be quoted in percentage	to be quoted in percentage	Derived	
1.07	CPB without travelling trolley 3Ton, 6.0 M lift. (non-hazardous area)	No.	45	84251910	0.344444	Derived	15.5	Derived	to be quoted in percentage	to be quoted in percentage	Derived	
1.08	CPB without travelling trolley 5Ton, 6.0 M lift. (non-hazardous area)	No.	32	84251910	0.512500	Derived	16.4	Derived	to be quoted in percentage	to be quoted in percentage	Derived	
1.09	CPB without travelling trolley 8 Ton, 6.0 M lift. (non-hazardous area)	No.	1	84251910	0.780000	Derived	0.78	Derived	to be quoted in percentage	to be quoted in percentage	Derived	
1.1	CPB without travelling trolley 10Ton, 6.0 M lift. (non-hazardous area)	No.	12	84251910	1.166667	Derived	14	Derived	to be quoted in percentage	to be quoted in percentage	Derived	
1.11	CPB with travelling trolley 2Ton, 6.0 M lift. (Hazardous area)	No.	4	84251910	0.400000	Derived	1.6	Derived	to be quoted in percentage	to be quoted in percentage	Derived	
1.12	Additional price for increase in lift per meter for load chain upto 5T capacity	per metre lift	1	73151210	0.020000	Derived	0.02	Derived	to be quoted in percentage	to be quoted in percentage	Derived	
1.13	Additional price for increase in lift per meter for load chain above 5T to 10T	per metre lift	1	73151210	0.020000	Derived	0.02	Derived	to be quoted in percentage	to be quoted in percentage	Derived	
1.14	Additional price for increase in lift per meter for hand chain hoisting upto 10T capacity	per metre lift	1	73151210	0.010000	Derived	0.01	Derived	to be quoted in percentage	to be quoted in percentage	Derived	
1.15	Additional price for increase in lift per meter for hand chain travelling upto 10T capacity	per metre lift	1	73151210	0.010000	Derived	0.01	Derived	to be quoted in percentage	to be quoted in percentage	Derived	
1.16	Maintenance tools and tackles for CPB upto 3T capacity	set	1	84251910	0.130000	Derived	0.13	Derived	to be quoted in percentage	to be quoted in percentage	Derived	
1.17	Maintenance tools and tackles for CPB above 3T capacity	set	1	84251910	0.130000	Derived	0.13	Derived	to be quoted in percentage	to be quoted in percentage	Derived	
1.18	Essential spares (as per annexure-IA)	set	1	84311010	2.300000	Derived	2.3	Derived	to be quoted in percentage	to be quoted in percentage	Derived	
2	TOTAL (1.01 TO 1.18)							X= TO BE QUOTED (IN FIGURES)	Derived = Rs Y	Derived	Derived	
									X= TO BE QUOTED (IN WORDS)			
NOTE:-												



ANNEXURE IA TO NIT REF NO-PE/PG/RTC/E-6163/2019, DTD-04.04.2019
PRICE SCHEDULE FOR CHAIN PULLEY BLOCK - RATE CONTRACT

ESSENTIAL SPARES

NAME OF VENDOR - (Please fill vendor's name)

SR. NO.	ITEM DESCRIPTION	UOM	QUANTITY	HSN CODE	UNIT EX- WORKS PRICE (DULY PACKED) (INR)	TOTAL EX- WORKS PRICE (DULY PACKED) (INR)	FREIGHT CHARGES @ % OF TOTAL EX WORKS (INR) SHOULD BE SAME FREIGHT PERCENTAGE AS MENTIONED IN ANNEX I	APPLICABLE GST RATE % ON (TOTAL EX WORKS + FREIGHT) (INR)	TOTAL FOR SITE PRICE (INR)	REMARKS
1	ESSENTIAL spares as per specification no. PE-TS-RC-563-A101, items list as indicated in the specification mentioned below:									
1.1	ESSENTIAL SPARES OF CHAIN PULLEY BLOCK FOR 1T, 6M CPB with TT, non-hazardous area									
1.1.1	Load chain Wheel	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.1.2	Load chain stripping fork	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.1.3	Hand Chain wheel	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.1.4	Ratchet pawl	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.1.5	Locking ratchet wheel	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.1.6	Guide roller	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.1.7	Brake disc	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.1.8	Bearings of each type & size used in load chain wheels, lifting hook.	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.1.9	Bearings of each type & size used in trolley wheels.	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.1.10	Load chain (for hoisting)	per metre	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.1.11	Hand chain (for hoisting)	per metre	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.1.12	Hand chain (for travelling)	per metre	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.1.13	Grooved pulley	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.1.14	Pinion	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.1.15	Shaft pin	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.1.16	Total(1.1.1 to 1.1.15)					TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.2	ESSENTIAL SPARES OF CHAIN PULLEY BLOCK FOR 2T, 6M CPB with TT, non-hazardous area									
1.2.1	Load chain Wheel	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.2.2	Load chain stripping fork	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.2.3	Hand Chain wheel	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.2.4	Ratchet pawl	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.2.5	Locking ratchet wheel	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.2.6	Guide roller	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.2.7	Brake disc	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.2.8	Bearings of each type & size used in load chain wheels, lifting hook.	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.2.9	Bearings of each type & size used in trolley wheels.	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.2.10	Load chain (for hoisting)	per metre	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.2.11	Hand chain (for hoisting)	per metre	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.2.12	Hand chain (for travelling)	per metre	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.2.13	Grooved pulley	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.2.14	Pinion	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.2.15	Shaft pin	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.2.16	Total(1.2.1 to 1.2.15)					TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.3	ESSENTIAL SPARES OF CHAIN PULLEY BLOCK FOR 3T, 6M CPB with TT, non-hazardous area									
1.3.1	Load chain Wheel	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	
1.3.2	Load chain stripping fork	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	

20/04/19

ANNEXURE IA TO NIT REF NO-PE/PG/RTC/E-6163/2019, DTD-04.04.2019
PRICE SCHEDULE FOR CHAIN PULLEY BLOCK - RATE CONTRACT

ESSENTIAL SPARES

1.6.7	Brake disc	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.6.8	Bearings of each type & size used in load chain wheels, lifting hook.	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.6.9	Load chain (for hoisting)	per metre	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.6.10	Hand chain (for hoisting)	per metre	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.6.11	Grooved pulley	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.6.12	Pinion	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.6.13	Shaft pin	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.6.14	Total(1.6.1 to 1.6.13)				TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.7	ESSENTIAL SPARES OF CHAIN PULLEY BLOCK FOR 3T, 6M CPB without TT, non-hazardous area								
1.7.1	Load chain Wheel	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.7.2	Load chain stripping fork	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.7.3	Hand Chain wheel	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.7.4	Ratchet pawl	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.7.5	Locking ratchet wheel	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.7.6	Guide roller	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.7.7	Brake disc	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.7.8	Bearings of each type & size used in load chain wheels, lifting hook.	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.7.9	Load chain (for hoisting)	per metre	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.7.10	Hand chain (for hoisting)	per metre	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.7.11	Grooved pulley	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.7.12	Pinion	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.7.13	Shaft pin	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.7.14	Total(1.7.1 to 1.7.13)				TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.8	ESSENTIAL SPARES OF CHAIN PULLEY BLOCK FOR 5T, 6M CPB without TT, non-hazardous area								
1.8.1	Load chain Wheel	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.8.2	Load chain stripping fork	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.8.3	Hand Chain wheel	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.8.4	Ratchet pawl	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.8.5	Locking ratchet wheel	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.8.6	Guide roller	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.8.7	Brake disc	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.8.8	Bearings of each type & size used in load chain wheels, lifting hook.	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.8.9	Load chain (for hoisting)	per metre	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.8.10	Hand chain (for hoisting)	per metre	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.8.11	Grooved pulley	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.8.12	Pinion	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.8.13	Shaft pin	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.8.14	Total(1.8.1 to 1.8.13)				TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.9	ESSENTIAL SPARES OF CHAIN PULLEY BLOCK FOR 8T, 6M CPB without TT, non-hazardous area								
1.9.1	Load chain Wheel	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.9.2	Load chain stripping fork	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.9.3	Hand Chain wheel	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.9.4	Ratchet pawl	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.9.5	Locking ratchet wheel	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.9.6	Guide roller	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.9.7	Brake disc	No	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.9.8	Bearings of each type & size used in load chain wheels, lifting hook.	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.9.9	Load chain (for hoisting)	per metre	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.9.10	Hand chain (for hoisting)	per metre	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.9.11	Grooved pulley	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.9.12	Pinion	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED
1.9.13	Shaft pin	Set	1	84311010	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED	TO BE FILLED

5/5/5

NOTE:-

7. "One (1) set of each type & size" is defined as 100% requirement for one CP8.

25/3/20



ANNEXURE-II: DEVIATION SHEET (COST OF WITHDRAWAL)

PACKAGE:-

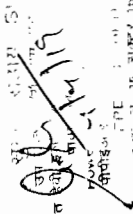
TENDER ENQUIRY REF NO-PE/PG/RTC/E-6163/2019, DTD-04.04.2019

NAME OF VENDOR:-

SL NO	VOLUME/ SECTION	PAGE NO.	CLAUSE NO.	TECHNICAL SPECIFICATION/ TENDER DOCUMENT	COMPLETE DESCRIPTION OF DEVIATION	COST OF WITHDRAWAL OF DEVIATION	REFERENCE OF PRICE SCHEDULE ON WHICH COST OF WITHDRAWAL OF DEVIATION IS APPLICABLE	NATURE OF COST OF WITHDRAWAL OF DEVIATION (POSITIVE/ NEGATIVE)	REASONS FOR QUOTING DEVIATION
TECHNICAL DEVIATIONS									
COMMERCIAL DEVIATIONS									
PARTICULARS OF BIDDERS/ AUTHORISED REPRESENTATIVE									
NAME					DESIGNATIONS		SIGN & DATE		

NOTES:

1. For self manufactured items of bidder, cost of withdrawal of deviation will be applicable on the basic price (i.e. excluding taxes, duties & freight) only.
2. For directly dispatchable items, cost of withdrawal of deviation will be applicable on the basic price including taxes, duties & freight.
3. All the bidders have to list out all their Technical & Commercial Deviations (if any) in detail in the above format.
4. Any deviation not mentioned above and shown separately or found hidden in offer, will not be taken cognizance of.
5. Bidder shall submit duly filled unpriced copy of above format indicating "quoted" in "cost of withdrawal of deviation" column of the schedule above along with their Techno-commercial offer.
6. Bidder shall furnish price copy of above format along with price bid.
7. The final decision of acceptance/ rejection of the deviations quoted by the bidder shall be at discretion of the Purchaser.
8. Bidders to note that any deviation (technical/commercial) not listed in above and asked after Part-I opening shall not be considered
9. For deviations w.r.t. Payment terms, Liquidated damages, Firm prices and submission of E1/ E2 forms before claiming 10% payment, if a bidder chooses not to give any cost of withdrawal of deviation loading as per Annexure-VIII of GCC, Rev-06 will apply. For any other deviation mentioned in un-priced copy of this format submitted with Part-I bid but not mentioned in priced copy of this format submitted with Priced bid, the cost of withdrawal of deviation shall be taken as NIL.
10. Any deviation mentioned in priced copy of this format, but not mentioned in the un-priced copy, shall not be accepted.
11. All techno-commercial terms and conditions of NIT shall be deemed to have been accepted by the bidder, other than those listed in unpriced copy of this format.
12. Cost of withdrawal is to be given separately for each deviation. In no event bidder should club cost of withdrawal of more than one deviation else cost of withdrawal of such deviations which have been clubbed together shall be considered as NIL.
13. In case nature of cost of withdrawal (positive/negative) is not specified it shall be assumed as positive.
14. In case of discrepancy in the nature of impact (positive/ negative), positive will be considered for evaluation and negative for ordering.



AMIT SAHAY
 Director
 Manager (C&M)
 Heavy Electricals Ltd.
 25, Sector 16 A, Noida - 201301



BHEL / PEM / CMM
SPECIAL CONDITIONS OF RATE CONTRACT

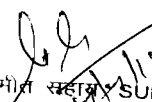
ANNEXURE III TO NIT REF NO-PE/PG/RTC/E-6163/2019, DTD-04.04.2019
SPECIAL CONDITION OF RATE CONTRACT FOR CHAIN PULLEY BLOCK

1. BHEL/PEM intends to enter into Rate Contract for supply of the tendered items for a period of two years. The Rate Contract shall come into force from the date of issue of Purchase order for Rate Contract. Validity for ordering shall be two years from the purchase order for Rate Contract.
2. Details of consignee and project site information for dispatch of material shall be intimated at the time of placement of PO for specific project after finalization of RC
3. Transit Insurance is in BHEL scope
4. The items will be required against respective projects. Exact quantities and Project information shall be intimated while placing order for a specific project based on the Rate Contract.
5. The prices shall remain firm (except for those items in which PVC is applicable as per NIT) during the period of two years with a provision for further extension after review on mutual consent.
6. Inspection of materials shall be carried out by BHEL/CQA and or by Customer or by an authorized agency at manufacture's works before dispatch, if required. Dispatch of material to be done, only after receipt of BHEL/Customer MDCC. It is responsibility of vendor to for obtain Material Dispatch Clearance Certificate (MDCC) from BHEL or Customer as required before dispatch of material.

Vendor shall give inspection call on BHEL-CQS web site to applicable inspection agency with a copy of inspection call to BHEL-PEM for arranging Customer participation (if applicable) in inspection / Joint inspection on the proposed date with an advance notice of 15 working days. Inspection charges shall be paid by BHEL-PEM.

Items have to be manufactured as per specification and supplied strictly in accordance with the approved BHEL / Customer's Drawings & Quality Plan. The items/ test certificate of items, which for any reason are not acceptable to BHEL / Customer, shall be required to be retested. No extra charge shall be payable on those account by BHEL.

7. Mode of dispatch shall be by road through Schedule Bank/BHEL (PEM) approved transporters.
8. Other terms and conditions shall be as per Standard Technical specification no, GCC Rev 06 & Corrigenda to GCC Rev 06, Enquiry letter.
9. This enquiry is subject to Conditions/ limits if any imposed in PMD/ Vendor registration.
10. Tentative quantity is given in enquiry.
11. Bidders to submit offer for RC of said items ONLINE via e-Procurement System only. Bidder to upload tender documents complete in all respects duly signed & stamped on each and every page by the authorized signatory of the bidder as a token of acceptance of all the terms and conditions of tender.
12. The Bidder along with its associate/ collaborators/ sub-contractors/ sub-vendor/ consultants/ service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL web site <http://www.bhel.com> and shall immediately bring to the notice of BHEL Management about any fraud as soon as it comes to their notice.


सुमीत सहया SUMIT SAHAYA
उप प्रबंधक (सी. एम. एम.) / Dy. Manager (CMM)
भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
पावर सेक्टर-परियोजना इंजीनियरिंग प्रभाग
Power Sector-Project Engineering Man
प्रीमियर्ड आइड भवन, एमआरडी एण्ड ईएस को
PPEI Bldg, HRD & ESI Co
प्लॉट नं. 25, सेक्टर 16 ए, नोएडा
Plot No. 25 Sec. 16 A, Noida

ANNX TO IVNIT REF NO- PE/PG/RTC/E-6163/2019, DTD-04.04.2019		
LIST OF PROJECTS FOR CHAIN PULLEY BLOCK (RATE CONTRACT)		
S.no	TITLE	
1	5 x 800 MW YADADRI TPP	
2	2X660 MW UDANGUDI SUPERCRITICAL STPP	
3	1X660 MW BHUSAWAL TPS UNIT 6	
4	3 x 800 MW PVUNL PATRATU TPP PHASE-I	
5	1 X 660 MW WBPDCS SAGARDIGHI EXTN UNIT V	
6	1X660 MW UPRVUNL PANKI TPS EXT.	
7	Neyveli TPS-II (2nd Expn) TG Pkg	
8	Neyveli TPS-II (2nd Expn) SG Pkg	
9	Talcher Stg III-Main Plant Pkg	
10	2X660 MW BTPP at Buxar by STPL	
11	2x660 MW Mouda	

[illegible]

BANK GUARANTEE FOR PERFORMANCE SECURITY

Bank Guarantee No:
Date:

To

NAME

& ADDRESSES OF THE BENEFICIARY

Dear Sirs,

In consideration of the Bharat Heavy Electricals Limited¹ (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) having its registered office at _____² hereinafter referred to as the 'Contractor/Supplier', which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns), a contract Ref No. _____ dated _____³ valued at Rs. _____⁴ (Rupees _____) / FC _____ (in words _____) for _____⁵ (hereinafter called the 'Contract') and the Contractor having agreed to provide a Contract Performance 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 a maximum amount Rs _____ (Rupees _____) without any demur, immediately on a demand from the Employer, . 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 Contractor/ Supplier in any suit or proceeding pending before any Court or Tribunal relating thereto 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 contractors/supplier shall have no claim against us for making such payment.

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)

Dated: _____

Place of Issue: _____

¹ NAME AND ADDRESS OF EMPLOYER i.e. Bharat Heavy Electricals Limited² NAME AND ADDRESS OF THE VENDOR / CONTRACTOR / SUPPLIER.³ DETAILS ABOUT THE NOTICE OF AWARD/CONTRACT REFERENCE⁴ PROJECT/SUPPLY DETAILS⁵ BG AMOUNT IN FIGURES AND WORDS⁶ VALIDITY DATE⁷ DATE OF EXPIRY OF CLAIM PERIOD⁸ BG AMOUNT IN FIGURES AND WORDS.⁹ VALIDITY DATE¹⁰ DATE OF EXPIRY OF CLAIM PERIOD

Note:

1. Units are advised that expiry of claim period may be kept 2/3 months after validity date.

2. 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 (BHEL's Consortium Bank). 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 be 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). In case, of Foreign Vendors, the BG Format provided to them should clearly specify the same.
- b.4 The BG should clearly specify that the demand or other document can be presented in electronic form.

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 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 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 Contractor/Supplier and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor/Supplier or for any forbearance, act or omission on the part of the Employer or any indulgence by the Employer to the said 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 Contractor and notwithstanding any security or other guarantee that the Employer may have in relation to the Contractor's liabilities

This Guarantee shall remain in force upto and including _____⁶ 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 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 _____⁷ we shall be discharged from all liabilities under this guarantee thereafter.

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 _____⁸
- b) This Guarantee shall be valid up to _____⁹
- c) Unless the Bank is served a written claim or demand on or before _____¹⁰ 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.

सुमित साहय / SUMIT SAHAYA
प्रबंधक (सी. एम. एम.) Dy. Manager (CMM)
भारत भारी बिजली लिमिटेड / Bharat Heavy Electricals Ltd.
प्रमुख प्रबंधक / प्रमुख प्रबंधक
Power Project Engineering Management
दीर्घा, बल्लभपुरा, बल्लभपुरा, बल्लभपुरा
BHEL Complex,
बल्लभपुरा, बल्लभपुरा, बल्लभपुरा, बल्लभपुरा
बल्लभपुरा, बल्लभपुरा, बल्लभपुरा, बल्लभपुरा

ANNEXURE-C

BRIEF 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.
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.
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.
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 12 (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.
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:
 - a. On the date of signing of the Settlement agreement by the Parties; or,
 - b. 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,
 - c. 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,
 - d. 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.
 - e. 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 5 crores. Rs 50,000/- (Sole Conciliator)

Handwritten signature/initials

ANNEXURE-C

BRIEF 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.
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.
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.
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.
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.
 - 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)

Sl No	Particulars	Amount
		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 Signing of the Settlement Agreement after approval of the Competent Authority or 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.

Sl No	Particulars	Amount
		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.
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. 3 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.

**FORMAT FOR SEEKING CONSENT FOR REFERRING THE DISPUTES TO
CONCILIATION THROUGH IEC**

To,

M/s. (Stakeholder's name)

Sub: Resolution of the Disputes through conciliation by Independent Expert Committee (IEC).

Ref: Contract No/MoU/Agreement/LOI/LOA& date _____.

Sir,

With reference to above referred Contract/MoU/Agreement/LOI/LOA, you have raised certain Disputes/claims. Vide your letter dated_____ you have requested BHEL to refer the Disputes/claims to IEC for Conciliation.

We are enclosing herewith Format (3) for giving consent and the terms and conditions of BHEL Conciliation Scheme, 2018 governing conciliation through IEC. You are requested to give your unconditional consent to the said terms and conditions of the Scheme by returning the same duly sealed and signed on each page. On receipt of your consent, matter will be put to the Competent Authority for consideration and decision.

Please note that BHEL has also certain claims against you (if applicable). BHEL reserves its right to agree or not to agree conciliation of the said disputes through BHEL and this letter is being issued without prejudice to BHEL's rights and contentions available under the contract and law.

Yours faithfully,

Representative of BHEL

**FORMAT FOR GIVING CONSENT BY
CONTRACTOR/VENDOR/CUSTOMER/COLLABORATOR/CONSORTIUM PARTNERS FOR REFERRING THE DISPUTES TO CONCILIATION
THROUGH IEC**

To,

BHEL

.....

Sub: Resolution of Disputes through Conciliation by Independent Expert Committee (IEC).

Ref: Contract/MoU/Agreement/LOI/LOA No & date ____

With reference to above referred contract, our following bills/invoices/claims submitted to BHEL are still unpaid giving rise to Disputes:

SL. no.	Claim Description	Bill submitted to BHEL (no. and date)	Amount of the bill/claim	Amount received from BHEL	Outstanding Amount

Accordingly we request you to kindly refer the Disputes in respect of above claims to IEC for Conciliation.

We hereby agree and give our unconditional consent to the terms and conditions of BHEL Conciliation Scheme, 2018 governing conciliation through IEC. We have signed the same on each page and enclosed it for your consideration.

Yours faithfully,

(Signature with stamp)

Authorized Representative of Contractor

Name, with designation

Date

**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.*

	PRE-QUALIFICATION REQUIREMENT (TECHNICAL) PROJECT: RATE CONTRACT PACKAGE : - CHAIN PULLEY BLOCK	PE-PQ-RC-563-A101	
		DATE	MAR 2019
		REV NO	00

1.0	Bidder should have capabilities for design, manufacture and having testing facility for chain pulley block.
2.0	The Bidder has to submit following supporting documents meeting above mentioned pre-qualifying requirement: a. Copy of minimum one (1) performance certificate (in English) from end user along with copy of related Purchase Order (PO) or Letter of intent (LOI) or Letter of Award (LOA) or Work Order (WO) specifying that the product/equipment is running successfully for one (1) year from date of commissioning meeting the minimum prequalifying requirement. OR b. Minimum two PO/ LOI/ LOA/ WO placed with a minimum gap of six (6) months from same purchaser meeting the minimum pre-qualifying requirement. OR c. Minimum one PO/ LOI/ LOA/ WO after commissioning of first order from same purchaser meeting the minimum pre-qualifying requirement. OR d. Minimum three customer's /third party's inspection reports / test certificates meeting the minimum pre-qualifying requirement.
3.0	Bidder shall submit design documents to substantiate technical parameters specified in PQR, if the same is not mentioned in performance certificate/purchase order.
4.0	Minimum one (1) no. Purchase order shall be submitted which should not be more than seven (7) years old as on date of bid submission, for establishing continuity in business. This is over and above the requirement of PO mentioned of PQR clause at S. No. 2.0 above.
5.0	Bidder to submit all supporting documents in English. If documents submitted by bidder are in language other than English, a self-attested English translated document should also be submitted.
6.0	Notwithstanding anything stated above, BHEL reserves the right to assess the capabilities and capacity of the bidder to perform the contract, should the circumstances warrant such assessment in the overall interest of BHEL.
7.0	Consideration of offer shall be subject to customer's approval of bidders, if applicable.
8.0	After satisfactory fulfilment of all the above criteria/ requirement, offer shall be considered for further evaluation as per NIT and all the other terms of the tender.

**RATE CONTRACT
FOR
CHAIN PULLEY BLOCKS**

TECHNICAL SPECIFICATION

PE-TS-RC-563-A101



**BHARAT HEAVY ELECTRICALS LTD
POWER SECTOR- PROJECT ENGINEERING MANAGEMENT
NOIDA
INDIA**



**TECHNICAL SPECIFICATION FOR
RATE CONTRACT OF
CHAIN PULLEY BLOCKS**

SPECIFICATION No: PE-TS-RC-563-A101

REV. 00

DATE: MAR 2019

SHEET : 1 OF 1

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TECHNICAL SPECIFICATION FOR
RATE CONTRACT OF
CHAIN PULLEY BLOCKS

SPECIFICATION NO. PE-TS-RC-563-A101

SECTION I

SUB-SECTION -IA

REV 00

DATE MAR 2019

SECTION-IA
INTENT OF SPECIFICATION



TECHNICAL SPECIFICATION FOR
RATE CONTRACT OF
CHAIN PULLEY BLOCKS

SPECIFICATION NO. PE-TS-RC-563-A101

SECTION I

SUB-SECTION -IA

REV 00

DATE MAR 2019

SCOPE OF ENQUIRY

- 1.1 The specification is intended to cover design (i.e. preparation and submission of drawing /documents including “As Built” drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles fill of lubricants & consumables, ESSENTIAL spares (if applicable) forwarding, proper packing, shipment and delivery at site for project and package specified above complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification PE-TS-RC-563-A101, in line with drawings/ documents/ test procedures approved by BHEL/ Customer for chain pulley blocks as in different sections / volumes of this specification.
- 1.2 The contractor shall be responsible for providing all material, equipment & services, which are required to fulfil the intent of ensuring operability, maintainability, reliability and complete safety of the complete work covered under this specification, irrespective of whether it has been specifically listed herein or not. **Omission of specific reference to any component / accessory necessary for proper performance of the equipment shall not relieve the contractor of the responsibility of providing such facilities to complete the supply of CHAIN PULLEY BLOCK.**
- 1.3 It is not the intent to specify herein all the details of design and manufacture. However, the equipment shall conform in all respects to high standards of design, engineering and workmanship and shall be capable of performing the required duties in a manner acceptable to purchaser who will interpret the meaning of drawings and specifications and shall be entitled to reject any work or material which in his judgement is not in full accordance herewith.
- 1.4 The extent of supply under the contract includes all items shown in the drawings, notwithstanding the fact that such items may have been omitted from the specification or schedules. Similarly, the extent of supply also includes all items mentioned in the specification and /or schedules, notwithstanding the fact that such items may have been omitted in the drawing.
- 1.5 The general term and conditions, instructions to tenderer and other attachment referred to elsewhere are made part of the tender specification. The equipment materials and works covered by this specification is subject to compliance to all attachments referred to in the specification. The bidder shall be responsible for and governed by all requirements stipulated herein.
- 1.6 While all efforts have been made to make the specification requirement complete & unambiguous, it shall be bidders' responsibility to ask for missing information , ensure completeness of specification, to bring out any contradictory / conflicting requirement in different sections of the specification and within a section itself to the notice of BHEL and to seek any clarification on specification requirement in the format enclosed under Vol-III of the specification **within 10 days of receipt of tender documents.** In absence of any such clarifications, in case of any contradictory requirement, the more stringent requirement as per interpretation of Purchaser/Customer shall prevail and shall be complied by the bidder without any commercial implication on account of the same. Further in case of any missing information in the specification not brought out by the prospective bidders as part of pre-bid clarification, the same shall be furnished by Purchaser/ Customer as and when brought to their notice either by the bidder or by purchaser/ customer themselves. However, such requirements shall be binding on the successful bidder without any commercial & delivery implication.
- 1.7 The bidder's offer shall not carry any sections like clarification, interpretations and /or assumptions.



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- 1.8 Deviations, if any, should be very clearly brought out clause by clause in the enclosed deviation schedule along with cost of withdrawal; otherwise, it will be presumed that the vendor's offer is strictly in line with NIT specification. If no cost of withdrawal is given against the deviation, it will be presumed that deviation can be withdrawn without any cost to BHEL/its customer.
- 1.9 In the event of any conflict between the requirements of two clauses of this specification documents or requirements of different codes and standards specified, Section -I shall prevail over section – II, however more stringent requirement as per the interpretation of the owner shall apply.
- 1.10 In case all above requirements are not complied with, the offer may be considered as incomplete and would become liable for rejection.
- 1.11 Unless specified otherwise, all through the specification, the word contractor shall have same meaning as successful bidder /vendor and Customer/ Purchaser/Employer will mean BHEL and /or END CUSTOMER including their consultant as interpreted by BHEL in the relevant context. For details refer the relevant clause in GCC.



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SECTION-IB
PROJECT INFORMATION
(PROJECT SPECIFIC)



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SECTION – IC

SPECIFIC TECHNICAL REQUIREMENT



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1.0 SCOPE OF WORK

- 1.1 The specification is intended to cover design (i.e. preparation and submission of drawing /documents including "As Built" drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles fill of lubricants & consumables, ESSENTIAL spares (if applicable) forwarding, proper packing, shipment and delivery at site as required on FOR site basis, demonstration test at vendor's works (as mentioned elsewhere in the specification) of **CHAIN PULLEY BLOCK** as per details in different sections / volumes of this specification.
- 1.2 The equipment to be furnished by the bidder for the chain pulley blocks of different capacity and lift as specified in price format along with all accessories including essential spares (as applicable) and tools and tackles. However, actual requirement of CPBs shall be informed to bidder during project specific enquiry/ PO.
- 1.3 The chain pulley blocks offered shall have technical parameters as per the Data Sheet A enclosed herewith in section I, sub-section –ID
- 1.4 Any equipment/accessories not specified herein but required to make the equipment complete and efficient shall also be under bidder's scope of work.

The following shall be in the bidder's scope of work.

- a. Chain pulley blocks with/without traveling trolleys as per price format.
- b. Maintenance Tools and Tackles as given at 4.0
- c. Packaging.
- d. O&M manuals, drawings and documents etc.
- e. Essential spares (project specific)
- f. Inspection & testing of Chain Pulley Blocks as per QAP approved by BHEL /Customer during detail engineering. Prime inspection agency shall be BHEL / End Customer. Equipment being supplied shall be strictly in accordance with nomenclature & technical specification.

2.0 TESTING AND INSPECTION

Refer section I, sub-section IC

3.0 WORKS EXCLUDED

- 3.1 Supply of ISMB/ monorail for traveling trolley of chain pulley blocks shall be under scope of BHEL/CIVIL contractor.

4.0 MAINTENANCE TOOLS AND TACKLES

A complete unused one set of special purpose maintenance tools & tackles and accessories along with detailed instructions for maintenance and operation shall be supplied. Tools shall be of suitable sizes for maintenance of Chain Pulley Block of each type and capacity. Each tool and wrench shall be stamped so as to be identified easy for its use and size. The tools shall be supplied in steel toolbox and with a copy of instruction manual. The items supplied shall be of the best quality, specially protected against rusting. The following shall be provided as minimum requirement.



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- | | |
|-----------------------------------|---|
| i. Adjustable spanner | One (1) |
| ii. Wrench spanner | One (1) |
| iii. Oil gun | One (1) |
| iv. Set of Screw driver | Min 6 nos. (of different sizes suiting various types and capacities of Chain Pulley Blocks) |
| v. 2 lb hammer with wooden handle | One (1) |
| vi.. Grease Gun | One (1) |

Note: All maintenance tools & tackles are to be supplied in a tool box.

Any other item required for maintenance shall also be provided.

5.0 ESSENTIAL SPARES: -

Refer Annexure II

6.0 DRAWINGS/DESIGN DOCUMENTS FOR SUBMISSION (during detailed engineering)

A. For Approval

- G.A. drawing showing clearances, assembly, cross section details, materials of construction, lifts & approaches etc.
- Quality plan
- Test certificates & reports on various shop tests (For verification only)

For details refer section II, Annexure IV

7.0 DEVIATIONS

- If the offer submitted has got any deviations from technical specification in the tender document. Bidder shall tabulate the same in the 'Deviation sheet (cost of withdrawal)' format furnishing full particulars of such deviations. Deviations are to be furnished with mention to specific clause numbers notes/ comments e.g. "Refer to forwarding letter" etc. is not acceptable. Cost of withdrawal of deviations to be put against each deviation.
- If there are no deviations from the tender document, bidder shall indicate so in deviation format.
- Reasons/explanations for such deviations shall be furnished.

8.0 DEMONSTRATION TEST

- The chain pulley blocks along with other accessories shall be demonstrated for the rated capacity. Inspection & testing shall be as per section IC, section-I
- The bidder shall have full responsibility for the safe and efficient operation of the chain pulley blocks and traveling trolley with associated accessories as a single unit.
- If the shop performance tests indicate the failure of any of the components to achieve the functional performance, the deficiency shall be made good at bidder's cost.
- Demonstration test shall be carried out each time after the rectification modification is carried out.



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9.0 PACKING

Packing shall be for normal environment in wooden box.

10.0 SCOPE OF SUPPLY

Sl no.	Details of Works or Equipment/System	Qty. (No.)
1	CPB with travelling trolley 1Ton, 6.0 M lift. (non-hazardous area)	58
2	CPB with travelling trolley 2Ton, 6.0 M lift. (non-hazardous area)	14
3	CPB with travelling trolley 3Ton, 6.0 M lift. (non-hazardous area)	1
4	CPB with travelling trolley 5Ton, 6.0 M lift. (non-hazardous area)	1
5	CPB without travelling trolley 1Ton, 6.0 M lift. (non-hazardous area)	58
6	CPB without travelling trolley 2Ton, 6.0 M lift. (non-hazardous area)	29
7	CPB without travelling trolley 3Ton, 6.0 M lift. (non-hazardous area)	45
8	CPB without travelling trolley 5Ton, 6.0 M lift. (non-hazardous area)	32
9	CPB without travelling trolley 8 Ton, 6.0 M lift. (non-hazardous area)	1
10	CPB without travelling trolley 10Ton, 6.0 M lift. (non-hazardous area)	12
11	CPB with travelling trolley 2Ton, 6.0 M lift. (Hazardous area)	4
12	Maintenance tools and tackles for CPB upto 3T capacity	1
13.	Maintenance tools and tackles for CPB above 3T capacity	1
14	Essential spares (refer annexure-II of the specification PE-TS-RC-563-A101)	1



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QUALITY ASSURANCE

Chain pulley blocks shall be inspected and tested as per standard quality plan enclosed. Any additional inspection & testing requirement / CHP (customer's hold point) deemed necessary by customer/BHEL during detailed engineering shall also be complied with without any commercial or delivery implication.

Chain pulley block shall be completely assembled at manufacturer's works and minimum following tests shall be conducted at works

- a) Over load test
- b) Rated load test
- c) Other tests as per IS-3832.

The scope of inspection & testing shall include but not limited to the following:

- a) Material identification / co-relation for important items like hook, load chain, hand chain, wheels, ratchet and pawl etc.
- b) Hardness for pawl and ratchet
- c) Dye penetration test/ UT test for hooks
- d) Operational test including operational effort, velocity ratio etc.
- e) Proof load test upto 1.5 times of working load limit.
- f) Dimensional check of hook
- g) Marking

For details, refer standard quality plan enclosed below.

VOL IIB, SEC C

	MANUFACTURER'S NAME & ADDRESS :	MANUFACTURING QUALITY PLAN ITEM : Chain Pulley Block QP No.: PE-TS-RC-563-A101 REV.: 0, Date.: , PAGE: 2 OF 4	PROJECT : RATE CONTRACT PACKAGE : CHAIN PULLEY BLOCK VOL IIB, SEC C
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Sr. No.	COMPONENT / OPERATION	CHARACTERISTICS	CLAS S	TYPE OF CHECK	QUANTU M OF CHECK		REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	AGENCY			REMARKS
					M	C/N				M	C	N	
					6.					10.			
1.	2.	3.	4.	5.			7.	8.	9.				11.

1.3	RAW MATL. (BAR /FORGING) FOR GEAR/ RATCHET PAWL / RATCHET WHEEL & PLATES FOR FABRICATION	CHEMICAL COMPOSITION MECHANICAL INTERNAL DEFECTS	MA MA MA	Review Review UT	ONE SAMPLE PER HEAT 100%	Material specification as per approved drawings. ASTM A-388 REFER NOTE 1		MFR’ S TC IR	✓ ✓ ✓	P P P	V V V	V V V	TC or inspection report for components shall be given. For rounds ≥40mm and plates ≥20.
1.4.	LOAD CHAIN WHEELS	- CHEMICAL & MECHANICAL PROPERTIES	MA	CHEMICAL MECHANICAL PROPERTIES	ONE SAMPLE PER LOT	APPD. DRG.	APPD. DRG.	MTC	✓	P	V	V	
1.5	BEARINGS	MAKE, TYPE, CATALOGUE NO.	MA	VISUAL	RANDOM	APP DRG / MFR”S CATALOGUE	APP DRG / MFR”S CATALOGUE	IR	✓	P	V	V	
1.6	HAND CHAIN WHEEL	CHEMICAL MECHANICAL PROPERTIES	MA	CHEMICAL MECHANICAL PROPERTIES	ONE SAMPLE PER LOT	AS PER DRAWING	AS PER DRAWING	MTC	✓	P	V	V	
1.7	HAND CHAIN	GRADE/ DIMENSION	MA	GRADE DIMENSION	100%	AS PER DRAWING	AS PER DRAWING	MTC	✓	P	V	V	

MANUFACTURER / CONTRACTOR SUB-CONTRACTOR SIGNATURE	LEGEND: ** M : MANUFACTURER / SUB-SUPPLIER C : BHEL / NOMINATED INSPECTION AGENCY. N : CUSTOMER/ NOMINATED INSPECTION AGENCY. INDICATE "P" PERFORM "W" WITNESS AND "V" VERIFICATION	FOR CUSTOMER USE	
		REVIEWED BY	NAME & SIGN OF APPROVING AUTHORITY & SEAL

	MANUFACTURER'S NAME & ADDRESS :	MANUFACTURING QUALITY PLAN ITEM : Chain Pulley Block QP No.: PE-TS-RC-563-A101 REV.:0, Date.: , PAGE: 3 OF 4	PROJECT : RATE CONTRACT PACKAGE : CHAIN PULLEY BLOCK VOL IIB, SEC C
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Sr. No.	COMPONENT / OPERATION	CHARACTERISTICS	CLAS S	TYPE OF CHECK	QUANTU M OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	AGENCY	REMARKS
					M C/N				M C N	
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

1.8	TROLLEY GEARS, PINION,WHEELS, AXLE	CHEMICAL & MECHANICAL	MA	LAB ANALYSIS,	100%	APPVD DRGS	APPVD DRGS	IR/TC	✓	P	V	V	
2	IN PROCESS												
2.1	RATCHET PAWL / RATCHET WHEEL	-HARDNESS -SURFACE CRACK	MA MA	HARDNESS DPT	100% 100 %	IS:3832/ APPD DRG. ASTM E165	IS:3832/ APPD. DRG. NO DEFECT	IR IR	✓ ✓	P P	V V	V V	
2.2	GEARS AND PINIONS AFTER MACHINING	HEAT TREATMENT SURFACE HARDNESS SURFACE CRACK DIMENSION	MA MA MA MA	HT CHART HARDNESS DPT FOR SURFACE CRACK MEASURE	100% 10% 100% 10%	IS 1875/IS 4367/IS 3832 --DO-- ASTM E 165	NO DEFECT	IR IR IR IR	✓ ✓ ✓ ✓	P P P P	V V V V	V V V V	
3.0	FINAL INSPECTION												
3.1	COMPLETE ASSEMBLY	OVERALL DIMENSION ENDURNACE TYPE TEST OPERATIONAL PROOF LOAD & LIGHT LOAD TEST HEIGHT OF LIFT	CR MA CR MA	MEASUREMENT TYPE TEST LOAD TEST VISUAL	100 % 1 PER SIZE 100% 100 %	IS:3832 /APPD DRG IS 3832 -DO- -DO-	IS:3832 /APPD DRG IS 3832 -DO- -DO-	IR TC IR IR	✓ ✓ ✓ ✓	P P P P	W V W W	V V V V	

MANUFACTURER / CONTRACTOR SUB-CONTRACTOR SIGNATURE	LEGEND: ** M : MANUFACTURER / SUB-SUPPLIER C : BHEL / NOMINATED INSPECTION AGENCY. N : CUSTOMER/ NOMINATED INSPECTION AGENCY. INDICATE "P" PERFORM "W" WITNESS AND "V" VERIFICATION	FOR CUSTOMER USE 	

REVIEWED BY	NAME & SIGN OF APPROVING AUTHORITY & SEAL
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	MANUFACTURER'S NAME & ADDRESS :	MANUFACTURING QUALITY PLAN ITEM : Chain Pulley Block QP No.: PE-TS-RC-563-A101 REV.:0, Date.: , PAGE: 4 OF 4	PROJECT : RATE CONTRACT PACKAGE : CHAIN PULLEY BLOCK VOL IIB, SEC C

Sr. No.	COMPONENT / OPERATION	CHARACTERISTICS	CLAS S	TYPE OF CHECK	QUANTU M OF CHECK		REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	AGENCY			REMARKS
					M	C/N				M	C	N	
					6.					10.			
1.	2.	3.	4.	5.			7.	8.	9.				11.

		SWIVELING OF HOOK	MA	VISUAL	100%	APPROVED DRG	APPROVED DRG	IR	✓	P	W	V	
		EFFORT	MA	PULL ON CHAIN	100%	-DO-	-DO-	IR	✓	P	W	V	
3.2	PAINTING	-CLEANING - SHADE & DFT OF PAINT	MA MI	VISUAL VISUAL	AT RANDOM AT RANDOM	APPROVED DRAWING/ SPECIFICATI ON	APPROVED DRAWING/ SPECIFICATI ON	IR IR		P p	--- W	--- ---	
3.3	NAME PLATE	VERIFICATION	MA	VISUAL	100%			IR		P	V	---	
3.4	PACKING	-VERIFICATION	MI	VISUAL	100%	SPECS.	SPECS.	IR		P	---	---	
3.5	REVIEW OF QA DOCUMENTATION	VERIFICATION	MA	VISUAL	100%	APPD. QP	APPD. QP		✓	V	V	V	

CR – CRITICAL, MA – MAJOR, MI – MINOR

NOTE 1: WHEN BACK WALL ECHO (BWE) IS SET AT 100% OF FULL SCREEN HEIGHT (FSH) IN DEFECT FREE AREA THEN

(A) DEFECT ECHO SHALL NOT EXCEED 20% OF FSH &

(B) BWE SHOULD BE MINIMUM 80% OF FSH IN ANY AREA.

NOTE 2: RECORDS IDENTIFIED WITH TICK SHALL BE ESSENTIALLY INLCUDED IN QA DOCUMENTATION.

	LEGEND:	FOR CUSTOMER USE	
MANUFACTURER / CONTRACTOR	** M : MANUFACTURER / SUB-SUPPLIER		
SUB-CONTRACTOR	C : BHEL / NOMINATED INSPECTION AGENCY.		
SIGNATURE	N : CUSTOMER/ NOMINATED INSPECTION AGENCY.		
	INDICATE "P" PERFORM "W" WITNESS AND "V" VERIFICATION	REVIEWED BY	NAME & SIGN OF APPROVING AUTHORITY & SEAL



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SECTION-I

SUB-SECTION – ID

DATA SHEET- A

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DATA SHEET-A

- 1.00.0 Type : Chain pulley block with/ without travelling trolley
- 2.00.00 Capacity & Lift : As per price format
- 3.00.00 Design : IS: 3832
- 4.00.00 Duty Class as per IS: 3832 : Class –II (Indoor/outdoor as per scope of supply, Non. Hazardous / Hazardous)
- 5.00.00 Hoisting Mechanism
- a) Type : Hand operated gear transmission
- b) Load Chain :
- i) Type : Link type
- ii) Material : As per IS: 3077 / IS3109/IS 6216
- iii) Conforms to (Std./Code): IS: 3077/3109/IS 6216
- c) Hand Chain :
- i) Type : Link type
- ii) Material : Mild steel (grade 30) as per IS 2429 Part I / II
- d) Load Hook & Hook Block :
- i) Type of load hook : Plain shank- Trapezoidal section
- ii) Load hooks conforms to: IS: 15560
- iii) Type of hook suspension: Swiveling
- iv) Type of make of bearing : Thrust ball bearing of hook suspension
- e) Gears / pinion :
- i) Type : Spur / Helical
- ii) Material : Alloy steel / carbon steel / high graded cast iron
- iii) Type of bearing used : Antifriction ball bearing / Roller
- f) Sprockets
- i) Type of bearings used : Antifriction ball bearing / Roller
- g) Method of lubrications Used
- i) Bearings : Grease
- ii) Gearing & Pinions : Grease
- iii) Sprockets : Grease
- h) Brakes (Type) : Screw and friction disc type
- i) Load chain wheel
- a) Material : As per IS 3832
- j) Hoisting effort : Shall not exceed 20 kgf for cap upto 3T and 25 kgf for cap above 3T

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6.00.0 Trolley & Bridge Drive

- a) Trolley
 - i) Type : Geared (Manually operated)
 - ii) Material of frame : Rolled structural steel (IS:2062 Grade A or B)
- b) Drive Chain
 - i) Type : Link type
 - ii) Material : Steel Gr.30
- c) Trolley Wheel
 - i) Number of pairs of wheel in each trolley/bridge : Two/four
 - ii) Flange : Single flanged
 - iii) Wheel material : As per IS 3832
 - iv) Type of bearings need : Antifriction
- d) Gears/ Pinions
 - i) Type : Spur / helical
 - ii) Material : Alloy/ Carbon steel
 - iii) Type of bearings used : Antifriction
- e) Method of lubrication for
 - i) Bearings : Grease
 - ii) Sprockets : Grease
- f) Hand chain wheel
 - i) Material : As per IS 3832
- g) Trolley effort : Shall not be more than 20/55 kg for hoists above 3 ton cap.

7.0.0 SPECIFIC REQUIREMENT FOR CHAIN PULLEY BLOCKS FOR HAZARDOUS AREA:

MOC for Ratchet wheel, chain guides and gears: HTB2 / Solid construction in aluminum bronze or phosphor bronze

MOC for hand chain wheel: Solid construction/ rims of aluminum bronze or phosphor bronze

MOC for hand chain wheel guides:- Solid construction in aluminum bronze or phosphor bronze

MOC for Un-geared & geared wheels: HTB2/PB-4 lining on trolley wheels



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SECTION – I

ANNEXURES



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ANNEXURE-I

MAKES OF SUB VENDORS ITEMS

Following makes of bought out items shall be considered:

Steel SAIL/ TISCO/ JINDAL/ ESSAR

Steel Forgings Chowdhary/Western India Forgings/ Hindustan Steel Forgings/ Ruby Forgings or as approved by BHEL.

Hook Steel Forgings/ Karachiwala/Smriti/Nasik Forge.

Brakes OEM

NOTE:

1. THE SUB VENDOR LIST ABOVE IS INDICATIVE ONLY AND IS SUBJECT TO BHEL AND CUSTOMER APPROVAL DURING DETAILED ENGINEERING STAGE WITHOUT ANY COMMERCIAL & DELIVERY IMPLICATION TO BHEL.

BIDDER TO PROPOSE SUB VENDOR WITHIN 4 WEEKS OF PLACEMENT OF LOI. THEREAFTER NO REQUEST FOR ADDITIONAL SUB-VENDOR SHALL BE ENTERTAINED.

2. DEALERS ARE NOT ACCEPTABLE FOR ANY ITEM OF THE PACKAGE. BIDDER SHALL PROCURE ALL ITEMS INCLUDING PLATES, STRUCTURAL, FLANGES; COUNTER FLANGES ETC. FROM APPROVED SUB VENDOR ONLY.
3. THE INSPECTION CATEGORY WILL BE INTIMATED AFTER AWARD OF CONTRACT BY BHEL/CUSTOMER. HOWEVER THE SAME WILL BE ADHERED BY THE BIDDER WITHOUT ANY COMMERCIAL AND DELIVERY IMPLICATION TO BHEL/ CUSTOMER.

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Annexure II**STANDARD ESSENTIAL SPARES LIST FOR CHAIN PULLEY BLOCK**

Sl no.	Description	Qty
1.1	ESSENTIAL SPARES OF CHAIN PULLEY BLOCK FOR 1T, 6M CPB with TT, non-hazardous area	
1.1.1	Load chain Wheel	1 no
1.1.2	Load chain stripping fork	1 no
1.1.3	Hand Chain wheel	1 no
1.1.4	Ratchet pawl	1 no
1.1.5	Locking ratchet wheel	1 no
1.1.6	Guide roller	1 no
1.1.7	Brake disc	1 no
1.1.8	Bearings of each type & size used in load chain wheels, lifting hook.	1 set
1.1.9	Bearings of each type & size used in trolley wheels.	1 set
1.1.10	Load chain (for hoisting)	per metre
1.1.11	Hand chain (for hoisting)	per metre
1.1.12	Hand chain (for travelling)	per metre
1.1.13	Grooved pulley	1 set
1.1.14	Pinion	1 set
1.1.15	Shaft pin	1set
1.2	ESSENTIAL SPARES OF CHAIN PULLEY BLOCK FOR 2T, 6M CPB with TT, non-hazardous area	
1.2.1	Load chain Wheel	1 no
1.2.2	Load chain stripping fork	1 no
1.2.3	Hand Chain wheel	1 no
1.2.4	Ratchet pawl	1 no
1.2.5	Locking ratchet wheel	1 no
1.2.6	Guide roller	1 no
1.2.7	Brake disc	1 no
1.2.8	Bearings of each type & size used in load chain wheels, lifting hook.	1 set
1.2.9	Bearings of each type & size used in trolley wheels.	1 set
1.2.10	Load chain (for hoisting)	per metre
1.2.11	Hand chain (for hoisting)	per metre
1.2.12	Hand chain (for travelling)	per metre
1.2.13	Grooved pulley	1 set
1.2.14	Pinion	1 set
1.2.15	Shaft pin	1 set
1.3	ESSENTIAL SPARES OF CHAIN PULLEY BLOCK FOR 3T, 6M CPB with TT, non-hazardous area	
1.3.1	Load chain Wheel	1 no
1.3.2	Load chain stripping fork	1 no
1.3.3	Hand Chain wheel	1 no
1.3.4	Ratchet pawl	1 no
1.3.5	Locking ratchet wheel	1 no
1.3.6	Guide roller	1 no
1.3.7	Brake disc	1 no
1.3.8	Bearings of each type & size used in load chain wheels, lifting hook.	1 set
1.3.9	Bearings of each type & size used in trolley wheels.	1 set
1.3.10	Load chain (for hoisting)	per metre
1.3.11	Hand chain (for hoisting)	per metre

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1.3.12	Hand chain (for travelling)	per metre
1.3.13	Grooved pulley	1 set
1.3.14	Pinion	1 set
1.3.15	Shaft pin	1 set
1.4	ESSENTIAL SPARES OF CHAIN PULLEY BLOCK FOR 5T, 6M CPB with TT, non-hazardous area	
1.4.1	Load chain Wheel	1 no
1.4.2	Load chain stripping fork	1 no
1.4.3	Hand Chain wheel	1 no
1.4.4	Ratchet pawl	1 no
1.4.5	Locking ratchet wheel	1 no
1.4.6	Guide roller	1 no
1.4.7	Brake disc	1 no
1.4.8	Bearings of each type & size used in load chain wheels, lifting hook.	1 set
1.4.9	Bearings of each type & size used in trolley wheels.	1 set
1.4.10	Load chain (for hoisting)	per metre
1.4.11	Hand chain (for hoisting)	per metre
1.4.12	Hand chain (for travelling)	per metre
1.4.13	Grooved pulley	1 set
1.4.14	Pinion	1 set
	Total(1.4.1 to 1.4.15)	
1.5	ESSENTIAL SPARES OF CHAIN PULLEY BLOCK FOR 1T, 6M CPB without TT, non-hazardous area	
1.5.1	Load chain Wheel	1 no
1.5.2	Load chain stripping fork	1 no
1.5.3	Hand Chain wheel	1 no
1.5.4	Ratchet pawl	1 no
1.5.5	Locking ratchet wheel	1 no
1.5.6	Guide roller	1 no
1.5.7	Brake disc	1 no
1.5.8	Bearings of each type & size used in load chain wheels, lifting hook.	1 set
1.5.9	Load chain (for hoisting)	per metre
1.5.10	Hand chain (for hoisting)	per metre
1.5.11	Grooved pulley	1 set
1.5.12	Pinion	1 set
1.5.13	Shaft pin	1 set
1.6	ESSENTIAL SPARES OF CHAIN PULLEY BLOCK FOR 2T, 6M CPB without TT, non-hazardous area	
1.6.1	Load chain Wheel	1 no
1.6.2	Load chain stripping fork	1 no
1.6.3	Hand Chain wheel	1 no
1.6.4	Ratchet pawl	1 no
1.6.5	Locking ratchet wheel	1 no
1.6.6	Guide roller	1 no
1.6.7	Brake disc	1 no
1.6.8	Bearings of each type & size used in load chain wheels, lifting hook.	1 set
1.6.9	Load chain (for hoisting)	per metre
1.6.10	Hand chain (for hoisting)	per metre
1.6.11	Grooved pulley	1 set
1.6.12	Pinion	1 set

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1.6.13	Shaft pin	1 set
1.7	ESSENTIAL SPARES OF CHAIN PULLEY BLOCK FOR 3T, 6M CPB without TT, non-hazardous area	
1.7.1	Load chain Wheel	1 no
1.7.2	Load chain stripping fork	1 no
1.7.3	Hand Chain wheel	1 no
1.7.4	Ratchet pawl	1 no
1.7.5	Locking ratchet wheel	1 no
1.7.6	Guide roller	1 no
1.7.7	Brake disc	1 no
1.7.8	Bearings of each type & size used in load chain wheels, lifting hook.	1 set
1.7.9	Load chain (for hoisting)	per metre
1.7.10	Hand chain (for hoisting)	per metre
1.7.11	Grooved pulley	1 set
1.7.12	Pinion	1 set
1.7.13	Shaft pin	1 set
1.8	ESSENTIAL SPARES OF CHAIN PULLEY BLOCK FOR 5T, 6M CPB without TT, non-hazardous area	
1.8.1	Load chain Wheel	1 no
1.8.2	Load chain stripping fork	1 no
1.8.3	Hand Chain wheel	1 no
1.8.4	Ratchet pawl	1 no
1.8.5	Locking ratchet wheel	1 no
1.8.6	Guide roller	1 no
1.8.7	Brake disc	1 no
1.8.8	Bearings of each type & size used in load chain wheels, lifting hook.	1 set
1.8.9	Load chain (for hoisting)	per metre
1.8.10	Hand chain (for hoisting)	per metre
1.8.11	Grooved pulley	1 set
1.8.12	Pinion	1 set
1.8.13	Shaft pin	1 set
1.9	ESSENTIAL SPARES OF CHAIN PULLEY BLOCK FOR 8T, 6M CPB without TT, non-hazardous area	
1.9.1	Load chain Wheel	1 no
1.9.2	Load chain stripping fork	1 no
1.9.3	Hand Chain wheel	1 no
1.9.4	Ratchet pawl	1 no
1.9.5	Locking ratchet wheel	1 no
1.9.6	Guide roller	1 no
1.9.7	Brake disc	1 no
1.9.8	Bearings of each type & size used in load chain wheels, lifting hook.	1 set
1.9.9	Load chain (for hoisting)	per metre
1.9.10	Hand chain (for hoisting)	per metre
1.9.11	Grooved pulley	1 set
1.9.12	Pinion	1 set
1.9.13	Shaft pin	1 set
1.10	ESSENTIAL SPARES OF CHAIN PULLEY BLOCK FOR 10T, 6M CPB without TT, non-hazardous area	
1.10.1	Load chain Wheel	1 no
1.10.2	Load chain stripping fork	1 no

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1.10.3	Hand Chain wheel	1 no
1.10.4	Ratchet pawl	1 no
1.10.5	Locking ratchet wheel	1 no
1.10.6	Guide roller	1 no
1.10.7	Brake disc	1 no
1.10.8	Bearings of each type & size used in load chain wheels, lifting hook.	1 set
1.10.9	Load chain (for hoisting)	per metre
1.10.10	Hand chain (for hoisting)	per metre
1.10.11	Grooved pulley	1 set
1.10.12	Pinion	1 set
1.10.13	Shaft pin	1 set
1.11	ESSENTIAL SPARES OF CHAIN PULLEY BLOCK FOR 2T, 6M CPB with TT for hazardous area	
1.11.1	Load chain Wheel	1 no
1.11.2	Load chain stripping fork	1 no
1.11.3	Hand Chain wheel	1 no
1.11.4	Ratchet pawl	1 no
1.11.5	Locking ratchet wheel	1 no
1.11.6	Guide roller	1 no
1.11.7	Brake disc	1 no
1.11.8	Bearings of each type & size used in load chain wheels, lifting hook.	1 set
1.11.9	Bearings of each type & size used in trolley wheels.	1 set
1.11.10	Load chain (for hoisting)	per metre
1.11.11	Hand chain (for hoisting)	per metre
1.11.12	Hand chain (for travelling)	per metre
1.11.13	Grooved pulley	1 set
1.11.14	Pinion	1 set
1.11.15	Shaft pin	1 set

Notes:

1. The lists of spares indicated are for the type equipment generally used in thermal power plants. If the design or type of equipment proposed by the bidder is different, then the bidder shall suit the spares list according to the type of equipment. However, the numbers or quantity of spares, indicated shall not be reduced.
2. All essential spares shall be supplied as per the requirement of the specifications. In case any spare indicated in the specification is not applicable for particular equipment then suitable applicable alternate spare have been offered / shall be supplied without any financial implication.
3. Any change or variation in equipment or systems during detailed engineering stage which would cause changes / variations in the essential spares quantity, shall be supplied by Vendor without any commercial implications.
4. For quantities indicated in percentage, fractions are to be rounded-off to next higher integer.
5. Any item which is "not applicable" in the above list and is found to be "applicable" at a later date shall be supplied by the Vendor without any extra cost.
6. If any of the items of spares ordered is found to be not applicable during detailed engineering stage/execution stage, the contractor will have to supply alternative items of spares.
7. "One (1) set of each type & size" is defined as 100% requirement for one CPB.



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Annexure III
PAINTING

Painting of the equipment shall be carried out to protect the same from rusting / corrosion during shipping, long storage at site, erection, and during its normal operation / usage.

Whilst the essential requirements of surface preparation and painting are specified here, these in no way relieve the contractor of his responsibility to carry out his work in accordance with good practices. However, any deviation/modification from the specification shall be referred to the purchaser for approval.

The following specification shall be followed in general for manual hoists and its accessories. Vendor to note that the same is indicative and specific requirement (including color coding) shall be informed on project to project basis.

Hoist:

A) SURFACE CLEANING -Shot blast cleaning/ abrasive blast cleaning to SA 2 1/2 (near white metal) 35-50 microns.

PRIMER PAINT:-

2 COATS OF AIR DRYING EPOXY POLYAMIDE RESIN BASED RED OXIDE ZINC PHOSPHATE
 DFT-100 MICRON (50 MICRON PER COAT).

INTERMEDIATE PAINT:-2 PACK OF AIR DRYING HIGH BUILD EPOXY RESIN BASED PAINT WITH MIO /TiO2
 DFT 100 MICRONS.

FINISH PAINT: TWO COATS OF AIR DRYING EPOXY POLYAMIDE ENAMEL SUITABLY PIGMENTED 75 MICRON WITH GLOSSY FINISH. (Min 35 MICRON/COAT). ADDITIONAL ONE COAT (MINIMUM DFT OF 25 MICRONS) OF FINISH COAT OF POLYURETHANE SHALL BE PROVIDED.

TOTALDFT=300 MICRON

Shade

Structure: Golden yellow , RAL 1004

B) Steel surface which is to be painted shall be cleaned of dust and grease and the heavier layers of rust shall be removed by chipping prior to actual surface preparation. The surface shall be abrasive blasted to Sa 2½ finish as per SIS05-5900. Primer paint shall be Zinc Silicate/phosphate of approved brand. Dry film thickness of each primer shall be 60 microns. Two intermediate MIO Epoxy paint, and one top polyurethane coating of approved brand shall be applied. Dry film thickness of each intermediate coat shall be 90 microns and top polyurethane coating shall be 30 microns. The under coat and finish coat shall be of different tint to distinguish the same from finish paint. The total dry film thickness shall be 330 microns

Shade

Structure: Golden yellow , Shade 356 of IS 5 / Shade 540 of IS 5.

C) Surface preparation : Steel Surfaces : Blasting according to SIS 055900 grade Sa 2½

Primer: One (1) layers of Primer paint shall be Solvent based IZS - VS of 60%. Zn Dust - 1.77 kg/ltr minimum. Zn dust by weight - minimum 85%. Pot life 12 hrs/ 21 Deg.- Paint to meet compositional & performance specifications for SSPC Paint 20, Level 1, DFT 75 µm.



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Touch up: One (1), Two component Zinc rich Primer meeting performance and compositional specifications of SSPC Paint 20 Level2, DFT 75 µm.

Mid Coat: One (1), 2 pack High build High Solid Lamellar MIO based Epoxy Mid coat., DFT 200 µm.

Finish Coat: One (1) finishing coats of 2 pack Acrylic Aliphatic Polyurethane top coat - with Gloss retention of at least 90% on QUVB exposure of minimum 1000 hrs. DFT 75 µm.

DFT : 330µm

Mechanical Components and Motor: Surface preparation : Blasting according to SIS 055900 grade Sa 2½

Catalyzed Zn rich Primer with a VS of 60% min, complying to SSPC Paint 20 level 2 DFT 75 µm.

Finish Coat : Two (2) finishing coat of two component High Build high Solid Aliphatic Amine Cured Epoxy coating. - Min VS 85%. DFT 200 µm.

Total DFT : 275 µm

Note: Hook block shall be painted with golden yellow.

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ANNEXURE – IV

A.0 DRAWINGS/DESIGN DOCUMENTS FOR SUBMISSION (during detailed engineering)

The successful bidder shall submit the following drawings / documents during detail engineering for customer's approval /information:

Sl. No.	BHEL DRG.NO	DRAWING TITLE	REMARKS	SUBMISSION SCHEDULE - WEEK NUMBER FROM DATE OF P.O
1	PE-V0-RC-563-A101	"GA Drawing for Chain Pulley Block with detail BOM with painting details	For Customer's approval	2
2	PE-V0-RC-563-A102	Manufacturing Quality Plan	For Customer's approval	2
3	PE-V0-RC-563-A104	Erection procedure	For BHEL's approval	4
4	PE-V0-RC-563-A103	O & M Manual	For BHEL's approval	4
5	PE-V0-RC-563-A106	Mandatory spare parts list (if applicable)	For Customer's approval	3

Notes:

BHEL/CUSTOMER SHALL COMMENT /APPROVE THE DRAWINGS WITHIN 15 DAYS OF RECEIPT OF DRAWINGS.

VENDOR SHALL RESUBMIT THE REVISED DRAWINGS WITHIN 7 DAYS OF RECEIPT OF COMMENTS.

INCOMPLETE DRAWINGS/DOCUMENTS SHALL NOT BE TREATED AS SUBMITTED.

MANUFACTURING SHALL BE STARTED ON RECEIPT OF CAT II APPROVED DRAWINGS.

B.0 NO.OF DRAWINGS/DOCUMENTS FOR SUBMISSION (Project specific *)

A.	Drawing for Approval	No. of prints/copies (hard prints)
i.	For approval	8
ii.	For final distribution (after the vendor obtains Final approval from the customer).	12
B.	Certificate, reports etc. (Material test, inspection Report and all other type of tests etc.)	6
C.	O&M Manual	
I.	Draft for approval	2
ii.	For final distribution	12

Note:

a) The number of prints/hard copies are indicative and may change on project to project basis.

b) Bidder to note that all the drawings and documents shall also be submitted on CD's (compact discs) in following software.

- I. All the drawings shall be prepared in AutoCAD.
- II. All the documents shall be prepared MS word / EXCEL.
- III. PDF files for all drawings/documents shall also be submitted.



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C.0 DOCUMENT MANAGEMENT SYSTEM

1.0 Bidder to note that BHEL reserves the right for drawing/document submission through web based Document Management System. Bidder would be provided access to the DMS for drawing/document approval and adequate training for the same. Detailed methodology would be finalized during the kick-off meeting. Bidder to ensure following at their end.

- Internet explorer version – Minimum Internet Explorer 7.
- Internet speed – 2 mbps (Minimum preferred).
- Pop ups from our external DMS IP (124.124.36.198) should not be blocked.
- Vendor's internal proxy setting should not block DMS application's link (<http://124.124.36.198/wrenchwebaccess/login.aspx>).

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ANNEXURE -V

Check List for Operation & Maintenance Manual

1	Project name	:
2	Project number	:
3	Package Name	:
4	PO reference	:
5	Document number	:
6	Revision number	:

Sl.no. & Sections	Description	Tick (√)if included in Manual			Remarks
		Yes	No	Not Applicable	
1.	Cover page				
1.1	Project Name				
1.2	Customer/consultant Name				
1.3	Name of Package				
1.4	Supplier details with phone, FAX ,email address , Emergency Contact number				
1.5	Name and sign of prepared by , checked by & approved by				
1.6	Revision history with approval Details				
2.0	Index				
2.1	showing the sections & related page nos All the pages should be numbered section wise				
3.0	Description of Plant/System				
3.1	Description /write up of operating principle of system equipment/ associated sub-systems & accessories/controls system , operating conditions, performance parameters under normal , start up and special cases				
3.2	Equipment list and basic parameter with Tag numbers				
3.3	Data sheets approved by Customer/for information and catalogues provided by original manufacturer				
3.4	Associated other packages and Interface /terminal points				
3.5	P&ID & Process Diagrams				
3.6	GA Layout drawings, As-built drawings , Actual photograph of items/system (Drawings of A2 & bigger sizes are to be attached in the last)				
3.7	Single line/wiring diagrams				

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3.8	Control philosophy /control write-ups				
4.0	Commissioning Activities (if not covered in separate document i.e. erection manual, commissioning manual)				
4.1	Pre-Commissioning Checks				
4.2	handling of items at site				
4.3	Storage at site				
4.4	Unpacking & Installation procedure				
5.0	Operation Guidelines for plant personal/user/operator				
5.1	Interlock & Protection logic along with the limiting values of protection settings for the equipment along with brief philosophy behind the logic, drawings etc. to be provided.				
5.2	Start up, normal operation and shut down procedure for equipments along with the associated systems in step by step mode. Valve sequence chart, step list, interlocks etc. with Equipment isolating procedures to be mentioned.				
5.3	Do's & Don't of the equipments.				
5.4	Safety precautions to be taken during normal operation. Safety symbols, Emergency instructions on total power failure condition/lubrication failure/any other condition				
5.5	Parameters to be monitored with normal values and limiting values				
5.6	Trouble shooting with causes and remedial measures				
5.7	Routine operational checks, recommended logs & records				
5.8	Changeover schedule if more than one auxiliary for the same purpose is given				
5.9	Painting requirement and schedule				
5.10	Inspection, repair , Testing and calibration procedures				
6.0	Maintenance guidelines for plant personal				
6.1	List of Special Tools and Tackles required for Overhaul/Trouble shooting including special testing equipment required for calibration etc.				
6.2	Stepwise dismantling and re-assembly procedure clearly specifying the tools to be used, checks to be made, records to be maintained, clearances etc. to be				

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	mentioned. Tolerances for fitment of various components to be given.				
6.3	Preventive Maintenance & Overhauling schedules linked with running hours/calendar period along with checks to be given				
6.4	Long term maintenance schedules especially for structural, foundations etc.				
6.5	Consumable list along with the estimated quantity required during commissioning, normal running and during maintenance like Preventive Maintenances and Overhaul. Storage/handling requirement of consumables/self-life.				
6.6	List of lubricants with their Indian equivalent, Lubrication Schedule, Quantity required for each equipment for complete replacement is to be given				
6.7	List of vendors & Sub-vendors with their latest addresses, service centres ,Telephone Nos., Fax Nos., Mobile Nos., e-mail IDs etc.				
6.8	List of mandatory and recommended spare parts list				
6.9	Tentative Lead time required for ordering of spares from the equipment supplier				
6.10	Guarantee and warranty clauses				
7.0	Statutory and other specific requirements considerations.				
8.0	List of reference documents				
9.0	Binding as per requirement				

Checked by
Dealing Engineer

Key Resource Person

Section Head



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SECTION – IIA

STANDARD TECHNICAL REQUIREMENTS



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GENERAL

This specification covers the design, manufacture, assembly, painting, inspection and testing at manufacturer's works of hand operated chain pulley block.

CODES AND STANDARDS

The design, manufacture, inspection and testing and performance of hand operated chain pulley blocks shall confirm to latest editions of the following standards : -

IS: 3832	Specification for hand operated chain pulley block.
IS 807:1976	Codes of Practice for Design, Manufacture, Erection and Testing (Structural Portion) of cranes and hoists.
IS: 3109(Part II)	Calibrated load chain for pulley blocks and other lifting appliances
IS: 2429(Part I)	Non calibrated hand chain for pulley blocks and other lifting appliances
IS: 4460	Method for rating of machine cut spur and helical gears
IS 3077:2001	Short Link Chain, Calibrated for Chain Pulley Blocks and other Lifting Appliances
IS:15560: 2005	Point Hooks with Shank up to 160 Tonne – Specification
IS: 28	Specification for Phosphor Bronze Ingots and Castings (for hazardous area requirement)
IS: 305	Specification for Aluminum Bronze Ingots and Castings (for hazardous area requirement)

EQUIPMENT

Chain Pulley Block –	The block shall be so designed that all components shall withstand without failure, an application to the block of a load equal to at least four times the working load limit. The chain pulley block shall be a complete unit with trolley (if applicable), load chain, load chain wheel, hand chain, hand chain wheel, necessary gearing, brakes for hoisting, hook and other accessories. Factor of safety shall be (5) five for chain pulley block.
Frame-	Frame shall be robust in design and of welded construction .The frame shall be selected in such a way that head room requirement is minimum. Frame shall maintain alignment under all expected conditions of services.
Chain-	The load chain shall be electrically welded, accurately calibrated, and pitched and polished conforming to IS: 6216 Grade 80(T8)/ IS 3109 (Part 2) / IS 3077:2001 i. The load chain shall be electrically welded, accurately calibrated, and pitched and polished conforming to grade 40 as per IS 3109 (Part 2)/ IS 3077:2001 / IS 6216. ii. The hand chain shall also be electrically welded, pitched and polished and shall conform to IS: 2429 (Part II)/ grade 30 as per IS: 2429 (part-I). The length of chain and link dimension shall be as per IS: 3832.
Hook	The forged hook shall be properly heat treated and so designed that in loaded



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condition, it is free to swivel without twisting the load chain. The hook shall conform to IS: 15560

Reduction Gear-

The reduction gear shall be either spur or worm/ worm wheel type. The spur gear and worm shall be of high grade carbon steel and heat treated. The worm wheel shall be of bronze. A detachable steel cover shall be provided for total enclosure of the gear train and ample lubrication to be provided.

Brakes-

Brakes shall be of screw friction disc type self-actuating or any other superior type. Brake capacity shall be ample and humid atmosphere shall not affect materials used. The brake shall prevent self-lowering of load and arrest and sustain load in all working positions. The load brake shall also allow smooth lowering of the load without serious overheating which may impair working of block

Bearing-

Bearing used shall be as per guidelines laid down in IS: 3832.

Chain Wheels-

The load chain wheel shall be made of heavy duty malleable casting and shall be designed to ensure, effective operation of the chain. Load chain wheels shall be mounted on two ball bearings. Hand chain wheel shall be made from malleable casting/pressed sheet steel. The idler wheel shall be so shaped as to avoid the twisting of the chain during operation. The P.C.D of idler wheels shall be such that the bending action of the link is avoided. The hand chain wheel shall be provided with flanges and designed to ensure effective operation with hand chain.

Trolley

Monorail trolley frame shall be of heavy section rolled steel, held together by bolts. Wheels shall be of high grade cast iron/steel mounted on ball bearings. Axles and shafts shall be of carbon steel, accurately machined and suitably supported. The trolley shall be suitable for variations in I section beams. The trolley shall be geared travel type.

Other components-

All other components of chain pulley block such as anchorage, guide, pawl, stripper etc. shall be designed and provided as per IS: 3832.

Effort

Hoisting effort shall not exceed 20 kgf for cap upto 3T and 25 kgf for cap above 3T. Trolley effort shall not be more than 20/55 kg for hoists above 3 ton cap.

Each hoist shall be permanently and legibly stamped with tag number, manufacturer's name, safe working load, grade of load chain (if applicable), lift etc.



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DRAWINGS / DOCUMENTS TO BE SUBMITTED WITH THE BID:

Bidder shall submit the following drawings / documents along with their bid

- a) Deviation schedule with reference to specific clauses of the specification along with reason for such deviation or No deviation in the deviation sheet "cost of withdrawal" format given in GCC
- b) Copy of pre-bid clarifications, if any, duly signed & stamped before bid opening
- c) Signed/ Stamped copy of Compliance cum Confirmation Certificate (attached in Section-III)
- d) Unpriced copy of price format indicating quoted/ not quoted against each row/column along with cost of withdrawal / price implication format for deviations.

OFFER WILL BE CONSIDERED AS INCOMPLETE IN ABSENCE OF ANY OF ABOVE DOCUMENTS. DOCUMENT OTHER THAN ABOVE, IF ANY, SUBMITTED WITH THE OFFER WILL NOT FORM PART OF CONTRACT AND ACCORDINGLY WILL NOT BE CONSIDERED FOR BID EVALUATION.



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COMPLIANCE CUM CONFIRMATION CERTIFICATE

The bidder shall confirm compliance with following by signing/ stamping this compliance certificate (every sheet) and furnish same with the offer.

- a) The scope of supply, technical details, construction features, design parameters etc. shall be as per technical specification & there are no exclusions other than those mentioned under "exclusion" in section C and those resolved as per 'Schedule of Deviations', if applicable, with regard to same.
- b) There are no other deviations w.r.t. specifications other than those furnished in the 'Schedule of Deviations'. Any other deviation, stated or implied, taken elsewhere in the offer stands withdrawn unless specifically brought out in the 'Schedule of Deviations'.
- c) Bidder shall submit QP in the event of order based on the guidelines given in the specification & QP enclosed therein. QP will be subject to BHEL/ CUSTOMER approval & customer hold points for inspection/ testing shall be marked in the QP at the contract stage. Inspection/ testing shall be witnessed as per same apart from review of various test certificates/ Inspection records etc. This shall be within the contracted price with no extra implications to BHEL after award of the contract.
- d) All drawings/ data-sheets/ calculations etc. submitted along with the offer shall be considered for reference only, same shall be subject to BHEL/ CUSTOMER approval in the event of order.
- e) The offered materials shall be either equivalent or superior to those specified in the specification & shall meet the specified/ intended duty requirements. In case the material specified in the specifications is not compatible for intended duty requirements then same shall be resolved by the bidder with BHEL during the pre - bid discussions, otherwise BHEL/ Customer's decision shall be binding on the bidder whenever the deficiency is pointed out.

For components where materials are not specified, same shall be suitable for intended duty, all materials shall be subject to approval in the event of order.

- f) The commissioning spares shall be supplied on 'As Required Basis' & prices for same included in the base price itself.
- g) All sub vendors shall be subject to BHEL/ CUSTOMER approval in the event of order.
- h) Guarantee for plant /equipment shall be as per relevant clause of GCC /SCC /Other Commercial Terms & Conditions.
- i) In the event of order, all the material required for completing the job at site shall be supplied by the bidder within the ordered price and within purview of the tender specification even if the same are additional to approved billing break up, approved drawing or approved Bill of quantities.
- j) Schedule of drawings submissions, comment incorporations & approval shall be as stipulated in the specifications. The successful bidder shall depute his design personnel to BHEL's/ Customer's/ Consultant's office for across the table resolution of issues and to get documents approved in the stipulated time.
- k) As built drawings shall be submitted as and when required during the project execution.
- l) The bidder has not tempered with this compliance cum confirmation certificate and if at any stage any tempering in the signed copy of this document is noticed then same shall be treated as breach of contract and suitable actions shall be taken against the bidder.



TITLE:
**TECHNICAL SPECIFICATION FOR
RATE CONTRACT OF
CHAIN PULLEY BLOCKS**

SPEC. NO.: PE-TS-RC-563-A101

SECTION: III

REV. NO. 00

Date: MAR 2019

- m) Regarding commercial documents / deviations, BHEL clarified that commercial documents / deviations shall not be considered during technical evaluation. However if any issue in the commercial documents / deviation related to technical requirements needs to be highlighted and resolve in technical evaluation only.

No aspect of commercial issues needs to be highlighted / resolved in technical evaluation and their offer is strictly in compliance with technical specification. BHEL also clarified to the bidder any technical deviations (e.g. related to MDL, required documentation etc. for completion of the project) raised by them in commercial deviation either explicit or implicit shall be considered null and void even if agreed by BHEL during commercial evaluation stage.

Bidder agreed to confirm and compliance with technical specification and subsequent clarification on bids during pre- award discussion.



TECHNICAL SPECIFICATION FOR
RATE CONTRACT OF
CHAIN PULLEY BLOCKS

SPECIFICATION NO. PE-TS-RC-563-A101

SECTION III

REV 00

DATE MAR 2019

PRE-BID CLARIFICATION SCHEDULE

S. No.	Section/Clause /Page No.	Statement of the referred clause	Clarification Required

The bidder hereby certifies that above mentioned are the only clarifications required on the technical specification for the subject package.

SIGNATURE: _____

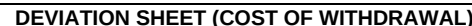
NAME: _____

DESIGNATION: _____

COMPANY: _____

DATE: _____

COMPANY SEAL



SPECIFICATION NO PE-TS-RC-563-A101

SECTION III

NAME OF VENDOR:-

TECHNICAL DEVIATIONS

COMMERCIAL DEVIATIONS

PARTICULARS OF BIDDERS/ AUTHORISED REPRESENTATIVE									
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NOTES:

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GST related Corrigendum to GCC Rev 06

Clause Ref:	Existing Clause as:	Replaced/ New Clause as:
Clause No.4 of GCTC (General commercial terms and conditions)	TAXES AND DUTIES 4.1 EXCISE DUTY 4.1.1 Seller/ Contractor is required to ensure that excise duty including cess, if any, is quoted as per the existing tariff on the date of the offer and all benefits as per existing rules have been considered. 4.1.2 Excise duty actually incurred by Seller/ Contractor on self-manufactured items alone shall be reimbursed against documentary evidence. Excise duty paid by Purchaser on inputs, bought out items, raw materials and components consigned directly to site from sources other than Seller/ Contractor's factory/ works shall be included by the bidder in the quoted basic price. 4.1.3 If excise duty is paid under protest or dispute, it shall not be reimbursed till the dispute is settled. If the Seller/ Contractor claims/ obtains any refund of the excise duty paid, the same shall be refunded to the Purchaser immediately 4.1.4 Invoice cum Excise duty gate pass (Excise Invoice) should contain the name of the ultimate consignee as per Order/ Contract/ Special Conditions of Contract. 4.1.5 If required by Purchaser, the Seller / Contractor will provide a certificate stating that CENVAT benefit has been availed of on the inputs and the same has been passed on to the Purchaser. 4.1.6 Excise duty shall be paid at actuals against documentary evidence but restricted to the amount and percentage indicated in the Order/ Contract. 4.2 SALES TAX / VALUE ADDED TAX (VAT) 4.2.1 Central Sales Tax / Value Added Tax shall be reimbursed only if the same is paid by the Seller / Contractor to the respective Govt. authorities on direct sales by the Seller/ Contractor to the Purchaser, meeting all statutory requirements and availing all exemptions/ concessions under the respective Central Sales Tax / Value Added Tax Acts. The offer should clearly indicate CST/ VAT percentage and the total	TAXES AND DUTIES 4.1 CGST/SGST/UTGST/IGST 4.1.1 Seller/ Contractor is required to ensure that CGST/SGST/UTGST/IGST (whichever is applicable) is quoted as per the existing tariff on the date of the offer and all benefits as per existing laws have been considered. 4.1.2 It is the responsibility of the seller/contractor to issue the Tax Invoice strictly as per the format prescribed under the relevant applicable GST law (CGST Act/SGST Act/UTGST Act/IGST Act). Vendor to indicate the proper GSTN Registration/ HSN code in their tax invoice. 4.1.3 The purchaser is registered in the State of Uttar Pradesh vide following GST registration number: 09AAACB4146P22C 4.1.4 Seller/contractor is required to mention the above registration number in their tax invoice unless stated otherwise in NIT/SCC. 4.1.5 CGST/SGST/UTGST/IGST shall be paid at actuals against Tax Invoice but restricted to the amount and percentage in the order/contract

GST related Corrigendum to GCC Rev 06

	amount along with concessional form(s), if any. 4.2.2 Purchaser is registered in NOIDA, U.P. vide following Registration Numbers: Central Sales Tax Registration No. : ND – 5341151 w.e.f. 01-07-2006 UP Trade Tax Registration No. : ND – 0345307 w.e.f. 01-07-2006 UP TIN No. : 09765702874 4.2.3 Central Sales Tax/ Value Added Tax shall be reimbursed, as per tariff applicable, but restricted to the percentage and amount shown in the Order/ Contract. If it is shown as included in the quoted price/ not applicable, it will not be reimbursed by the Purchaser. 4.2.4 Purchaser proposes to make sale-in-transit under section 6 (2) (b) of Central Sales Tax Act where goods movement is inter-state. Form-C shall be issued and exchanged against Form-E1/E2 based on quarterly transactions. Seller/Contractor is required to submit his request in the format enclosed at Annexure-VI within 30 days from end of the Quarter, giving State-wise invoice details. 4.2.5 VAT invoices, in format prescribed by the respective State Sales Tax Act, have to be submitted in the name of Nodal Agency specified in Special Conditions of Contract. 4.3 SERVICE TAX 4.3.1 Service Tax paid by the Service Provider /contractor to the Government authorities directly shall only be reimbursed at actuals against documentary evidence, but restricted to the rate and amount mentioned in the order/contract. The offer should clearly indicate the percentage and the total amount of service tax. 4.3.2 Service provider/Contractor to ensure their registration for “Intended Service” to be provided, before claiming Service tax under the “intended category”. Decision of BHEL shall be final w.r.t. the “Intended category” in which the service will be falling. 4.3.3 If required by the Purchaser, the Service Provider/Contractor will provide a certificate stating that “CENVAT Benefit has been availed of on the input and the	4.2 OTHER TAXES & LEVIES 4.2.1 All taxes/duties/Cess other than CGST/SGST/UTGST/IGST shall be deemed to be included in the Ex-Works prices unless specified otherwise by the bidder in the price bid. No variation in other taxes and duties shall be payable by Purchaser. 4.3 CUSTOMS DUTY
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GST related Corrigendum to GCC Rev 06

	same has been passed on to the purchaser” or “CENVAT Benefit has not been availed of on the inputs”. 4.4 OTHER TAXES & LEVIES All taxes and duties other than Excise Duty, Sales Tax/ VAT, Service Tax shall be deemed to be included in the Ex-Works prices unless specified otherwise by the bidder in the price bid. No variation in other taxes and duties shall be payable by Purchaser. However, statutory variation in Octroi will be payable extra against documentary evidence. 4.5 CUSTOMS DUTY 4.5.1 Customs Duty element for imported items as per Special Conditions of Contract shall be included in the Ex-Works prices. No variation in customs duty and exchange rate for imported items shall be payable by Purchaser. 4.5.2 Seller/ Contractor shall arrange for his own import license, if required, since Purchaser will not provide any import license. Therefore, Seller/ Contractor alone shall be responsible for any delay in getting import license or non-availability of the same or completion of other related formalities. Purchaser shall not be responsible for any financial liability, whatsoever, on this account. 4.5.3 Essentiality Certificate or Project Authority Certificate (PAC) as per Import Policy, if required to avail concessional customs duty, shall be clearly specified in the offer. Import content (CIF value in rupees) with list of items, quantity, foreign currency, country of origin etc., shall be submitted by the bidder as part of Price bid. 4.6 DIRECT TAX 4.6.1 Purchaser shall not be liable towards income tax of whatever nature including variations thereof, arising out of this Order/ Contract, as well as tax liability of the Seller/ Contractor and his personnel.	4.3.1 Customs Duty/IGST/Goods and Services compensation cess under Goods and Services Tax (Compensation to States) Act, 2017 element for imported items as per Special Conditions of Contract shall be included in the Ex-Works prices. 4.3.2 Seller/ Contractor shall arrange for his own import license, if required, since Purchaser will not provide any import license. Therefore, Seller/ Contractor alone shall be responsible for any delay in getting import license or non-availability of the same or completion of other related formalities. Purchaser shall not be responsible for any financial liability, whatsoever, on this account. 4.3.3 Essentiality Certificate or Project Authority Certificate (PAC) as per Import Policy, if required to avail concessional customs duty, shall be clearly specified in the offer. Import content (CIF value in rupees) with list of items, quantity, foreign currency, Country of origin etc., shall be submitted by the bidder as part of Price bid. 4.4 DIRECT TAXES 4.4.1 Purchaser shall not be liable towards income tax of whatever nature including variations thereof, arising out of this Order/ Contract, as well as tax liability of the Seller/ Contractor and his personnel. 4.4.2 Deductions of Tax at source at the prevailing rates shall be effected by the Purchaser before release of payment, as a statutory obligation, if applicable. TDS certificate will be issued by the Purchaser as per statutory provisions
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GST related Corrigendum to GCC Rev 06

	4.6.2 Deductions of Tax at source at the prevailing rates shall be effected by the Purchaser before release of payment, as a statutory obligation, if applicable. TDS certificate will be issued by the Purchaser as per statutory provisions.	
	5.0 STATUTORY VARIATION 5.1 If the rates for taxes and duties in respect of the quoted materials and/ or services assumed by the Seller/ Contractor are less than the tariff prevailing at the time of tendering, Seller/ Contractor will be responsible for such under quotations. However, if the rates assumed are higher than the correct rates prevailing at the time of tendering, the difference will be to the credit of the Purchaser. 5.2 Statutory Variations in Excise Duty, Service Tax and Central Sales Tax/ Value Added Tax only on self-manufactured items/ services rendered by vendor himself on the rates prevailing at the time of delivery/ completion in comparison to the date of offer, will be to the account of the Purchaser. No other variations such as on customs duty, exchange rate, minimum wages, prices of controlled commodities, any other input etc. shall be payable by the Purchaser. 5.3 Notwithstanding the above, where the actual completion of the supply occurs beyond the period stipulated in the Order/ Contract or any extension thereof, variations referred to above, will be limited to the rates prevailing on the dates of such agreed completion periods only. For variations after the agreed completion periods, the Seller/ Contractor alone shall bear the impact for the upward revisions and for downward revisions; purchaser shall be given the benefit of reduction in taxes/ duties. This will be without prejudice to the levy of penalty for delay in delivery/ completion schedule. 5.4 Any new tax structure (like Goods & Services Tax) as and when implemented by the Government shall become applicable in addition to or in lieu of existing tax structure.	5.0 STATUTORY VARIATION 5.1 Statutory variation for CGST/SGST/UGST/IGST is available provided the actual completion of supply does not occur beyond the period stipulated in the order/contract or any extension (without levy of penalty). 5.2 For variation after the agreed completion periods, the seller/contractor alone shall bear the impact for the upwards revisions and adjust the price in their basic price in such a manner that total price with tax matches with the ex-works with taxes of Purchase Order/Contract. For downward revisions, purchaser shall be given the benefit of reduction in CGST/SGST/UGST/IGST. This will be without prejudice to the levy of penalty for delay in delivery/completion schedule. 5.4 No other variations such as on Custom Duty, exchange rate, minimum wages, prices of controlled commodities, any other input etc. shall be payable by the purchaser.

GST related Corrigendum to GCC Rev 06

Clause 8	8.0 TRANSPORTATION & FREIGHT CHARGES 8.1 All dispatches shall be through road carriers approved by Purchaser/ Bank, on freight pre-paid basis. 8.2 Road permit/ entry permit, if required as per law of the State, shall be arranged by Purchaser. 8.3 Freight charges (including Service Tax) shall be payable after delivery of the goods at the project site, on receipt of MRC or receipted LR on pro-rata basis.	8.0 TRANSPORTATION & FREIGHT CHARGES 8.1 All dispatches shall be through road carriers approved by Purchaser/ Bank, on freight pre-paid basis. 8.2 Road Permit/E-way bill, if required, will be arranged by Supplier.
	9.0 TERMS OF PAYMENT 9.1 SUPPLY PACKAGES 9.1.1 Ninety percent (90%) of basic price of materials supplied, as per PO, along with 100% taxes and duties (as applicable), shall be paid against receipt of material at site on pro-rata basis. 9.1.2 Ten percent (10%) of basic price of materials supplied will be released on pro-rata basis after receipt of Material Receipt Certificate (MRC) from project site engineer of Owner/ Purchaser, on submission of all final documents for the packages as detailed below, duly certified by Engg. Deptt. of purchaser, and submission of Form E1/ E2 against Form-C, if applicable. List of packages with required final documents is as per Annexure-X. 9.2 SUPPLY PACKAGES WITH PERFORMANCE GUARANTEE / DEMONSTRATION TEST AT SITE IN VENDOR'S SCOPE 9.2.1 Eighty Five percent (85%) of basic price of materials supplied, as per PO / approved billing schedule, along with 100% taxes and duties (as applicable), shall be paid against receipt of material at site on pro-rata basis. 9.2.2 Ten percent (10%) of basic price of materials supplied will be released on pro-rata basis after receipt of Material Receipt Certificate (MRC) from project site engineer of Owner/ Purchaser and submission of Form E1/ E2 against Form-C, if applicable. 9.2.3 Five percent (5%) of the total basic price of materials and PG/ Demonstration test charges shall be released after submission of all final documents as per Technical	9.0 TERMS OF PAYMENT 9.1 SUPPLY PACKAGES Payment of basic price of materials supplied alongwith freight and taxes and duties (as applicable), shall be paid against receipt of material at site on pro-rata basis. 10% of basic price of materials supplied will be retained as security deposit which will be released on pro – rata basis after receipt of Material Receipt Certificate (MRC) from project site engineer of owner/purchaser on submission of all the final documents for the packages as detailed below, duly certified by engineering department of purchaser. List of packages with required final documents is as per Annexure-X. 9.2 Supply packages with performance guarantee/demonstration test at site in vendor's scope Payment of basic price of materials supplied, as per PO/ as per approved billing schedule, along with freight and taxes and duties (as applicable), shall be paid against receipt of material at site on pro-rate basis. 15% of basic price of materials supplied will be retained as security deposit which will be released on pro – rata basis as details below: a) 10% will be released after receipt of Material Receipt Certificate (MRC) from project site engineer of owner/purchaser.

GST related Corrigendum to GCC Rev 06

Specifications and successful completion of the Performance Guarantee (PG)/ Demonstration Test at site. Note: If the Performance Guarantee/ Demonstration Test is not conducted up to 24 months from supply completion for reasons not attributable to the vendor, then last 5% payment will be released against Bank Guarantee of an equivalent amount, valid for 12 months. This bank guarantee will be in addition to Contract Performance Bank Guarantee for 10% of the contract value (excluding taxes, duties and freight). 9.3 SUPPLY PAYMENT FOR TURNKEY PACKAGES (E&C IN VENDOR'S SCOPE) 9.3.1 Eighty Five percent (85%) of basic price of materials supplied, as per approved billing schedule, along with 100% taxes and duties (as applicable), shall be paid against receipt of material at site on pro-rata basis. OR i) Five percent (5%) lump sum payment of total basic price (excluding taxes, duties & freight) against approval of design documents and quality plan as certified by Engineering. Design documents and quality plan shall be as defined in the Technical Specifications. ii) Eighty percent (80%) of basic price of materials supplied, as per approved billing schedule, along with 100% taxes and duties (as applicable), shall be paid against receipt of material at site on pro-rata basis. 9.3.2 Five percent (5%) of basic price of materials supplied along with freight, if applicable, will be released on pro-rata basis after submission of Material Receipt Certificate (MRC) from project site engineer of Owner/ Purchaser and submission of Form E1/ E2 against Form-C, if applicable. Collection of Material Receipt Certificate from Site/ Owner and its submission for claiming the payment shall be the responsibility of the Seller/ Contractor. 9.3.3 Ten percent (10%) of the total basic price shall be released after i) submission of all final documents as per Technical Specifications and ii) successful completion of	b) 5% will be released after submission of final documents as per technical specification and successful completion of the performance guarantee (PG)/ Demonstration test at site. Note: If the Performance Guarantee/ Demonstration Test is not conducted up to 24 months from supply completion for reasons not attributable to the vendor, then 5% security deposit will be released against Bank Guarantee of an equivalent amount, valid for 12 months. This bank guarantee will be in addition to Contract Performance Bank Guarantee for 10% of the contract value (excluding taxes, duties and freight). 9.3 SUPPLY PAYMENT FOR TURNKEY PACKAGES (E&C IN VENDOR'S SCOPE) 9.3.1 Payment of basic price of materials supplied, as per approved billing schedule, along with freight, taxes and duties (as applicable), shall be paid against receipt of material at site on pro-rata basis. 15% of basic price of materials supplied will be retained as security deposit which will be released on pro – rata basis as details below: a) 5% will be released on pro-rata basis after submission of Material Receipt Certificate (MRC) from project site engineer of owner/purchaser. Collection of Material Receipt Certificate from site/owner and its submission for claiming the payment shall be the responsibility of the Seller/Contractor. b) 10% will be released after i) submission of all final documents as per Technical Specifications and ii) successful completion of Performance Guarantee (PG)/ Demonstration Test and handing over of the system/ package, if applicable, as per Order/ Contract
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GST related Corrigendum to GCC Rev 06

	Performance Guarantee (PG)/ Demonstration Test and handing over of the system/ package, if applicable, as per Order/ Contract. 9.4 ERECTION & COMMISSIONING PAYMENT FOR TURNKEY PACKAGES 9.4.1 Eighty percent (80%) payment on pro-rata basis for the work completed, as per approved billing schedule, shall be released by Site authorities/ Region on submission of protocols, duly signed by BHEL Site/ Owner. 9.4.2 Ten percent (10%) of the total value shall be released by Site authorities/ Region on successful commissioning of the complete system/ package. 9.4.3 Ten percent (10%) of the total value shall be released by Site authorities/ Region on successful completion of PG/ Demonstration test(s) and handing over system/ package to the Owner, as applicable. 9.5 PG TEST, INSTALLATION CHECK, SUPERVISION OF ERECTION / COMMISSIONING CHARGES 100% payment shall be released after successful completion of the activity, on Site certification. 9.6 Vendors shall submit documents for payment directly to BHEL. Payment will be released within 60 days after receipt of complete documents as per order/ contract (45 days for vendors qualified and registered as Micro or Small as per MSMED Act). To be eligible for payment as Micro and Small category, vendors shall submit annual certification for validation from designated authority under MSMED Act or Chartered Accountant within first quarter of every financial year. . <u>Note:</u> 1) For indigenous suppliers, if the documents are routed through Bank, then all bank charges will be to vendor's account. 2) Foreign bidders can opt for payment (less agency commission, if applicable) through irrevocable and unconfirmed letter of credit. In that case for	9.4 ERECTION & COMMISSIONING PAYMENT FOR TURNKEY PACKAGES 9.4.1 Eighty percent (80%) payment on pro-rata basis for the work completed, as per approved billing schedule, shall be released by Site authorities/ Region on submission of protocols, duly signed by BHEL Site/ Owner. 9.4.2 Ten percent (10%) of the total value shall be released by Site authorities/ Region on successful commissioning of the complete system/ package. 9.4.3 Ten percent (10%) of the total value shall be released by Site authorities/ Region on successful completion of PG/ Demonstration test(s) and handing over system/ package to the Owner, as applicable. 9.5 PG TEST, INSTALLATION CHECK, SUPERVISION OF ERECTION / COMMISSIONING CHARGES 100% payment shall be released after successful completion of the activity, on Site certification. 9.6 Vendors shall submit documents for payment directly to BHEL. Payment will be released within 60 days after receipt of complete documents as per order/ contract (45 days for vendors qualified and registered as Micro or Small as per MSMED Act). <u>Note:</u> 1) Vendors are required to issue Tax Invoice inclusive of PVC value (if applicable) wherever indices are available. 2) For indigenous suppliers, if the documents are routed through Bank,
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GST related Corrigendum to GCC Rev 06

	evaluation purpose, prices of foreign bidders will be loaded on account of payment through LC, equal to loading specified against 'Payment through Bank' in Annexure-VIII. No loading will be done if foreign vendors agree for 90 days usance LC or submit the documents on collection basis for payment within 90 days of submission of complete documents. 3) LC opening/ negotiation/ confirmation charges will be to vendor's account. 4) Form C/ E1/E2 are not applicable for foreign bidders. 5) In extreme case of vendors not agreeing to link 10% payment with submission of Form E1/ E2 against Form-C as above, their prices will be loaded as per Annexure-VIII. 6) Any negative PVC, if not adjusted in earlier payments, will be adjusted at the time of MRC payment. 7) Payment terms for mandatory spares shall be as per clause 9.1.	then all bank charges will be to vendor's account. 3) Foreign bidders can opt for payment (less agency commission, if applicable) through irrevocable and unconfirmed letter of credit. In that case for evaluation purpose, prices of foreign bidders will be loaded on account of payment through LC, equal to loading specified against 'Payment through Bank' in Annexure-VIII. No loading will be done if foreign vendors agree for 90 days usance LC or submit the documents on collection basis for payment within 90 days of submission of complete documents. 4) LC opening/ negotiation/ confirmation charges will be to vendor's account. 5) Payment terms for mandatory spares shall be as per clause 9.1. 9.7 The applicable TDS under CGST/SGST/UGST/IGST/ Goods and Services (Compensation to States) Act will be deducted from the payments. 9.8 Other clauses 1. Vendor/Supplier will intimate & upload the Tax invoice along with LR/RR(as applicable) on web portal & intimate BHEL immediately on removal of goods from vendor/supplier works. In case of Services, Vendor is required to upload the Tax invoice on Web Portal immediately after raising the invoice. BHEL will issue the delivery order/instruction to dispatch the material to the customer as indicated in SCC. 2. All payments against Tax Invoice to vendors/contractors shall be released only after:
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GST related Corrigendum to GCC Rev 06

		a) Vendor/contractor declaring such invoice in GSTR-1 within the prescribed timeline as per the relevant Act. b) The tax component charged by the vendor in the invoice should be matched with the details uploaded by vendor in GSTR-1. c) Confirmation of payment of GST thereon by vendor on GSTN portal 3. In case, any GST credit is delayed/denied to BHEL due to non/delayed receipt of goods and/or tax invoice or expiry to timeline prescribed in the relevant Act for availing such ITC, or any other reasons not attributable to BHEL, tax amount shall be recoverable from the vendor/contractor along with interest levied/leviable on BHEL. 4. Wherein GST liability arises on BHEL under reverse charge, any interest levied/leviable due to any reasons not attributable to BHEL shall be recovered from the vendor/contractor.
Clause 9	9.7 DOCUMENTS TO BE SUBMITTED BY VENDOR 9.7.1 For Recognition of Dispatch Copy of the following documents by e-mail/ fax immediately on despatch: a. Invoice b. LR along with Delivery Order c. Packing List d. Insurance Intimation e. Dispatch Clearance 9.7.2 For Claiming Payments (under clause 9.1.1, 9.2.1, 9.3.1): a. Invoice – original+1 copy b. Receipted LR (signed & stamped)/ confirmation from site regarding receipt of packages/ Boxes original/ copy	9.7 All same a. to be replaced with “GST compliant invoice” in 9.7.1, 9.7.2, 9.7.3 Modification in the clause Duty drawback documents “As per applicable law” (original+1 copy.)

GST related Corrigendum to GCC Rev 06

	c. Delivery order- 2 copies d. Packing List - clearly showing number of packages, gross weight and net weight. - original+1 copy e. MDCC from BHEL/ Customer – as per SCC – 2 copies f. Guarantee Certificate – Original + 1 copy g. Insurance Intimation - 2 copies CQIR / Inspection Reports – Original+1 copy i. PVC Calculation and copy of all applicable indices, if PVC applicable. – 2 copies j. Duty drawback documents (original excise invoice, original disclaimer certificate, original certificate from excise authority for payment of excise duty), if applicable. – original + 1copy 9.7.3 For Claiming Freight Payment a. Invoice – Original + 1 copy b. Receipted LR (signed & stamped)/ confirmation from site regarding receipt of packages/ Boxes original/ copy c. Transporter’s document indicating the freight amount. Original money receipt to be submitted if required as per SCC. 9.7.4 For Claiming MRC Payment a. Invoice – Original + 1 copy b. Copy of MRC 9.7.5 For Claiming Payment for Services involving Service Tax a. Invoice as per rule 4A of Service Tax Act – Original + 1 copy b. Copy of Service Tax registration certificate c. Copy of challan for Service Tax payment	
Clause 3.0 Instruction to bidders	Total erection & commissioning charges including service tax should be minimum 20% (or as specified in NIT) of the total quoted package price (excluding mandatory spares but including all taxes and freight), failing which the break-up of prices shall be adjusted accordingly for ordering.	Total erection & commissioning charges including applicable tax but excluding freight along with GST should be minimum 20% (or as specified in NIT) of the total quoted package price (excluding mandatory spares but including all taxes and freight), failing which the break-up of prices shall be adjusted accordingly for ordering.

GST related Corrigendum to GCC Rev 06

Clause 16.0 Instruction to bidder	For deviations w.r.t. Payment terms, Liquidated damages, Firm prices and submission of E1/ E2 forms before claiming 10% payment, if a bidder chooses not to give any cost of withdrawal of deviation loading as per Annexure-VIII will apply.	For deviations w.r.t. Payment terms, Liquidated damages, Firm prices before claiming 10% payment, if a bidder chooses not to give any cost of withdrawal of deviation loading as per Annexure-VIII will apply.
Clause 16.0 of GCTC	Purchaser reserves the right to recover from the Seller/ Contractor, as agreed liquidated damages and not by way of penalty, a sum equivalent to half ($\frac{1}{2}$) percent of the total contract price per week or part thereof, subject to a maximum of ten (10) percent of the total contract price excluding elements of taxes, duties and freight, if the Seller/ Contractor fails to deliver any part of the ordered stores within the period stipulated in the Order/ Contract. For Turnkey packages (Supply and E&C in vendor's scope), Liquidated Damages shall be levied on the total contract value of both Supply and E&C orders (excluding taxes, duties and freight) if E&C completion of the package is delayed beyond the contractual completion date or extension thereof. Liquidated Damages will not be withheld from supply payment. LR/ GR/ RR date for indigenous supplies and AWB/ BL date for FOB contracts shall be treated as the date of dispatch for levying LD as per Clause 16. However, for indigenous supply if receipted LR date is beyond three months from the date of LR, such excess period shall also be considered for LD purpose. 2. In case of any amendment/ revision, LD shall be linked to the amended/ revised contract value and delivery date(s)	Purchaser reserves the right to recover from the Seller/ Contractor, as agreed liquidated damages and not by way of penalty, a sum equivalent to half ($\frac{1}{2}$) percent plus applicable GST of the total contract price per week or part thereof, subject to a maximum of ten (10) percent of the total contract price excluding elements of taxes, duties and freight, if the Seller/ Contractor fails to deliver any part of the ordered stores within the period stipulated in the Order/ Contract. For Turnkey packages (Supply and E&C in vendor's scope), Liquidated Damages shall be levied on the total contract value of both Supply and E&C orders (excluding taxes, duties and freight) if E&C completion of the package is delayed beyond the contractual completion date or extension thereof. Liquidated Damages will not be withheld from supply payment. LR/ GR/ RR/ eway bill date for indigenous supplies and AWB/ BL date for C&F contracts shall be treated as the date of dispatch for levying LD as per Clause 16. However, for indigenous supply if receipted LR/eway bill date is beyond three months from the date of LR/e-way bill, such excess period shall also be considered for LD purpose. 2. In case of any amendment/ revision, LD shall be linked to the amended/ revised contract value and delivery date(s)

GST related Corrigendum to GCC Rev 06

Deviation sheet- Cost of Withdrawal	Point no-9 For deviations w.r.t. Payment terms, Liquidated damages, Firm prices and submission of E1/ E2 forms before claiming 10% payment, if a bidder chooses not to give any cost of withdrawal of deviation loading as per Annexure-VIII of GCC, Rev-06 will apply. For any other deviation mentioned in un-priced copy of this format submitted with Part-I bid but not mentioned in priced copy of this format submitted with Priced bid, the cost of withdrawal of deviation shall be taken as NIL.	For deviations w.r.t. Payment terms, Liquidated damages, Firm prices before claiming 10% payment, if a bidder chooses not to give any cost of withdrawal of deviation loading as per Annexure-VIII of GCC, Rev-06 will apply. For any other deviation mentioned in un-priced copy of this format submitted with Part-I bid but not mentioned in priced copy of this format submitted with Priced bid, the cost of withdrawal of deviation shall be taken as NIL.
Annexure-VI		Deleted
Annexure-VIII		Following changes in annexure-8, (remaining portion of annex-8 is same): C) LIQUIDATED DAMAGES If maximum limit asked for is 10% or 5% of Undelivered Portion – 10% value of the total quoted price including GST & freight. If maximum limit asked is less than 10 % of contract value loading shall be to the extent to which not agreed by bidder (at offered value) . E) DEVIATION TO SUBMISSION OF FORM E1/ E2 BEFORE CLAIMING 10% PAYMENT 10% of Ex-Works supply value.
New clauses:		
a) In case of discrepancy in CGST/SGST/UTGST/IGST rate corresponding to HSN ;code and quotes rates, the evaluation shall be done on quoted price and correct CGST/SGST/UTGST/IGST rate shall be considered for ordering (limited to quoted FOR Site Price) b) The bidder should have been registered with the appropriate authority under relevant GST laws. c) The bidder to specify in their offer (part 1 bid) the category of registration under GST i.e. registered dealer and composite dealer d) No CGST/SGST/UTGST/IGST will be reimbursed to composite dealer. In the event of any GST quoted by composite dealer, the same shall be considered for evaluation purpose. However, the ordering will be done without considering the tax. e) In the event of any change in the status of vendor from composite to regular dealer after the submission of the bid but before the supply, no reimbursement of CGST/SGST/UTGST/IGST will be made. However, the vendor has to raise the invoice strictly, as per the law, by adjusting their ex-works price.		