

Sl. NO.	ITB Clause No.	TERMS & CONDITIONS	BHEL REQUIREMENT	VENDOR'S CONFIRMATION
<b>I TECHNICAL TERMS</b>				
1		DESCRIPTION, SIZE & QUANTITY	As per <b>Annexure-A</b> ; Sign and stamp copy to be submitted along with offer documents giving confirmation to the same.	
2		Technical terms and Material specification	As per <b>Annexure-A</b> ; Sign and stamp copy to be submitted along with offer documents giving confirmation to the same.	
3		QUALITY PLAN	As per Annexure-A; Sign and stamp copy to be submitted along with offer documents giving confirmation to the same.	
4	36	INSPECTION & CERTIFICATION CHARGES	<b>For M Codes: HE9718634380, HE9718634398:</b> By BHEL TPIA and NTPC as per Quality Plan; and CIB in IBR Form-III G.	
			<b>For M codes: HE9718634347, HE9718634355, HE9718634363, HE9718634371:</b> By BHEL TPIA as per Quality Plan and CIB in IBR Form-III G.	
			<b>Note:</b> a) Vendors are advised to raise Inspection Call in CQIR system (www.cqir.bhel.in) with Purchasing Unit as 'HPEP' at least 7 days prior to the proposed date of inspection. b) Advance intimation of 7 days shall be provided for arranging NTPC inspection.	
5		PQC	<b>PQC of Carbon steel tubesheet forging</b> duly filled & signed with seal with supporting documents as per PQC to be submitted along with technical bid offer.	
<b>II COMMERCIAL TERMS</b>				
1	3A	Mode of Submission	E-Procurement (thru' NIC portal). <b>Note:</b> Offer submitted in any other mode shall not be considered.	
2	6A	TERMS OF DELIVERY	FOR BHEL RC Puram, Freight & Insurance up to destination is in vendor scope.	
2 A		FOR BHEL Price / Delivery implies	C-Note date or Date of submission of documents whichever is later shall be considered as delivery date incase documents are not submitted within 10 days from the dispatch of the material.	
3	10	Price Validity	90 Days from Part-I bid opening date.	
4	12	Tender Cost	Not Applicable.	
5		Earnst Money Deposit	Not Applicable	
6	17	Performance Bank Guarantee	Not Applicable.	
7	Others	Contract Execution Bank Guarantee (CEBG)	Not Applicable.	
8	8	Delivery	<b>LOT 1:</b> 50% Quantity of Lot within 5 Months & remaining 50% Quantity of Lot within 7 Months <b>from the date of PO.</b>  <b>LOT 2 :</b> i) First 25% quantity of Lot within 5 Months ii) Second 25% quantity of Lot within 6 Months iii) Third 25% quantity of Lot within 8 Months iv) Last 25% quantity of Lot within 10 Months <b>from the date of PO.</b>  <b>LOT 3:</b> i) First 25% quantity of Lot within 5 Months ii) Second 25% quantity of Lot within 6 Months iii) Third 25% quantity of Lot within 8 Months iv) Last 25% quantity of Lot within 10 Months <b>from the date of PO.</b>	

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			<b>Note:</b> For any deviation in delivery period for each item and schedule as indicated above, quoted price shall be loaded by 0.5% per week for evaluation of offer. However, BHEL reserves the right to reject the offers with delivery period not meeting the project requirement.	
9	5	Type of bid	Offer shall be submitted in 2-Part bid with Part-1 consists of Techno-commercial bid and Part-2 consists of Price bid.	
10		Techno-Commercial Bid	<p>Techno-Commercial Bid shall essentially consist of:</p> <p>(i) Duly filled in signed and stamped Special Contract Conditions (SCC).  (ii) Duly filled in signed and stamped Annexure A (Technical terms and Material specification)  (iii) Duly filled in signed and stamped Instructions to Bidder (ITB) along with applicable Annexures mentioned therein (Annexure-I,II,III).  (iv) Udyam Registration Certificate for MSE vendors.  (v) Un-price bid to be submit duly filled &amp; signed with seal allong with offer</p> <p><b>Note:</b>  Bid shall be complete in all respects including all the documents / information required for techno-commercial evaluation. Incomplete offers shall be liable to rejection.</p>	
11		Price Bid	Vendor shall quote on Rate / piece basis.	
12	18	Evaluation Basis	L1 bidder will be evaluated on <b>Lotwise</b> destination cost to BHEL basis as per Annexure A. If vendor doesnot quote for all the items of that Lot, their offer will not be considered for that Lot. Sign and stamp copy of Annexure-A to be submitted along with offer documents giving confirmation to the same.	
13	9	Price Variation Clause	Not Applicable.	
14		Purchase Preference to MSE/MII Vendors	Purchase Preference shall be in line with Order No. F.1/4/2021-PPD Dated 18.05.2023 issued by Ministry of Finance.	
15	7	Additional Documentation for Payment	<ul style="list-style-type: none"> <li>- MTC, CQIR along with Internal TCs as per QAP.</li> <li>- NTPC CHP (as applicable)</li> <li>- IBR Form-III G</li> <li>- Guarantee Certificate</li> </ul>	
16	13	Maximum Penalty Applicable on	Delayed Portion Value.	
17	Others	Quantity Split	a) Splittable	
			b) In case of 2/3 techno-commercially qualified bidders, total quantity against each Lot shall be distributed between two bidders in the ratio of 3:1.	
			c) In case of 4 or more techno-commercially qualified bidders, total quantity against each Lot shall be distributed among three bidders in the ratio of 2:1:1.	
			d) L <sub>1</sub> bidder shall be awarded 75% quantity in case of (b) and 50% quantity incase of (c). For balance quantity, L <sub>1</sub> price will be counter-offered to other bidders in the order of ranking upto L <sub>n-1</sub> bidder (where n>2) or up to L <sub>2</sub> bidder in case of only 2 qualified bids. The bidder who accepts the counter offer shall be awarded the corresponding quantity and balance quantity, if any, shall be counter offered to the next ranked bidders. In case of non-acceptance of counter offer or any quantity remaining after acceptance of a counter offer, the corresponding quantity will be ordered on L <sub>1</sub> bidder.	
18		Finalization of Tender	RA is not applicable for this enquiry. <b>Tender will be finalized by opening Price Bids.</b>	

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19	16	Guarantee	Guarantee on the supplies for a period of 18 months from the date of dispatch or 12 months from the date of commissioning whichever is earlier.	
20		INTEGRITY PACT	<p>(a) IP is a tool to ensure that activities and transactions between the Company and its Bidders / Contractors are handled in a fair, transparent and corruption free manner. A panel of Independent External Monitors (IEMs) have been appointed to oversee implementation of IP in BHEL. Details of IEM for this tender is furnished below: <u>IEM Email</u> 1. Shri Otem Dai, IAS (Retd.) <a href="mailto:iem1@bhel.in">iem1@bhel.in</a> 2. Shri Bishwamitra Pandey, IRAS (Retd.) <a href="mailto:iem2@bhel.in">iem2@bhel.in</a> 3. Shri Mukesh Mittal, IRS (Retd.) <a href="mailto:iem3@bhel.in">iem3@bhel.in</a></p> <p>(b) The IP as enclosed with the tender is to be submitted (duly signed by authorized signatory who signs in the offer) along with techno-commercial bid. Only those bidders who have entered into such an IP with BHEL would be competent to participate in the bidding. In other words, entering into the Pact would be a preliminary qualification.</p> <p>(c) Please refer Section-8 of the IP for the Role and Responsibilities of IEMs. In case of any complaint arising out of the tendering process, the matter may be referred to the IEM mentioned in the tender.</p>	
			<p><b>Note:</b> No routine correspondence shall be addressed to the IEM (phone / post / email) regarding the clarifications, time extensions or any other administrative queries, etc. on the tender issued. All such clarifications / issues shall be addressed directly to the tender issuing (procurement) department.</p>	
21		FINANCIAL STANDING	Applicable.	
			<p>The minimum average Financial turnover of the supplier during last 3 financial years should not be less than Rs.6 Crs and positive net worth as per latest Balance sheet.</p> <p>Vendor shall submit last three years Audited Financial statements of Balance sheet &amp; Profit &amp; Loss statement</p>	
22		Customer approval of vendor	Applicable for Lot 1 of this tender.	
23		Terms & Conditions	Vendor is requested to furnish all details of the offer in this format. <b>In case of any discrepancy between information furnished here and those furnished elsewhere in the bid, the information furnished in this document only shall be considered, and those furnished else where shall be ignored.</b>	



D5A1X26949

18.11.2024

(Attachment to Enquiry No. **D5A1X26949** Due on Date **18.11.2024** for submission by 11.00 hrs to open from 14.00 hrs.)**INSTRUCTIONS TO BIDDER (ITB)**

**NOTE: Bidder to confirm in affirmative by typing "YES" or "Applicable Data" in the response column. Deviations, if any shall be recorded in deviations/comments column (Separate sheet can be attached if needed). Non deviatable clauses are indicated as "NON DEVIATABLE".**

Sl. No.	DETAILED TERMS & CONDITIONS	BIDDER RESPONSE (YES/NO)	DEVIATIONS / COMMENT
1	<b>SCOPE OF SUPPLY:</b> Signed & Sealed offers are invited for the Scope of Supply of goods or services or both as detailed in the enquiry. Relevant enclosures/supporting documents / catalogue, if any shall be enclosed to the technical offer.		
2	<b>DEFINITIONS</b>		
A	'The Buyer' means BHEL-HPEP, Ramachandrapuram, Hyderabad-502 032 of Bharat Heavy Electricals Limited (A Govt. of India Undertaking) incorporated under the companies Act having its registered office at BHEL House, Siri fort, New Delhi-110049, India and shall be deemed to include its successors and assigns. It may also be referred to as BHEL.		
B	'The Bidder' means the persons, firm, company or organization on whom the Purchase order is placed and shall be deemed to include the bidder's successors, representatives, heirs, executors and administrator as the case may be. It may also be referred to as Contractor, supplier or bidder.		
C	'Contract' shall mean and include the Purchase order incorporating various documents viz., Notice Inviting Tender (NIT), Offer, Letter Of Intent/Acceptance (LOI/LOA), Instruction to Bidders (ITB) and Special Conditions of Contract (SCC), specifications, inspection/quality plan, schedule of prices and quantities, drawings, if any, enclosed by Bidder/ provided by the Buyer or his authorized nominee and the samples or patterns if any to be provided under the provision of the contract. In case of any inconsistency or contradiction between any of the documents, the order of precedence shall be Purchase Order, LOI/LOA followed by Minutes Of Meeting (MOM), NIT, SCC, ITB.		
D	'Parties to the contract' shall mean the bidder and the buyer as named in the main body of the Purchase Order.		
E	'Goods/Material' shall include Works and Services which are incidental or consequential to supply.		
3	<b>GENERAL INSTRUCTIONS:</b>		
A	Mode of submission of offer shall be as indicated in SCC		Non Deviatable
B	The quotation should be neatly typed and free from over writing/ erasures. Any correction or addition must be authenticated. The offer including annexures and brochures should be submitted in English / Hindi. All Pages of Techno Commercial Bids (Main Pages), ITB, SCC should be signed and Stamped. If there is a conflict in case of bilingual submission, the submission in English will be final. Prices shall be quoted both in figures and words. In case of any discrepancy in value, the prices quoted in words shall be considered for evaluation and establishing L1 Status. Any discount / revised offer / bids submitted by a bidder on his own shall be considered, provided it is received on or before the due date and time of offer / bid submission (Part-1). Conditional discounts shall not be considered for evaluation of tenders.		Non Deviatable
C	Incomplete offers are liable for rejection.		Non Deviatable
D	Bidders to please note that the Terms & conditions contained in this document and SCC are to be read fully before submission of quotations.		Non Deviatable
E	Bidders are advised to comply with ITB and SCC, should there be any deviations (where deviations are permitted), it shall be entered in the deviation column. BHEL reserves the right to reject such offers or load the bid suitably for evaluation.		Non Deviatable
F	Offers shall be submitted directly, only by the bidder or by their authorized representative / agent and the offer should be in line with the regulatory guidelines (i.e. A valid Agency agreement between principal bidder and agent / representative shall be attached and the agreement shall cover the scope of services rendered by Agent, Agency Commission and any other information called for as per the regulatory guidelines). OEM / Mill details shall be provided if bidder is not a manufacturer. Bid envelops shall bear the name of Bidder. In case of submission through authorized representative/agent, the name of representative/agent should also be mentioned apart from bidder name.		Non Deviatable
G	Offer received after the specified time and date of submission will be rejected. No further correspondence shall be entertained.		Non Deviatable
H	Unsolicited offers will not be considered.		Non Deviatable
4	<b>OTHER PARTICULARS (Please indicate applicable data)</b>		
A	Name of the Bid currency (freely tradable foreign currency for imports and Indian Rupees for indigenous purchase).		
B	Name of the Port of loading and Port of Discharge (applicable to imports).		



<b>5</b>	<b>BID SUBMISSION PROCEDURE FOR CONVENTIONAL TENDER:</b>		
<b>A</b>	<b>For Single Part Bids:</b>		
	The complete bid shall be submitted in a single sealed cover superscribing the Tender number and due date, addressed to Sr DGM/CMM, Vendor Complex, BHEL, Hyderabad and sent by appropriate mode to above address or dropped in tender box located at vendor complex on or before the specified time and date of submission of offers, preferably in the bidder's envelope. E- mail bids shall be sent to mail ID <a href="mailto:pricebid_hyd@bhel.in">pricebid_hyd@bhel.in</a> only as an attachment.		<b>Non Deviatable</b>
<b>B.</b>	<b>For two-Part Bids:</b>		
i	<p>The offer is to be submitted in two parts viz.,</p> <p>Techno-commercial Bid - (Part-I), with all technical specification &amp; scope including bill of material etc., Earnest Money Deposit (EMD)(wherever applicable) and unpriced bid with all applicable Commercial Terms and Conditions, rates of agency commission, duties, taxes and other charges, Signed and Stamped ITB and SCC, <u>except the price</u>, shall be kept in a separate sealed cover, superscribing enquiry No. (Techno-Commercial Bid) and due date</p> <p>AND</p> <p>Price Bid (Part-II), containing ONLY the price (including agency commission, if any) and the applicable duties/taxes/other charges shall be kept in a separate sealed cover superscribing Enquiry no. (Price bid) &amp; due date.</p> <p>Both the above covers (Part –I &amp; II) shall be kept in a Third cover superscribing Enquiry no. &amp; due date.</p> <p>Bidder can also submit offer through email. Technical offer to be submitted to mail ID <a href="mailto:technicalbid_hyd@bhel.in">technicalbid_hyd@bhel.in</a>, and price bid to be submitted to mail ID <a href="mailto:pricebid_hyd@bhel.in">pricebid_hyd@bhel.in</a> only as an attachment. Interchanging the information in the mails may lead to rejection of the offer. Bidder shall have no claim on e-mail offers sent to any other e-mail ID.</p> <p>In case of e-mail offers, the mail subject should contain Enquiry Number, Due date and Bidder name. Bidder address including contact details shall be mentioned in the content of the mail. Without these details, the offer is liable for rejection.</p> <p>All techno commercial terms &amp; conditions mutually agreed prior to price bid opening shall prevail and supersede any terms and conditions specified otherwise in price bid.</p>		<b>Non Deviatable</b>
ii	The bidders whose bids are techno commercially not accepted will be informed and EMD shall be returned wherever submitted.		
iii	Bidders will be allowed to submit the impact on their quoted prices due to changes in technical scope, specifications, and commercial terms/conditions as specified in NIT which in the opinion of BHEL , warrant changes in prices.		<b>Non Deviatable</b>
<b>C</b>	Bids shall be opened on due time and date in the presence of bidders who may like to be present. Only one representative of each bidder shall be permitted to attend the bid opening. Only the price bids of bidder (in case of two part bid) whose techno commercial bids are accepted will be opened later on a specified date.		<b>Non Deviatable</b>
<b>6</b>	<b>DELIVERY TERMS</b>		
<b>A</b>	<b>Indigenous Purchase</b>		
	<p>a. Terms of Delivery for dispatches to BHEL Hyderabad (HPEP) shall be FOR Destination.</p> <p>b. Terms of Delivery for Direct Dispatch (DD) items shall be Ex Works.</p> <p>i. In case specified in SCC that insurance is in customer/BHEL scope, price quoted shall include Freight charges up to Destination.</p> <p>ii. Otherwise, price quoted shall include Freight and Insurance upto Destination. However, beneficiary for insurance shall be BHEL.</p>		
<b>B.</b>	<b>Imports</b>		
	The goods shall be delivered on FCA capital airport basis in case of freight by Air and CIP basis in case of freight by Sea.		
<b>7</b>	<b>Documentation for Payment</b>		
<b>A</b>	<b>Indigenous Purchase</b>		
	<p>Following documents shall be submitted immediately on dispatch of material to BHEL HPEP / Site</p> <p>a. Original Tax Invoice (Refer ITB clause no 11 for Tax Compliance)</p> <p>b. Packing List - clearly showing number of packages, gross weight and net weight.</p> <p>c. Test/Warranty/Guarantee certificates, O&amp;M Manual (If specified in SCC)</p> <p>d. Insurance intimation/declaration certificate</p> <p>e. Pre-dispatch Inspection report /Third Party Inspection Certificates.</p> <p>f. Consignee copy of LR signed &amp; stamped by Customer/Site representative for DD Items</p> <p>g. e-waybill</p> <p>h. Any other documents as specified in SCC.</p> <p>Softcopies of the above documents shall be uploaded in Pradan portal <a href="https://hpep.bhel.com/mm">https://hpep.bhel.com/mm</a> immediately after dispatch of the material.</p>		<b>Non Deviatable</b>

<p><b>B</b></p>	<p><b>Imports</b></p> <p>i) Bidder shall inform BHEL the readiness of material along with packing details 30 days in advance from the date of delivery. For Hazardous cargo/DG cargo, supplier must provide the following documents prior to handing over shipment to freight forwarder, wherever freight is in BHEL scope:</p> <ol style="list-style-type: none"> <li>1. Valid MSDS</li> <li>2. DGD certificate with appropriate UN numbers.</li> <li>3. Labelling and marking on DG cargo along with photo of packaging.</li> <li>4. Self-declaration for consignment</li> <li>5. Packaging Certificate as per DG Standards</li> <li>6. TSA Approved Truckers details to be provided to forwarder at the time of shipment</li> </ol> <p>In addition to the above, supplier should ensure to comply all IATA DG regulations, if any new requirement is added in future.</p> <p>ii). Bidder shall also upload the soft copy of the dispatch documents consisting of BL / AWB, Invoice, delivery note, packing list, country of origin &amp; Test certificates and other documents as specifically indicated in the SCC in PRADAN Portal (<a href="https://hpep.bhel.com/mm">https://hpep.bhel.com/mm</a>) within Five days from the B/L date for sea shipment and One day from AWB date for Air shipment and sent to email ids: mssea@bhel.in, msair@bhel.in, cmmfe@bhel.in.</p> <p>iii) AWB/BL must contain the information of BHEL GST no., and PAN no.</p> <p><b>iv) Air Shipments:</b> Bidder shall ensure the following</p> <ol style="list-style-type: none"> <li>a) Port of discharge -- Mumbai/Chennai/Hyderabad (as indicated in SCC).</li> <li>b) Consignee shall be BHEL, Hyderabad. Material shall be air freighted through cargo mode only and not through Courier.</li> <li>c) Upon handing over the cargo to the forwarder, bidder shall ensure the acknowledgement receipt with wordings "Cargo handed over in sound condition for Air freighting". Note: Warehouse receipt will not be considered for penalty calculations.</li> <li>d) In case of CIF/ shipments, bidder shall also inform BHEL the information about discharge port agent details and cargo arrival information within one day from the date of Shipment.</li> <li>e) Following dimensions of single package may be noted. <ol style="list-style-type: none"> <li>i). Maximum dimension of the cargo(ODC) -- 125" x 88" x 63"</li> <li>ii). Maximum weight of the cargo -- 3.5 MT.</li> </ol> <p>If any package dimension or weight exceeds the above set limits, it will be treated as Over Dimension Cargo (ODC) or Over Weight Cargo and bidder shall inform BHEL 30 days in advance to the delivery date to enable BHEL to finalize the freight forwarder.</p> </li> <li>f). If package falls under Hazardous category, bidder shall communicate BHEL 30 days in advance period with document support.</li> </ol> <p><b>v) Sea Shipments:-</b> bidder shall ensure the following</p> <ol style="list-style-type: none"> <li>a). Port of discharge -- Nhavaseva/Mumbai/Chennai.</li> <li>b). Place of Delivery / Final Destination for CIP shipments - Nhavaseva CFS / Chennai CFS.</li> <li>c). In case of FOB shipments, bidder shall handover the material to BHEL nominated forwarder and obtain the cargo receipt.</li> <li>d). If the material cannot be containerized in 20 or 40 GP containers, an advance information of 30 days prior to the delivery date shall be communicated to BHEL for necessary arrangements and finalisation of freight forwarder.</li> <li>e). <b>For CIP shipments</b> <ol style="list-style-type: none"> <li>1. In case of FCL shipments, Detention free period must be 14 days.</li> <li>2. Bidder shall also inform BHEL the information about discharge port agent details and cargo arrival information within 5 days from the date of Shipment.</li> <li>3. No charges for the services rendered till place of destination will be payable by BHEL. Incase liner / forwarder insist for charges, not in the scope of BHEL, the same will be adjusted from bidder account.</li> <li>4. In case of CIF shipments -- Bidder must select a forwarder/liner whose discharge port published tariff for THC and other services is available. Any charges over and above the published tariff will not be borne by BHEL or will be adjusted from the bidder's bill.</li> <li>5. bidder must insure the cargo for 110% of material value including the freight amount.</li> </ol> </li> <li>(vi). Recovery charges for non-submission of documents: - Bidder shall submit all the required documents to BHEL as prescribed in the Purchase order and NIT.</li> </ol> <p>If BHEL incurs any charges such as Penalty, demurrage, container detention, wharfage, storage, Ground rent etc., due to non - compliance / non - submission of documents prescribed in Purchase Order/ NIT/Letter of credit, the same shall be recovered from the bidder as under:</p> <ol style="list-style-type: none"> <li>1. EUROPE/USA/Black Sea/ Far East/Middle East/South East sector</li> </ol> <p><b>A. For FOB Sea Consignments:-</b></p> <p>Penalty for late submission / negotiation of documents beyond 14 days shall be as under:</p>		
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Sl. no	Period (From Date of Bill of Lading)	Recoverable Charges	Recoverable Charges per day per container	
		LCL per week/ Break bulk cargo per day	20FT Container	40FT Container
i	Upto 14th day	Nil	Nil	Nil
ii	15th day onward	USD 10	USD 110	USD 200

**B. For CIP Sea Shipments:-**

Bidder shall provide rates for detention charges after free period at the time of offer itself in case of engagement of 20FT Container and 40FT category. In case of late presentation of documents to the bank recovery will be effected from the Bidder as per the rates quoted by the Bidder at the time of offer in this regard.

In case of Break bulk cargo and LCL, Demurrage charges shall be recovered at the rate of USD 1 per Ton per day and storage charges at the rate of USD 10 per week respectively shall be charged as late presentation charges.

(vii) Description of items in invoice, packing list, BL / AWB or LR shall be same as PO item description. Bidders shall ensure that invoice shall contain PAN nos. of both bidder and BHEL along with other tax related numbers. BHEL PAN AAACB4146P and BHEL TAN HYDB00086C Any other additional documents sought by the statutory authorities, the same shall be produced by the bidder on priority basis.

(viii) Bidder shall provide package details including number of packages, gross weight, net weight etc.

(ix) The bidder shall provide the following documents at the time of submission of offer:

- No Business Connection in India declaration issued by the bidder as per the format specified. (or)
- (i) No Permanent Establishment in India declaration issued by the bidder as per the format specified.
- (ii) Tax Residence Certificate issued by the bidder's tax authorities.
- (iii) Form 10F, as attached in Annexure V, to be issued by the bidder.
- In case the bidder has a Business Connection in India as per Section 9 of Income Tax Act or significant economic presence in India as per rule 11 UD of IT Act or Permanent Establishment in India as per Article 5 of Double Taxation Avoidance Agreement between India and the bidder's country, the bidder shall provide a withholding tax order issued by the Indian Income Tax authority for recovery of applicable tax.

**8**	**Delivery Schedule**			
	The tendered goods shall be delivered within the period stipulated in NIT/ SCC as accepted. Inordinate delay/early supply are liable for rejection/Hold on payment.			**Non Deviatable**
**9**	**Pricing Terms**			
	Quoted price shall be inclusive of Packing & Forwarding and shall remain firm and valid during the execution of PO. Offers with PVC will be rejected outright except in cases where specifically called for in the SCC.			**Non Deviatable**
**10**	**PRICE VALIDITY :**			
	Unless otherwise specified, offer shall be valid for a period of 90 days from the date of bid opening (Technical bid /part-I in case of two part bid). However the prices quoted for spare parts of the Main equipment shall be kept valid for a period as specified in SCC.			**Non Deviatable**
**11**	**Taxes & Duties (RATE TO BE INDICATED by the bidder against the space provided )**			

A	<p><b>Indigenous Purchase</b></p> <p>i) Only valid GST registered bidders will be considered for the tender. The GSTIN of the bidder should be clearly mentioned in the offer.</p> <p>ii) If bidder is exempted from GST registration under any provision of the GST Law, a declaration with due supporting documents should be furnished for considering the offer.</p> <p>iii) Bidder to quote the applicable taxes in the following manner:</p> <ul style="list-style-type: none"> <li>- Harmonized System of Nomenclature (HSN) of Goods</li> <li>- Services Accounting Code(SAC) of Services.</li> <li>- IGST/CGST/SGST/UTGST: Rate of Tax to be quoted as extra in % against the space provided</li> </ul> <p>iv) Bidders to ensure correct applicability of IGST/CGST/SGST/UTGST based on the Inter / Intra state movement of goods/services.</p> <p>v) In case Bidder has opted for GST Composition Scheme, the same may be stated explicitly both in their technical and price bids. An undertaking to the effect that any change in the status of the bidder will be intimated.</p> <p>vi) Any other taxes &amp; duties not covered anywhere above may be indicated separately.</p> <p><b>Taxes deducted at source:</b></p> <ul style="list-style-type: none"> <li>- TDS as per the extant statutes shall be deducted.</li> <li>- In case bidder does not provide PAN details, higher rate of tax shall be deducted as per the Act.</li> <li>- Concessional certificates, if any, should be provided well in time for lower deduction of tax.</li> </ul>		Non Deviatable
B.	<p><b>Terms &amp; Conditions to be complied</b></p> <p>1. All invoices (incl. Credit Notes, Debit Notes) to contain BHEL HPEP GSTIN ie 36AAACB4146P1ZG. Invoices submitted should be in the format as specified under GST Law. All details as mentioned in Invoice Rules including Dealer GST registration number (GSTIN), invoice number with date of issue, quantity, rate, value, taxes with nomenclature – CGST, SGST, UGST, IGST mentioned separately, HSN Code / SAC Code etc.</p> <p>2. Reimbursement of GST amount will be made only upon completion of the following:</p> <ol style="list-style-type: none"> <li>i. Bidder declaring such invoice in their GSTR-1 Return/ IFF</li> <li>ii. Receipt of Goods or Services and Submission of Tax invoice by BHEL</li> <li>iii. The tax invoice is reflected in the GSTR2B of BHEL, HPEP (buyer). Payment of GST will be made only if it is matching with data uploaded by the Bidder in GST portal.</li> </ol> <p>3. In case of discrepancy in the data uploaded by the bidder in the GSTN portal vis-a-vis the tax invoice or in case of any shortages or rejection in the supply, then BHEL will not be able to avail the tax credit. The same would be available in PRADAN Portal for the bidder's information. Bidder has to rectify the data discrepancy in the GSTN portal or issue credit note or debit note (details also to be uploaded in GSTN portal) for the shortages or rejections in the supplies or additional claims for processing of such invoices.</p> <p>4. In cases where invoice details have been uploaded by the bidder but failed to remit the GST amount to GST Department within stipulated time, then GST on the invoices in default will be recovered from the bidder along with the applicable interest.</p> <p>5. In case GST credit is delayed/denied to BHEL due to non/delayed receipt of goods and/or tax invoice or expiry of timeline prescribed in GST law for availing such ITC, or any other reasons not attributable to BHEL, such GST amount will be recoverable from bidder along with interest levied/leviable on BHEL.</p> <p>6. GST TDS deducted as per GST Act, is uploaded in GSTN portal along GSTR7. Bidders can directly download the GST TDS Certificate from the GSTN Portal.</p> <p>7. Bidders to note that Rules &amp; Regulations pertaining to E-way bill system are to be strictly adhered to, as and when notified by Govt. authorities.</p> <p>8. Vendors who fall under the E-Invoice regulations, i.e., having an annual turnover of Rs. 10 crores (<b>Rs 5 crore w.e.f 01.08.2023</b>) in the previous year shall issue e-invoice in line with Rule 48(4) of CGST Rules failing which GST amount will not be reimbursed to the vendor even if the other requirements are fulfilled.</p> <p>9. In case the vendor is exempted by the GST department under the Rule 48(4) of CGST Rules from issuing E-invoice, a declaration as prescribed in the Notification 17/2022 - Central Tax dated 01-08-2022 shall be provided on the invoice.</p> <p>10. Vendors who do not fall under the E-Invoice regulations, i.e., whose annual turnover is less than Rs. 10 crores (<b>Rs 5 crore w.e.f 01.08.2023</b>) in the previous year have to give an undertaking indemnifying BHEL that the vendor is not falling under the E-invoice requirement category and that in case of any breach of this E-invoicing requirement, the vendor indemnifies BHEL of any consequences that may arise due to such a breach.</p> <p>11. No GST shall be levied on liquidated damages / penalty.</p>		
	<p><b>Foreign Purchase ( Imports )</b></p>		

	<p>The offered price shall be inclusive of all the Taxes and duties as applicable in country of export / country of dispatch for the quoted price.</p> <p>Taxes deducted at source:</p> <p>a. In case of goods or services subject to Income tax in India, such tax as per the extant statute shall be recovered.</p> <p>b. In case bidder does not provide necessary documents for beneficial taxation (Refer clause 7-B-(ix) a-c of ITB), the TDS deduction shall be at the maximum percentage stipulated as per the provisions of Income Tax Act.</p>		<b>Non Deviatable</b>
<b>12</b>	<b>Payment Terms: Unless otherwise specified in SCC, following shall be the terms of Payment.</b>		
<b>A</b>	<p><b>Indigenous:</b></p> <p>a. Micro &amp; Small Enterprises (MSEs) - 100% Direct EFT payment within 45 days</p> <p>b. Medium Enterprises - 100% Direct EFT payment within 60 days</p> <p>c. Non MSME Bidders - 100% direct EFT Payment within 90 Days</p> <p>Note</p> <p>A. Above due date is reckoned from the date of Receipt of material or 15 days from the date of submission of complete set of documents as per PO whichever is later. Payment will be made on acceptance of Material.</p> <p>B. MSEs (covered under MSME Act) need to register and renew periodically and update the same with BHEL</p> <p>C. The taxes that are reimbursed are limited to applicable taxes as on the Purchase Order delivery date or the amount actually paid whichever is less.</p> <p>D. Adherence to the above time schedule of payment is contingent upon Bidder complying with GST provisions and availment of Input Tax Credit by BHEL before the date of payment.</p> <p>E. In case of packaged items, 10% of supply value will be retained till completion of total supplies.</p> <p>F. Bidders to comply with <b>clause 11</b> on GST requirements</p> <p>G. MSE benefits are not applicable to Traders/Wholesalers registered as MSEs</p>		
<b>B</b>	<p><b>Imports:</b></p> <p>i) 100% payment (less Indian Agency Commission, if any) shall be through Wire Transfer with a credit period of 60 days - Cash Against Documents (CAD)</p> <p>ii) In case Bidder opts for Letter of Credit payment, the LC Usance period shall be 90 days with respective bank charges to respective accounts and loading of 0.50%</p> <p>iii) Indian Agency commission if payable and so specified in the Purchase order shall be paid in Indian Rupees, considering the SBI TT selling exchange rate, as on the date of payment after successful completion of the contract.</p>		
<b>C</b>	<p><b>Conditions for LC:</b></p> <p>a. LC validity period will be 90 days and for any extension, applicable charges will be to bidder's account.</p> <p>b. LC will be opened after successful completion of pre dispatch inspection prior to the scheduled / agreed delivery date. LC will be opened within 15 bank working days from the date of request.</p>		<b>Non Deviatable</b>
<b>D</b>	<p><b>Conditions for both Indigenous &amp; Foreign Bidders:</b></p> <p>a. In case Bidders insist for lesser Credit period and BHEL accepts, a loading of 0.60% for every 15 days reduction will be applicable.</p> <p>b. In case PBG as required is not furnished, Payment will be released deducting the BG amount, which will be paid after expiry of warranty period against submission of supplementary claim.</p> <p>c. Payment does not imply in any respect whatsoever a waiver of Buyer's right to performance of the Order. Buyer is entitled to set off claimable debts against claimable liabilities with the bidder by means of a setoff Note.</p>		<b>Non Deviatable</b>
<b>E</b>	<p>Wherever EMD is applicable, the EMD will be paid back to unsuccessful bidders within fifteen days after award of the contract. Successful bidder's EMD will be retained till submission of Performance Bank Guarantee (PBG).</p> <p>Tender Fee wherever applicable is not refundable.</p> <p>No interest shall be payable by BHEL on earnest money or security deposit or any money due to the contractor by BHEL.</p>		<b>Non Deviatable</b>

13	<b>Penalty clause:</b> <p>In the event of delay in supply /part-supply of goods, Penalty as detailed below is leviable</p> <p>a. Penalty of 0.5% per week or part there of shall be levied, limited to a max of 10% (ten percent) of delayed portion value / order value (as specified in SCC).</p> <p>b. Penalty applicable for delay in documentation is as per SCC.</p> <p>c. Date Reckoned for Penalty</p> <ul style="list-style-type: none"> <li>- Indigenous Orders with delivery terms FOR HPEP: C Note date.</li> <li>- Indigenous Orders (Others): Date of e-waybill.</li> <li>- Imports: For CIP/CIF Orders: IGM date</li> <li>- Imports: For FOB Orders: AWB / BL date</li> <li>- Imports: For FCA/Ex Work Orders: Date of acknowledgement from Freight Forwarder.</li> </ul> <p>d. In case of Deviation to above Penalty clause, loading applicable to the extent to which not agreed by Bidder.</p> <p>e. Timelines as mentioned in the Annexure 1 will be considered for reckoning delivery.</p> <p>Penalty amount so determined along with applicable GST (for Indigenous orders) thereon shall be recovered.</p> <p>Imposition, recovery or settlement of this penalty shall not affect BHEL's right to performance, compensation and termination of the order.</p>		
14	<b>Excess materials</b> supplied beyond tolerance limit as specified in PO will not be paid and bidder may raise credit note for the excess/unaccepted material as per GST law.		Non Deviatable
15	<b>Rejected materials</b> , if any, shall be collected by the bidder within 90 days of such communication to the bidder. Beyond this period the bidder forfeits their right to the materials.		Non Deviatable
16	<b>Guarantee / Warranty Period:</b> <p>Wherever required, and so provided in the specifications/SCC/Purchase Order, the bidder shall guarantee that the goods supplied shall comply with the specifications laid down, for materials, workmanship and performance.</p> <p>a. Guarantee period shall be 12 months from the date of commissioning or 18 months from the date of supply whichever is earlier.</p> <p>b. In case erection &amp; commissioning is involved, guarantee period shall be 12 months from the date of commissioning.</p> <p>c. In case of equipment bought as a package which are intended to be incorporated in installations or systems, the guarantee period shall be 12 months from the date of commissioning of such equipment.</p> <p>The guarantee period shall be extended by the period during which the goods are not in compliance. If the delivery is found to be non-complaint, bidder shall replace, repair or re-execute the as requested by BHEL. If the bidder defaults on his obligations, buyer has the right to proceed to replace, repair or re-execute at the bidder's expense.</p> <p>A guarantee period as described above shall apply afresh to replaced, repaired or re-executed parts of a delivery.</p> <p><b>Loading for deviation:</b>          In case warranty specified in SCC is over and above the period mentioned in b &amp; c above; loading will be 1% per annum for the deviation in warranty end period, on the contract value. Expected commissioning period is as indicated in SCC.</p>		Non Deviatable
17	<b>PERFORMANCE BANK GUARANTEE (PBG) (Applicable in case mentioned in SCC)</b> <p>In case enquiry specifically spells out PBG requirement, PBG is to be submitted by Bidder in requisite format as per Annexure VII.</p> <p>Further detailing on PBG as specified in SCC.</p> <p>The PBG shall be for the performance of the goods and shall remain binding notwithstanding such variations, alterations or extensions of item as may be made, give, conceded or agreed to between the Bidder and BHEL under these Terms and conditions or otherwise.</p>		Non Deviatable
<p><b>NOTE: Deviations (Commercial as well as Technical) from the tender specifications and conditions are generally not acceptable. However, deviation if any, shall be brought out clearly with proper justification in the offer. The deviation, if considered by BHEL, shall be loaded for comparison, while evaluating the offer. If a bidder unconditionally withdraws any deviation before price bid opening, the same shall not be loaded. Loading criteria in respect of major commercial conditions where deviations if any are accepted shall be as per clause No.18.</b></p> <p><b>The Bidders may specifically note the following.</b></p>			
18	<b>Evaluation and Loading Criteria:</b>		



- i) Evaluation Currency for this tender shall be "INR".  
ii) Evaluation of prices shall be done item-wise unless otherwise specified in the SCC.  
iii) Evaluation shall be on the basis of delivered cost, i.e. "Total Cost to BHEL" w.r.t the finalized technical scope and commercial conditions (after considering incidence of applicable taxes and duties and loading).  
iv) In the course of evaluation, if more than one Bidder happens to occupy L1 status, effective L1 will be decided by soliciting discounts from the respective L1 Bidders. In case more than one Bidder happens to occupy the L1 status even after soliciting discounts, the L1 Bidder shall be decided by a toss/draw of lots, in the presence of the respective L1 Bidders or their representatives. Ranking will be done accordingly. BHEL decision in such situations shall be final and binding.

#### INDIGENOUS

- a. Bidder shall ensure to indicate the applicable taxes against each line item, failing which the same will be considered as inclusive/NIL.  
b. Ex-works offers received (as against FOR Destination mentioned in enquiry) shall be loaded by 2% of Ex-works value.  
c. GST and any other charges quoted will be added to the base price. However, in case input credit is available for GST (SGST, CGST/IGST), the same shall be excluded for arriving at "Total Cost to BHEL"

#### IMPORTS

For evaluation of offers in foreign currency, exchange rate (TT selling rate of State Bank of India) as on the date of bid opening (Part-I, in case of two-part bids) shall be considered. If the relevant day happens to be a bank holiday, then the forex rate as on the previous bank (SBI) working day shall be taken.

In case of foreign Bidders, the quoted CIP price shall be loaded by the following factors to arrive at "Total Cost to BHEL":

- Import duty as applicable on the date of Part-I bid opening.

- Loading will be as per the table below

	Ex Works	FOB/FC A	CIF/CFR	CIP
Foreign Inland freight and insurance	2%			
Marine freight and marine insurance	3%	3%		
Destination Port handling charges	0.50%	0.50%	0.50%	
clearing charges & inland freight and insurance	2%	2%	2%	2%

COMMON LOADING FOR IMPORTS & INDIGENOUS that will be added for arriving the "Total Cost to BHEL"

A. Loading on Deviated Penalty clause shall be 10% or to the extent to which the bidder has opted for deviation.

B. Loading for payment terms as per clause 12 of ITB

C. Loading for deviation in Warranty & PBG as per clause 16,17.

- 19 Procurement directly from the manufacturers/ suppliers shall be preferred. However, no agent shall be allowed to represent more than one manufacturer/ supplier in the same tender. Moreover, either the agent could bid on behalf of the manufacturer/ supplier or the manufacturer / supplier could bid directly but not both. In case bids are received from both from the manufacturer/ supplier and the agent, bid received from the agent shall be ignored.

- 20 **RIGHT OF REJECTION /NON- PLACEMENT OF PO:** BHEL reserves the right to accept or reject any or all bid/s in full or part without assigning any reason whatsoever.

#### 21 INTEGRITY PACT

Bidders shall have to enter into Integrity Pact with BHEL as per Annexure VI - for Tender value of rupees two crores and above and shall be signed by the authorized signatory along with the offer, failing which Bidder's offer will be rejected.

#### 22 Public Procurement

##### A Make in India

For this Procurement, the local content to categorize a bidder as a Class I local bidder / Class II local bidder / Non-Local bidder and purchase preference to Class I local bidder, is as defined in Public Procurement (Preference to Make in India) order No P-45021/2/2017-PP(BE-II) dated 04-06-2020 issued by DPIIT as amended from time to time. Proforma for self-certification for minimum local content and auditor's certification is given in Annexure III.

- B Any Bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with competent authority. GOI website <https://www.mea.gov.in/> to be referred for latest details of competent authority and exemptions . Proforma for self-certification for compliance is given in Annexure IV.

##### C Startups:

For Start-ups duly registered with DPIIT (Copy of certificate to be provided), condition of prior turnover and prior experience in Public Procurement may be relaxed subject to meeting of Quality and Technical Specifications. Startups are exempt from paying EMD.

#### 23 Benefits earmarked for Purchase from Micro & Small Enterprises (MSEs) – Indigenous Purchase

- A All Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy are exempt from Paying EMD. NSIC/UDYAM registered bidders shall submit NSIC/UDYAM Certificate along with bid documents. Date to be reckoned for determining the deemed validity will be the last date of Technical bid submission. Non- submission of such document will lead to consideration of their bid, at par with other bidders and MSE status of such bidders shall be shifted to Non- MSE Category till the bidder submits these documents.



<b>B</b>	In tender, MSEs quoting price within price band of L1+15% shall also be allowed to supply a portion of requirement by bringing down their price to L1 price in a situation where L1 price is from someone other than a MSE and such MSE shall be allowed to supply at least 25% of total tendered value. In case of more than one such MSE, the supply shall be shared proportionately. Out of these 25% minimum 3% shall be earmarked for MSEs owned by women and 6.25% for MSEs owned by SC/STs who submit the relevant documents.
<b>C</b>	If an enterprise falling under MSME category as defined in the Act, graduates to a higher category from its original category or beyond the purview of the Act, it shall continue to avail all non-tax benefits of its original category notified by the Ministry of Micro, Small and Medium Enterprise for a period of three years from the date of such graduation to the higher category.
<b>D</b>	BHEL HPEP is registered with RXIL (TReDS) platform. MSME bidders are requested to get registered with RXIL (TReDS) platform to avail the facility as per the GOI guidelines.
<b>24</b>	Inspection Measuring and Test Equipment (IMTE) used by the Bidder/ Contractor or sub-contractor shall be calibrated, maintained and controlled. Calibration shall be valid and IMTE maintained in sound condition during usage.
<b>25</b>	ISO-9001, ISO14001 & OHSMS 45001 shall be complied.
<b>26</b>	If BHEL registered supplier is not quoting against this NIT, supplier shall send regret letter positively with valid reasons for not participating. Repeated lack of response on the part of supplier may lead to deletion of such registered supplier from BHEL's approved supplier's list as per BHEL SEARP Guidelines.
<b>27</b>	<p><b>Risk Purchase clause:</b></p> <p>In case bidder fails/delays to supply whole or part of the ordered items or supplies defective items or fails to fulfil any other terms and conditions given in Purchase Order/Contract, BHEL has the right to terminate the order/contract or withdraw balance scope of work/supply and make the purchase of such material / services from elsewhere at the risk and cost of the defaulted bidder. The bidder is liable for the additional expenditure / difference in Cost, if any, including consequential losses which BHEL may sustain by reason of risk purchase in addition to the applicable LD as per the order/contract.</p> <p>Non-performance of contract attracts penal provisions in line with BHEL guidelines for Suspension of Business Dealings (SBD).</p> <p><b><u>Risk and Cost Calculation is enclosed at Annexure-C</u></b></p>
<b>28</b>	Any other terms and conditions of the bidder attached / referred against the tender enquiry will not be considered.
<b>29</b>	All drawings, patterns and tools supplied by BHEL or made at BHEL's expense are BHEL's property. These cannot be used or referred to any other party and must be used only in the execution of BHEL's orders.
<b>30</b>	Any amount payable by the bidder under any of the conditions of this contract shall be liable to be adjusted against any amount payable to the bidder under any other work / contract awarded by BHEL HPEP or any other BHEL Units. This is without prejudice to any other action as may be deemed fit by BHEL.
<b>31</b>	The bids of the bidders who are on the banned list and also the bids of the bidders, who engage the services of the banned firms, will be rejected. The list of firms banned by BHEL is available on BHEL web site: <a href="http://www.bhel.com">www.bhel.com</a>
<b>32</b>	<b>Ordering and confirmation of order</b>
	<p>The bidder shall send the order acceptance within one week from the date of LOI/Purchase order or such other period as specified/agreed by the Buyer. Buyer reserves the right to revoke the order placed if the order confirmation differs from the original order placed. Buyer shall be legally bound, only if agreed for any deviation explicitly in writing. The acceptance of deliverables or supplies by Buyer as well as payments made in this regard shall not imply acceptance of any deviations.</p> <p>The Purchase order will be deemed to have been accepted if no communication to the contrary is received within one week (or the time limit as specified /agreed by the Buyer) from the date of P.O.</p> <p>Buyer, is at liberty to send signed P.O. through electronic media such as e-mail and the receipt of which shall be treated as receipt of order.</p>
<b>33</b>	<b>Execution</b>
	The whole contract is to be executed in the most workman like manner, substantial and approved as per the contracted terms.
<b>34</b>	<b>Progress Report</b>
	<p>The bidder shall render such report as to the progress of work and in such form as may be called for by the Buyer from time to time. The submission and acceptance of such reports shall not prejudice the rights of the buyer in any manner. Bidder shall communicate to BHEL immediately, the change of address, ownership, contact person(s), the mobile numbers and e-mail of the dealing person concerned.</p> <p>Milestones shall be periodically updated by bidder through PRADAN Portal (<a href="https://hpep.bhel.com/mm/">https://hpep.bhel.com/mm/</a>). Non updation will adversely affect service rating of bidder performance.</p>
<b>35</b>	<b>Non-disclosure Obligations</b>

	<p>Drawings, technical documents or other technical information received by one party shall not without the consent of the other party, be used for any other purpose than that for which they were provided. They may not, without the consent of the submitting party, otherwise be used or copied, reproduced, transmitted or communicated to third parties. All information and data contained in general product documentation, whether in electronic or any other form, are confidential and binding only to the extent that they are by reference expressly included in the contract.</p> <p>The bidder shall, as per agreed date/s but not later than the date of delivery, provide free of charge any information and/or drawings which are necessary to permit the Buyer to erect, commission, operate and maintain the product. Such information and drawings shall be supplied as specified in technical specification.</p> <p>All intellectual properties, including designs, drawings and product information etc. exchanged during the formation and execution of the contract shall continue to be the property of the submitting party.</p> <p>The bidder shall provide Buyer with all information pertaining to the delivery in so far as it could be of importance to Buyer. The bidder shall not reveal confidential information to its own employees not involved with the tender/contract and its execution and delivery or to third parties, unless Buyer has agreed to this in writing beforehand. The bidder shall not be entitled to use the Buyer's name in advertisements and other commercial publications including website without prior written permission from Buyer.</p> <p>In the event of violation of the confidentiality as agreed, BHEL will take legal action as deemed fit. Non-disclosure agreement to be entered as per <b>Annexure- II</b> wherever applicable.</p>
<b>36</b>	<b>Inspection and Testing</b>
<b>A</b>	The goods and stores shall be manufactured by approved quality system and each part/component may be inspected and tested by the Buyer prior to shipment and shall comply with relevant requirements. Buyer has the right to inspect at any stage during manufacture/ delivery.
<b>B</b>	<p>Buyer or his authorized representative shall be entitled at all reasonable times during execution to inspect, examine and test at the bidder's premises the material and workmanship of all stores to be supplied under the contract, and if the part of the stores are being manufactured at other premises, the bidder shall obtain for buyer or his authorized representative permission to inspect, examine and test as if the said stores are being manufactured at the bidder's premises. Such inspection, examination and testing, if made shall not release the bidder from any obligation under the contract.</p> <p>For indigenous bidders all costs related to first inspection request shall be borne by the buyer and the cost of subsequent inspections due to non-readiness of material/rework/ rejections shall be borne by the bidder. In case of imports all inspection charges including third party inspections if any shall be borne by the bidder. The cost of inspection staff/third party specified by the Buyer shall be borne by bidder unless otherwise specifically agreed. If the contract provides for tests on the premises of the bidder or any of his sub-contractor/s, bidder shall be responsible to provide such assistance, labor, materials, electricity, fuels, stores, apparatus, instruments as may be required and as may be reasonably demanded to carry out such tests efficiently. Cost of any type test or such other special tests shall be borne by the bidder unless otherwise specifically agreed in the contract. The Bidder shall give the authorized representative of the buyer reasonable notice in writing of the date on and the place at which any stores will be ready for inspection/ testing as provided in the Contract. Annexure – I, may strictly be complied with for the time lines. Any delay in submission of the documents by the bidder will not alter the delivery date.</p>
<b>37</b>	<b>Quality and Condition of the Deliverables</b>
	The bidder shall be responsible for compliance with applicable technical, safety, quality, environmental requirements and other regulations in relation to products, packaging and raw and ancillary materials.
<b>38</b>	<b>Packaging and Dispatch</b>
	<p>The bidder shall package the deliverables safely and carefully and pack them suitably in all respects considering the peculiarity of the material for normal safe transport by sea/air/rail/road to its destination suitably protected against loss, damage, corrosion in transit and the effect or tropical salt laden atmosphere. The packages shall be provided with fixtures/hooks and sling marks as may be required for easy and safe handling by mechanical means. Special packaging conditions/ environmental conditions as defined in the NIT shall be fully complied.</p> <p>Each package must be marked with consignee name, address, P.O. number, Package Number, gross weight &amp; net weight, dimensions (L x B x H) and bidder's name. The packing shall allow for easy removal and checking of goods on receipt and comply with carrier's conditions of packing or established trade practices. Packing list for goods inside each package with P.O. item No. &amp; quantity must also be fixed securely outside the box to indicate the contents. If any consignment needs special handling instruction, the same shall be clearly marked with standard symbols/instructions. Hazardous material should be notified as such and their packing, transportation and other protection must conform to relevant regulations.</p>
<b>39</b>	<b>Contract variations; Increase or decrease in the scope of supply</b>
	<p>Buyer may vary the contracted scope during execution due to exigencies of project requirement.</p> <p>If the bidder is of the opinion that the variation has an effect on the agreed price or delivery period, Buyer shall be informed of this immediately in writing along with technical details, and in the event of additional work, submit a quotation with regards to the price and period involved, as well as the effect this additional work will have on the other work to be performed by the bidder. Wherever unit rates are available in the contract, the same shall be applied to such additional work. The bidder shall not perform additional work before buyer has issued written instructions/amendment to the purchase order to that effect. The work which the bidder should have or could have anticipated in terms of delivering the service (s) and functionality (ies) as described in this agreement should be executed by the bidder without any price implication.</p> <p>In case of no change in the scope / technical specifications, bidder shall endeavor to keep the material ready and intimate the same to BHEL within the contractual delivery date, failing which, the delay if any will be attributed to supplier, and any upward price variation thereof for delivery at a later date is not admissible.</p>
<b>40</b>	<b>Rejected/Short shipments/ warranty/guarantee replacements</b>
	In case of any short shipment during initial supply which is subsequently dispatched by the bidder or any guarantee / warranty replacements shall be dispatched on "DDP-Delivered duty paid BHEL stores" basis for imported items and "FOR-BHEL Stores/designated destination" basis for indigenous items.
<b>41</b>	<b>Export Administration Regulations</b>
	If a delivery includes such technology and / or supply that is subjected to the export regulations the bidder shall obtain due permissions, approvals, license etc.
<b>42</b>	<b>Force Majeure</b>

	<p>The bidder shall not be considered in default if delay occurs due to causes beyond their control such as Acts of God, Natural calamities, Fire, Frost, Flood, Civil War, civil commotion, riot, Government Restrictions.</p> <p>Only those causes that have duration of more than seven days shall be considered cause of force majeure. Notification to this effect duly certified by local chamber of commerce/statutory authorities with supporting documents shall be given by the bidder to BHEL by registered letter/courier service immediately without loss of time.</p> <p>In the event of delay due to such causes the delivery schedule shall be extended for a length of time equal to the period of Force Majeure or at the option of BHEL the order may be cancelled. Such cancellation would be without any liability whatsoever on the part of BHEL.</p> <p>In the event of such cancellation the bidder shall refund any amount advanced or paid to the bidder by BHEL and deliver back any material issued to him by BHEL and release facilities, if any provided by BHEL.</p>
<b>43</b>	<b>Non-waiver of Defaults</b>
	If any individual provision of the contract is invalid, the other provisions shall not be affected.
<b>44</b>	<b>Settlement of Disputes</b>
	<p>Except as otherwise specifically provided in the contract, all disputes concerning questions of the facts arising under the contract, shall be decided by the Buyer, subject to written appeal by the bidder to the buyer, whose decision shall be final.</p> <p>Any disputes of differences shall to the extent possible be settled amicably between the parties thereto, failing which the disputed issues shall be settled through arbitration</p> <p>The bidder shall continue to perform the contract, pending settlement of disputes(s).</p>
<b>45</b>	<b>Conciliation clause</b>
	<p>CONCILIATION CLAUSE FOR CONDUCTING CONCILIATION PROCEEDINGS UNDER THE BHEL CONCILIATION SCHEME, 2018: The Parties agree that if at any time (whether before, during or after the arbitral or judicial proceedings), any Disputes (which term shall mean and include any dispute, difference, question or disagreement arising in connection with construction, meaning, operation, effect, interpretation or breach of the agreement, contract or the Memorandum of Understanding, penalty deduction, time extension), which the Parties are unable to settle mutually, arise inter-se the Parties, the same may, be referred by either party to Conciliation to be conducted through Independent Experts Committee to be appointed by competent authority of BHEL from the BHEL Panel of Conciliators.</p> <p>The proceedings of Conciliation shall broadly be governed by Part-III of the Arbitration and Conciliation Act 1996 or any statutory modification thereof and as provided in Procedure in <a href="http://www.bhel.com/index.php/story_details?story=2454">http://www.bhel.com/index.php/story_details?story=2454</a> . The Procedure together with its Formats will be treated as if the same is part and parcel hereof and shall be as effectual as if set out herein in this ITB</p>
<b>46</b>	<b>ARBITRATION (WITH SOLE ARBITRATOR)</b>
	<p>Except as provided elsewhere in this Contract, in case amicable settlement is not reached between the Parties, in respect of any dispute or difference; arising out of the formation, breach, termination, penalty deduction, validity or execution of the Contract; time extension, or, the respective rights and liabilities of the Parties; or, in relation to interpretation of any provision of the Contract; or, in any manner touching upon the Contract, then, either Party may, by a notice in writing to the other Party refer such dispute or difference to the sole arbitration . Sole arbitrator to be appointed by Head of the Unit - BHEL , HPEP .</p> <p>The Arbitrator shall pass a reasoned award and the award of the Arbitrator shall be final and binding upon the Parties.</p> <p>Subject as aforesaid, the provisions of Arbitration and Conciliation Act 1996 (India) or statutory modifications or re-enactments thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceedings under this clause. The seat of arbitration shall be Hyderabad, Telangana. The language of arbitration shall be English and the documents shall be submitted in English.</p> <p>The cost of arbitration shall initially be borne equally by the Parties subject to the final apportionment of the cost of the arbitration in the award of the Arbitrator.</p> <p>Subject to the arbitration in terms of clause 46, the courts at Sangareddy, Telangana State shall have exclusive jurisdiction over any matter arising out of or in connection with this contract.</p> <p>Notwithstanding the existence or any dispute or differences and/or reference for the arbitration, the Contractor shall proceed with and continue without hindrance the performance of its obligations under this Contract with due diligence and expedition in a professional manner except where the Contract has been terminated by either Party in terms of this Contract.</p>
	<b>ARBITRATION FOR CONTRACT WITH PUBLIC SECTOR ENTERPRISE (PSE) OR A GOVERNMENT DEPARTMENT</b>
	<p>In the event of any dispute or difference relating to the interpretation and application of the provisions of commercial contract(s) between Central Public Sector Enterprises (CPSEs/ Port Trusts inter se and also between CPSEs and Government Departments/Organizations (excluding disputes concerning Railways, Income Tax, Customs &amp; Excise Departments), such dispute or difference shall be taken up by either party for resolution through AMRCD as mentioned in DPE OM No 4(1)/2013-DPE(GM/FTS 1835 dated 22-05-2018</p>
<b>47</b>	<b>Applicable Laws and jurisdiction of Courts</b>
	<p>This agreement shall be construed and interpreted in accordance with the laws of India and shall have exclusive jurisdiction of Sangareddy courts, Telangana, India.</p>
<b>48</b>	<b>BHEL-Fraud prevention policy shall be adhered to.</b>
	<p>The Bidder along with its associate/ Collaborators/ Sub-contractors/ sub-bidders/ consultants/ service providers shall strictly adhere to BHEL Fraud Prevention policy displayed on BHEL Website <a href="http://www.bhel.com">http://www.bhel.com</a> and shall immediately bring to the notice of BHEL management about any fraud or suspected fraud as soon as it comes to their notice.</p> <p>List of nodal officers is hosted on BHEL Hyderabad website <a href="https://hpep.bhel.com/">https://hpep.bhel.com/</a>.</p>
<b>49</b>	<b>Suspected Cartel Formation</b>
	<p>The Bidder declares that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s). This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process. In case , the Bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies / guidelines .</p>
<b>50</b>	<b>Conflict of Interest:</b>
	<p>"A bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practices to the detriment of Procuring Entity's interests. The bidder found to have a conflict of interest shall be disqualified. A bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if:</p>

- a) they have controlling partner (s) in common; or  
b) they receive or have received any direct or indirect subsidy/ financial stake from any of them; or  
c) they have the same legal representative/agent for purposes of this bid; or  
d) they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder; or  
e) Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of the components/ sub-assembly/ Assemblies from one bidding manufacturer in more than one bid; or  
f) In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent/dealer. There can be only one bid from the following:  
1. The principal manufacturer directly or through one Indian agent on his behalf; and  
2. Indian/foreign agent on behalf of only one principal; or  
g) A Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid; or  
h) In case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership/management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare such sister/ common business/ management units in same/ similar line of business. "

**51.** In case of breach of contract, wherever the value of security instruments like performance bank guarantee available with BHEL against the said contract is atleast 10% of the contract value, the same be encashed. In case the value of the security instruments available is less than 10% of the contract value, the balance amount be recovered from other financial remedies (i.e. available bills of the contractor, retention amount, etc. with BHEL) or legal remedies be pursued. The balance scope shall be got done independently without Risk & Cost of the failed supplier/ contractor.

Further, levy of liquidated damages, debarment, termination, de-scoping, short-closure, etc., shall be applied as per provisions of the contract.

It is the sole discretion of BHEL to whether to invoke the risk purchase clause No 27 or encash 10% of the contract value as state above.

**Annexure-I****Major Activity Timelines shall be considered**

S.No.	Activity	Agency	Timeline
1	PO Acknowledgement	Vendor	<u>7 Days</u> from PO Date
2	Raising of Inspection Call with BHEL TPIA/NTPC	Vendor	<u>7 Days</u> prior to Inspection date
3	Readiness of material in all respects (i.e. ready for dispatch)	Vendor	<u>15 Days</u> prior to PO Delivery Date
4	Despatch Clearance	BHEL	<u>3 Days</u> from the date of receipt of Final Inspection report (BHEL TPIA).
5	Receipt of material	Vendor	<u>10 Days</u> from Dispatch Instructions.

(To be executed on Non- Judicial Stamp Paper for an appropriate value.  
To be stamped as an agreement)

(For Suppliers on Unit's / Division's PMD)

**ANNEXURE-II**

**Framework Confidentiality Agreement Cum Undertaking**

This Agreement made on this the \_\_\_\_\_ day of (month) \_\_\_\_\_ 20 \_\_\_\_ ("Effective Date") by and between M/s. BHARAT HEAVY ELECTRICALS LIMITED, having registered office at "BHEL House", Siri Fort, New Delhi – 110049 (India), acting through its \_\_\_\_\_ Unit (hereinafter may be referred to as "BHEL" or "the company").

And

M/s. \_\_\_\_\_ (address) \_\_\_\_\_  
represented by authorized representative Sri \_\_\_\_\_ (herein after referred to as the "Supplier").

The supplier and the company may, unless the context otherwise requires, hereinafter be collectively referred to as "Parties" or singly as the "Party".

**RECITALS**

Whereas, BHEL is engaged in the design, engineering, manufacturing, construction, testing, commissioning and servicing of a wide range of products, systems and services for the core sectors of the economy, viz. Power, Transmission, Industry, Transportation, Renewable energy, Oil & Gas and Defence and providing associated services to varied customers in relation to which BHEL / its affiliates own valuable information of a secret and confidential nature.

Whereas the Company may, in connection with contract(s) (as defined hereunder) placed or to be placed upon the supplier, or otherwise, from time to time, make available, Technical Information as is defined hereunder.

And Whereas BHEL is willing to provide such Technical Information to the Supplier from time to time and the Supplier understands and acknowledges that such Technical Information is valuable for the Company and as such is willing to protect confidentiality of such information, subject to the terms and conditions set out hereunder.

Now therefore, in view of the foregoing premises and in consideration of the mutual covenants and agreements hereinafter set forth, the parties agree as under:

**1. Definitions:**

Unless the context so requires, in this Agreement, the following terms will bear the meaning ascribed to the said term in this clause.

- A. **“Contract”** means the contract entered into with a supplier and includes a Purchase Order, or a Work Order for procurement of any goods or for provision of any services.
- B. **“Effective Date”** means the date of this Agreement as mentioned in the preamble of this Agreement.
- C. **“Supplier”** includes a Contractor or a Vendor of the Company whether for supplying of goods or for providing any services under a Contract or both.
- D. **“Technical Information”** includes Drawings, and / or Product Standards and / or Specifications and / or Corporate / Plant Specifications and / or Technological Process Sheets and / or Technical Data Sheets and / or Jigs & Fixtures and / or Pattern & Dies and / or Special Gauges and / or Tools etc. Belonging to or wherein the Company has acquired from a third party a right of user and includes any improvement thereto from time to time whether carried out by the Company or by the Suppliers.
- E. **“Intended Purpose”** means the purpose for which the Technical Information is provided to the supplier under or in connection with a contract.
- F. **“Improvement”** includes any modification made to, or adaptation of, the Technical Information which enhances or is calculated to enhance the performance (Whether in terms of effectiveness or in terms of efficiency or both) of the product and / or the service to be provided by the Supplier under a Contract.

2. This Agreement shall come into force / deemed to have come into force, as the case may be, on the Effective Date; or, on the first date when the Technical Information or any part thereof is provided by BHEL to the supplier; whichever is earlier.

3. **Agreement deemed to be incorporated in each contract:** Unless and to the extent otherwise stipulated in the Contract, the conditions of this Agreement are deemed to be incorporated in all Contracts which may be entered into between the Company and the Supplier. Further, unless otherwise stipulated, the obligations under this Agreement are and will be independent of the obligations under the Contracts and such obligations of the Supplier hereunder will remain of full effect and validity notwithstanding that the period of validity of the Contract has expired by efflux of time stipulated therein; or, the contract has been discharged by performance or breach; or, the termination of the Contracts for any reason whatsoever.

#### 4. **Ownership:**

4.1 The Company may, from time to time, make available to the Supplier, Technical Information on a non-exclusive basis by way of loan.

4.2 The Supplier acknowledges and agrees that all Technical Information and copies thereof that are or may be provided by the Company to the Supplier, are and shall remain the property of



BHEL or that of the concerned entity from whom BHEL has obtained the Technical Information and such Technical Information are and shall constitute trade secrets of the BHEL. Nothing in this Agreement or in any disclosures made hereunder by or on behalf of the Company shall be construed as granting upon the Supplier any patent, copyright or design or any other intellectual property rights of whatsoever description that subsists or may hereinafter exist in the Technical Information. Furthermore, nothing in this Agreement or in any disclosures made hereunder by or on behalf of the Company shall be construed as granting upon the supplier any license or right of use of such patent, copyright or design or any other intellectual property rights of whatsoever description which may now or hereafter exist in the Technical Information except for use of the Technical Information strictly in accordance with this Agreement and the contract and / or as directed in writing by the Company, solely for the Intended Purpose under the Contract.

- 4.3 Neither party is obligated by or under this Agreement to purchase from or provide to the other party any service or product and that any such purchase / sale of any product and / or service by one party to the other party will be governed by the Contract if any, that may be entered into by and between the Company and the Supplier.
- 4.4 The Supplier is / has been made well aware and acknowledges that the Technical Information being / which may be shared with it by the Company has been either generated by the Company by incurring huge investment and cost or obtained from foreign collaborators under Technical Collaboration Agreement (TCA) with stringent confidentiality conditions.
- 4.5 The supplier agrees and undertakes to adhere to confidentiality requirements as applicable to BHEL under a TCA and also ensure that the confidentiality requirements are adhered to by all its concerned employees or sub-contractors /suppliers (where permitted to be engaged by BHEL). Any damages, losses, expenses of any description whatsoever, arising out of or in connection with a breach of the confidentiality requirements under a TCA owing to any act or omission on the part of the supplier or its employees or sub-contractors / suppliers that is claimed by a foreign collaborator from the Company shall be wholly borne by the Supplier and it shall keep BHEL fully indemnified in this behalf. The demand by the Company shall be conclusive upon the Supplier who shall thereupon forthwith pay to the Company without demur, dispute or delay the amount as demanded without demanding any further proof thereof.
- 4.6 The Supplier agrees and undertakes that unless so decided and advised by the Company in writing all rights / title to any Improvement to the Technical Information shall vest in the Company. The Supplier undertakes and agrees to inform forthwith to the Company of any such Improvement made to the Technical Information and transfer all drawings / documents or other materials connected with such Improvement to the Company and also agrees to fully cooperate with the Company for protecting the Company's interests in such Improvements

in the Technical Information including but not limited to obtaining necessary protection for the intellectual property rights in such improvement, if so desired by the Company. If a question arises whether a modification amounts to improvement to the Technical Information, the same shall be decided by the Company and such decision shall be final and binding upon the supplier.

## **5. Use and Non – Disclosure:**

5.1 Unless otherwise stipulated by the Company, all Technical Information made available to the supplier, by the Company shall be treated as Confidential irrespective of whether the same is marked or otherwise denoted to be Confidential or not.

5.2 The Supplier undertakes and agrees that the Technical Information in its possession shall be held in strict confidence and will be used strictly in accordance with this Agreement and solely for the Intended Purpose under the Contract. Use of the Technical Information for any other purpose other than Intended Purpose is prohibited.

5.3 In particular, the Supplier shall not use Technical Information or any Improvement in its possession for the manufacture or procurement of the product(s) or components or parts thereof or use the Technical Information or any portion thereof or any modification or adaptation thereof in any form to provide any product and / or service to any third party, without the prior written consent of the Company.

5.4 The Supplier shall not disclose any of such Technical Information to any third party without the prior written consent of the Company. The Supplier agrees that without prior written consent of the Company, the supplier shall not disclose to a third party about the existence of this Agreement, or of the fact that it is / was in possession of or has experience in the use of any Technical Information nor shall the Supplier share in any manner whatsoever, with a third party, the name or details of any Contract(s) awarded by the Company to it or performed by the Supplier or the scope of work thereof or share any document or correspondence by and between the Company and the supplier in or in connection with this Agreement or such Contract(s). Notwithstanding what is stated elsewhere, the overall responsibility of any breach of the confidentiality provisions under this Agreement shall rest with the Supplier.

5.5 This Supplier undertakes and agrees not to make copies or extracts of and not to disclose to other any or all of the Technical Information in its possession, except as follows:

(a) The Supplier may disclose the Technical Information to such of its officers and employees strictly to the extent as is necessary for such officer or employee for the Intended Purpose, provided that the Confidential Information (or copies thereof) disclosed shall be marked

clearly as the confidential and proprietary information of Company and that such officers and employees shall similarly be bound by undertakings of confidence, restricted use and non-disclosure in respect of the Technical Information. The Supplier shall be responsible for any breach of such confidentiality provisions by such officers and employees.

- (b) With the prior written consent of Company, the supplier may disclose for the Intended Purpose such Technical Information as is provided for in such consent to such of its professional advisers: consultants, insurers and subcontractors who shall be similarly bound by undertakings of confidence, restricted use and non-disclosure in respect of such Technical Information.
- (c) The Supplier shall not be prevented to make any disclosure required by (i) order of a court of competent jurisdiction or (ii) any competent regulatory authority or agency where such disclosure is required by law, provided that where the supplier intends to make such disclosure, it shall first consult Company and take all reasonable steps requested by it to minimize the extent of the Technical Information disclosed and to make such disclosure in confidence and also shall cooperate with the Company in seeking any protective order or any other remedy from proper authority in this matter.

#### **6. Exceptions:**

The Obligations of the Supplier pursuant to the provisions of this agreement shall not apply to any Confidential Information that:

- a) was / is known to, or in the possession of the Supplier prior to disclosure thereof by the Company;
- b) is or becomes publicly known, otherwise than as a result of a breach of this agreement by the Supplier.
- c) is developed independently of the Disclosing party by the Supplier in circumstances that do not amount to a breach of the provisions of this Agreement or the Contract;
- d) is received from a third party in circumstances that do not result in a breach of the provisions of this Agreement.

- 7. The Obligation of maintaining confidentiality of the Technical Information on each occasion, shall subsist for the entire duration during which the Technical Information / equipment is in possession of the Supplier and shall thereafter subsist for a further period of \_\_\_\_\_ years from the date when the complete Technical Information has been returned in portions on different dates, the period of \_\_\_\_ years will be reckoned from the date when the last portion of the Technical Information has been returned. Notwithstanding the expiry of the confidentiality obligation, the obligation of the Supplier under clause 5.4 shall continue to subsist for a further period of \_\_\_\_\_ years.

## **8. Warranties & Undertakings:**

- a) The Supplier undertakes to ensure the due observance of the undertakings of confidence, restricted use and non-disclosure by its persons to whom it discloses or releases copies or extracts of the Technical Information.
- b) The Supplier shall keep the Technical Information or improvement made therein properly segregated and not mix up the same with any other material / documents belonging to him / it or to any other third party.
- c) The Supplier further undertakes that he / it shall not hypothecate or give on lease or otherwise alienate or do away with any of the Technical Information and / or equipment of the Company, made available to him / it, and undertakes that he / it shall hold the same as a trustee, in capacity of custodian thereof and use / utilise the same solely for the purpose of executing the contract awarded by the Company.
- d) The Supplier further undertakes that he / it shall return all the equipment and / or Technical Information as far as practicable in the same condition in which the same was made available to him / it by the Company together with any Improvement thereon and the documents connected with such Improvement, to the Company forthwith upon completion of the scope of work or contract for which such Technical Information was provided by the Company to it or as directed by the Company together with a confirmation by way of an affidavit or in such manner as directed by the Company that it has not retained any equipment and / or Technical Information / improvement thereof. In case any such equipment and / or Technical Information or thereof shall remain in his possession or is not capable of being returned, the retention and use of such Technical Information or improvement thereto shall continue to be governed by this Agreement.
- e) The Supplier undertakes to indemnify the Company for all the direct, indirect and / or consequential losses, damages, expenses whatsoever including any consequential loss of business, profits suffered by the Company owing to breach by the Supplier of its obligations under this Agreement and / or the confidentiality requirements, if any, contained in the Contract and that the Supplier hereby agrees that the decision of the Company in all such or any such matter/s shall be final and binding on the Supplier. On mere written demand of the Company, the Supplier shall forthwith and without demur or delay pay to the Company any such sum as determined by the Company as the amount of loss or damage or expense which has been suffered by the Company. The Supplier agrees that the Company shall be entitled to withhold and appropriate any amount payable to the Supplier under any Contract then existing between the Company and the Supplier, in case the Supplier fails to make payment, in terms of the written demand, within 7 days thereof. Without prejudice to the forgoing actions, in respect to any breach of this Agreement, the Company shall be entitled to take

any other action against the Supplier as per applicable laws, the Contract, Company's applicable policies, guidelines rules, procedures, etc.

9. Without prejudice to any other mode of recovery as may be available to the Company for recovery of the amount determined as due as per Clause 9 (f) hereinabove, the Company shall have a right to withhold, recovery and appropriate the amount due towards such losses, damages, expenses, from any amount due to the Supplier in respect of any other Contract (s) placed on him / it by any department / office / unit/ division of the said Company.

#### **10. Arbitration & Conciliation:**

Except as provided elsewhere in this Contract, in case amicable settlement is not reached between the Parties, in respect of any dispute or difference; arising out of the formation, breach, termination, penalty deduction, validity or execution of the Contract; time extension, or, the respective rights and liabilities of the Parties; or, in relation to interpretation of any provision of the Contract; or, in any manner touching upon the Contract, then, either Party may, by a notice in writing to the other Party refer such dispute or difference to the sole arbitration. Sole arbitrator to be appointed by Head of the Unit - BHEL, HPEP.

The Arbitrator shall pass a reasoned award and the award of the Arbitrator shall be final and binding upon the Parties.

Subject as aforesaid, the provisions of Arbitration and Conciliation Act 1996 (India) or statutory modifications or re-enactments thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceedings under this clause.

The seat of arbitration shall be Sangareddy / Hyderabad, Telangana. The language of arbitration shall be English and the documents shall be submitted in English.

The cost of arbitration shall initially be borne equally by the Parties subject to the final apportionment of the cost of the arbitration in the award of the Arbitrator.

Subject to the arbitration in terms of clause 46 of ITB (clause 27 of ATC GeM), the courts at Sangareddy, Telangana State shall have exclusive jurisdiction over any matter arising out of or in connection with this contract.

Notwithstanding the existence or any dispute or differences and/or reference for the arbitration, the Contractor shall proceed with and continue without hindrance the performance of its obligations under this Contract with due diligence and expedition in a professional manner except where the Contract has been terminated by either Party in terms of this Contract.

**ARBITRATION FOR CONTRACT WITH PUBLIC SECTOR ENTERPRISE (PSE) OR A GOVERNMENT DEPARTMENT**

In the event of any dispute or difference relating to the interpretation and application of the provisions of commercial contract(s) between Central Public Sector Enterprises (CPSEs/ Port Trusts inter se and also between CPSEs and Government Departments/Organizations (excluding disputes concerning Railways, Income Tax, Customs & Excise Departments), such dispute or difference shall be taken up by either party for resolution through AMRCD as mentioned in DPE OM No 4(1)/2013-DPE(GM/FTS 1835 dated 22-05-2018

**CONCILIATION CLAUSE FOR CONDUCTING CONCILIATION PROCEEDINGS UNDER THE BHEL CONCILIATION SCHEME, 2018:** The Parties agree that if at any time (whether before, during or after the arbitral or judicial proceedings), any Disputes (which term shall mean and include any dispute, difference, question or disagreement arising in connection with construction, meaning, operation, effect, interpretation or breach of the agreement, contract or the Memorandum of Understanding, penalty deduction, time extension), which the Parties are unable to settle mutually, arise inter-se the Parties, the same may, be referred by either party to Conciliation to be conducted through Independent Experts Committee to be appointed by competent authority of BHEL from the BHEL Panel of Conciliators.

The proceedings of Conciliation shall broadly be governed by Part-III of the Arbitration and Conciliation Act 1996 or any statutory modification thereof and as provided in Procedure in [http://www.bhel.com/index.php/story\\_details?story=2454](http://www.bhel.com/index.php/story_details?story=2454) . The Procedure together with its Formats will be treated as if the same is part and parcel hereof and shall be as effectual as if set out herein in this ITB

**11. Governing Law & Jurisdiction:**

This agreement shall be construed and interpreted in accordance with the laws of India and shall have exclusive jurisdiction of Sangareddy/Hyderabad courts, Telangana, India.

**SIGNATURE**

**WITNESSES**

**1**

**Name:**

**Address:**

**2**

**Name:**

**Address:**



**Auditor's certification with respect to minimum local content on the letter head of Statutory Auditor for tender value above Rs.10 crore**

"We \_\_\_\_\_ the statutory auditor of M/s \_\_\_\_\_ (name of the bidder) hereby certify that M/s \_\_\_\_\_ (name of manufacturer) meet the mandatory Local Content requirements of the Goods and/or Services i.e. \_\_\_\_\_ (to be filled as notified in the policy) quoted vide offer No. \_\_\_\_\_ dated \_\_\_\_\_ against BHEL's tender No. \_\_\_\_\_ by M/s \_\_\_\_\_ (Name of the bidder)."

## Annexure - IV

22 (B)

**Proforma for self-certification by Supplier for Compliance to Clause No**  

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and I certify that M/s.... (Name of firm) is **not from such a country/is from such a country** (delete whichever is NOT applicable) and has been duly registered with the Competent authority (delete if NOT applicable) . I hereby certify M/s ..... fulfills all requirements in this regard and is eligible to be considered . ( where applicable , valid registration by the competent authority shall be attached )

Sd/-

Authorised Signatory with Stamp

**INTEGRITY PACT****Between**

Bharat Heavy Electricals Ltd. (BHEL), a company registered under the Companies Act 1956 and having its registered office at "BHEL House", Siri Fort, New Delhi - 110049 (India) hereinafter referred to as "The Principal", which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the ONE PART

**and**

\_\_\_\_\_, (description of the party along with address), hereinafter referred to as "The Bidder/ Contractor" which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the OTHER PART

**Preamble**

The Principal intends to award, under laid-down organizational procedures, contract/s for \_\_\_\_\_

\_\_\_\_\_ (hereinafter referred to as "Contract"). The Principal values full compliance with all relevant laws of the land, rules and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder(s)/ Contractor(s).

In order to achieve these goals, the Principal will appoint panel of Independent External Monitor(s) (IEMs), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

**Section 1- Commitments of the Principal**

- 1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles: -
  - 1.1.1 No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
  - 1.1.2 The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
  - 1.1.3 The Principal will exclude from the process all known prejudiced persons.
- 1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Indian Penal Code 1860 and Prevention of Corruption Act 1988 or any other statutory penal enactment, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

**Section 2 - Commitments of the Bidder(s)/ Contractor(s)**

- 2.1 The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. The Bidder(s)/ Contractor(s) commits himself to observe the following principles during participation in the tender process and during the contract execution.

- 2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he/ she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
- 2.1.2 The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any illegal or undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
- 2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant Indian Penal Code (IPC) and Prevention of Corruption Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- 2.1.4 Foreign Bidder(s)/ Contractor(s) shall disclose the name and address of agents and representatives in India and Indian Bidder(s)/ Contractor(s) to disclose their foreign principals or associates. The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- 2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 2.3 The Bidder(s)/ Contractor(s) shall not approach the Courts while representing the matters to IEMs and shall await their decision in the matter.

### **Section 3 - Disqualification from tender process and exclusion from future contracts**

If the Bidder(s)/ Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 above, or acts in any other manner such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/ Contractor(s) from the tender process, terminate the contract, if already awarded, exclude from future business dealings and/ or take action as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors", framed by the Principal.

### **Section 4 - Compensation for Damages**

- 4.1 If the Principal has disqualified the Bidder (s) from the tender process before award / order acceptance according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/ Bid Security.
- 4.2 If the Principal is entitled to terminate the Contract according to Section 3, or terminates the Contract in application of Section 3 above, the Bidder(s)/ Contractor (s) transgression through a violation of Section 2 above shall be construed breach of contract and the Principal shall be entitled to demand and recover from the Contractor an amount equal to 5% of the contract value or the amount equivalent to Security Deposit/ Performance Bank Guarantee, whichever is higher, as damages, in addition to and without prejudice to its right to demand and recover compensation for any other loss or damages specified elsewhere in the contract.

**Section 5 - Previous Transgression**

- 5.1 The Bidder declares that no previous transgressions occurred in the last 3 (three) years with any other company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
- 5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason or action can be taken as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors", framed by the Principal.

**Section 6 - Equal treatment of all Bidder (s)/ Contractor (s) / Sub-contractor (s)**

- 6.1 The Principal will enter into Integrity Pacts with identical conditions as this Integrity Pact with all Bidders and Contractors.
- 6.2 In case of Sub-contracting, the Principal Contractor shall take the responsibility of the adoption of Integrity Pact by the Sub-contractor(s) and ensure that all Sub-contractors also sign the Integrity Pact.
- 6.3 The Principal will disqualify from the tender process all Bidders who do not sign this Integrity Pact or violate its provisions.

**Section 7 - Criminal Charges against violating Bidders/ Contractors /Subcontractors**

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

**Section 8 -Independent External Monitor(s)**

- 8.1 The Principal appoints competent and credible panel of Independent External Monitor (s) (IEMs) for this Integrity Pact. The task of the IEMs is to review independently and objectively, whether and to what extent the parties comply with the obligations under this Integrity Pact.
- 8.2 The IEMs are not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.
- 8.3 The IEMs shall be provided access to all documents/ records pertaining to the Contract, for which a complaint or issue is raised before them as and when warranted. However, the documents/records/information having National Security implications and those documents which have been classified as Secret/Top Secret are not to be disclosed.
- 8.4 The Principal will provide to the IEMs sufficient information about all meetings among the parties related to the Contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the IEMs the option to participate in such meetings.

- 8.5 The advisory role of IEMs is envisaged as that of a friend, philosopher and guide. The advice of IEMs would not be legally binding and it is restricted to resolving issues raised by a Bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some Bidders. At the same time, it must be understood that IEMs are not consultants to the Management. Their role is independent in nature and the advice once tendered would not be subject to review at the request of the organization.
- 8.6 For ensuring the desired transparency and objectivity in dealing with the complaints arising out of any tendering process or during execution of Contract, the matter should be examined by the full panel of IEMs jointly, who would look into the records, conduct an investigation, and submit their joint recommendations to the Management.
- 8.7 The IEMs would examine all complaints received by them and give their recommendations/ views to the CMD, BHEL at the earliest. They may also send their report directly to the CVO, in case of suspicion of serious irregularities requiring legal/ administrative action. Only in case of very serious issue having a specific, verifiable Vigilance angle, the matter should be reported directly to the Commission. IEMs will tender their advice on the complaints within 30 days.
- 8.8 The CMD, BHEL shall decide the compensation to be paid to the IEMs and its terms and conditions.
- 8.9 IEMs should examine the process integrity, they are not expected to concern themselves with fixing of responsibility of officers. Complaints alleging mala fide on the part of any officer of the Principal should be looked into by the CVO of the Principal.
- 8.10 If the IEMs have reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant Indian Penal Code / Prevention of Corruption Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the IEMs may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
- 8.11 After award of work, the IEMs shall look into any issue relating to execution of Contract, if specifically raised before them. As an illustrative example, if a Contractor who has been awarded the Contract, during the execution of Contract, raises issue of delayed payment etc. before the IEMs, the same shall be examined by the panel of IEMs. Issues like warranty/ guarantee etc. shall be outside the purview of IEMs.
- 8.12 However, the IEMs may suggest systemic improvements to the management of the Principal, if considered necessary, to bring about transparency, equity and fairness in the system of procurement.
- 8.13 The word 'Monitor' would include both singular and plural.

## **Section 9 - Pact Duration**

- 9.1 This Integrity Pact shall be operative from the date this Integrity Pact is signed by both the parties till the final completion of contract for successful Bidder, and for all other Bidders 6 months after the Contract has been awarded. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings.
- 9.2 If any claim is made/ lodged during currency of this Integrity Pact, the same shall be binding and continue to be valid despite the lapse of this Pact as specified above, unless it is discharged/ determined by the CMD, BHEL.

**Section 10 - Other Provisions**

- 10.1 This Integrity Pact is subject to Indian Laws and exclusive jurisdiction shall be of the competent Courts as indicated in the Tender or Contract, as the case may be.
- 10.2 Changes and supplements as well as termination notices need to be made in writing.
- 10.3 If the Bidder(s)/ Contractor(s) is a partnership or a consortium or a joint venture, this Integrity Pact shall be signed by all partners of the partnership or joint venture or all consortium members.
- 10.4 Should one or several provisions of this Integrity Pact turn out to be invalid, the remainder of this Integrity Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 10.5 Only those bidders / contractors who have entered into this Integrity Pact with the Principal would be competent to participate in the bidding. In other words, entering into this Integrity Pact would be a preliminary qualification.
- 10.6 In the event of any dispute between the Principal and Bidder(s)/ Contractor(s) relating to the Contract, in case, both the parties are agreeable, they may try to settle dispute through Mediation before the panel of IEMs in a time bound manner. In case, the dispute remains unresolved even after mediation by the panel of IEMs, either party may take further action as the terms & conditions of the Contract. The fees/expenses on dispute resolution through mediation shall be shared by both the parties. Further, the mediation proceedings shall be confidential in nature and the parties shall keep confidential all matters relating to the mediation proceedings including any settlement agreement arrived at between the parties as outcome of mediation. Any views expressed, suggestions, admissions or proposals etc. made by either party in the course of mediation shall not be relied upon or introduced as evidence in any further arbitral or judicial proceedings, whether or not such proceedings relate to the dispute that is the subject of mediation proceedings. Neither of the parties shall present IEMs as witness in any Alternative Dispute Resolution or judicial proceedings in respect of the dispute that was subject of mediation.

-----  
For & On behalf of the Principal  
(Office Seal)

Place \_\_\_\_\_

Date \_\_\_\_\_

Witness: \_\_\_\_\_  
(Name & Address) \_\_\_\_\_

\_\_\_\_\_

-----  
For & On behalf of the Bidder/ Contractor  
(Office Seal)

Witness: \_\_\_\_\_  
(Name & Address) \_\_\_\_\_

\_\_\_\_\_



PRE-QUALIFICATION CRITERIA				
Item : Carbon Steel Tube sheet forging				
S.No.	BHEL Requirement	Vendor's Confirmation	Deviation if Any	Remarks
1	All the suppliers need to submit this document i.e. titled pre-qualification criteria and furnish required information along with offer.			
2	<p>a) Name, address, e-mail id, contact no. etc. of Tube sheet forge master.</p> <p>b) Name, address, e-mail id, contact no.etc. of authourised agency / trading house quoting on behalf of manufacturing mill. In case offer is received from authourised agency / trading house, the following requirements shall be full filled. i) Valid letter of authorisation and copy of agreement to be enclosed with offer. ii) The offer should be either from the authorised agency or from the manufacturer directly. In case of BHEL receiving offer from both, then offer from manufaturer will only be considered. Offer from an unauthorised agency / entity on behalf of any vendor shall be summarily rejected. iii) Name, address, e-mail id, contact no.etc. of entity on whom order to be released in case of L1 shall be clearly indicated.</p>			
3	Supplier to confirm / provide the following criteria / documents for evaluation of offer.			
	(a) The supplier should have the proven experience in manufacturing and supply of C.S. Tube Sheet Forging (hub type) as mentioned below.			
	<p>i) Material : SA 350 LF2 CL1 / SA 266 Gr.1-4 / SA-336 Confirming to ASME BPVC SEC-II PART-A. Materials supplied as per standards, equivalent to above ASME Materials can be considered. However it is vendors responsibility to provide sufficient document evidence to prove the equivalent standard for ASME Materials.</p> <p>ii) Tube Sheet O.D : 1000mm minimum and above.</p> <p>iii) Tube Sheet Thickness : 350 mm (<i>excluding hub height</i>) minimum and above.</p> <p>iv) Application : Heat Exchangers.</p> <p>v) Service : Thermal power plant/Nuclear power plant/Process plant</p> <p>vi) Satisfactory Working of equipment: The heat exchanger provided with this tube sheet should have undergone successful hydro test either at heat exchanger manufactures works or at project site.</p>			
	vii) The supplier shall be original forge master.			
	All the above criteria 3(a) (i) to 3(a) (vii) must be combinedly met by the vendor against a single supply reference of tube sheet forging.			
	<p>(b) The supplier meeting all the above criteria as 3 (a) (i) to 3 (a) (vii) shall furnish the following details in Annexure - 1.</p> <ul style="list-style-type: none"> <li>- Contact details of HP Heater Manufacturer (Name, e-mail ID, Mobile etc)</li> <li>- Date of Tubesheet supply (DDMMYY format)</li> <li>- Quantity, size</li> <li>- Date of Hydro Test of Heat Exchanger</li> <li>- Project name</li> <li>- No of years equipment is in service at Power Plant.</li> </ul> <p>Or</p> <p>Heat exchanger Manufacturer's certificate (in English) containing the supply details as above both 3(a) &amp; 3(b), Contact details [E-Mail ID, Land line/Mobile No.] and complete address of Heater Manufacturer may be furnished.</p> <p><b>Note :</b> Suppliers shall furnish minimum 2 number and maximum upto 6 number of latest customer reference details meeting the above criteria as indicated above.</p> <p><b>All the documents shall be furnished only in English. Documents furnished in other langauges will not be considered for further evaluation.</b></p>			
	(c) BHEL reserves the right to cross verify with the above such customers and satisfy itself with reference to the claims of the supplier. If the information furnished by the supplier is not found satisfactory / no response from customer, the offer will be technically rejected.			
4	Offers without the requirement as above 3(a) & 3(b) will not be technically evaluated by BHEL. Further, no correspondence in this matter will be entertained.			
5	The raw billets are to be sourced from reputed mills. The Tube sheet forging manufacturer shall furnish details of such mills along with manufacturing and testing facilities, size ranges and the customers to whom they are supplying. BHEL reviews the credentials of such supplier and may accept the proposal if it is satisfied technically. The decision of BHEL is final in this regard.			
6	The vendors should furnish the detailed process of manufacturing and testing procedures along with the offer.			
7	List of BHEL qualified bidders may be forwarded to BHEL's End Customer for their review and approval. The list finalized by BHEL's End Customer shall be final and binding.			
8	BHEL team may carry out vendor evaluation/assesment(incase of a new vendor)by a visit to vendor works for qualifying /rejecting the technical bid based on the findings of the visit.			
9	Vendors to submit their bid in 2- part system, i.e. Part-I shall consists of Pre-Qualification Criteria along with the required documnets and Techno-commercial bids and Part-II shall consists of Price Bid. Offers failing to meet prequalification part will not be considered for further evaluation.			

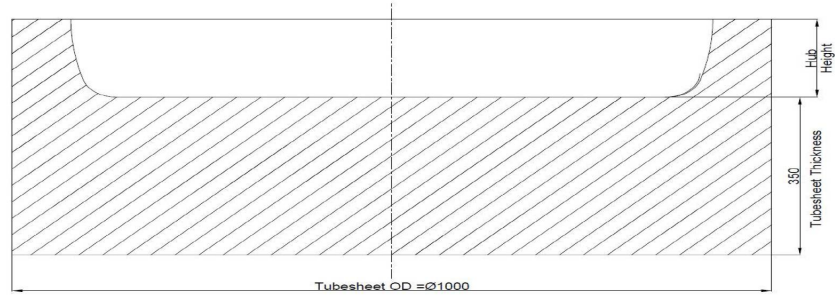
Annexure-1													
Tube sheet Reference details													
Ref project S.no	Material (SA 350 LF2 CL1 / SA 266 Gr.1-4 / SA-336)	OD mm	THK (min 350) mm	Supply date DDMMYYYY	Heat Exchanger Application (Yes/No)	Heat Exchanger manufacturer details			End customer details				
						Supplied to (Heat Exchanger manufacturer's name)	Contact person	E-Mail id &Phone no	Name of the organisation(End user)	Project Details	No.of years the equipment is in service	Contact person	E-Mail id&Phone no:
1													
2													
3													
4													
5													
6													

Note:

a) Reference list shall be submitted in the above format only.  
 Vendors are requested to fill the above and submit along with PreQualification Criteria(PQC).Details mentioned above only are considered for PQC evaluation.

b) wherever details are not available,vendor to mention as "NA"  
 Reference project Tube sheet shall be either of SA 350 LF2 CL1 / SA 266 Gr.1-4 / SA-336 confirming to ASME BPVC SEC-II PART-A.  
 Materials supplied as per standards equivalent to the said ASME Materials can be considered.However it is vendors responsibility to provide sufficient document evidence to prove the equivalent standard for ASME Materials. Other materials shall be considered as INVALID Reference.

c) Clause no 3(a) (i) to 3(a) (vii) of PQC must be combinedly met by the vendor against a single supply reference of Tube sheet. Maximum of 06 such reference shall be mentioned in the above table.



Vendor's signature with seal

**BHEL REF NO D5A1X26949**

**ANNEXURE A**

**Technical terms and Material specification**

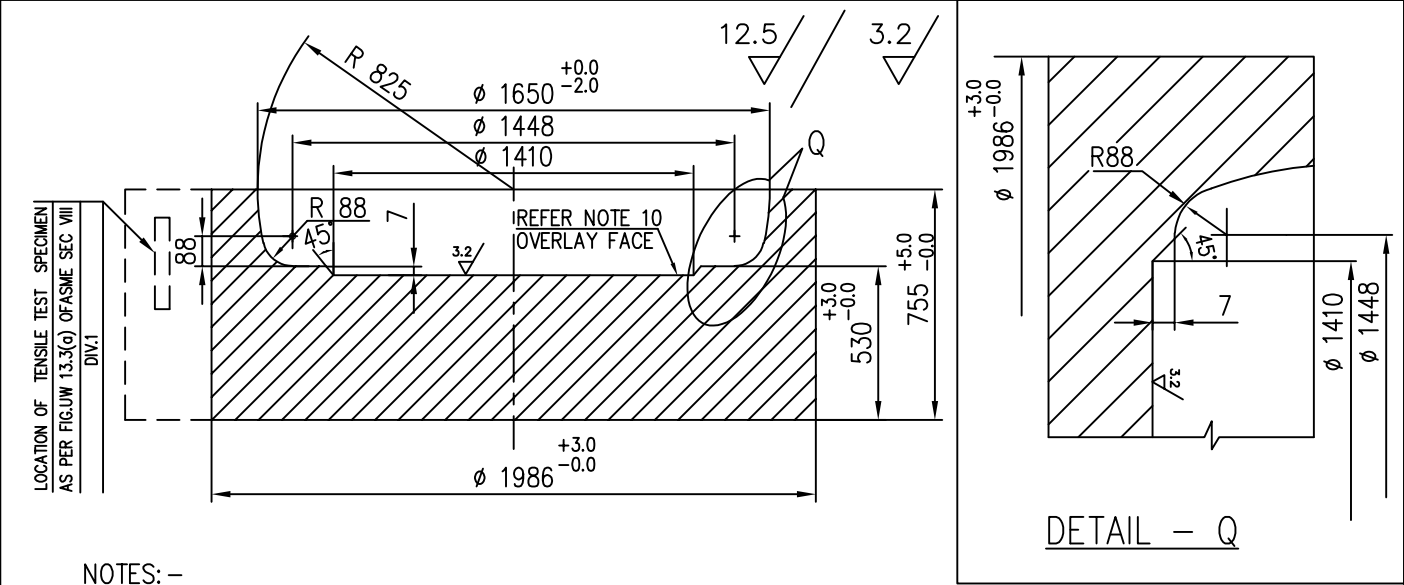
LOT No.	Material Code.	Description	Qty	Technical terms and Material specification	Vendor's confirmation
LOT 1	HE9718634380	TUBESHEET FORGING(7MM OVLAY MACHNG)	12	MATERIAL SHALL BE AS PER FOLLOWING. i) DRAWING NO : 41750103689 REV 00. ii) PRODUCT STANDARD HE51155 REV 10. iii) UST STD: HE71044 REV 01 iv) QUALITY PLAN: 1150-001-QVM-Q-184 A REV 01. v) ASME SEC II PART A 2023 EDITION SHALL BE FOLLOWED. vi) INSPECTION CERTIFICATION BY BHEL TPIA, IBR IN FORM IIIG & NTPC	
	HE9718634398	TESTCOUPON FOR TUBESHEET FORGING	12		
LOT 2	HE9718634347	TUBESHEET FORGING(OVERLAY MACHINING)	24	MATERIAL SHALL BE AS PER FOLLOWING. i) DRAWING NO : 41750103687 REV 00. ii) PRODUCT STANDARD HE51155 REV 10. iii) UST STD: HE71044 REV 01 iv) QUALITY PLAN: HY/HE/001/TUBE SHEET REV 04. v) ASME SEC II PART A 2023 EDITION SHALL BE FOLLOWED. vi) INSPECTION CERTIFICATION BY BHEL TPIA, IBR IN FORM IIIG.	
	HE9718634355	TEST COUPON FOR TUBESHEET FORGING	24		
LOT 3	HE9718634363	TUBESHEET FORGING(OVERLAY MACHINING)	8	MATERIAL SHALL BE AS PER FOLLOWING i) DRAWING NO : 41750103688 REV 00. ii) PRODUCT STANDARD HE51155 REV 10. iii) UST STD: HE71044 REV 01 iv) QUALITY PLAN: HY/HE/001/TUBE SHEET REV 04. v) ASME SEC II PART A 2023 EDITION SHALL BE FOLLOWED. vi) INSPECTION CERTIFICATION BY BHEL TPIA, IBR IN FORM IIIG.	
	HE9718634371	TEST COUPON FOR TUBESHEET FORGING	8		

VENDOR'S SIGN WITH SEAL

INVENTORY NO. SIGN. AND DATE REF. DRG. NO. THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN mm)

REV.	DATE	ALTERED	CHECKED	APPD	REV.	DATE	ALTERED	CHECKED	APPD	ADDITIONAL INFORMATION
										STATUS OF DRAWING
										DISTURIBUTION OF PRINTS



- NOTES: -
1. MATERIAL : SA 350 LF2 CL.1 AS PER SEC II PART A, EDITION AS PER P.R/P.O .
  2. TECHNICAL REQUIREMENTS AS PER PRODUCT STANDARD HE51155 LATEST REVISION.
  3. QUALITY REQUIREMENTS AS PER Q.P. NO. HY/HE/001/TUBE SHEET LATEST REVISION.
  4. INSPECTION & CERIFICATION : i) INDEGINOUS = BY M/S CIB & M/S BHEL APPROVED TPIA.  
ii) IMPORTED = BY M/S BHEL APPROVED TPIA IN IBR FORM IIIG.
  5. UST ACCEPTANCE STD. HE 7 1044 LATEST REVISION.
  6. DIMENSION MENTIONED ARE THOSE OF FINISHED CONDITION, NO MACHINING ALLOWANCE SHALL BE PROVIDED FOR MACHINING AT BHEL WORKS.
  7. MAX WORKING PRESSURE (DESIGN PRESSURE) : 390 kg/Sq.Cm (g).
  8. MAX WORKING TEMPERATURE (DESIGN TEMPERATURE) : 318°C
  9. APPLICABLE CODE: AS PER P.O/INDENT.
  - 10.TUBESHEET OVERLAY FACE SHALL BE MT & PT TESTED AFTER 7MM MACHINING.

ITEM No.	DESCRIPTION	MATERIAL CODE	WEIGHT (KG)
001	TUBE SHEET	HE9718634347	14685
002	PRODUCTION TEST COUPON SIZE : 168 Thk. x 250 x 250	HE9718634355	83

ITEM NO	DESCRIPTION	DRAWING NO.	MATL. CODE	UNIT Wt.
			MATL. SPEN.	QTY.

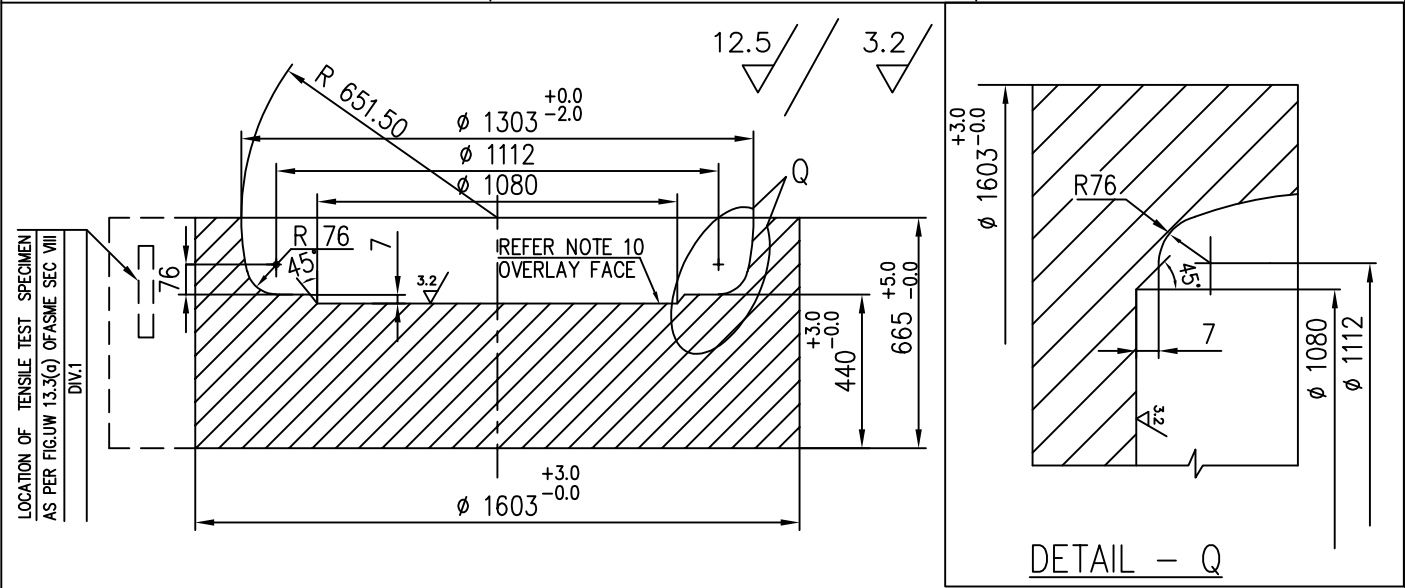
		BHARAT HEAVY ELECTRICALS LTD. HYDERABAD		DRN.	NAME SAPTARSHI	SIGN. SB	DATE 24.10.24	NO.OF VAR.
				CHD.	A K SAHOO	AKS	24.10.24	
				APPD.	K KISHORE KUMAR	KKK	24.10.24	
DEPT. HED	GRADE OF TOL.DIM. C/M/F		SCALE NTS	WEIGHT (KG) NA	REF. TO ASSY DRG. NA		ITEM NO. NA	NO.OF ITEMS NA
CODE 405					DRAWING NO. 4-175-01-03687		REV. 00	
TITLE TUBE SHEET FORGING (WITH 7MM MACHINING FOR OVERLAY)				CARD CODE				

24-Oct-2024 15:02:02 This Drawing is Restricted Document. Signatures are not required

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FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN mm)


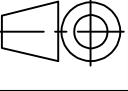
REV.	DATE	ALTERED	CHECKED	APPD	REV.	DATE	ALTERED	CHECKED	APPD	ADDITIONAL INFORMATION
										STATUS OF DRAWING
										DISTURIBUTION OF PRINTS



- NOTES: -
- MATERIAL : SA 350 LF2 CL.1 .
  - TECHNICAL REQUIREMENTS AS PER PRODUCT STANDARD HE51155 REV. LATEST AS PER PO/INDENT.
  - QUALITY REQUIREMENTS AS PER Q.P. NO. HY/HE/001/TUBE SHEET REV.LATEST AS PER PO/INDENT.
  - INSPECTION & CERIFICATION : i) INDEGINOUS = BY M/S CIB & M/S BHEL APPROVED TPIA.  
ii) IMPORTED = BY M/S BHEL APPROVED TPIA IN IBR FORM III G.
  - UST ACCEPTANCE STD. HE 7 1044 REV. LATEST AS PER PO/INDENT.
  - DIMENSION MENTIONED ARE THOSE OF FINISHED CONDITION, NO MACHINING ALLOWANCE SHALL BE PROVIDED FOR MACHINING AT BHEL WORKS.
  - MAX WORKING PRESSURE (DESIGN PRESSURE) : 390 kg/Sq.Cm (g).
  - MAX WORKING TEMPERATURE (DESIGN TEMPERATURE) : 350°C
  - APPLICABLE DESIGN CODE: AS PER P.O/INDENT.
  - TUBESHEET OVERLAY FACE SHALL BE MT & PT TESTED AFTER 7MM MACHINING.

ITEM No.	DESCRIPTION	MATERIAL CODE	WEIGHT (KG)
001	TUBE SHEET	HE9718634363	8250
002	PRODUCTION TEST COUPON SIZE : 150 Thk. x 250 x 250	HE9718634371	74

ITEM NO	DESCRIPTION	DRAWING NO.	MATL. CODE	UNIT Wt.
			MATL. SPEN.	QTY.

		BHARAT HEAVY ELECTRICALS LTD. HYDERABAD		DRN.	NAME S. BHATTACHARYA	SIGN. S. B.	DATE 24.10.24	NO.OF VAR.
				CHD.	A.K.SAHOO	A.K.S	24.10.24	
				APPD.	K. KISHORE KUMAR	K.K.K.	24.10.24	
DEPT. HED	GRADE OF TOL.DIM. C/M/F		SCALE NTS	WEIGHT (KG) NA	REF. TO ASSY DRG. NA		ITEM NO. NA	NO.OF ITEMS NA
CODE 405								
TITLE TUBE SHEET FORGING (WITH 7MM MACHINING FOR OVERLAY)				CARD CODE	DRAWING NO. 4-175-01-03688			REV. 00
24-Oct-2024				No of sheets			1	

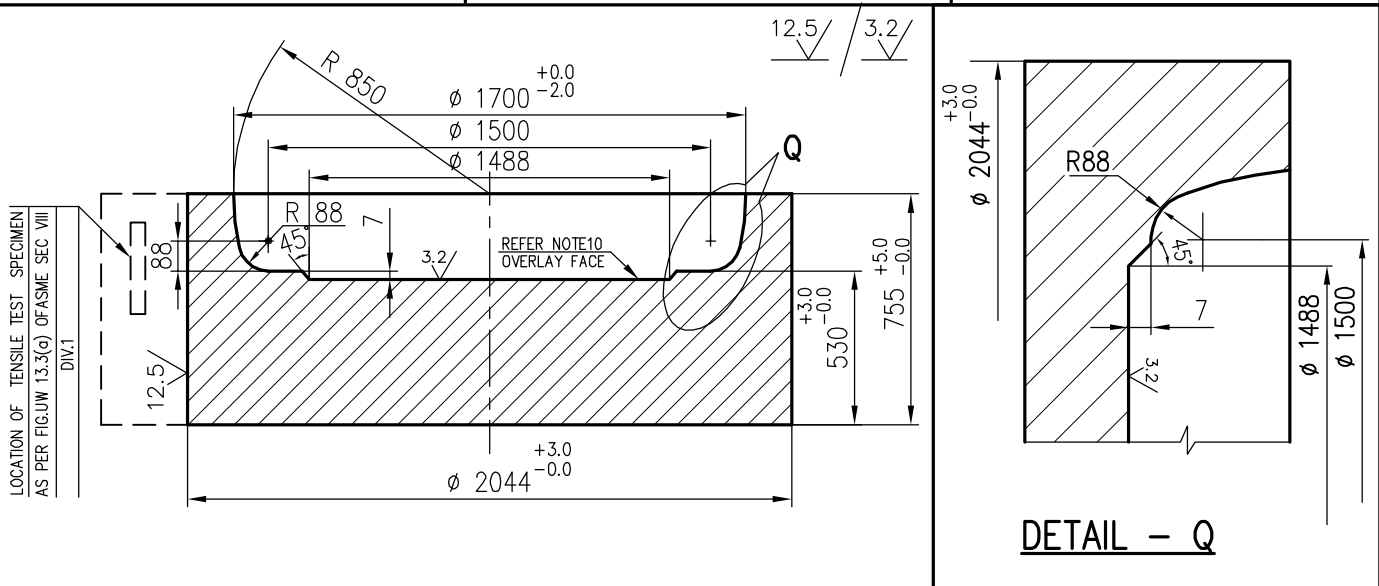
24-Oct-2024 This Drawing is Released From USFAS. Signatures are not required

INVENTORY NO. SIGN. AND DATE REF. DRG. NO. THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

REV.	DATE	ALTERED	CHECKED	APPD	REV.	DATE	ALTERED	CHECKED	APPD	ADDITIONAL INFORMATION
										STATUS OF DRAWING
										DISTURIBUTION OF PRINTS



NOTES:-


1. MATERIAL : SA 350 LF2 CL.1 AS PER SEC II PART A, EDITION AS PER P.O/ENQUIRY.
2. TECHNICAL REQUIREMENTS AS PER PRODUCT STANDARD HE51155 LATEST REVISION.
3. QUALITY REQUIREMENTS AS PER P.O/ENQUIRY.
4. INSPECTION & CERIFICATION : i) INDEGINOUS = BY M/S CIB & M/S BHEL APPROVED TPIA.  
ii) IMPORTED = BY M/S BHEL APPROVED TPIA IN IBR FORM IIIG.
5. UST ACCEPTANCE STD. HE 7 1044 LATEST REVISION.
6. DIMENSION MENTIONED ARE THOSE OF FINISHED CONDITION, NO MACHINING ALLOWANCE SHALL BE PROVIDED FOR MACHINING AT BHEL WORKS.
7. MAX WORKING PRESSURE (DESIGN PRESSURE) : 395 kg/Sq.Cm (g).
8. MAX WORKING TEMPERATURE (DESIGN TEMPERATURE) : 318°C
9. APPLICABLE CODE: AS PER P.O/INDENT.
10. TUBESHEET OVERLAY FACE SHALL BE MT AND PT TESTED AFTER 7MM MACHINING.

ITEM No.	DESCRIPTION	MATERIAL CODE	WEIGHT (KG)
001	TUBE SHEET	HE9718634380	15645
002	PRODUCTION TEST COUPON SIZE : 172 Thk. x 250 x 250	HE9718634398	85

ITEM NO	DESCRIPTION	DRAWING NO.	MATL. CODE	UNIT Wt.
			MATL. SPEN.	QTY.

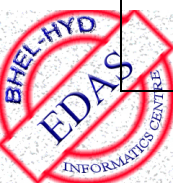
		<b>BHARAT HEAVY ELECTRICALS LTD.</b>		DRN.	NAME	SIGN.	DATE	NO.OF VAR.
		HYDERABAD		CHD.	RAJESH M	M RAJESH	24.10.24	
				APPD.	A K SAHOO	AKS	24.10.24	
DEPT. HED	GRADE OF TOL.DIM. C/M/F		SCALE	WEIGHT (KG)	REF. TO ASSY DRG.	ITEM NO.	NO.OF ITEMS	
CODE 405			NTS	NA	NA	NA	NA	
TITLE				CARD CODE	DRAWING NO.			REV.
TUBE SHEET FORGING (WITH 7MM MACHINING FOR OVERLAY)					4-175-01-03689			00
24-Oct-2024				No of sheets				1

24-Oct-2024 This Drawing is Restricted to BHEL S. Signatures are not required

TD-106-1 REV 5	Form no:		<b>PRODUCT STANDARD</b> <b>HEAT EXCHANGERS</b> HYDERABAD		HE 5 1155					
					REV NO:10					
					PAGE 1 OF 2					
<p style="text-align: center;">SPECIFICATION FOR TUBE SHEET FORGING FOR HIGH PRESSURE FEED WATER HEATERS.</p> <ol style="list-style-type: none"> <li>The forging shall conform in all respect to SA-350 LF2 CL.1, ASME sec. II part-A, year of edition &amp; addenda as mentioned in drawing/enquiry/P.0.</li> <li>Both heat &amp; product analysis shall be certified.</li> <li>Location of Test specimen for tensile testing shall be as per fig. UW-13.3(a) of ASME Sec.VIII Div.1. It should meet material specification.</li> <li>Impact test shall be carried out on each forging as per A370 and the acceptance values shall be as follows</li> </ol> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Test Temp.</td> <td style="text-align: center;">Average of 3 Specimens (J)</td> <td style="text-align: center;">Individual Min. (J)</td> </tr> <tr> <td style="text-align: center;">-45.6°C</td> <td style="text-align: center;">20</td> <td style="text-align: center;">16</td> </tr> </table> <ol style="list-style-type: none"> <li>Forging shall be ultrasonically tested. Acceptance shall be as per Std. HE71044.</li> <li>Surface to be overlayed shall be MT tested.</li> <li>Along with each tube sheet one attested test coupon of size as per drawing from the same heat/cast shall be supplied for proving C-seam at BHEL.</li> <li>Inspection and certification: <ol style="list-style-type: none"> <li>where the material is sourced from suppliers other than India, the certification shall be in IBR form III G duly signed by BHEL Approved Third Party Inspection Agency (BHEL TPIA). BHEL TPIA shall be authorised by Central Boiler Board for that country.</li> <li>Where the material is sourced from Indigenous Suppliers, the certification shall be by Director of Boilers in form III G and also by BHEL Approved Third Party Inspection Agency (BHEL TPIA) as per ASME SEC.II Part A. Edition &amp; Addenda as indicated in the drawing/P. O &amp; enclosed quality plan.</li> </ol> </li> <li>All Quality requirements and certification shall be as per Quality Plan No. HY/HE/001 Tube Sheet.</li> </ol>		Test Temp.	Average of 3 Specimens (J)	Individual Min. (J)	-45.6°C	20	16			
		Test Temp.	Average of 3 Specimens (J)	Individual Min. (J)						
-45.6°C	20	16								
Ref doc:	Revisions:	Prepared:	Approved:	Date:						
	Refer to Record of revisions	B.U.G.	D.S.	28-01-86						

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RESTRICTED USE







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RESTRICTED USE





PRODUCT STANDARD  
HEAT EXCHANGERS  
HYDERABAD

HE 7 1044

REV-01

PAGE 1 OF 2

ACCEPTANCE LEVEL I FOR ULTRASONIC  
EXAMINATION OF FORGINGS

- △ a) No Cracks, flakes, seams or laps are not acceptable.
- △ b) No Indications larger than 50% of reference back reflection are not acceptable.
- △ c) Defects equal to or greater than 2mm graph of Distance Gain Setting (DGS) scale are not acceptable.
- d) Distance between two consecutive defects should not be less than three times the probe diameter.
- △ e) No Areas showing loss of back reflections larger than 20% of reference back reflection, when the back reflection is adjusted to 100% screen height at a sound place are not acceptable.
- △ f) No Indications per Cl. (b) or Cl. (c) above coupled with 20% loss of resultant back reflection per Cl. (e) above.

Note: This is identical to 4-14-0144-S and shall replace it.





## PRODUCT STANDARD

## HEAT EXCHANGERS

HYDERABAD

HE 7 1044


REV. NO. 01

PAGE 2 OF 2

## RECORD OF REVISIONS

[illegible]



<div></div>		BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD		STANDARD QUALITY PLAN FOR VENDOR ITEMS				QP. NO: HY/ HE/ 001/ TUBE SHEET							
				ITEM: H.P.HEATER TUBE SHEET FORGING BHEL SPEC: HE 51155, R10 BHEL DRG : AS PER P.O.				REV. NO. : 04							
								DATE: 25.10.2024							
										PAGE 1 OF 2					
SL	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REF DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	* D	AGENCY			REMARKS		
										P	W	V			
1.1	STEEL MAKING	STEEL MAKING PROCESS	MAJOR	LADDLE CHEMISTRY	EACH HEAT	SA 350 LF2 CL1 & HE 51155		STEEL MILL TC	✓	2		1			
1.2		CHECK ANALYSIS	MAJOR	SPECTRO ANALYSIS	SAMPLE/HE AT	SA 350 LF2 CL1 & HE 51155		STEEL MILL TC /IR		2					
1.3	FORGING BLANK	FORGING STEP TO BE FOLLOWED	MAJOR	MFR PROCESS	100%	MFR STD/ DRG		IR		2					
1.4		REDUCTION RATIO						IR	✓	2		1	MIN 3:1		
1.5	FORGING	INTERNAL SOUNDNESS-NDE	MAJOR	UT	100%	SA 388	HE71044	IR	✓	2	1				
1.6		TEST PIECE MARKING- FOR MECH TESTING & C SEAM TEST COUPON	MAJOR	VISUAL,MEASR T	100%	UW 13.3 (A) OF ASME SEC. VII I, DIV.1.BHEL DRG,		IR	✓	2	1				
1.7		HETA TREATMENT TEMP, TIME ETC	MAJOR	HT CYCLE	100%	SA 350 LF2 CL1 & HE 51155		HT CHART, HT REPORT	✓	2		1			
1.8		PRODUCT ANALYSYIS	MAJOR	COMPOSITION	SAMPLE/HE AT	SA 350 LF2 CL1 & HE 51155		IR	✓	2		1			
1.9		MECH PROPERTIES	MAJOR	MECH	AS PER SPEC	SA 350 LF2 CL1 & HE 51155		IR	✓	2	1				
1.10		IMPACT @ -45.6 DEG C	MAJOR	MECH	AS PER SPEC	SA 350 LF2 CL1 & HE 51155		IR	✓	2	1				
1.11		MT OF THE SURFACE TO BE OVER LAYED	MAJOR	NDE	100%	ASME SEC.V ART.	ASME SEC.VI II DIV.I APPX.6	SUPPLIERS TC	✓	2	1				
1.12		PT ON SURFACE TO BE OVERLAYED	MAJOR	NDE	100%	ASME SEC.V ART.6	ASME SEC.VI II DIV.I , APPX.8	SUPPLIERS TC	✓	2	1				
1.13		DIM. CONFORMITY,VISUAL PRIOR TO MACHINING OPERATION	MAJOR	MEASURT. VISUAL	100%	DRG.	DRG.	SUPPLIERS TC	✓	2	1*	1	NOTE-6 * WITNESS IF MACHINING IS NOT IN SUPPLIER SCOPE		

VENDOR TO SUBMIT DRAWING AND TECH.DATASHEET FOR BHEL APPROVAL.

LEGEND:

P: - PERFORM, W: - WITNESS, V: - VERIFICATION,  
INDICATING 1: - BHEL / BHEL NOMINATED INSPECTION AGENCY, 2: - VENDOR / SUB VENDOR AS APPROPRIATE AGAINST EACH COMPONENT / CHARACTERISTICS UNDER THE COLUMNS P, W & V.

\* D: RECORDS IDENTIFIED WITH TICK (✓) SHALL BE ESSENTIALLY INCLUDED IN QA DOCUMENTATION.

PREPARED BY:

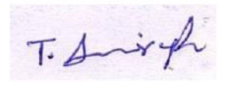
  
ALOK BEHERA


MGR / QA

REVIEWED BY:

  
VUSTELA SAMPATH KUMAR  
Sr. Manager / Quality & Business Excellence  
BHEL, R.C. PURAM, HYDRABAD



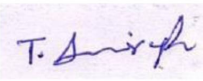
APPROVED BY:


  
T MUNIRAGHAVULU  
AGM/QA

		BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD		STANDARD QUALITY PLAN FOR VENDOR ITEMS				QP. NO: HY/ HE/ 001/ TUBE SHEET					
				ITEM: H.P.HEATER TUBE SHEET FORGING BHEL SPEC: HE 51155, R10 BHEL DRG : AS PER P.O.				REV. NO. : 04					
								DATE: 25.10.2024					
									PAGE 2 OF 2				
SL	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REF DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	* D	AGENCY			REMARKS
										P	W	V	
1.14	FORGING MACHINING ( IF IN SCOPE AS PER PO)	MACHINE CLAIBRATION	MAJOR	REVIEW	100%	MFR STD	MFR STD	IR		2		1	
1.15		MACINING OPERATION	MAJOR	VISUAL / DIMENSION	100%	MFR STD	MFR STD	IR		2			
1.16		FINAL VISUAL & DIMENSIONAL INSPECTION AFTER MACHINING	MAJOR	MEASURT. VISUAL	100%	DRG.	DRG.	SUPPLIERS TC	✓	2	1		NOTE-6
1.17		MT ON THE MACHINED SURFACE	MAJOR	NDE	100%	ASME SEC.V ART.	ASME SEC.VI II DIV.I APPX.6	SUPPLIERS TC	✓	2	1		
1.18		PT ON MACHINED SURFACE	MAJOR	NDE	100%	ASME SEC.V ART.6	ASME SEC.VI II DIV.I , APPX.8	SUPPLIERS TC	✓	2	1		
1.19	TUBE SHEET FORGING	IDENTIFICATION & STAMPING - MAIN FORGING - TEST COUPON C SEAM	MAJOR	IDENTIFICATIO N & CORELATION	100%	SA 350 LF2 CL1 & HE 51155		IR	✓	2		1	
1.20		VERIFICATION OF TCS AS PER QAP, SPEC & PO - MAIN FORGING - TEST COUPON C SEAM - APPLICABLE IBR FORMS	MAJOR	REVIEW	100%	SA 350 LF2 CL1 & QP	SA 350 LF2 CL1 & QP	SUPPLIERS TC	✓	2		1	
1.21		PRESERVATION, PACKING	MAJOR	VISUAL	100%	P.O., DRG. & SPN.	P.O., DRG. & SPN.	SUPPLIERS TC	✓	2		1	NOTE 4

**NOTES:**

- 1) CORRELATION OF FINISHED PRODUCTS WITH RAW MATERIAL AND MANUFACTURER TCs IS TO BE ENSURED.
- 2) BOTH HEAT ANALYSIS AND PRODUCT ANALYSIS SHALL BE DONE AND SHALL BE REPORTED IN TC.
- 3) ORIENTATION OF THE TEST COUPON SHALL BE AS PER UW 13.3 (A) OF ASME SEC. VII I, DIV.1.
- 4) ALL MACHINED SURFACES TO BE PROTECTED BY APPLYING RUST PREVENTIVE COATING TO PROTECT FROM RUST FOR A MINIMUM PERIOD OF 6 MONTHS.
- 5) PROJECT SPECIFIC REQUIREMENTS, IF ANY AS PER P.O., SHALL ALSO BE COMPLIED WITH
- 6) FORGING SHALL BE FREE FROM CRACKS, FLAKES SEEMS, NON METALIC INCLUSIONS & OTHER VISUAL DEFECTS.
- 7) IN CASE OF ANY INCONSISTENCY BETWEEN THE REQUIREMENTS OF BHEL SPEC./PO & QAP, BHEL SPEC./PO SHALL PREVAIL.
- 8) APPLICABLE VALID IBR TC IN SPECIFIED FORMAT SHALL BE PROVIDED FOR BHEL TPIA REVIEW.

VENDOR TO SUBMIT DRAWING ANDTECH.DATASHEET FFOR BHEL APPROVAL. LEGEND: P: - PERFORM, W: - WITNESS , V: - VERFICATION, INDICATING 1: - BHEL / BHEL NOMMNATED INSPECTION AGENCY, 2: - VENDOR / SUB VENDOR AS APPROPRIATE AGAINST EACH COMPONENT / CHARACTERISTICS UNDER THE COLUMNS P, W & V. * D: RECORDS IDENTIFIED WITH TICK (✓) SHALL BE ESSENTIALLY INCLUDED IN QA DOCUMENTATION.		<b>PREPARED BY:</b>   <b>ALOK BEHERA</b> MGR / QA	<b>REVIEWED BY:</b>   <b>VUSTELA SAMPATH KUMAR</b> Sr. Manager / Quality & Business Excellence BHEL, R.C. PURAM, HYDRABAD	<b>APPROVED BY:</b>   <b>T MUNIRAGHAVULU</b> AGM/QA
Format no. : HYQA/QP/VSQP Rev.02				



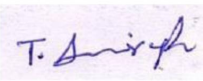
		BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD		STANDARD QUALITY PLAN FOR VENDOR ITEMS				QP. NO: HY/ HE/ 001/ TUBE SHEET					
				ITEM: H.P.HEATER TUBE SHEET FORGING				REV. NO. : 04					
				BHEL SPEC: HE 51155, R10				DATE: 25.10.2024					
				BHEL DRG : AS PER P.O.				PAGE 3 OF 2					
SL	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REF DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	* D	AGENCY P W V			REMARKS


- NOTES FOR INSPECTOR - TPIA**
- 1. TPIA TO CHECK THE LATEST VERSION OF STANDARDS/DRAWINGS /TOLERANCES ETC TO BE MENTIONED IN QUALITY PLAN/DRAWING. THIS QP SHOULD BE READ ALONG WITH BHEL SPEC, BHEL DRAWINGS / APPROVED DRAWINGS, DATA SHEET, BOM AND PO.
  - 2. ONLY LEVEL II & ABOVE QUALIFIED PERSON IN RESPECTIVE NDE TO VERIFY OR WITNESS THE NDT TEST REPORT/RESULTS
  - 3. INSPECTOR TO ENSURE THAT DOCUMENTS (QUALITY PLAN, DRAWINGS, DATA SHEET, PURCHASE SPECIFICATIONS, ETC) ARE AVAILABLE AS PER PURCHASE ORDER BEFORE STARTING THE INSPECTION.
  - 4. TPIA TO REVIEW ONLY THE ORIGINAL TEST CERTIFICATES ISSUED BY THIRD PARTY LABORATORIES OR SUPPLIERS.
  - 5. INSPECTION REPORTS SHALL BE SUBMITTED WITH A REMARK THAT ' COMPARED WITH ORIGINAL TEST CERTIFICATE. REVIEWED, VERIFIED AND FOUND IN ORDER '. TPIA TO ENSURE THE SAME.
  - 6. INSPECTOR TO ENSURE USE OF VALID AND CALIBRATED MEASURING INSTRUMENTS AND EQUIPMENT.
  - 7. TPIA SHALL ENSURE THAT MATERIAL TEST CERTIFICATE & TRACEABILITY RECORDS ARE AVAILABLE FOR USE OF CORRECT MATERIAL
  - 8. QUALIFICATION OF EQUIPMENT, PROCESS & PERSONNEL FOR SPECIAL PROCESSES LIKE WELDING, BRAZING, PAINTING & METAL COATING ETC.
  - 9. TPIA TO ENDORSE ON ALL CERTIFICATES WITH COMMENTS (WITNESSED OR VERIFIED) AS PER QUALITY PLAN
  - 10. TPIA SHALL ENSURE THAT LOG SHEETS CONTAIN ACTUAL MEASURED VALUES INSTEAD OF SAYING OK/NOT OK.
  - 11. COMPLETE INSPECTION AND TEST DOCUMENTATION WHICHEVER IS IDENTIFIED WITH (V) UNDER COLUMN D OF APPROVED QULAIY PLAN SHALL BE ENCLOSED WITH THE INSPECTION REPORT. ALL TEST CERTIFICATES/ REPORTS REVIEWED AND CERTIFIED BY BHEL/TPI SHALL BE SUBMITTED TO BHEL AS DOCUMENTATION PACKAGE
  - 12. ORIGINAL COPIES OF ALL INSPECTION AND TEST DOCUMENTS AUTHENTICATED BY TPIA SHALL BE SUBMITTED.

- GENERAL NOTES**
- BHEL RESERVES THE RIGHT FOR CONDUCTING REPEAT TEST, IF REQUIRED.
  - BHEL APPROVED INSPECTION ENGINEERS TO BE DEPLOYED FOR INSPECTION.
  - DRAWING / DATA SHEET SHALL PREVAIL OVER QUALITY PLAN IN CASE OF ANY CONTRADICTION BETWEEN QUALITY PLAN AND DRAWING / DATA SHEET.
  - ALL TEST REPORTS SHALL BE PROVIDED AS PER PRESCRIBED FORMATS IN BHEL SPEC.
  - ANY OTHER TESTS/ CHECKS INDICATED IN SPECIFICATION, P.O., OR DRAWING & ANY ADDITIONAL CHECKS ENVISAGED BY BHEL/TPI TO ENSURE WORKMANSHIP, FINISH, AESTHETICS, ETC. SHALL ALSO BE CONDUCTED AND WITNESSED/VERIFIED BY BHEL /TPI / CUSTOMER AS REQUIRED

MTC – MILL TEST CERTIFICATE  
TC – TEST CERTIFICATE  
IR – INSPECTION REPORT  
COC – CERTIFICATE OF CONFORMITY  
TPIA – THIRD PARTY INSPECTION AGENCY APPOINTED BY BHEL.  
PO – PURCHASE ORDER  
MPS – MANUFACTURING PROCESS SHEET  
HTP - HEAT TREATMENT PROCEDURE

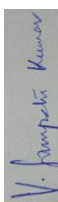


WPS- WELDING PROCESS SPECIFICATION  
PQR- PROCESS QUALIFICATION RECORD  
WQR- WELDER’S QUALIFICATION RECORD  
RP - REPAIR PROCEDURE  
SP – STORAGE PROCEDURE OF WELDING CONSUMABLE  
FCR – FURNACE CALIBRATION RECORD/REPORT  
ICR – MEASURING INSTRUMENT CALIBRATION RECORD/REPORT  
NDE - NON DESTRUCTIVE EXAMINATION

VENDOR TO SUBMIT DRAWING ANDTECH.DATASHEET FFOR BHEL APPROVAL. LEGEND: P: - PERFORM, W: - WITNESS , V: - VERFICATION, INDICATING 1:- BHEL / BHEL NOMMNATED INSPECTION AGENCY, 2:- VENDOR / SUB VENDOR AS APPROPRIATE AGAINST EACH COMPONENT / CHARACTERISTICS UNDER THE COLUMNS P, W & V. * D: RECORDS IDENTIFIED WITH TICK (✓) SHALL BE ESSENTIALLY INCLUDED IN QA DOCUMENTATION.	PREPARED BY:  ALOK BEHERA MGR / QA	REVIEWED BY: 	APPROVED BY:  T MUNIRAGHAVULU AGM/QA
Format no. : HYQA/QP/VSQP Rev.02			


	MANUFACTURER'S NAME & ADDRESS: <b>BHARAT HEAVY ELECTRICALS LTD. HYDERABAD</b>	MANUFACTURING QUALITY PLAN						PROJECT: 2x800 MW NTPC Singrauli Stage-III EPC Pkg PACKAGE: TG & AUX CONTRACT NO: CS-1150-001R-2-FC-NOA-7407 MAIN SUPPLIER: HPEP, BHEL HYDERABAD BHEL SALE ORDER NO: MPA 1093 BHEL WO NO: W-1032275800, W-1032275900, W-1032276000, W-1032276100, W-1032276200, W-1032276300, W-1032276400, W-1032276500, W-1032276600, W-1032276700, W-1032276800, W-1032276900					
		ITEM: <b>TUBE SHEET FORGING</b>		Qp No: 1150-001-QVM-Q-184 A Rev. No.: 01 DATE: 23.08.2024 PAGE : Page B.1 of 3									
		BHEL SPEC: HE51155, REV 10											
		SUPPLIER : AS PER NTPC APPROVED VENDOR LIST FOR LARA PROJECT											

SL NO	COMPONENT & OPERATION	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM 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.	D*	** 10.			11.

1.0 AT SUPPLIERSWORKS														
1.1	TUBE SHEET FORGING	CHEM. COMPOSITION	MAJOR	CHEM.	AS PER SPN.		MATERIAL GRADE AS PER NTPC APPROVED GA DRAWING / BHEL SPEC		SUPPLIERS TC	✓		V	V	RAW MATERIALS SHALL BE SOURCED FROM NTPC APPROVED VENDORS
1.2		REVIEW OF HEAT TREATMENT CHART	MAJOR	REVIEW	100%		MATERIAL GRADE AS PER NTPC APPROVED GA DRAWING / BHEL SPEC		HT CHART	✓		V	V	
1.3		MECH. PROPERTIES	MAJOR	MECH.	ASPER SPN.		MATERIAL GRADE AS PER NTPC APPROVED GA DRAWING / BHEL SPEC		SUPPLIERS TC	✓	P	W	V	
1.4		UT EXAM. OF FORGING AFTER ROUGH MACHINING	MAJOR	NDE	100%		SA 388	HE71044	SUPPLIERS TC	✓	P	W	W	
1.5		MT OF THE SURFACE TO BE OVER LAYED	MAJOR	NDE	100%		ASME SEC.V ART.	ASME SEC.VI II DIV.I APPX.6	SUPPLIERS TC	✓	P	W	W	
1.6		DIM. CONFORMITY,VISUAL	MAJOR	MEASURT. VISUAL	100%		BHEL DRG.	BHEL DRG.	SUPPLIERS TC	✓	P	W	W	
1.7		VERIFICATION OF TCS, IDENTIFICATION OF TUBE SHEET FORGING AS PER SPECN. & QP	MAJOR	VISUAL	100%		BHEL SPEC & QP	BHEL SPEC & QP	SUPPLIERS TC	✓		V	V	REFER NOTE 2
1.8		VERIFICATION OF TCS OF TEST COUPON AS PER SPECN.	MAJOR	REVIEW	100%		BHEL SPEC & QP	BHEL SPEC & QP	SUPPLIERS TC	✓		W	W	VERIFICATION @ BHEL HYDERBAD

 <b>V.SAMPATH KUMAR</b> Sr. MGR/ QA	 <b>T</b> MUNIRAGHAVULU AGM/QA	DOC.NO 1150-001-QVM-Q-184 A REV 01		ITEM CATEGORY: CAT I			
							
		FOR NTPC USE					
MAIN SUPPLIER		REVIEWED BY		APPROVED BY		APPROVAL SEAL	
SIGNATURE							



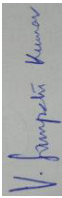


	MANUFACTURER'S NAME & ADDRESS: <b>BHARAT HEAVY ELECTRICALS LTD. HYDERABAD</b>	MANUFACTURING QUALITY PLAN										PROJECT: 2x800 MW NTPC Singrauli Stage-III EPC Pkg PACKAGE: TG & AUX CONTRACT NO: CS-1150-001R-2-FC-NOA-7407 MAIN SUPPLIER: HPEP, BHEL HYDERABAD BHEL SALE ORDER NO: MPA 1093 BHEL WO NO: W-1032275800, W-1032275900, W-1032276000, W-1032276100, W-1032276200, W-1032276300, W-1032276400, W-1032276500, W-1032276600, W-1032276700, W-1032276800, W-1032276900									
		ITEM: <b>TUBE SHEET FORGING</b>		Qp No: 1150-001-QVM-Q-184 A Rev. No.: 01 DATE: 23.08.2024 PAGE : Page B.2 of 3																	

SL NO	COMPONENT & OPERATION	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM 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.	D*	** 10.			11.
1.9		PRESERVATION, PACKING ,MARKING & IDENTIFICATION OF TUBE SHEET FORGING	MAJOR	VISUAL	100%		P.O., BHEL DRG. & SPN.		SUPPLIERS TC			V	V	
2.0	AT BHEL													
2.1	VERIFICATION & CORRELATION OF TUBE SHEET		MAJOR	VISUAL	100%		PO, SPEC. & QP	PO, SPEC. & QP	INSP. RECORD	✓	P	V	V	


Test coupon as per clause 1.8 shall be W/V for BHEL based on the approval condition of the sub vendor. Specimen shall be drawn as per BHEL spec and applicable material standard. Accordingly, MSTP shall be furnished to forging vendor by BHEL.

NOTES:

- 1) FORGING SHALL BE FREE FROM CRACKS, FLAKES SEEMS, NON METALIC INCLUSIONS & OTHER VISUAL DEFECTS.
- 2) VALID IBR TC FOR HP HEATER IN SPECIFIED FORMAT SHALL BE PROVIDED AS PER IBR 1950 REG. MATERIAL OF CONSUTRCTION SHALL BE AS PER NTPC APPROVED GA DRAWING OF EQUIPMENT.
- 3) IN CASE OF DIFFERING/CONFLICTING REQUIREMENTS, ANOMALIES, ANY DRAWING/SPECN SHALL PREVAIL OVER QUALITY PLAN
- 4) THIS QP IS APPLICABLE ONLY FOR NTPC APPROVED VENDORS AS PER LOA APPROVED VENDOR LIST.
- 5) THIS QP IS APPLICABLE FOR THE MAIN AS WELL AS SUBSEQUENT SPARE SUPPLIES.
- 6) FOR IMPORTED VENDORS, BHEL & NTPC WITNESS SHALL BE CONSIDERED VERIFICATION
- 7) IN CASE OF SUPPLIES FROM BHEL - CFFP, HARIDWAR, THERE IS NO SPECIFIC INSPECTION OF BHEL – HYDERABAD /TPIA ENVISAGED AT CFFP WORKS.
- 8) THIS QP IS ALSO APPLICABLE FOR OTHER VENDORS APPROVED BY NTPC DURING DETAILED ENGINEERING
- 9) APPROVED VENDOR SHALL BE AS PER NTPC APPROVED VENDOR LIST OF LARA PROJECT

 <b>V.SAMPATH KUMAR</b> Sr. MGR/ QA	 <b>T</b> MUNIRAGHAVULU AGM/QA			DOC.NO 1150-001-QVM-Q-184 A REV 01		ITEM CATEGORY: CAT I					
		MAIN SUPPLIER		FOR NTPC USE		REVIEWED BY		APPROVED BY		APPROVAL SEAL	
SIGNATURE											

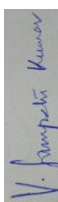




	MANUFACTURER'S NAME & ADDRESS: <b>BHARAT HEAVY ELECTRICALS LTD. HYDERABAD</b>	MANUFACTURING QUALITY PLAN										PROJECT: 2x800 MW NTPC Singrauli Stage-III EPC Pkg <i>Navoj Pandey</i> PACKAGE: TG & AUX CONTRACT NO: CS-1150-001R-2-FC-NOA-7407 MAIN SUPPLIER: HPEP, BHEL HYDERABAD BHEL SALE ORDER NO: MPA 1093 BHEL WO NO: W-1032275800, W-1032275900, W-1032276000, W-1032276100, W-1032276200, W-1032276300, W-1032276400, W-1032276500, W-1032276600, W-1032276700, W-1032276800, W-1032276900									
		ITEM: <b>TUBE SHEET FORGING</b>					Qp No: 1150-001-QVM-Q-184 A Rev. No.: <b>01</b> DATE: <b>23.08.2024</b> PAGE : Page B.3 of 3														
					<b>BHEL SPEC: HE51155, REV 10</b>																
					<b>SUPPLIER : AS PER NTPC APPROVED VENDOR LIST FOR LARA PROJECT</b>																

SL NO	COMPONENT & OPERATION	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK		REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD		AGENCY			REMARKS
					M	C/N			9.	D*	M	C	N	
1.	2.	3.	4.	5.	6		7	8	9.	D*	** 10.			11.

GENERAL LEGENDS

NDE	NON DESTRUCTIVE EXAMINATION	ASSLY	ASSEMBLY	CHEM	CHEMICAL
UT	ULTRASONIC TEST	QC	QUALITY CONTROL	MECH	MECHANICAL
PT	DYE PENETRANT TEST	TP/A	THIRD PARTY INSPECTION AGENCY	TC	TEST CERTIFICATES
MT/MPI	MAGENTIC PARTICLE INSPECTION	WPS	WELDING PROCEDURE SPECIFICATION	VERFN	VERIFICATION
RT	RADIOGRAPHY TEST	WQR	WELDER QUALIFICATION RECORD	IGC	INTER GRANULAR CORROSSION
MEASRT	MEASUREMENT	PQR	PROCEDURE QUALIFICATION RECORD	HT	HEAT TREATMENT
DIMN	DIMENSION	IR	INSPECTION REPORT	QA	QUALITY ASSURANCE
COC	CERTIFICATE OF COMPLIANCE	DRG /DS	DRAWING /DATA SHEET	PO	PURCHASE ORDER

 <b>V.SAMPATH KUMAR</b> Sr. MGR/ QA	 <b>T</b> MUNIRAGHAVULU AGM/QA			DOC.NO 1150-001-QVM-Q-184 A REV <b>01</b>		ITEM CATEGORY: CAT I	
MAIN SUPPLIER		FOR NTPC USE		REVIEWED BY		APPROVED BY	
SIGNATURE						APPROVAL SEAL	