

		BHARAT HEAVY ELECTRICALS LIMITED [A Government of India Undertaking] Ramachandrapuram, Hyderabad, 502032, A.P. India Phone 040-23184526, 23182322 FAX:040-23021910, 1954			भारत हेवी इलेक्ट्रिकल्स लिमिटेड (भारत सरकार का उपक्रम) रामचन्द्रपुरम, हैदराबाद, 502032 आंध्र प्रदेश, भारत			RFQ NO :		PURCHASE DEPARTMENT ENQUIRY क्रय विभाग जांच (ई मेल : tenderbox@bhelhyd.co.in)		SHEET:1 OF :1	
HY17001 C REV.NO.0		Phone 091-40-23184526 091-40-23182322			FAX : 091-40-23021910 091-40-23021954			PURCHASE DEPARTMENT					
		GSTIN:			Enq/Collective No :D3A1S90091		Enq.Dt. : 17.07.2019		No.Of Items :2		DUE Dt. OF QUOTN. : 07.08.2019		
Office Copy					Please submit your lowest quotation in sealed cover superscribed with Enquiry No./Collective No.(RFQ No) and due date subject to our terms and conditions attached ,for the materials mentioned below.Your offer has to reach us onor before due date by 11.00 Hours (IST) and will be opened at 14.00 Hours.(IST).If our Enquiry No./Collective No.(RFQ No) and tender due date are not super scribed on the tender cover , your offer shall be summarily rejected. Incomplete offers and late offers will not be considered.								
SL NO	Purchase Req.no	item no	Material Code, HSN No.	Drq no - Ver , Rev & Spec - Ver , Rev,Spec-Var	Description			Unit	Qty	Delivery Date	Schedule Qty		
1	8000090207	10	HE9751533082 8018	NA-,,HE51533,,08	WLD TITANIUM TUBE DIA 22 X 1.245 X 4100			EA	906.000	17.12.2019	906.000		
2	8000090091	20	HE9751533090 81089090	NA-,,HE51533,,09	WLD TITANIUM TUBE DIA 23X1.245X5000			EA	4,600.000	17.12.2019	4,600.000		
Special Remarks													
CheckList of Quality Interventions: BHEL reserves the right to enforce any or all of the following checks during execution of the order. There is no additional cost to the vendor on account of these checks.													
								TEST CERTIFICATE REQD: Y GUARANTEE REQ : Y SAMPLE REQD : N BID TYPE : TWO PART			For and on-behalf of Bharat Heavy Electricals Limited. Ch.Karthik SPO/Pur(HE&F) Ph 040 2318 2202		

	CORPORATE STANDARD		AA 049 00 02		
			Rev. No. 02		
			PAGE 1 OF 4		
PRESERVATION, PACKING AND MARKING OF HEAT EXCHANGER TUBES					
1.0 SCOPE: This standard stipulates the requirements of preservation, packing and marking of ferrous and non ferrous heat exchanger tubes.					
2.0 PRESERVATION:					
2.1 End Caps/Guides: All the tubes shall be provided with plastic end caps of conical shape on both sides, in order to avoid ingress of water and other foreign matter and to serve as a guide for tube insertion through the support plates during assembly of the Heat exchangers. A typical figure of the plastic guide is shown in the fig 2 for guidance.					
2.2 Rust prevention: All carbon steel tubes shall be applied with suitable temporary rust preventive on the outer surface of the tubes and required quantity of rust inhibitive powder shall be inserted inside the tubes before end capping.					
3.0 PACKING:					
3.1 The tubes shall be wrapped with polythene sheet in order to avoid movements and rubbing and packed in wooden cases (as an alternate bubble sheet and thermocol also acceptable) with suitable cushioning materials. The bottom of the case shall be rigid to enable the tubes to maintain straightness. Special lifting tackles, including beams, wherever necessary shall be provided with each case to avoid damage during transit. The case shall be fastened with corner metal plates and nailed at all cleats. The reinforcing bolts shall be bound with band steel. A suitable amount of desiccant such as silica gel shall be placed in each packing box.					
3.2 Each package shall be of convenient weight for ease in handling. The weights shall not exceed 2000 kg (Gross) when tubes longer than 7000 mm are ordered.					
3.3 The recommended packing case design and the method of packing is illustrated in Fig. No.1 Any alternate method of packing shall be submitted to BHEL for approval.					
Revisions : Cl. 18.11.01 of MRC – NFCW+HE			APPROVED : INTERPLANT MATERIAL RATIONALIZATION COMMITTEE-MRC (NFCW+HE)		
Rev. No. 02	Amd.No.	Reaffirmed	Prepared	Issued	Dt. of 1st Issue
Dt: 15.02.2004	Dt :	Year :	HARDWAR	Corp. R&D	APRIL, 1985

**4.0 MARKING:****4.1** Each tube shall be stenciled with the following information:

- a) BHEL order number:
- b) BHEL Specification No.
- c) Melt/Heat No:
- d) Size of tube:
- e) Supplier 's mark

4.2 A metal label shall be securely attached to each packing case, punched with the following details :

- a) BHEL order number:
- b) BHEL Specification No.
- c) Consignment or Identification No.
- d) Size of the tubes and Total weight
- e) Supplier's Name

4.3 The packing case shall be marked with the following symbols in order to avoid damage during transit:

- a) A mark indicating UP-DOWN position of the case.
- b) A mark indicating that the case shall not be given any impact.
- c) A mark indicating that the case shall be kept free from contact with moisture.
- d) A mark showing the slinging position.

5.0 HANDLING AT PORT, SITE, SHOP, ETC., 9INCLUDING TRANSPORTATION):**5.1 Procedure:**

If the tube length is more than 7000 mm invariably beams are ordered by BHEL, two in numbers which are supplied with first consignment by the vendor.

On receipt of consignment at port, boxes and lifting beams shall be inspected. If boxes are found broken, inspection of tubes shall be carried out. Broken box shall be suitably repaired before sending to site. Boxes shall be inspected before loading on the truck/trailer at supplier's works. Repair shall be carried out if required.

Invariably lifting beam shall be used for handling of boxes.

Boxes shall be placed on the floor on supports (at least 300 mm above the floor). Distance between supports shall not be more than 500 mm. While handling /stacking, vertical direction as marked on the box shall be followed.

Boxes shall be stacked on each other in such a way that are upright, straight and not projecting outside the lower box. Normally not more than 3 boxes shall be kept on each other.



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5.2 Loading of boxes on trailers/trucks:

Preferably trailer shall be of flat floor and its length shall not less than the box. However, in case it is not feasible, following is recommended:

<u>Box length max. in metres</u>	<u>Floor length not less than in metres</u>
20	18.5
15	14
10	9.5
8	7.6

In case, the floor of trailer/truck is not flat, following procedure shall be adopted:

- Packers of suitable strength shall be placed on the floor such that when boxes are placed, the packer's bottom of the boxes is horizontal.
- Packers shall be placed such that at the driver end, the box projects maximum 300 mm from the support and on the opposite end, it is 300 mm less than end of the floor such that total projection from last support shall not be more than as specified above.
- Boxes shall be placed on each other as specified in clause 5.1. The each vertical row shall be secured tight using ropes /wires and tightened with each other and secured with the trailer floor suitably. The gap between the tightening rope/wire shall not be more than 2 metres.
- Out of two lifting beams, one number shall be sent with first consignment and the second lifting beam with the last consignment.
- Boxes shall be covered with tarpaulin and tightened suitably so as to prevent seepage of water.

5.3 Receipt at site:

The boxes shall be again inspected at the site for any breakage, if found shall be reported back to concerned unit.

The boxes from trailer/truck shall be lifted using lifting beam only supplied with the first and last consignment and stacked in the store in line with clause 5.1.

The boxes shall be covered with tarpaulin to prevent water seeping in the boxes.

6.0 REFERRED STANDARDS (LATEST PUBLICATIONS INCLUDING AMENDMENTS):

NIL

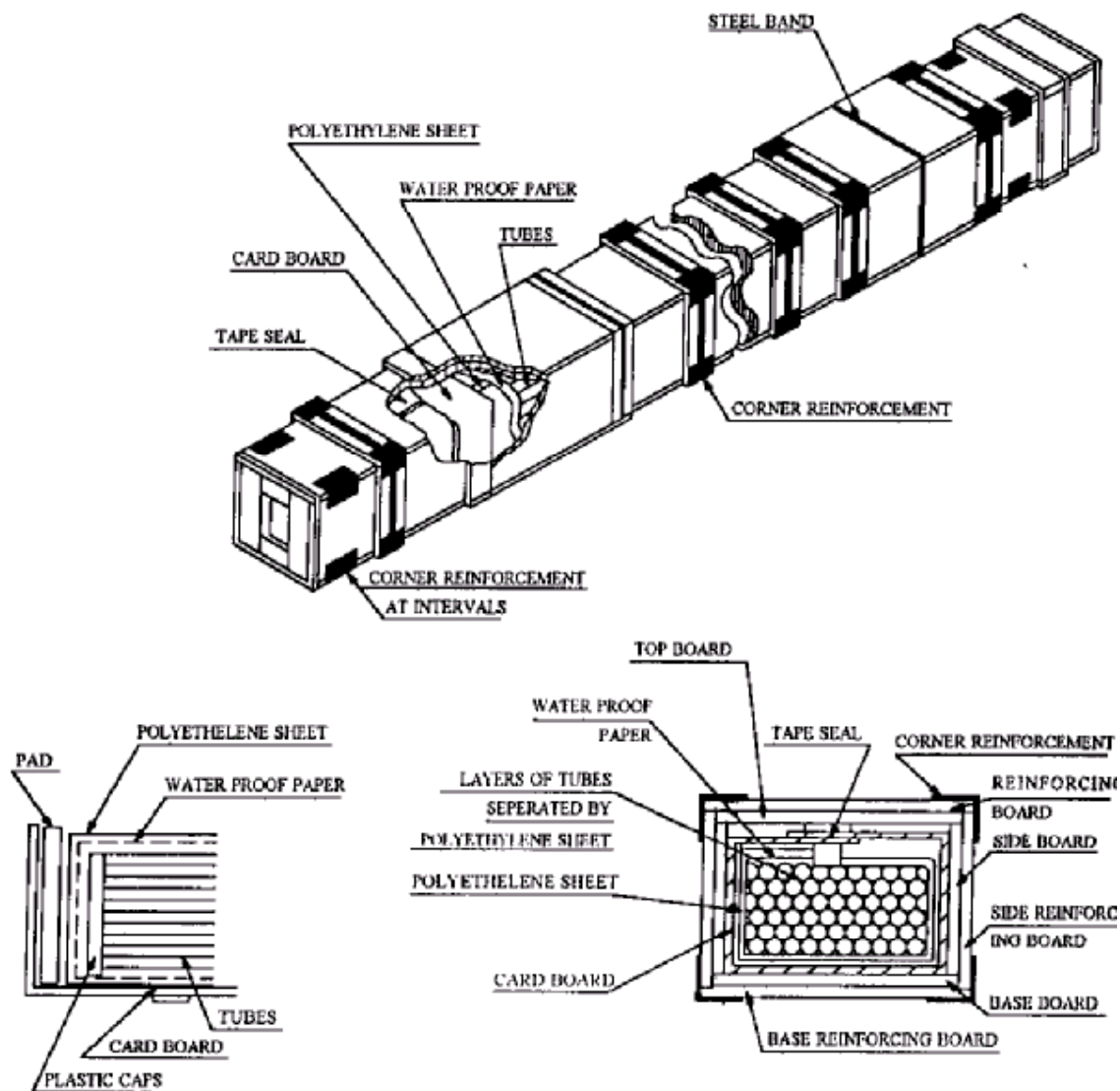


FIG. 1 TYPICAL PACKING OF HEAT EXCHANGER TUBES

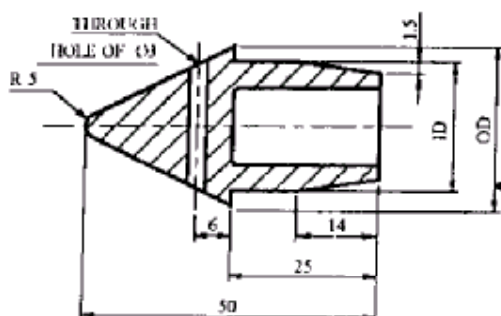


FIG. 2 TYPICAL DRAWING OF CAP FOR TUBE END

(All dimensions are in mm)

Guidelines for Indian Agents of Foreign Suppliers

- 1.0 There shall be compulsory registration of agents for all Global (Open) Tender and Limited Tender. An agent who is not registered with BHEL shall apply for registration in the registration form in line with SEARP.
- 1.1 Registered agents will file an authenticated Photostat copy duly attested by a Notary Public/Original certificate of the Principal confirming the agency agreement and giving the status being enjoyed by the agent and the commission/ remuneration/ salary/ retainership being paid by the principal to the agent before the placement of order by BHEL.
- 1.2 Wherever the Indian representatives have communicated on behalf of their principals and the foreign parties have stated that they are not paying any commission to the Indian agents, and the Indian representative is working on the basis of salary or as retainer, a written declaration to this effect should be submitted by the party (i.e. Principal) before finalizing the order.
- 2.0 Disclosure of particulars of agents/ representatives in India, if any.**
- 2.1 Tenderers of Foreign nationality shall furnish the following details in their offers:
 - 2.1.1 The Bidder(s)/ Contractor(s) of foreign origin shall disclose the name and address of the agents/ representatives in India if any and the extent of authorization and authority given to commit the Principals. In case the agent/ representative be a foreign Company, it shall be confirmed whether it is existing Company and details of the same shall be furnished.
 - 2.1.2 The amount of commission/ remuneration included in the quoted price(s) for such agents/ representatives in India.
 - 2.1.3 Confirmation of the Tenderer that the commission/ remuneration, if any, payable to his agents/ representatives in India, may be paid by BHEL in Indian Rupees only.
- 2.2 Tenderers of Indian Nationality shall furnish the following details in their offers:
 - 2.2.1 The Bidder(s)/ Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any, indicating their nationality as well as their status, i.e. whether manufacturer or agents of manufacturer holding the Letter of Authority of the Principal specifically authorizing the agent to make an offer in India in response to tender either directly or through the agents/ representatives.
 - 2.2.2 The amount of commission/ remuneration included in the price (s) quoted by the Tenderer for himself.
 - 2.2.3 Confirmation of the foreign principals of the Tenderer that the commission/ remuneration, if any, reserved for the Tenderer in the quoted price(s), may be paid by BHEL in India in equivalent Indian Rupees on satisfactory completion of the Project or supplies of Stores and Spares in case of operation items.
- 2.3 In either case, in the event of contract materializing, the terms of payment will provide for payment of the commission/ remuneration, if any payable to the agents/ representatives in India in Indian Rupees on expiry of 90 days after the discharge of the obligations under the contract.
- 2.4 Failure to furnish correct and detailed information as called for in paragraph 2.0 above will render the concerned tender liable to rejection or in the event of a contract materializing, the same liable to termination by BHEL. Besides this there would be a penalty of banning business dealings with BHEL or damage or payment of a named sum.

Annexure-B

This format is applicable only to Indian Suppliers/ Agents supplying indigenous portion of Foreign Purchases.

* In all other cases, extant guidelines of SEARP, 2010 are to be followed.

SEARP (SRF) Clause No	Detail
	Name & address of the firm
1.0	Products/ Systems / Services being considered for
2.0	General Information
2.2	Name of Chief Executive
2.3	Details of authorized signatory
3.0	Ownership Information
3.1	Type of firm
3.2	Nature of Business • Attach authorization letter and agency agreement from Principal (from whom capital equipment is procured) • Attach copy of declaration from Foreign Principal for total guarantee/ warranty of indigenous supplies
3.3	Year of establishment
3.4	Year of commencement of business
4.0	Registration particulars
4.1	Permanent Account No.
4.2 / 4.3	Sales Tax / TIN no
4.6	Service tax no. (in case of E&C)
5.0	Organisational strength
6.0	Other particulars
6.1	If the company is already registered with other units
6.2	Directors/ Partners, if related to any BHEL Employee
6.9	If any Ex BHEL Personnel employed by the Company
6.12	Details of pending legal issues with BHEL
6.13	Bank Account information
9.0	Financial information
9.6	Sales/ Turnover details of last 3 years (or from the date of incorporation whichever is less)



Bharat Heavy Electricals Limited
Ramachandrapuram: Hyderabad – 502032
Purchase Department
Product Division: Heat Exchangers & Fabrication
Ph. No. 040 2318 2202/2103

ITB Annexure-I

Enquiry No. D3A1S90091 DATED 17.07.2019

Following major activity timelines shall be considered for Indigenous/Foreign purchases

S.NO	Activity	Agency	Timeline
1a	Submission of QP (R00)	Vendor	01 Week from PO
1b	Approval/Review of QP	BHEL/Customer	01 week from the date of submission
1c	Submission of QP (R01)	Vendor	01 Week from the date of receipt of comment
1d	Approval/Review of QP	BHEL/Customer	01 week from the date of resubmission
2	Attending Inspection call from intimation	BHEL/Customer	10 days from inspection call date
3	Dispatch Instructions	BHEL/Customer	01 week from inspection report

** In case of QP approval continued beyond Revision-01 by end customer/BHEL, vendor need to revise & submit the documents within 03 days. Delay more than 03days will be in seller's account.*

(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:

1. 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, validity or execution of the contract; or, the respective rights and liabilities of the parties; or, in relation to interpretation of any provision of the contract; or, in any manner touching upon the contract, then, either party may, by a notice in writing to the other party refer such dispute or difference to the sole arbitration of an arbitrator appointed by head of the BHEL unit issuing the contract. 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 at Hyderabad.

The cost of arbitration shall be borne as per the award of the Arbitrator.

Subject to the arbitration in terms of clause 55, 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.

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

In the event of any dispute or difference relating to the interpretation and application of the provisions of the contract, such dispute or difference shall be referred by either party for arbitration to the sole arbitrator in the Department of Public Enterprises to be

nominated by the secretary to the Government of India in-charge of the Department of Public Enterprises. The Arbitration and Conciliation Act, 1996 shall not be applicable to arbitration under this clause. The award of the arbitrator shall be binding upon the parties to the dispute, provided, however, any party aggrieved by such award may make further reference for setting aside or revision of the award to the Law Secretary, Department of Legal Affairs, Ministry of Law and justice, Government of India. Upon such reference the dispute shall be decided by the Law secretary or the special Secretary or Additional secretary when so authorized by the Law secretary, whose decision shall bind the parties hereto finally and conclusively. The parties to the dispute will share equally the cost of arbitration as intimated by the arbitrator.

2. INTEREST CLAUSE:

In order to bring uniformity in all the contracts / agreements entered between BHEL and its contractors / vendors / suppliers / service providers etc., it is hereby advised to incorporate the following clause in all tenders and agreements.

“No interest shall be payable by BHEL on earnest money or security deposit or any money due to the contractor by BHEL.”

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:

Annexure - III

Proforma for self-certification by Supplier for minimum local content on their letter head for order value less than Rs 10 Crore

"We _____ (Name of Manufacturer) undertake that we meet the mandatory minimum Local Content (LC) requirement i.e. _____ (to be filled as notified in the policy) for claiming Purchase Preference linked with Local Contents under the Govt. policy against tender no. _____."

Certificate by Chartered Accountant on letter head

This is to Certify that M/s.....,
(hereinafter referred to as 'company') having its registered office at
Is registered under MSMED Act 2006, (Entrepreneur Memorandum No (Part-II).....
Dtd:....., Category:.....(Micro/Small). (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as on
date..... as per MSMED Act 2006 is as follows:

1. **For Manufacturing Enterprises:** Investment in plant and machinery (i.e. original cost excluding land and building and the items specified by the Ministry of Small Scale Industries vide its notification No.S.O.1722 (E) dated October 5, 2006:
Rs.....Lacs
2. **For Service Enterprises:** Investment in equipment (original cost excluding land building and furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED Act, 2006:
Rs.....Lacs

(Strike off whichever is not applicable)

The above investment of Rs.....Lacs is within permissible limit of Rs.....Lacs forMicro / Small (Strike off which is not applicable) Category under MSMED Act 2006.

Or

The company has been graduated from its original category (Micro / Small) (Strike off which is not applicable) and the date of graduation of such enterprise from its original category is(dd/mm/yyyy) which is within the period of 3 years from the date of graduation of such enterprise from its original category as notified vide S.O.No. 3322 (E) dated 01.11.2013 published in the gazette notification dated 04.11.2013 by Ministry of MSME.

Date:

(Signature)

Name –

Membership number-

Seal of Chartered Accountant

Enquiry No: D3A1S90091

Dated: 17.07.2019

PRICING SHEET

S. No.	Material Code	Description	OD (mm)	Leg Length (mm)	Thickne ss (mm)	Total No. of Tubes	Currency (Rs., US\$, EURO etc)	Rate / tube	
								In Figures	In Words
1	HE9751533090	Welded Titanium Tubes	23	5000	1.245	4600			
2	HE9751533082	Welded Titanium Tubes	22	4100	1.245	906			
		NOTE: 1) This format without Price shall be sent along with Technical Bid. 2) Indian bidders to quote Rate / Set on FOR BHEL basis. 3) Foreign bidders to quote Rate / Set on CIP Mumbai basis. 4) In case of any discrepancy in value, the prices quoted in words shall be considered for evaluation and establishing L ₁ Status.							
Vendor Signature:									
	Date:								
	Seal:								

SPECIAL CONTRACT CONDITIONS (SCC)
FOR ENQUIRY NO. D3A1S90091 Dated 17.07.2019

S. NO.	TERMS & CONDITIONS	BHEL REQUIREMENT	VENDOR 'S CONFIRMATION / REPLY
A	NAME & ADDRESS	Name, address, e-mail id, contact no.etc. of entity on whom order to be released in case of L ₁ .	
		The offer should be either from the manufacturer directly or from the authorised agency. In case of BHEL receiving offer from both, then offer from manufacturer will be considered and offer from agent shall be summarily rejected. <u>Note:</u> BHEL shall deal directly with all Indian manufacturers.	
I	TECHNICAL TERMS		
1	DESCRIPTION, QUANTITY & SIZE	As per Enquiry	
2	SPECIFICATION	HE51533 Rev:00	
3	MATERIAL	Material shall conform to SB338 Gr2 of ASME Sec.II Part'B' Edition 2017	
4	QUALITY PLAN	HY/HE/10001/TITANIUM TUBES ,R04	
5	PACKING & MARKING	As per BHEL Standard AA0490002 Rev:02. Foreign vendors shall provide sea-worthy packing.	
6	INSPECTION & CERTIFICATION	<u>Indian Vendors:</u> By BHEL TPIA as per standard quality Plan. <u>Note:</u> Vendors are advised to raise Inspection Call in CQIR system (www.cqir.bhel.in) with Purchasing Unit as 'HPEP' at least 3 working days prior to the proposed date of inspection.	
		<u>Foreign Vendors:</u> By Lloyd's / TUV / BV / DNV (Overseas Inspection Agency) as per standard quality Plan. (Note: The above Inspection & Certification agencies shall be authorized / recognized / competent authority under Indian Boiler Regulations (IBR)1950 in the respective supplier's country).	
II	COMMERCIAL TERMS		
1	TERMS OF DELIVERY	FOR BHEL for Indian Vendors. CIP Mumbai basis for Foreign Vendors.	
1A	FOR BHEL price / delivery implies (for Indian Suppliers)	a) Freight & Insurance are in vendor's scope and price quoted is inclusive of F & I.	
		b) 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.	
1B	CIP Mumbai price / delivery implies (for Foreign Suppliers)	a) As per Incoterm.	
		b) IGM date in bill of entry issued by customs shall be delivery date for the purpose of penalty.	
		c) Exchange rate for Foreign Currency to INR shall be as per SBI Exchange rate (TT Seeling rate) as on Technical Bid Opening date. 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.	
2	PACKING & FORWARDING CHARGES	P & F charges shall be inclusive in price.	
3	FRIEGHT & INSURANCE	By supplier up to delivery point	
4	Third Party Inspection Charges	<u>Indian Vendors:</u> By BHEL and vendor's offer will be loaded by appropriate percentage for evaluation of offers. Currently it is 0.26%.	

SPECIAL CONTRACT CONDITIONS (SCC)
FOR ENQUIRY NO. D3A1S90091 Dated 17.07.2019

S. NO.	TERMS & CONDITIONS	BHEL REQUIREMENT	VENDOR 'S CONFIRMATION / REPLY
		Foreign Vendors: Shall be inclusive in quoted price.	
5	DELIVERY	5 months from PO date. Note: a) For delivery period longer than those indicated above, shall be loaded by 0.5% per week during evaluation of offer. b) Delivery is critical for evaluation of offer. Offers with delivery period beyond one month grace period against the respective schedules may be liable for rejection.	(i) ____ Months
6	MSE CLAUSE	"MSE suppliers can avail the intended benefits only if they submit along with the offer, attested copies of either EM II certificate having deemed validity (Five years from the date of issue of acknowledgement in EM-II) or valid NSIC certificate or EM II certificate along with attested copy of a CA certificate (Format enclosed as per Annexure – III where deemed validity of EM-II certificate of five years has expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining the deemed validity will be the date of bid opening (Part-I). Non submission of such documents will lead to consideration of their bid at par with other bidders. No benefit shall be applicable for this enquiry if any deficiency in the above required documents are not submitted before price bid opening. If the tender is to be submitted through E-Procurement portal, then the above required documents are to be uploaded on the portal. Documents should be notarized or attested by a Gazetted Officer."	
7	TWO-PART BID	Your offer shall be submitted in two part bid system Part-1(i.e., Techno-Commercial bid&Pre-qualification bid) and Part-2(price bid) separately in two sealed covers indicating our enquiry No. D3A1S90091 date:17.07.2019 and tender due date clearly. Note: Pre-Qualification Criteria is part of techno-commercial bid. BHEL prefers to evaluate Pre-Qualification Criteria of vendors first and rest of the techno-commercial bid subsequently. However, at its discretion BHEL may evaluate both Technical and Pre-Qualification Criteria simultaneously.	
7A	TECHNO-COMMERCIAL BID	Techno-Commercial Bid shall essentially consist of: (i) Duly filled in signed copy of Special Contract Conditions (SCC). (ii) Duly filled in signed copy of Instructions to Bidder (ITB). (iii) Duly filled in Pre-Qualification Criteria (PQC) (iv) Details as per Annexure-I,III,IV (v) Duly filled in Annexure-II (Non-Disclosure agreement) (vi) Documents /declarations in compliance with Annexure -A,B (if applicable). (vii) Signed copy of Priced Sheet without price. (viii) Filled in and signed Integrity Pact. All the above documents shall be duly authenticated by signature & official stamp on each page. Note: Bid shall be complete in all respects including all the documents / information required for techno-commercial evaluation. Incomplete offers shall be liable to rejection.	
7B	PRICE BID	Quoted price shall be on firm basis. Vendor shall quote prices strictly as per the pricing sheet enclosed.	

SPECIAL CONTRACT CONDITIONS (SCC)
FOR ENQUIRY NO. D3A1S90091 Dated 17.07.2019

S. NO.	TERMS & CONDITIONS	BHEL REQUIREMENT	VENDOR 'S CONFIRMATION / REPLY
8	REVERSE AUCTION	BHEL reserves the right to go for Reverse Auction (RA) (Guidelines as available on www.bhel.com) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. Bidders to give their acceptance with the offer for participation in RA. Non-acceptance to participate in RA may result in nonconsideration of their bids, in case BHEL decides to go for RA. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit 'Process compliance form' (to the designated service provider) as well as 'Online sealed bid' in the Reverse Auction. Non-submission of 'Process compliance form' or 'Online sealed bid' by the agreed bidder(s) will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com). The bidders have to necessarily submit online sealed bid less than or equal to their envelope sealed price bid already submitted to BHEL along with the offer. The envelope sealed price bid of successful L1 bidder in RA, if conducted, shall also be opened after RA and the order will be placed on lower of the two bids (RA closing price & envelope sealed price) thus obtained. The bidder having submitted this offer specifically agrees to this condition and undertakes to execute the contract on thus awarded rates. If it is found that L1 bidder has quoted higher in online sealed bid in comparison to envelope sealed bid for any item(s), the bidder will be issued a warning letter to this effect. However, if the same bidder again defaults on this count in any subsequent tender in the unit, it will be considered as fraud and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com).	
		Details of vendor's Representative participating in RA like Name, E-mail, Phone and Fax No.	
9	EVALUATION OF OFFERS	The offers will be evaluated on item wise L ₁ basis. Vendor shall quote Rate per tube basis for every item (details of tubes were mentioned in Pricing Sheet and also in enquiry copy).	
10	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.	

SPECIAL CONTRACT CONDITIONS (SCC)
FOR ENQUIRY NO. D3A1S90091 Dated 17.07.2019

S. NO.	TERMS & CONDITIONS	BHEL REQUIREMENT	VENDOR 'S CONFIRMATION / REPLY
11	GUIDELINES REGARDING DEALINGS WITH INDIAN AGENTS OF FOREIGN SUPPLIERS	It shall be incumbent on the Indian agent and the foreign principal to adhere to the relevant guidelines of Government of India, issued from time to time.	
		The Agency Agreement should specify the precise relationship between the foreign OEM / foreign principal and their Indian agent and their mutual interest in the business. All services to be rendered by agent/ associate, whether of general nature or in relation to the particular contract, must be clearly stated by the foreign supplier/ Indian agent. Any payment, which the agent or associate receives in India or abroad from the OEM, whether as commission or as a general retainer fee should be brought on record in the Agreement and be made explicit in order to ensure compliance to laws of the country.	
		Any agency commission to be paid by BHEL to the Indian agent shall be in Indian currency only.	
		Tax deduction at source is applicable to the agency commission paid to the Indian agent as per the prevailing rules.	
		In the absence of any agency agreement, BHEL shall not deal with any Indian agent (authorized representatives / associate / consultant, or by whatever name called) and shall deal directly with the foreign principal only for all correspondence and business purposes.	
		The "Guidelines for Indian Agents of Foreign Suppliers" enclosed at annexure – 'A' shall apply in all such cases.	
		The supply and execution of the Purchase Order (including indigenous supplies/ service) shall be in the scope of the OEM/ foreign principal. The OEM/ foreign principal should submit their offer inclusive of all indigenous supplies/ services and evaluation will be based on 'total cost to BHEL'. In case OEM/ foreign principal recommends placement of order(s) towards indigenous portion of supplies/ services on Indian supplier(s)/ agent on their behalf, the credentials/ capacity/ capability of the Indian supplier(s)/ agent to make the supplies/ services shall be checked by BHEL as per the extant guidelines, before opening of price bids. In this regard, details may be checked as per Annexure-B (copy enclosed). It will be the responsibility of the OEM/ foreign principal to get acquainted with the evaluation requirements of Indian supplier/ agent as per SEARP available on www.bhel.com.	
		As per directives of CENTRAL VIGILANCE COMMISSION, GOVERNMENT OF INDIA, one agent can not represent two or more suppliers or quote on their behalf in a particular tender. If so found at any stage, BHEL Hyderabad is likely to cancel Enquiries / POs to such suppliers. Further, such Indian Agent is likely to be de-listed (Black listed for business from BHEL).	

SPECIAL CONTRACT CONDITIONS (SCC)
FOR ENQUIRY NO. D3A1S90091 Dated 17.07.2019

S. NO.	TERMS & CONDITIONS	BHEL REQUIREMENT	VENDOR 'S CONFIRMATION / REPLY
12	INTEGRITY PACT (IP)	(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. 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. <u>Details of IEM for this tender is furnished below:</u> Name: Shri D.R.S Chaudhary, IAS (Retd.) Address: Flat No. L-202 & L-203 (1st Floor), Ansal Lake View Enclave, Shamla Hills, Bhopal- 462 013 (M.P.). E-mail: dilip.chaudhary@icloud.com Name: Mrs. Pravin Tripathi IA & AS (Retd) Address: D-243, Anupam Gardens, Lane IB, Neb Sarai, Sainik Farms, New Delhi-110068. E-mail: pravin.tripathi@gmail.com	
		(b) 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. 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.	
13	FINANCIAL STANDING	<u>Indian Bidders:</u> Vendor to submit annual Financial Turnover during the Past 3 Years along with copy of 3 years Audited Balance Sheet.	
		<u>Foreign Bidders:</u> Vendor to submit copy of latest D&B Report.	
14	EARNEST MONEY DEPOSIT (EMD)	EMD charges not applicable for quoting against this tender.	
15	TERMS & CONDITIONS	Vendor is requested to furnish all details of the offer in this format. 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 elsewhere shall be ignored.	

		BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD	
ADDENDA TO VENDOR STANDARD QUALITY PLAN			
ITME DESCRIPTION		WLD TITANIUM TUBE	
PO/PR NO :DATE		8000090091, 02.07.2019 8000090207, 15.06.2019	
BHEL SPEC/DRAWING:		HE51533 REV.00	
PROJECT :		1X18.5 MW GUJARAT HEAVY CHEMICALS LTD-	
APPLICABLE SVQP:		HY/HE/10001/TITANIUM TUBES ,R04	
PROJECT SPECIFIC REQUIREMENTS		1) 8000090091 WLD TITANIUM TUBE DIA 23X1.245X5000 SURFACE CONDENSER QAP CLAUSE : 3.2 : ULTRASONIC INSPECTION – NOT APPLICABLE QAP CLAUSE : 3.4 : HYDROSTATIC TEST – NOT APPLICABLE ALL OTHER REQUIREMENTS SHALL BE COMPLIED WITH AS PER QAP AND SPEC. 2) 8000090207 WLD TITANIUM TUBE DIA 22 X 1.245 X 4100 ST OIL COOLER QAP CLAUSE : 3.2 : ULTRASONIC INSPECTION – NOT APPLICABLE QAP CLAUSE : 3.4 : HYDROSTATIC TEST – APPLICABLE ALL OTHER REQUIREMENTS SHALL BE COMPLIED WITH AS PER QAP AND SPEC.	
QA REMARK :	 ALOK BEHERA SR.ENGR/ QA	13.7.2019	STANDRAD QAP TO BE FOLLOWED ALONG WITH PROJECT SPECIFIC REQUIREMENT



**BHARAT HEAVY ELECTRICALS
LIMITED
R.C.PURAM, HYDERABAD**

STANDARD QUALITY PLAN FOR VENDOR ITEMS

ITEM: WELDED TITANIUM TUBES
BHEL SPEC: HE51533,REV-00

QP. NO: HY/HE/10001/TITANIUM TUBES

Rev. No. : 04

DATE: 19.04.2018

VALID UPTO: 18.04.2020

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Sl No	Component & Operations	Characteristics	Class	Type Of Check	Quantum Of Check	Ref Document	Acceptance Norms	Format Of Record	* D	Agency			Remarks
										P	W	V	
1.0	RAW MATERIALS & BOUGHT OUT ITEMS												
1.1	INSPECTION OF STRIP CHEMICAL COMPOSITION	CHEMICAL COMPOSITION	MAJOR	CHEMICAL	EACH HEAT	HE51533 , REV.00	HE51533 , REV.00	INSPECTION CERTIFICATE	✓	2		1	
2.0	IN PROCESS INSPECTION												
2.1	VISUAL INSPECTION FOR CLEANILINESS OF STRIP , IDENTIFICATION & CORELATION	VISUAL INSPECTION, TRACEBILITY	MAJOR	VISUAL	100 %	MFR STAD	MFR STD	INSPECTION REPORT	✓	2		1	
2.2	WELDING PARAMETERS AND WELDING	PROCESS	MAJOR	REVIEW,VI SUAL	100 %	MFR STD	MFR STD	LOG RECORD		2			
2.1	HEAT TREATMENT (ONLINE FURNACE)	HEAT TREATMENT CONDITION	MAJOR	HEAT TREATME NT	100%	HT REPORT	HT REPORT	HT REPORT	✓	2		1	NOTE-1
3.0	FINAL INSPECTION & TESTING												
3.1	EDDY CURRENT INSPECTION	INSPECTION OF INTERNAL DEFECTS	MAJOR	NDE	100%	HE51533 , REV.00	HE51533 , REV.00	INSPECTION CERTIFICATE	✓	2	1*		*10% - ONLINE OR 100%- OFFLINE
3.2	ULTRASONIC INSPECTION ("IF STIPULATED IN P.O")	INSPECTION OF INTERNAL DEFECTS	MAJOR	NDE	100%	HE51533 , REV.00	HE51533 , REV.00	INSPECTION CERTIFICATE	✓	2	1		10% BY BHEL, 100% BY VENDOR
3.3	PNEUMATIC TESTING UNDER WATER/PRESSURE DIFFERENTIAL METHOD	INSPECTION OF TUBE SOUNDNESS (LEAK TIGHTNESS)	MAJOR	BY AIR UNDER WATER.	100%	ASME SB 338	ANY EVIDENCE OF AIR LEAKAGE IS NOT ALLOWED	INSPECTION CERTIFICATE	✓	2	1		
3.4	HYDROSTATIC TEST ("IF STIPULATED IN P.O")	INSPECTION OF TUBE SOUNDNESS (LEAK TIGHTNESS)	MAJOR	HYDRO	100%	ASME SB 338	NO LEAKAGE	INSPECTION CERTIFICATE		2	1		

LEGEND:

P: - PERFORM, W: - WITNESS, V: - VERIFICATION,

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:

Alou Behrens

ALOK BEHERA
SR.ENGR/ QA

REVIEWED BY:

Revised

D S SATPUTE
AGM /QA

APPROVED BY:

Revised

D S SATPUTE
AGM /QA



**BHARAT HEAVY ELECTRICALS
LIMITED
R.C.PURAM, HYDERABAD**

STANDARD QUALITY PLAN FOR VENDOR ITEMS

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BHEL SPEC: HE51533,REV-00

QP. NO: HY/HE/10001/TITANIUM TUBES

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Sl No	Component & Operations	Characteristics	Class	Type Of Check	Quantum Of Check	Ref Document	Acceptance Norms	Format Of Record	* D	Agency			Remarks
										P	W	V	
3.5	INSPECTION OF TUBE OUTER DIAMETER AND OVALITY	INSPECTION OF TUBE OUTER DIAMETER AND OVALITY (MEASUREMENT WITH MICRO METER AND RING GAUGE ALONG THE LENGTH OF THE TUBE)	MAJOR	MEASRT	100%	DRAWING/P.O/BHEL SPECIFICATION	HE51533 , REV.00	INSPECTION REPORT	✓	2	1		
3.6	WALL THICKNESS INSPECTION	WALL THICKNESS INSPECTION	MAJOR	MICRO METER	100%	DRAWING	HE51533 , REV.00	INSPECTION REPORT	✓	2	1		
3.7	TUBE LENGTH INSPECTION	TUBE LENGTH INSPECTION	MAJOR	MEASURE MENT/ COMPARI SON	100%	DRAWING	HE51533 , REV.00	INSPECTION REPORT	✓	2	1		
3.8	STRAIGHTNESS INSPECTION	STRAIGHTNESS INSPECTION	MAJOR	LINE GAGE SET OF FEELER GAUGES	100%	DRAWING	HE51533 , REV.00	INSPECTION CERTIFICATE	✓	2	1		
3.9	INSPECTION OF INTERNAL AND EXTERNAL WELD REINFORCEMENT	INSPECTION OF INTERNAL AND EXTERNAL WELD REINFORCEMENT (USING MICRO METER IN MACHINE LINE / PROJECTION OPTICAL DEVICE)	MAJOR	MEASRT	10% 2 SPECIMENS PER TUBE LOT(OPTICAL)	DRAWING	HE51533 , REV.00	INSPECTION CERTIFICATE	✓	2	1		
3.10	INSPECTION OF CUT PERPENDICULARITY	INSPECTION OF CUT PERPENDICULARITY (PRECISION SQUARES SET OF FEELER GAUGES)	MAJOR	VISUAL/ MEASRT	100%	HE51533 , REV.00	HE51533 , REV.00	INSPECTION REPORT	✓	2	1		

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:

Alou Behura

ALOK BEHERA
SR.ENGR/ QA

REVIEWED BY:

Amplified

D S SATPUTE
AGM /QA

APPROVED BY:

Revised

D S SATPUTE
AGM /QA



**BHARAT HEAVY ELECTRICALS
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SI No	Component & Operations	Characteristics	Class	Type Of Check	Quantum Of Check	Ref Document	Acceptance Norms	Format Of Record	* D	Agency			Remarks
										P	W	V	
3.11	PRODUCT ANALYSIS	CHEMICAL COMPOSITION	MAJOR	CHEMICAL	1 SPECIMEN PER EACH HT BATCH OR 125 TUBES WHICHEVER IS LESS	HE51533 , REV.00	HE51533 , REV.00	INSPECTION CERTIFICATE	✓	2		1	
3.12	HYDROGEN % IN FINISHED TUBES –CL 10.3 OF SPEC	CHEMICAL COMPOSITION	MAJOR	CHEMICAL	1 SPECIMEN PER EACH HT BATCH OR 125 TUBES WHICHEVER IS LESS	HE51533 , REV.00	HE51533 , REV.00	INSPECTION CERTIFICATE	✓	2		1	
3.13	TENSILE TEST	DETERMINATION OF TENSILE STRENGTH , YIELD STRENGTH ELONGATION	MAJOR	MECH	1 SPECIMEN PER EACH HT BATCH OR 125 TUBES WHICHEVER IS LESS	ASTM A 370	HE51533 , REV.00	TEST CERTIFICATE	✓	2	1		
3.14	FLATTENING TEST	FLATTENING TEST	MAJOR	MECH	1 SPECIMEN PER EACH HT BATCH OR 125 TUBES WHICHEVER IS LESS	HE51533 , REV.00	CRACKING IS NOT ALLOWED	INSPECTION REPORT	✓	2	1		

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:

Aliou Behura

ALOK BEHERA
SR.ENGR/ QA

REVIEWED BY:

Amplified

D S SATPUTE
AGM /QA

APPROVED BY:

Simple

D S SATPUTE
AGM /QA



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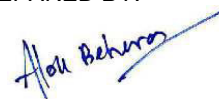
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SI No	Component & Operations	Characteristics	Class	Type Of Check	Quantum Of Check	Ref Document	Acceptance Norms	Format Of Record	* D	Agency			Remarks
										P	W	V	
3.15	REVERSE FLATTENING TEST	REVERSE FLATTENING TEST	MAJOR	MECH	1 SPECIMEN PER EACH HT BATCH OR 125 TUBES WHICHEVER IS LESS	ASTM A 370	CRACKING IS NOT ALLOWED	INSPECTION REPORT	✓	2	1		
3.16	FLARE TEST	FLARE TEST	MAJOR	MECH	1 SPECIMEN PER EACH HT BATCH OR 125 TUBES WHICHEVER IS LESS	HE51533 , REV.00	CRACKING IS NOT ALLOWED	INSPECTION REPORT	✓	2	1		
3.17	SURFACE ROUGHNESS INSPECTION	DETERMINATION OF INNER SURFACE ROUGHNESS EXPECT FOR WELD	MAJOR	DETERMINATION OF INNER SURFACE ROUGHNESS VALUE EXCEPT FOR WELD	1 SPECIMEN PER EACH HT BATCH OR 125 TUBES WHICHEVER IS LESS	HE51533 , REV.00	CRACKING IS NOT ALLOWED	INSPECTION REPORT	✓	2	1		
3.18	ENDS PROCESSING FREEDOM FROM BURRS	INSPECTION FOR ENDS PROCESSING, FREEDOM FROM BURRS (CONFIRMATION OF ENDS PROCESSING GOOD QUALITY FREEDOM FROM BURRS)	MAJOR	VISUAL	100%	HE51533 , REV.00	HE51533 , REV.00	INSPECTION REPORT	✓	2	1		AT RANDOM (MIN 5%)
3.19	WELDED TUBE IDENTIFICATION	IDENTIFICATION ACCURACY CONTROL (CONFIRMATION OF IDENTIFICATION ACCURACY)	MAJOR	VISUAL	100%	HE51533 , REV.00	HE51533 , REV.00	INSPECTION REPORT	✓	2		1	AT RANDOM (MIN 5%)

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
SR.ENGR/ QA**

REVIEWED BY:


**D S SATPUTE
AGM /QA**

APPROVED BY:


**D S SATPUTE
AGM /QA**



**BHARAT HEAVY ELECTRICALS
LIMITED
R.C.PURAM, HYDERABAD**

STANDARD QUALITY PLAN FOR VENDOR ITEMS

ITEM: WELDED TITANIUM TUBES
BHEL SPEC: HE51533,REV-00

QP. NO: HY/HE/10001/TITANIUM TUBES

Rev. No. : 04

DATE: 19.04.2018

VALID UPTO: 18.04.2020

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SI No	Component & Operations	Characteristics	Class	Type Of Check	Quantum Of Check	Ref Document	Acceptance Norms	Format Of Record	* D	Agency			Remarks
										P	W	V	
3.20	PMI ("IF STIPULATED IN P.O")	COMPOSITION	MAJOR	CHEM	100 %	MFR STD	HE51533 , REV.00	INSPECTION REPORT	✓	2	1*		* AT RANDOM (MIN 5%)
3.20	ACCEPTANCE INSPECTION	INSPECTION TO PARA'S 3.4- 3.9, CONTROL OF TEST AND MEASUREMENT REPORTS TO PARA'S 3.1, 3.3, 3.10, 3.14: CONTROL OF WELDED TUBE IDENTIFICATION ACCURACY	MAJOR	CONFIRMATION OF MEASUREMENTS AND TESTING COMPLIANCE WITH THE PARAGRAPHS SPECIFIED	QUANTUM OF CHECK AND TESTING IS IN ACCORDANCE WITH THE PARAGRAPHS SPECIFIED	HE51533 , REV.00	HE51533 , REV.00	INSPECTION REPORT	✓	2		1	HOLD POINT
4.0	STORAGE, PACKING AND MARKING												
4.1	PACKING & MARKING	CONTROL OF TUBES QUANTITY IN A BOX. CONTROL OF TEST CERTIFICATES AVAILABILITY. CORRECTNESS OF TUBES PACKING ACCURACY OF BOX IDENTIFICATION (CONFORMATION OF TUBES QUANTITY IN A BOX. CONTROL OF TEST CERTIFICATES AVAILABILITY, CORRECTNESS OF TUBES PACKING ACCURACY OF BOX IDENTIFICATION)	EACH BOX	VISUAL	EACH BOX	AA0490002/MFR STD	AA0490002/MFR STD	INSPECTION REPORT	✓	2		1	NOTE -2 PRE DESPTACH PHOTOGRAPHS SHALL BE PROVIDED

LEGEND:

P: - PERFORM, W: - WITNESS , V: - VERIFICATION,

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:

Alou Behrens

ALOK BEHERA
SR.ENGR/ QA

REVIEWED BY:

Revised

D S SATPUTE
AGM /QA

APPROVED BY:

Revised

D S SATPUTE
AGM /QA

		BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD		STANDARD QUALITY PLAN FOR VENDOR ITEMS ITEM: WELDED TITANIUM TUBES BHEL SPEC: HE51533,REV-00				QP. NO: HY/HE/10001/TITANIUM TUBES Rev. No. : 04 DATE: 19.04.2018 VALID UPTO: 18.04.2020			
								PAGE 6 OF 6			
				SI No	Component & Operations	Characteristics	Class	Type Of Check	Quantum Of Check	Ref Document	Acceptance Norms

Note:

1. ONLINE HT REPORT SHALL BE FURNISHED WITH, HEAT NO/TEMPERATURE RANGE/USED GAS/CHAMBER PRESSURE/MINIMUM SOAKING TIME.
- 2- MANUFACTURERS STANDARD SHALL BE FURNISHED TO BHEL FOR REVIEW AND APPROVAL.

GENERAL NOTES:

1. THIS QP SHOULD BE READ ALONG WITH BHEL SPEC, BHEL DRAWINGS / APPROVED DRAWINGS, DATA SHEET, BOM AND PO.
2. LATEST REVISIONS OF SPECIFICATION / DRAWINGS AS PER P.O., APPROVED DRAWINGS & BILL OF MATERIALS ARE APPLICABLE.
3. 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.
4. ALL TEST CERTIFICATES/ REPORTS REVIEWED AND CERTIFIED BY BHEL/TPI SHALL BE SUBMITTED TO BHEL AS DOCUMENTATION PACKAGE.
5. DRAWING / DATA SHEET SHALL PREVAIL OVER QUALITY PLAN IN CASE OF ANY CONTRADICTION BETWEEN QUALITY PLAN AND DRAWING / DATA SHEET.
6. ANY PROJECT / CUSTOMER SPECIFIC REQUIREMENT, LIKE QP APPROVAL & CUSTOMER/CONSULTANT INSPECTION, WHICH SHALL BE NOTIFIED HAVE TO BE FULFILLED BY THE VENDOR AT THE TIME OF EXECUTION OF ORDER.
7. THIS QP SHALL NOT BE APPLICABLE TO THE ORDERS FOR WHICH QP APPROVAL & INSPECTION BY CUSTOMER/CONSULTANT IS REQUIRED.
8. THIS SQP IS NOT APPLICABLE FOR VENDORS SUPPLYING THIS ITEM FOR THE FIRST TIME TO BHEL.

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

LEGEND: P: - PERFORM, W: - WITNESS, V: - VERIFICATION, 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 SR.ENGR/ QA	REVIEWED BY:  D S SATPUTE AGM /QA	APPROVED BY:  D S SATPUTE AGM /QA
	Format no. : HYQA/QP/VSQP Rev.02		



PRODUCT STANDARD

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WELDED TITANIUM TUBES - GRADE 2

1.0 General:

This specification governs the quality of Welded Titanium Tubes, Grade 2 in annealed condition.

2.0 Application:

For use in surface condensers, evaporators and heat-exchangers.

3.0 Condition Of Delivery:

Annealed.

4.0 Compliance With Standards:

The tubes shall comply with requirements of:

ASME SB-338 Gr. 2 (Latest applicable code as on date of enquiry)

5.0 Dimensions & Tolerances:

5.1 Sizes:

The tube shall be supplied as per wall thickness, Outer diameter and dimension specified in the purchase order.

5.2 Tolerances:

5.2.1 On OD and Wall Thickness:

Outside diameter, mm	Diameter	Permissible variation
Over Upto & Incl	Tolerances, mm	in wall thickness, percent
- 25	± 0.102	± 10
25 38	± 0.127	± 10
38 50	± 0.152	± 10
50 63	± 0.178	± 10
63 90	± 0.254	± 10

Note: Tolerances on outside diameter apply only to tubes as finished at the mill before subsequent swaging, expanding, bending, polishing or other fabricating operations.

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Dt: 15.12.15			Venkanna	Mantri	Venkateshwarlu



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5.2.2 On straightness:

The tubes shall be free of bends or kinks and the maximum bow shall not exceed Values shown below.

Length, Metres		Maximum Curvature
Over	Upto & Incl	Depth of arc, mm
0.9	1.8	3.2
1.8	2.4	4.8
2.4	3.0	6.4
3.0	--	6.5 in any 3 metres

5.2.3 On Specified Lengths of Tubes :

Specified Lengths of Tubes, Metres	Tolerance, + mm
Upto 7	3.0
Over 7 upto 10	6.0
Over 10 upto 13	9.0
Over 13	12.0

5.3 Seam Height:

The projection of weld seam inside the tube shall not be more than 0.10 mm.

5.4 Squareness of Cut:

The angle of cut of the end of any tube may depart from square by not more than 0.016 mm/mm of diameter.

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Prepared
Venkanna

Checked
Mantri

Approved
Venkateshwarlu



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6. MANUFACTURE:

The tube shall be made from annealed & flat rolled product by an automatic arc welding process or without any filler material. Welded tubing shall be heat treated by at least a stress relief after forming and welding.

7. FREEDOM FROM DEFECTS:

The finished tube shall be clean and free of foreign material shall be smooth ends free of burrs and shall be free of injurious external and internal imperfections. Minor defects may be removed, provided the dimensional tolerances of clause 5 are not exceeded.

8. SURFACE ROUGHNESS:

For the inner surface, with the exception of weld seam, the roughness in longitudinal direction shall be allowable within Ra=2 microns or Rz=10 microns.

9. CHEMICAL COMPOSITION:

The analysis of the tube material and the permissible variation in the composition of the finished tube from the limits specified shall be as follows:

Element	Percent, Maxm, Meter	Permissible Variation
Nitrogen	0.03	+ 0.02
Carbon	0.08	+ 0.02
Hydrogen	0.015	+ 0.002
Iron	0.30	+ 0.15
Oxygen	0.25	+ 0.03
Residuals. Each	0.1	+ 0.02
Residuals, total	0.4	--
Titanium	--	Reminder --

- Note:
1. Lower hydrogen values may be obtained by negotiation with the manufacturer.
 2. Percentage of residuals, each need not be reported unless the concentration level is Greater than 0.1% each, or 0.4% total.
 3. A residual is an element present in a useful or an alloy in small quantities inherent to The manufacturing process but not added intentionally.
 4. Ingot hydrogen need not be reported .Final product hydrogen shall be reported.

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10. TEST SAMPLES:

10.1 Heat analysis:

An analysis of each heat shall be made by the tube manufacturer to determine the percentage of the elements.

10.2 Product analysis

10.2.1 An analysis of one length of flat rolled stock or one tube shall be made of each heat to cross check the analysis of the material.

10.2.2 If the original test for the product analysis fails, retests of two additional lengths of flat rolled stock or tubes shall be made. Both retests, if for the element in question shall meet the requirements of the specification, otherwise all remaining material in the heat or lot shall be rejected or at the option of the producer, each length of flat rolled stock or tube may be individually tested for acceptance. Length or flat rolled stock of tubes which do not meet the requirements of this specification shall be rejected.

10.3 Lot:

Number of tubes in a lot heat treated by continuous process shall be as below:

Size of tube	Size of lot
25.4 mm or less in outside diameter`	not more than 125 tubes
Less than 40 mm but over 25.4 mm	not more than 75 tubes
In outside diameter.	

The term lot applied to all tubes prior to cutting of the same nominal diameter and wall thickness which are produced from the same heat. When final heat treatment is in a batch type furnace, a lot shall include only those tubes of the same size and the same heat which are heat treated in the same heat furnace charge. When the final heat treatment is in a continuous furnace a lot as defined above shall include tubes of the same size and heat, heat treated in the same furnace at the same temperature, time at heat and furnace speed.

One tensile, flattening, flaring test per lot shall be conducted.

11. MECHANICAL PROPERTIES:

When tested in accordance with ASTM A 370, the test pieces shall show the following properties in the annealed condition.

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11.1 Tensile Strength:

Tensile Strength	:	345 N/mm ² min.
Yield Strength, 0.2% offset	:	275 – 450 N/mm ²
Elongation in 50 mm gauge length	:	20% min.

11.2 Flattening Test:

The tube shall be capable of withstanding without cracking, flattening under a load applied gradually at room temperature until the distance between the load platens is H mm. H is calculated as follows:

$$H = \frac{(1 + e) t}{e + t / D}$$

Where

H	=	the min. Flattened height, mm.
t	=	the nominal wall thickness, mm.
D	=	the nominal tube diameter, mm and
e	=	0.07 for all diameters

The tube shall be subjected to a reverse flattening test in accordance with Annex 2 of ASTM A370. A section of tube, approximately 102 mm long, which is still longitudinally 90° either side of the weld, shall be opened and flattened with the weld at the point of maximum bend. No cracking is permitted.

11.3 Flaring Test:

Tubes upto 88 mm outside diameter and upto 4 mm in wall thickness and thinner and section of tube approx. 102 mm shall withstand being flared with a tool having 60° included angle until the inner diameter of the tube at the mouth of the flare has been expanded by 20% min. The flared end shall show no visible cracking or rupture.

Flaring tests for larger sizes of tubes shall be as agreed upon between the manufacturer and BHEL.

12. NON DESTRUCTIVE TESTS:

Unless otherwise specified each tube shall be subjected to the following tests by the manufacturer.

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12.1 Eddy current Or Ultrasonic Test:

In order to accommodate the various types of nondestructive electric testing equipment and techniques in use, and manufacturing practices employed, any one of the following calibration standards may be used, at the option of the producer, to establish a minimum sensitivity level for rejection.

Note: 1. If specified on the order, both Eddy Current and Ultrasonic tests shall be conducted.

2. After Eddy Current test, untested ends of tubes shall be cut and removed.

12.1.1 Drilled Hole:

A hole not larger than 0.787 mm or less in which shall be drilled radially and completely through tube wall, care being taken to avoid distortion of the tube while drilling.

12.1.2 Longitudinal Notch:

A notch 0.787 mm or less in width shall be machined in a radial plane parallel to the tube axis on the outside surface of the tube, to have a depth not exceeding 10% of the nominal wall thickness of the tube, or 0.102 mm, whichever is greater. The length of the notch shall be compatible with the testing method.

Any tube showing an indication in excess of that obtained from the calibration standard shall be set aside and be subjected to rework, retest or rejection. A tube thus set aside may be further examined for confirmation of the presence of a defect and may be resubmitted for inspection if no defect is found. Any tube may also be resubmitted for inspection if reworked so as to remove the defect within the specified diameter and wall thickness tolerance specified in clause 5.2.1. Rework by weld repair is not permitted.

12.2 Hydrostatic test:

Each tube so tested shall withstand, without showing bulges, leaks, or other defects, an internal hydrostatic pressure that will produce in the tube wall a stress of 50% of the minimum specified yield strength at room temperature. This pressure shall be determined by the following equation.

$$P = SEt / (Ro - 0.4t)$$

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Where

P = Minimum hydrostatic test pressure, N/mm²

S = Allowable fiber stress of one half the minimum yield strength, N/mm²

t = Wall thickness, mm

Ro = Outside tube radius, mm

E = 0.85 for welded tube

12.2.1 The maximum hydrostatic test pressure shall not exceed 17.2 N/mm² for sizes 76 mm OD and under, or 19.3 N/mm² for sizes over 76 mm OD. Hydrostatic pressure shall be maintained for not less than 10 seconds.

12.3 Pneumatic Test:

Each tube so tested shall withstand an internal air pressure of 0.69 N/mm² minimum for 5 seconds minimum without showing evidence of leakage. The test method used shall permit easy visual detection of any leakage. Such as by placing the tube under water or by using the pressure differential method. Any evidence of leakage shall be cause for rejection of that tube.

13. RETEST:

If the results of any mechanical tests of any lot do not conform to the requirements specified in the clause 11, results shall be made on additional tubes of double the original number from the same lot, each of which shall conform to the requirements specified.

14. QUALITY ASSURANCE REQUIREMENT:

The manufacturer shall conduct all the tests required to ensure that the tubes offered conform to the requirements of the applicable codes and standards, Manufacturer shall submit a detailed quality plan along with his offer as per the standard format which should include all the tests/checks to be carried out by them at the various stages of manufacturing the item. This quality plan shall be reviewed by BHEL and BHEL reserves the right to ask for any more checks, details if required at the time of Quality Plan finalization. The manufacturer shall manufacture the item as per the quality plan duly approved by BHEL.

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The supplier shall fill up the enclosed check list as per Annexure-A and submit the same along with the offer.

16. DOCUMENTS TO BE FURNISHED:

The following documents shall be furnished along with the offer:

1. A process chart clearly indicating the sequence of manufacturing.
2. Purchasing specification of strips.
3. Heat treatment details.
4. Welding procedure and weld details.
5. Packing box drawing
6. Quality plan.

17. INSPECTION AT SUPPLIERS WORKS:

BHEL / its representative shall have free access at all times until work on the contract of BHEL is being performed, to all parts of the manufacture's works. The supplier shall offer BHEL'S representative all reasonable facilities, without charge to satisfy the latter that the material is being furnished in accordance with this specification.

18. TEST CERTIFICATES:

Four copies of test certificates shall be supplied unless otherwise stated in the order. The test certificate shall bear the following information:

BHEL REFERENCES:

BHEL Order No.

HE 5 1533 (Rev. 00): Welded Titanium Tubes – Grade 2.



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Supplier's References:

- Supplier's Name
- Test Certificate No.
- Size & Quantity
- Identification Marks
- Process of Manufacture
- Heat Treatment and Batch Number

Test Results:

Results of chemical analysis, mechanical and non-destructive tests. If specified in purchase order, the test certificate shall be attested by BHEL representative / third inspection agency approved by BHEL.

19. PACKING AND MARKING

Packing shall be as per AA 0490002 **PRESERVATION PACKING AND MARKING HEAT EXCHANGER TUBES.**

20. REJECTION AND REPLACEMENT:

Material failing to confirm to this specification will be rejected. The supplier shall undertake to replace the rejected material at his own cost.

21. REFERRED STANDARDS:

Standards referred in this specification:

- 1) AA13002
- 2) ASTM A 370
- 3) AA 0490002

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ANNEXURE - A (Clause 15)

CHECK LIST FOR HE 5 1533 (To be filled by supplier)

- | | | |
|--|---|--------|
| (A) Name of Principal Supplier | : | |
| (B) Name of Indian Agent | : | |
| 1. Grade of material as per specification | : | Yes/No |
| 2. Mechanical properties as per specification | : | Yes/No |
| 3. Bright annealing | : | Yes/No |
| 4. Seam height < 0.01 mm | : | Yes/No |
| 5. NDT Test Offered | : | Yes/No |
| i. Hydraulic test | : | Yes/No |
| ii. Pneumatic test | : | Yes/No |
| iii. Eddy current test | : | Yes/No |
| iv. Ultrasonic test | : | Yes/No |
| v. Air-air differential pressure test | : | Yes/No |
| 6. Test | | |
| 1. Flattening test | : | Yes/No |
| 2. Flaring test | : | Yes/No |
| 7. Finish of tubes | | |
| Inside side surface Ra= 2 microns or | : | Yes/No |
| Rz=10 microns | | |
| 8. Brief write up on manufacturing | : | Yes/No |
| Process enclosed. | | |
| 9. Quality plan on BHEL formal enclosed. | : | Yes/No |
| 10. Details of previous experience enclosed | : | Yes/No |
| (For new supplier's only). | | |
| 11. Lifting beam offered. | : | Yes/No |
| 12. Packing box drawing enclosed. | : | Yes/No |
| 13. End guides included (Both cuds). | : | Yes/No |
| 14. Deviation taken (please clearly specify, if any) | : | Yes/No |

Date:

Signature & Seal of Manufacturer

Place:

Clause on IP in the tender

Integrity Pact (IP)

(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. Following independent External Monitors (IEMs) on the present panel have been appointed by BHEL with the approval of CVC to oversee implementation of IP in BHEL.

SI	IEM	Address	Phone & Email
1	Shri D.R.S Chaudary IAS (Retd.)	E-1/64, Area Colony Bhopal 462016 (M.P.)	Ph: +917554050494 dilip.chaudary@icloud.com
2	Mrs.Pravin Tripathi IA & AS (Retd)	D-243, Anupam Gardens, Lane IB, Neb Sarai, Sainik Farms, New Delhi-110068	pravin.tripathi@gmail.com

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

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

Note:

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

Details of contract person(s)

(1)

Name: Ch.karthik
Sr.Officer/PUR/HE&F
HPEP Hyderabad
040-23182202
karthik@bhel.in

(2)

Name: A.Chandra sekar
AGM/ PUR/HE&F
HPEP-Hyderabad
04023185340
acs@bhel.in

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 _____

_____. The Principal values full compliance with all relevant laws of the land, rules and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder(s)/ Contractor(s).

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

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. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.
- 2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he/ she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
- 2.1.2 The Bidder(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 will await their decision in the matter.

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

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

Section 4 - Compensation for Damages

- 4.1 If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent Earnest Money Deposit/ Bid Security.
- 4.2 If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to

demand and recover from the Contractor liquidated damages equivalent to 5% of the contract value or the amount equivalent to Security Deposit/ Performance Bank Guarantee, whichever is higher.

Section 5 - Previous Transgression

- 5.1 The Bidder declares that no previous transgressions occurred in the last 3 years with any other company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
- 5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section 6 - Equal treatment of all Bidders/ Contractors / Sub-contractors

- 6.1 The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors. In case of sub-contracting, the Principal contractor shall be responsible for the adoption of IP by his sub-contractors and shall continue to remain responsible for any default by his sub-contractors.
- 6.2 The Principal will disqualify from the tender process all bidders who do not sign this pact or violate its provisions.

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

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

Section 8 - Independent External Monitor(s)

- 8.1 The Principal appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
- 8.2 The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.
- 8.3 The Bidder(s)/ Contractor(s) accepts that the Monitor has the right to access without restriction to all contract documentation of the Principal including that provided by the Bidder(s)/ Contractor(s). The Bidder(s)/ Contractor(s) will grant the monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his contract documentation. The same is applicable to Sub-contractor(s). The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s) / Sub-contractor(s) with confidentiality in line with Non- disclosure agreement.
- 8.4 The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

- 8.5 The role of IEMs is advisory, would not be legally binding and it is restricted to resolving issues raised by an intending bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some bidders. At the same time, it must be understood that IEMs are not consultants to the Management. Their role is independent in nature and the advice once tendered would not be subject to review at the request of the organization.
- 8.6 For ensuring the desired transparency and objectivity in dealing with the complaints arising out of any tendering process, the matter should be examined by the full panel of IEMs jointly as far as possible, who would look into the records, conduct an investigation, and submit their joint recommendations to the Management.
- 8.7 The IEMs would examine all complaints received by them and give their recommendations/ views to CMD, BHEL, at the earliest. They may also send their report directly to the CVO and the Commission, in case of suspicion of serious irregularities requiring legal/ administrative action. IEMs will tender their advice on the complaints within 10 days as far as possible.
- 8.8 The CMD, BHEL shall decide the compensation to be paid to the Monitor and its terms and conditions.
- 8.9 IEM should examine the process integrity, they are not expected to concern themselves with fixing of responsibility of officers. Complaints alleging mala fide on the part of any officer of the organization should be looked into by the CVO of the concerned organisation.
- 8.10 If the Monitor has reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant Indian Penal Code/ Prevention of Corruption Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
- 8.11 The number of Independent External Monitor(s) shall be decided by the CMD, BHEL.
- 8.12 The word 'Monitor' would include both singular and plural.

Section 9 - Pact Duration

- 9.1 This Pact shall be operative from the date IP is signed by both the parties till the final completion of contract for successful bidder and for all other bidders 6 months after the contract has been awarded. Issues like warranty / guarantee etc. should be outside the purview of IEMs.
- 9.2 If any claim is made/ lodged during currency of IP, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/ determined by the CMD, BHEL.

Section 10 - Other Provisions

- 10.1 This agreement is subject to Indian Laws and jurisdiction shall be registered office of the Principal, i.e. New Delhi.

10.2 Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

10.3 If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.

10.4 Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

10.5 Only those bidders / contractors who have entered into this agreement with the Principal would be competent to participate in the bidding. In other words, entering into this agreement would be a preliminary qualification.

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) _____

(Attachment to Enquiry No. D3A1S900091 Due on Date 07.08.2019 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".			
S. No.	DETAILED TERMS & CONDITIONS	VENDOR RESPONSE (YES/NO)	DEVIATIONS / COMMENT
1	SCOPE OF SUPPLY:		
	Signed & Sealed offers are invited for the Scope of Supply of goods and Services or both as detailed in the enquiry. Relevant enclosures/supporting documents / catalogue, if any shall be enclosed to the technical offer. Bidder can also submit offer through email at their own risk. The offer is to be submitted in two parts. Technical offer to be submitted to mail ID technicalbid_hyd@bhel.in , and price bid to be submitted to mail ID pricebid_hyd@bhel.in as an attachment only. Interchanging the information in the mails may lead to rejection of the offer. Supplier shall have no claim on e-mail offers sent on any other e-mail ID.		
	In case of e-mail offers, the mail subject should contain Enquiry No. Due date and Supplier name, Supplier address including contact details shall be mentioned in the content of the mail. Without these details offer is liable for rejection.		
2	GENERAL INSTRUCTIONS:		
A	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 should be signed and Stamped. If there is a conflict in case of bilingual submission, the submission in English will be final.		Non Deviatable
B	In case of Single-Part bid Tender, the complete bid shall be submitted in a single sealed cover super subscribing the Tender number and due date. Incomplete offers are liable for rejection. E mail bids shall be sent to mail ID pricebid_hyd@bhel.in as an attachment only.		Non Deviatable
C	Bidders to please note that the Terms & conditions contained in this document and Special conditions, if any, are to be read fully before submission of quotations.		Non Deviatable
D	BHEL reserves the right to process the tender through Reverse Auction (RA) route. Bidders are requested to go through RA guidelines (which are attached) and confirm acceptance of the same. Otherwise the offer is liable for rejection. BHEL will decide (after technical bid opening), at its discretion, to process the tender through Reverse Auction or by opening price bids.		Non Deviatable
E	Vendors are advised to comply with specific conditions of the enquiry, 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 vendor 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 vendor 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 supplier is not a manufacturer. Bid envelopes shall bear the name of Supplier. In case of submission through authorized representative/agent, the name of representative/agent should also be mentioned apart from supplier name.		Non Deviatable
G	Offer received after the specified time and date of submission shall be rejected. No further correspondence shall be entertained.		Non Deviatable
H	Unsolicited offers shall not be considered.		
3	OTHER PARTICULARS (Please indicate applicable data)		
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).		
4	BID SUBMISSION PROCEDURE:		
A.	For Single Part Bids: Offers addressed to DGM/CMM, Vendor Complex, BHEL, Hyderabad must be sent in a sealed cover on which tender enquiry number and the due date shall be super subscribed 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. For e-mail offers please follow the procedure mentioned in 2 (B).		Non Deviatable

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INSTRUCTIONS TO BIDDER (ITB)			
S. No.	DETAILED TERMS & CONDITIONS	VENDOR RESPONSE (YES/NO)	DEVIATIONS / COMMENT
B.	For two-Part Bids:		
i	Two part bid consisting of i) Techno-commercial Bid - (Part-I), with all technical specification & scope including bill of material etc., EMD (where applicable) and unpriced bid with all applicable Commercial Terms and Conditions, rates of agency commission, duties, taxes and other charges, <u>except the price</u> , super scribing enquiry No. (Techno-Commercial Bid) and due date. Signed and Stamped ITB and special conditions of contract, if any is required to be attached along with Techno-commercial Bid (i.e. Part-I). AND ii) 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 super subscribing Enquiry no. (Price bid) & due date. Both these covers shall be kept in a Third cover super subscribing Enquiry no. & due date. All techno commercial terms & conditions mutually agreed prior to price bid opening shall prevail and supersede any terms and conditions specified otherwise in price bid.		Non-Deviatable
ii	Techno-commercial Bid will be opened on the assigned date. Only the price bids of vendors whose techno commercial bids are accepted will be opened later on a specified date. In case BHEL opts for Reverse Auction, the date of conducting RA will be intimated separately to all the qualified bidders.		Non-Deviatable
iii	The bidders whose bids are techno-commercially not accepted will be informed & EMD (Earnest Money Deposit) shall be returned wherever submitted.		
iv	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.		Non-Deviatable
v	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.		Non-Deviatable
5	Delivery Instructions		
A.	Indigenous Purchase:		
	Goods shall be delivered on FOR Destination basis to the named destination(s) or as specified in the enquiry, Insurance in the scope of supplier.		
B.	Imports:		
	The goods shall be delivered on CIP-basis to port of discharge as mentioned in the purchase order.		
6	Documentation:		
A.	Indigenous Purchase		
	Seller shall arrange to send to BHEL, Hyderabad along with all the required documents as detailed in Purchase Order, such as, Tax Invoice (Original for Recipient, Duplicate for Transporter), consignee copy of LR, Packing list , Pre-dispatch Inspection report, Test/ Guarantee/ Warranty certificate/ O&M manuals (as applicable) etc. immediately on dispatch of the goods. Any addition/ exclusion to such documents shall be as specified in the Purchase Order. In case of dispatches from vendor works to site, material receipt certified by site office / Customer shall be provided. Softcopies of the above documents shall be uploaded in Pradan portal https://web.bhelhyd.co.in/mm/ immediately after dispatch of the material.		Non-Deviatable
B	Imports		
	(i) Seller shall inform the purchaser the readiness of material along with packing details well in 30 days advance from the date of delivery. Seller shall also upload soft copy of the dispatch documents consisting of BL / AWB, Invoice, Shipping list & Test certificates and other documents as specifically indicated in the Purchase Order in PRADAN Portal (https://web.bhelhyd.co.in/mm/) within 3 days from the B/L date for sea shipment and 1 day from AWB date for Air shipment.		
	(ii) In case of CIP shipments, seller shall also inform purchaser the information about discharge port agent details and ship arrival information within 7 working days from the date of Shipment.		

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INSTRUCTIONS TO BIDDER (ITB)

S. No.	DETAILED TERMS & CONDITIONS	VENDOR RESPONSE (YES/NO)	DEVIATIONS / COMMENT																		
	(iii) In case the material shipped in Full Containers(FCL), Seller shall ensure that the Bill of Lading should clearly spell out the following: 1. Port of discharge -- "Nhavaseva"/chennai 2. Place of Delivery / Final Destination - "ICD Sanath Nagar". 3. For air consignment the port of discharge will be Hyderabad, India and consignee shall be BHEL.																				
	(iv) In case of Air shipment, the following dimensions of single package may be noted: a) Dimension of the cargo(ODC) -- > 125" x 88" x 63" b) Weight of the cargo -- >3.5 MT. If any package dimension or weight crosses the above set limits, it will be treated as Over Dimension Cargo (ODC) or Over Weight Cargo and seller shall inform BHEL well in advance of 20 days prior to the delivery date to enable BHEL to finalize the freight forwarder.																				
	(v) <u>Recovery charges for non-submission of documents :</u> Seller shall submit all the required documents to BHEL as prescribed in the Purchase order and NIT. If BHEL incurs any charges such as Penalty, demurrage, container detention, wharf age, storage, Ground rent etc., due to non - compliance / non - submission of documents prescribed in Purchase Order / Tender Document / Letter of credit , the same shall be recovered from the seller as under: 1. EUROPE/USA/Black Sea/ Far East/Middle East/South East sector A. For EX-WORKS / FCA/ FAS / FOB Sea Consignments: Penalty for late submission / negotiation of documents beyond 14 days shall be as under: <table><tr><th rowspan="2">S.No.</th><th rowspan="2">Period (From Date of Bill of Lading)</th><th>Recoverable Charges</th><th colspan="2">Recoverable Charges per day per</th></tr><tr><th>LCL per week/ Break bulk cargo per day</th><th>20FT Container</th><th>40FT Container</th></tr><tr><td>i</td><td>Upto 14th day</td><td>Nil</td><td>Nil</td><td>Nil</td></tr><tr><td>ii</td><td>15th day onward</td><td>USD 10</td><td>USD 50</td><td>USD 105</td></tr></table>	S.No.	Period (From Date of Bill of Lading)	Recoverable Charges	Recoverable Charges per day per		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 50	USD 105		
S.No.	Period (From Date of Bill of Lading)			Recoverable Charges	Recoverable Charges per day per																
		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 50	USD 105																	
	B. For CIF / CFR / CIP / CPT Sea Shipments: Vendor 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 Vendor as per the rates quoted by the Vendor at the time of offer in this regard. In case of Break bulk cargo and LCL Demurrage/storage charges shall be recovered at rate of USD 10 per day and storage charges rate of USD 10 per week respectively shall be charged as late presentation charges.																				
	(vi) Description of items in invoice, packing list, BL / AWB or LR shall be same as PO item description. Vendors shall ensure that invoice shall contain PAN nos. of both seller and buyer 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 seller on priority basis.																				
	(vii) Seller shall provide package details including number of packages, gross weight, net weight etc.																				
	(viii) The seller shall provide the following documents at the time of submission of offer : a) No Business Connection in India declaration issued by the seller as per the format specified. (or) b) (i) No Permanent Establishment in India declaration issued by the seller as per the format specified. (ii) Tax Residence Certificate issued by the seller's tax authorities. (iii) Form 10F issued by the supplier. c) In case the seller has a Business Connection in India as per Section 9 of Income Tax Act or Permanent Establishment in India as per Article 5 of Double Taxation Avoidance Agreement between India and the seller's country, the seller shall provide a withholding tax order issued by the Indian Income Tax authority for recovery of applicable tax.																				

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INSTRUCTIONS TO BIDDER (ITB)			
S. No.	DETAILED TERMS & CONDITIONS	VENDOR RESPONSE (YES/NO)	DEVIATIONS / COMMENT
7	Delivery Schedule		
A	The tendered goods shall be delivered within the period stipulated in PO. Delivery at BHEL can be accepted at the earliest, 30 days prior to delivery date as mentioned in the Purchase order. Delivery earlier than 30 days of contractual delivery date may be accepted with the written permission of BHEL -Purchase department. Goods arriving after the delivery date will be accepted only with the prior written permission of BHEL otherwise they will not be allowed inside the factory. BHEL reserves the right to reject the material, if not delivered by scheduled Purchase Order Delivery Date. (In case of imports , the final entry date of Import General Manifest (IGM) will be reckoned as delivery completion date)		Non-Deviatable
B	Documents such as TC,GCs Inspection reports are to be submitted within 10 days of dispatch of these materials. 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. Supply of plant/ equipment/ stores shall not be considered complete until they have been inspected and accepted at the place and destination specified for delivery by the time stipulated under the terms & conditions of the Order/ Contract. Mere payment by itself shall not constitute acceptance of the goods or materials in any manner, whatsoever.		
8	Pricing Terms		
	Prices once quoted 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 NIT.		Non-Deviatable
9	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 of 1 year from the date of Placement of PO for the main equipment.		
10	Taxes & Duties (RATE TO BE INDICATED by the bidder against the space provided)		
A.	Indigenous Purchase: The Taxes as applicable shall be quoted in the following manner.		
i	Vendor to indicate HSN of Goods or SAC of Services.		
ii	IGST/CGST/SGST/UTGST: Rate of Tax to be quoted as extra in %		
	NOTE: Bidders to ensure correct applicability of IGST/CGST/SGST/UTGST based on the Inter / Intra state movement of goods. Taxes prevalent on the contractual delivery date or the actual delivery date (incase of delay) which ever is lower shall be applicable paid. In case Bidder has opted for GST Composition Scheme, the same may be stated explicitly both in their technical and price bids.		
iii	Any other taxes & duties not covered anywhere above may be indicated separately.		
iv	Taxes deducted at source: TDS as per the extant statute shall be recovered. In case vendor does not provide PAN details/concessional certificates, the TDS deduction shall be at the maximum percentage stipulated as per the provisions of Income Tax Act.		Non-Deviatable
B.	Foreign Purchase (Imports):		
i	The offered price shall be inclusive of all the Taxes and duties as applicable in country of bidder / country of dispatch for the quoted CIP price.		Non-Deviatable
ii	Taxes deducted at source: TDS as per the extant statute shall be recovered. In case vendor does not provide PAN details/concessional certificates, the TDS deduction shall be at the maximum percentage stipulated as per the provisions of Income Tax Act.		Non-Deviatable

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INSTRUCTIONS TO BIDDER (ITB)			
S. No.	DETAILED TERMS & CONDITIONS	VENDOR RESPONSE (YES/NO)	DEVIATIONS / COMMENT
11	Payment Terms: Unless otherwise specified in Special Conditions, following shall be the terms of Payment.		
A.	<u>Indigenous:</u> 100% payment along with taxes, freight & insurance will be made with in 75 days from the date of receipt of complete documentation as per PO. However payment would be done only after receipt of original documents, including site/ Customer acknowledgement on LR (MRC - Material Receipt Certificate at site) / GR clearance at BHEL Stores. For MSEs (covered under MSME Act) which are registered and periodically renewed with BHEL, this period will be 45 days* as prescribed in the relevant act. Adherence to the above time schedule of payment is contingent upon Vendor complying with GST provisions and availment of Input Tax Credit by BHEL before the date of payment. *The taxes that are reimbursed would be the ones applicable as on the contractual Purchase Order delivery date or the amount actually paid whichever is less. 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 reason not attributable to BHEL, GST amount shall be recoverable from Vendor along with interest levied/ leviable on BHEL.		
B	<u>Imports:</u> i) 100% payment (less Indian Agency Commission, if any) shall be paid through “Usance Letter of Credit / Cash Against Documents (CAD) / Wire Transfer” with a credit period of 60 days. ii) LC will be opened after successful completion of pre dispatch inspection prior to the scheduled / agreed delivery date LC will be opened within 7 working days from the date of request.		
C	<u>Note:</u> 1) No advance payment is acceptable. However, in exceptional/rare cases, BHEL at its discretion, may consider advance payment against Bank Guarantee valid up to receipt of material at BHEL for 110% of advance amount issued / confirmed by any of the BHEL consortium banks. 2) Wherever EMD (Earnest Money Deposit) is applicable, it may be noted that no interest will be paid on EMD and the EMD will be paid back to unsuccessful bidders within fifteen days after award of the contract. Successful bidder's EMD will be converted to SD (Security Deposit). Tender Cost wherever applicable is not refundable.		Non-Deviatable
12	Penalty clause: In the event of delay in supply of goods, penalty of 0.5% per week or part there of shall be levied on the undelivered portion subject to a maximum of 10% of the order value. Penalty amount so determined along with applicable GST thereon shall be recovered.		
13	Excess materials supplied beyond tolerance limit as specified in PO, will not be accounted for.		Non-Deviatable
14	Rejected materials , if any, shall be collected by the vendor within 90 days of such communication to the vendor .Beyond 90 days a ground rent of 0.25 % of the value of the material per week will be levied for a maximum period of two weeks.. Beyond this period the supplier forfeits their right to the materials.		Non-Deviatable

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INSTRUCTIONS TO BIDDER (ITB)			
S. No.	DETAILED TERMS & CONDITIONS	VENDOR RESPONSE (YES/NO)	DEVIATIONS / COMMENT
15	Guarantee / Warranty Period : (Deviation to this clause is not acceptable.) Wherever required, and so provided in the specifications/Purchase Order, the seller shall guarantee that the goods supplied shall comply with the specifications laid down, for materials, workmanship and performance. If within the guarantee period, the delivery is found to be non-complaint, the seller shall on his own account, replace repair, or re-execute the delivery at Purchaser's discretion on the purchaser's first request or within the mutually agreed period, without prejudice to Purchaser's other legal rights. If the seller continues to default on their obligations, purchaser has the right to proceed to replace, repair or re- execute the order at the seller's expense, with or without help from third parties. Purchaser shall notify the seller of the exercise of this right in advance where ever possible. Unless otherwise specified, guarantee period shall be 12 months from the date of commissioning or 18 months from the date of supply/replacement whichever is earlier. For bought out packages which are intended to be incorporated in installations or systems the guarantee period shall not start until the time the installations or systems are commissioned, provided always that the period ends not later than 30 months after the date of supply of the goods. The guarantee period shall be extended by the period during which the goods are not in compliance. A guarantee period as described above shall apply afresh to replaced, repaired or re-executed parts of a delivery.		Non-Deviatable
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.16. The Vendors may specifically note the following:			
16	Evaluation and Loading Criteria:		
A	Evaluation of prices shall be done item-wise unless otherwise specified in the enquiry. 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). For evaluation, 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.		
B	In case of foreign bidders, the quoted CIP price shall be loaded by the following factors to arrive at the Delivered Cost:		
i	- Import duty as applicable at the time of Price/ Part-II bid opening.		
ii	- Port handling/ clearing charges & inland freight and insurance: @ 5% of CIP value (10% for plates, pipes & structurals).		
iii	In other cases subject to acceptance by BHEL, loading for various factors (in addition to above) as the case may be will be done as follows: 0.5% for unloading at Port of Destination Marine Freight 4% and Marine Insurance 1% (9% and 1% towards Freight and Insurance respectively for Plates, Pipes, Rounds & Structural)		
C	Incase of Indigenous Bidders, Ex-works offers received (as against FOR Destination mentioned in enquiry) shall be loaded by 4% of Ex-works value (9% for plates, pipes, rounds & structurals) unless otherwise mentioned in enquiry.		
D	Deviated Penalty: Any loading on penalty clause shall be 10% or to the extent to which the vendor has opted for deviation.		
E	Deviated Payment Terms: Terms: In case BHEL considers any deviation in payment terms, the bids shall be loaded with 18% interest per annum to the extent of deviation.		
17	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.		
18	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.		
19	INTEGRITY PACT: Vendors shall have to enter into Integrity Pact with BHEL as per attachment - for order value of rupees five crores and above and shall be signed by the competent authority before the issue of purchase order, failing which vendor's offer will be rejected.		

(Attachment to Enquiry No. D3A1S900091 Due on Date 07.08.2019 for submission by 11.00 hrs to open from 14.00 hrs.)	
INSTRUCTIONS TO BIDDER (ITB)	
20	Make in India For this Procurement , Public Procurement (Preference to Make in India) , Order 2017 dated 15.06.2017 & 28.05.2018 and subsequent Orders issued by the respective Nodal Ministry shall be applicable even if issued after issue of the NIT but before finalization of Contract / PO/ WO against this NIT . In the event of any Nodal Ministry prescribing higher or lower percentage of Purchase preference and / or local content in respect of this procurement , same shall be applicable . Preference to Make in India including counter offering will be as per the Public Procurement (Preference to Make in India) , Order 2017 available in the following links https://dipp.gov.in/sites/default/files/publicProcurement_MakeinIndia_15June2017.pdf https://dipp.gov.in/sites/default/files/Revised-PPP-MII-Order-2017_28052018.pdf Proforma for self certification for minimum local content and auditor's certification is given in Annexure III .
21	Benefits earmarked for Purchase from Micro & Small Enterprises (MSEs) – Indigenous Purchase
21 A	Tender documents to the NSIC registered vendors (If registered for tendered items) shall be issued free of cost & no EMD wherever called for will be insisted upon. NSIC registered unit bidders shall submit along with bid relevant documents including valid NSIC certificate. 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 supplier till the supplier submit these documents.
21 B	In tender, participating 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 up to 20% of total tendered value. In case of more than one such MSE, the supply shall be shared proportionately. A quantum of 4% out of 20% quantity, so earmarked, will be reserved for MSE's owned by SC / ST entrepreneurs who submit their bid with relevant documents. applicable in case of item-level evaluation tenders.
21 C	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.
22	Startups : For Startups Medium Enterprises, 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 earnest money deposit .
23	For Claiming Payments for goods received at BHEL works / Site from Vendors' Works): - Original of Invoice marked as ORIGINAL FOR RECIPIENT - Duplicate of Invoice marked as DUPLICATE FOR TRANSPORTER - Packing List - clearly showing number of packages, gross weight and net weight. - Warranty/Guarantee certificates (If applicable as per PO terms) - Insurance certificate - Third Party Inspection Certificates. - LR Copy signed & stamped by Site incharge / Customer for site deliveries) (For material received at BHEL payment will be made against GR for accepted quantity)
24	Inspection Measuring and Test Equipment (IMTE) whether used by the Seller / Contractor or sub-contractor shall be calibrated, maintained and controlled. Calibration shall be valid and IMTE maintained in sound condition during usage.
25	ISO-9001, ISO14001 and OHSAS 18001 shall be complied
26	Applicable Conditions :These General conditions of Contract for Purchase apply to all enquiries, tenders, request for quotations, orders and agreements concerning the supply of goods and the rendering of related services (hereinafter referred to as “deliverables”) to Bharat Heavy Electricals Limited, Ramachandrapuram, Hyderabad (hereinafter referred to as “BHEL” or the Purchaser) or its projects/customers. Any deviations from or additions to these General conditions of contract for Purchase' require Purchaser's express written consent. The general terms of business or sale of the Seller shall not apply to Purchaser. Orders, agreements and amendments thereto shall be binding if made or confirmed by the Purchaser in writing. Only the Purchasing department of the Purchaser is authorized to issue the Purchase order or any amendment thereof.
27	Being PMD Vendor, if you are not quoting against this tender enquiry, please send your regret letter positively for our reference with valid reasons for not participating in the tender enquiry. Repeated lack of response on the part of bidder may lead to deletion such PMD vendor from BHEL's approved vendor list. Vendor shall ensure that PAN details are available/updated with BHEL, else vendor shall attach PAN details with enquiry failing which offer shall be liable for rejection.

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INSTRUCTIONS TO BIDDER (ITB)	
28	Kindly quote your prices in figures and words both. In case of any discrepancy in value, the prices quoted in words shall be considered for evaluation and establishing L1 Status.
29	Any discount / revised offer / bids submitted by a bidder on its 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.
30	The bidder whose bid is technically not accepted will be informed & EMD wherever submitted shall be returned after finalization of contract. EMD shall be forfeited in the event of bidder opting out after tender opening.
31	In case of abnormal delays (beyond the maximum late delivery period as per Penalty clause) in supplies / defective supplies or non-fulfillment of any other terms and conditions given in Purchase Order, BHEL may cancel the Purchase Order in full or part thereof, and may also make the purchase of such material from elsewhere / equivalent market price at the risk and cost of the supplier. BHEL will take all reasonable steps to get the material from alternate source at optimum cost. If bidder does not agree to the above Risk Purchase Clause, BHEL reserves the right to reject the offer. Nonperformance of contract attracts penal provisions inline with BHEL's Suspension of Business dealings.
32	Any other terms and conditions of the bidder attached / referred against the tender enquiry will not be considered.
33	All drawings as also all patterns and tool 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 only be used in the execution of BHEL's orders.
34	Any amount payable by the consignor / supplier under any of the condition of this contract shall be liable to be adjusted against any amount payable to the consignor / supplier under any other work / contract awarded to him. This is without prejudice to any other action as may be deemed fit by BHEL.
35	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, shall be rejected. The list of firms banned by BHEL is available on BHEL web site www.bhel.com .
36	Definitions
Throughout these conditions and in the specifications, the following terms shall have the meanings assigned to them, unless the subject matter or the context requires otherwise.	
36 A	'The P Purchaser' means BHEL-HPEP, Ramachandra puram, 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.
36 B	'The seller' means the persons, firm, company or organization on whom the Purchase order is placed and shall be deemed to include the seller's successors, representatives, heirs, executors and administrator as the case may be. It may also be referred to as Contractor, supplier or vendor.
36 C	'Contract' shall mean and include the Purchase order incorporating various documents viz., tender/offer, letter of intent/acceptance, the General Conditions of contract and special conditions of contract for Purchase, specifications, inspection/quality plan, schedule of prices and quantities, drawings, if any enclosed are to be provided by the Purchaser 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 specific conditions, special conditions of contract and general conditions of contract for commercial conditions; and specific agreement on technical conditions, special technical conditions and general technical conditions, tender/ offer.
37	'Parties to the contract' shall mean the seller and the purchaser as named in the main body of the Purchase Order.
38	Ordering and confirmation of order: The seller shall send the order acceptance in Toto within one week from the date of LOI / Purchase order or such other period as specified/agreed by the Purchaser. Purchaser reserves the right to revoke the order placed if the order confirmation differs from the original order placed. Purchaser shall only be legally bound if agreed explicitly in writing to be in agreement with the deviation. The acceptance of deliverables or supplies by Purchaser as well as payments made in this regard shall not imply acceptance of any deviations. The Purchaser 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 Purchaser) from the date of P.O. Purchaser, 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.
39	Execution: The whole contract is to be executed in the most workman like manner, substantial and approved as per the contracted terms.

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INSTRUCTIONS TO BIDDER (ITB)	
40	<u>Progress Report:</u> The seller shall render such report as to the progress of work and in such form as may be called for by the Purchaser from time to time. The submission and acceptance of such reports shall not prejudice the rights of the purchaser in any manner. Seller shall communicate to BHEL immediately, change of address, ownership, contact person(s), the mobile numbers and e-mail of the dealing person concerned. Milestones shall be periodically updated by vendor/subcontractor through PRADAN Portal (https://web.bhelhyd.co.in/mm/). Non updation will adversely affect service rating of vendor performance.
41	Product information, Drawings and documents / Non-disclosure and Information Obligations: 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. The seller 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 Purchaser to erect, commission, operate and maintain the product. Such information and drawings shall be supplied in the number of copies agreed upon or at least three copies of each. 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. The seller shall provide Purchaser with all information pertaining to the delivery in so far as it could be of importance to Purchaser. The seller 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 Purchaser has agreed to this in writing beforehand. The seller shall not be entitled to use the Purchaser's name in advertisements and other commercial publications including website without prior written permission from Purchaser. 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 Annexure- II wherever applicable.
42	Inspection and Testing: The goods and stores shall be manufactured by approved quality system and each part/component may be inspected and tested by the Purchaser prior to shipment and shall fully comply with relevant requirements of Purchaser.
42 A	Purchaser has the right to inspect at any stage during manufacture/ delivery. In the event of rejection, Purchaser shall inform the seller accordingly and Purchaser shall be entitled to replacement or repair at his discretion or may proceed to terminate or cancel the agreement. All this, does not affect Purchaser's right to recover compensation.
42 B	Purchaser or his authorized representative shall be entitled at all reasonable times during execution to inspect, examine and test at the seller'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 seller shall obtain for purchaser or his authorized representative permission to inspect, examine and test as if the said stores are being manufactured at the seller's premises. Such inspection, examination and testing, if made shall not release the seller from any obligation under the contract. For indigenous suppliers all costs related to first inspection request shall be borne by the purchaser and the cost of subsequent inspections due to non-readiness of material / rework / rejections shall be borne by the seller. In case of imports all inspection charges including third party inspections if any shall be borne by the seller. The cost of inspection staff/third party specified by the Purchaser shall be borne by seller unless otherwise specifically agreed. Whether the contract provides for tests on the premises of the seller or any of his sub-contractor/s, seller 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 seller unless otherwise specifically agreed in the contract. The Seller shall give the authorized representative of the purchaser 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 be strictly be complied with for the time lines. Any delay in submission of the documents by the vendor will not alter the delivery date.
43	Quality and Condition of the Deliverables: The seller shall be responsible for compliance with applicable technical, safety, quality, environmental requirements and other regulations in relation to his products, packaging and raw and ancillary materials.
44	Packaging and Dispatch: The seller 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 enquiry shall be fully complied. Each package must be marked with consignee name, P.O. number Package No. gross weight & net weight, dimensions (LxBxH) and seller'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 of goods inside each package with P.O. item No. & 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 confirm to relevant regulations.

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INSTRUCTIONS TO BIDDER (ITB)	
45	Delivery:
	Except as otherwise indicated in the Purchase order, delivery shall be FOR (Destination) for indigenous orders and CIP for imported orders. The delivery date (s) or delivery period (s) as stipulated in the agreement shall be firm and binding and shall apply to the entire delivery for each P.O. item. Partial shipments may however, be permitted by the purchaser on prior intimation from the Seller. Unless specifically agreed otherwise, transit insurance coverage will only be within India for imported consignments by BHEL. Accordingly, the seller shall send an intimation to the Purchase officer/Manager giving Purchase Order No., shipping particulars, Invoice value etc., immediately on dispatch of goods.
46	Penalty:
	The time or period of delivery as stipulated in the schedule of delivery shall be deemed to be the essence of the contract. Should circumstances arise whereby the deadline for an agreed delivery date(s) or period(s) is expected to be exceeded, the seller shall inform Purchaser hereof without delay. If delay in delivery is caused by any of the circumstances mentioned in clause 52 (Force Majeure) or which are caused exclusively by the acts of Purchaser, the Purchaser shall extend the time for delivery by a period which is reasonable having regard to all the circumstances in the case. If the Seller delays beyond any agreed delivery date(s) or period(s), Purchaser shall levy penalty for such delay @ 0.5% per week (7 days) or part thereof on delayed portion of the order value subject to a maximum of 10% of the value of the Purchase Order. However, penalty for delayed delivery will be calculated on 100% of the purchase order value if the material supplied cannot be put to intended use. The penalty will be charged on the value of the purchase order excluding statutory levies, freight and insurance wherever not included in the price. Penalty amount so determined along with applicable GST thereon shall be recovered. Imposition, recovery or settlement of this penalty shall not affect Purchaser's right to performance, compensation and termination of the agreement. For delay analysis, period referred in Annexure-I will be considered as standard time lines for various major activities.
47	Transfer of Ownership and Risk:
	The risk for the delivery remains with the seller until the goods are delivered at the agreed place. However ownership shall get transferred as per terms of purchase order in line with INCOTERMS.
48	Price, invoicing and payment:
	The agreed prices are fixed prices in the currency as specified in the Purchase Order. They shall include packing, forwarding , loading and carriage to the place specified by the purchaser and are exclusive of all applicable taxes, duties etc., except for those specifically agreed by the Purchaser. Invoices shall be submitted bearing the Purchase Order number & date, item number/s and supporting documents as called for in the Purchaser order. The direct payments (including LC/documents through Bank on collection basis), shall be made by E-payment mode and not by cheque /bank drafts except in special circumstances. Vendors shall furnish the E-payment particulars in the prescribed formats duly authenticated by their respective Bankers, If not got registered earlier with the Buyer. Invoice has to be raised quoting HSN Code of Goods or Accounting Code of Services. Invoice should mention BHEL-HPEP-HYDERABAD GSTIN: 36AAACB4146P1ZG or GSTIN of BHEL Nodal Agency as mentioned in PO.
	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 prevailing on the date of tender opening (part 1 in case of two part bid), after successful completion of the contract. If so stipulated in the order, the seller shall furnish, on receipt of the Purchase Order or along with order acknowledgement, the billing break-up of prices (BBU) for approval by the purchaser in respect of the major items/components going into the equipment. This BBU is required by the Purchaser for admitting the claims of the seller if part shipments are contemplated and also to facilitate custom clearance after payment of duties in case of imports. In case of delay in receipt of supporting document details, consequential demurrage/wharf age/detention charges shall be to the account of the seller. Payment does not imply in any respect whatsoever a waiver of Purchaser's right to performance of the agreement. Purchaser is entitled to set off claimable debts against claimable liabilities with the seller by means of a setoff Note.
49	Contract variations; Increase or decrease in the scope of supply:
	Purchaser may vary the contracted scope during execution due to exigencies of project requirement. If the seller is of the opinion that the variation has an effect on the agreed price or delivery period, Purchaser 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 seller. Provided, that if unit rates are available in the contract, the same shall be applied to such additional work. The seller shall not perform additional work before purchaser has issued written instructions/amendment to the purchase order to that effect. The work which the seller 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 vendor without any price implication.

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INSTRUCTIONS TO BIDDER (ITB)	
50	Short shipments/ warranty/guarantee replacements:
	In case of any short shipment during initial supply which is subsequently dispatched by the seller 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. Taxes, if any paid by indigenous vendor for short supply, guarantee /warranty replacement, repair activity shall be to vendor’s account only. Vendor has to raise a credit note for short supplied quantity as per GST provisions.
51	Rejection/Replacement:
	The seller shall arrange replacement / repair under its obligation under the contract within one month from the date of intimation or mutually agreed period. The rejected goods shall be taken away by the seller and replaced on DDP/FOR-BHEL Stores/designated destination basis within such period. In the event of the seller’s failure to comply. Purchaser may take appropriate action including disposal of rejections, at the cost and risk of the seller. Vendor has to raise a credit note for rejected quantity as per GST provisions.
	In case defects attributable to seller are detected during processing of the goods at purchaser’s / his subcontractor works, the seller shall be responsible for replacement /repair of the goods as required by the purchaser at seller’s cost.
52	Export Administration Regulations:
	If a delivery includes such technology and / or supply that is subjected to the export regulations the seller shall obtain due permissions, approvals, license etc.
53	Cancellation / Termination of Contract and Risk Purchase:
	Purchaser shall have the right to completely or partially terminate the agreement by means of written notice to that effect without prejudicing their other rights in the event that : - The seller is declared bankrupt, its business has been shut down or liquidated, a substantial part of its assets have been attached/destroyed, or the business has been transferred to a third party. - Any misrepresentation or hiding of material fact if detected at a later stage. - The delivery is rejected after inspection or re-inspection. In the event of termination, the risk of the items already delivered but not of use to Purchaser, as determined by purchaser, remains with the seller. The items shall then be at the seller’s disposal and they are to be collected by the seller. The seller shall refund any payments made by purchaser in terms of the terminated agreement immediately, not later than 30 days. In the event of Cancellation/ termination of contract, BHEL reserves the right to procure the items which are not delivered as per PO and charge the excess cost from the defaulting seller. Incase the excess cost is not repaid by or recovered from the defaulting seller within 30 days, apart from legal recourse for effecting such recoveries, Penal action in line with BHEL's Suspension of Business dealings will be taken.
54	Force Majeure
	The supplier 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. 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 supplier to BHEL by registered letter/courier service immediately without loss of time. 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. In the event of such cancellation the supplier shall refund any amount advanced or paid to the supplier by BHEL and deliver back any material issued to him by BHEL and release facilities, if any provided by BHEL.
55	Non-waiver of Defaults
	If any individual provision of the contract is invalid, the other provisions shall not be affected.
56	Settlement of Disputes
	Except as otherwise specifically provided in the contract, all disputes concerning questions of the facts arising under the contract, shall be decided by the Purchaser, subject to written appeal by the seller to the purchaser, whose decision shall be final.
	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.
	The seller shall continue to perform the contract, pending settlement of disputes(s).

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INSTRUCTIONS TO BIDDER (ITB)	
57	Arbitration & conciliation clause and Interest clause: (1) 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, validity or execution of the contract; or, the respective rights and liabilities of the parties; or, in relation to interpretation of any provision of the contract; or, in any manner touching upon the contract, then, either party may, by a notice in writing to the other party refer such dispute or difference to the sole arbitration of an arbitrator appointed by head of the BHEL unit issuing the contract. 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 at Hyderabad. The cost of arbitration shall be borne as per the award of the Arbitrator. Subject to the arbitration in terms of clause 55, 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. In case of contract with Public Sector Enterprise (PSE) or a Government Department, the following shall be applicable: In the event of any dispute or difference relating to the interpretation and application of the provisions of the contract, such dispute or difference shall be referred by either party for arbitration to the sole arbitrator in the Department of Public Enterprises to be nominated by the secretary to the Government of India in-charge of the Department of Public Enterprises. The Arbitration and Conciliation Act, 1996 shall not be applicable to arbitration under this clause. The award of the arbitrator shall be binding upon the parties to the dispute, provided, however, any party aggrieved by such award may make further reference for setting aside or revision of the award to the Law Secretary, Department of Legal Affairs, Ministry of Law and justice, Government of India. Upon such reference the dispute shall be decided by the Law secretary or the special Secretary or Additional secretary when so authorized by the Law secretary, whose decision shall bind the parties hereto finally and conclusively. The parties to the dispute will share equally the cost of arbitration as intimated by the arbitrator. (2) INTEREST CLAUSE: In order to bring uniformity in all the contracts / agreements entered between BHEL and its contractors / vendors / suppliers / service providers etc., it is hereby advised to incorporate the following clause in all tenders and agreements. “No interest shall be payable by BHEL on earnest money or security deposit or any money due to the contractor by BHEL.”
58	Applicable Laws and jurisdiction of Courts
	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.
59	BHEL-Fraud prevention policy shall be adhered to.
	The Bidder along with its associate/ Collaborators/ Sub-contractors/ sub-vendors/ consultants/ service providers shall strictly adhere to BHEL Fraud Prevention policy displayed on BHEL Website http://www.bhel.com and shall immediately bring to the notice of BHEL management about any fraud or suspected fraud as soon as it comes to their notice.
	Fraud prevention policy and list of nodal officers is hosted on BHEL Hyderabad website web.bhelhyd.co.in .
Note: Purchase officer has to fill Annexure-I while sending enquiry	

PRE-QUALIFICATION CRITERIA				
Welded Titanium tubes for Surface condenser				
Enquiry No.				
S. No.	BHEL Requirement	Confirmation	Deviation/Remarks	
1	All the suppliers need to submit this document i.e. titled pre-qualification criteria and furnish required information along with offer.			
	a) Name, address, e-mail id, contact no.etc. of manufacturing mill for Welded Titanium tubes.			
	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 shall 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.			
2	Supplier to confirm/provide the following criteria/documents for evaluation of offer.			
	(a) The supplier shall have proven experience in manufacturing and supply of Welded Titanium tubes for Condenser / Heat Exchangers supplied in plant/ petrochemical industry as mentioned below.			
	i) Material : SB 338 Gr2 (Welded)			
	ii) Tube O.D. : Dia.15.875mm to 25.4mm			
	iii) Tube Length : Minimum 3000mm			
	iv) Tube Thickness : Minimum 0.7mm or above			
	v) Minimum tonnage supplied : 2 tonnes			
	vi) Application : Condenser / Heat Exchangers.			
	vii) Service : Power plant/Petrochemical			
	viii) Satisfactory Working of equipment : At least one year in a power plant/ petrochemical industry ending lastday of month previous to the one in which enquiry floated.			
	ix) The supplier shall be an original Welded Titanium Tube manufacturer. All the facilities required for manufacturing Welded titanium tubes shall be readily available with the vendor. Ex. Bright Annealing facility, online (or) offline eddy current testing facility, pneumatic testing facility etc.			
	x) A subsidiary or JV can offer referred tubes, provided it has technology, manufacturing process and facilities, established under the guidance and approval of parent company/partner who fulfils the criteria stated above in 2(a)(i) to 2(a)(vii). The bidder must have executed at least one purchase order or more for welded Ti tubes specified in 2(a) (i) to 2(a) (ix). In case of 100% subsidiary company, the firm shall furnish a certificate of undertaking from parent company that Manufacturing process technology and raw material source, have been validated and qualified by the parent company for the subsidiary in line with the group standards to ensure product quality. The certificate above, shall be submitted along with the offer. Also the subsidiary shall furnish the regular surveillance audit reports conducted by the parent company at least once in a year. Further the parent company/partner shall provide all technical support, guidance during the manufacture of the subject tubes and also shall conduct a surveillance audit during the manufacture of the tubes. In case of a JV, JV and parent company shall furnish DJU (Deed of Joint Undertaking) in which executants of the DJU shall be jointly and severally liable for the successful performance of the product. The DJU shall be submitted along with the offer.			
	xi) All the above criteria [2(a) (i)] to [2(a) (ix)] must be combindly met by the supplier against a single supply reference of Welded Titanium tubes.			

S. No.	BHEL Requirement	Confirmation	Deviation/Remarks
2	Supplier's having experience in applications other than Condensers/Heat exchangers in a Power plant/petro chemical industry will not be treated as a proven experience.		
	(b) The supplier meeting all the above criteria as [2 (a) (i)] to [2 (a) (ix)] shall furnish details of such supplies only as indicated above in Sl. no 2 (a) including equipment (Condenser/ Heat exchangers) Manufacturer's Name, Industry/power plant name, date of supply (in DDMMYY format), No of years the equipment (Condenser/ Heat exchangers) is in service, Size of tube(ODxthkxL), Quantity and full contact details of equipment (Condenser/ Heat exchangers) Manufacturer & end user. (including Mobile no and e-Mail ID). OR Heat exchanger manufacturers certificate (in English) containing the supply details as above both 2(a) & 2 (b) Contact details [Land line/Mobile No.] and complete address of Heat exchanger manufacturer may be furnished. Vendors who have already supplied Titanium welded tubes (for Condenser) to BHEL-Hyd are exempted from furnishing the above documents if their supply records are available with BHEL. However they have to meet all other requirements of this PQC. <u>Note</u> : Suppliers shall furnish minimum 1 and maximum upto 6 number of latest customer reference details as indicated above in the attached annexure-I. Details furnished in any other format shall not be considered. All the documents shall be furnished only in English. Documents furnished in other languages will not be considered for further evaluation.		
	(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, the offer will be technically rejected.		
3	The vendors shall register with BHEL through online vendor registration portal available in BHEL website (www.bhel.com) and submit the application online against PMD: D.PT.018 . Copy of the same shall be submitted along with the offer. (Applicable for vendors who are not registered in BHEL -HPEP, R. C. Puram against the subject item PMD)		
4	Offers without the requirement as above 2(a) & 2(b) may not be technically evaluated by BHEL. Further, no correspondence on this matter will be entertained.		
5	The vendors shall furnish the detailed process of manufacturing and testing procedures along with the offer.		
6	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.		
7	BHEL team may carry out vendor evaluation/assessment(incase of a new vendor)by a visit to vendor works for qualifying /rejecting the technical bid based on the findings of the visit.		
8	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.		

Condenser/ Heat exchanger(HE) Welded Titanium tube reference details													
Enquiry no.:													
Ref project sl no.	Material SB 338 Gr2 (Welded)	OD mm (15.875mm to 25.4mm)	Thk (min 0.7mm)	Supply date (DDMMYYYY)	Condenser/HE application?	Condenser manufacurer details			End customer details				
						Supplied to (Condenser/HE manufacturer's name)	Contact person	E-Mail id &Phone no	Name of the organisation (Enduser)	Project Details Name: MW Rating: Location	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 material shall be SB338 Gr2(Welded). Other tube material shall be considered as INVALID Reference.

c) Reference project Tube OD shall be 15.875 mm (5/8 inch) to 25.4 mm(3/4 inch).Other tube shall be considered as INVALID Reference.

d) Reference project Tube thickness shall be 0.7 mm minimum.Tube thickness less than 0.7 mm shall be considered as INVALID Reference.

e) Clause no 2(a) (i) to 2(a) (ix) of PQC must be combinedly met by the vendor against a single supply reference of Welded Titanium tubes.Maximum of 06 such references may be mentioned in the above table.

vendor's signature with seal

GUIDELINES FOR REVERSE AUCTION-2016 *enabling*

Execution, Consolidation, Simplification (ECS)

(AA:SSP:RA:03)

Issued on 26.09.2016

**Sourcing Strategy & Policy
Corporate Operations Management
BHEL, New Delhi**

Annexure – I**Business Rules for Reverse Auction**

This has reference to tender no {-----}. BHEL shall finalize the Rates for the supply of {item name} through Reverse Auction mode. BHEL has made arrangement with Service Provider who shall be BHEL's authorized service provider for the same. Bidders should go through the instructions given below and submit acceptance of the same.

The technical & commercial terms are as per (a) BHEL Tender Enq. No. {-----}, (b) Bidders' technical & commercial bid (in case of two-part bid) and (c) subsequent correspondences between BHEL and the bidders, if any.

1. Procedure of Reverse Auctioning

- i. **Online Sealed Bid:** This duration of online sealed bid will be {-----} minutes. All bidders to submit their online sealed bids during this period.
- ii. **Online Reverse Auction:** The 'opening price' i.e. start price for RA and 'bid decrement' will be decided by BHEL.
- iii. If BHEL decides the lowest online sealed bid as the starting price, then the lowest bidder in online sealed bid shall be shown as current L1 automatically by the system and no acceptance of that price is required. System shall have the provision to indicate this bid as current L1.
- iv. Bidders by offering a minimum bid decrement or the multiples thereof can displace a standing lowest bid and become "L1" and this continues as an iterative process.
- v. After the completion of the online reverse auction, the Closing Price (CP) shall be available for further processing.

2. **Schedule for Reverse Auction:** The Reverse Auction is tentatively scheduled on {-----} and the duration of online sealed bid will be {-----} minutes. All bidders to submit their online sealed bids during this period.

- Online Sealed Bid:-

- *Start Time:* {-----}
- *Close Time:* {-----}

- Online Reverse Auction:-

- *Start Time:* {-----}
- *Close Time:* {-----}

3. **Auction extension time:** If a bidder places a bid in the last {-----} minutes of closing of the Reverse Auction and if that bid gets accepted, then the auction's duration shall get extended automatically for another {-----} minutes, for the entire auction (i.e. for all the items in the auction), from the time that bid comes in. Please note that the auto-extension will take place

only if a bid comes in those last {-----} minutes and if that bid gets accepted as the lowest bid. If the bid does not get accepted as the lowest bid, the auto-extension will not take place even if that bid might have come in the last {-----} minutes. In case, there is no bid in the last {-----} minutes of closing of Reverse Auction, the auction shall get closed automatically without any extension. However, bidders are advised not to wait till the last minute or last few seconds to enter their bid during the auto-extension period to avoid complications related with internet connectivity, network problems, system crash down, power failure, etc.

The above process will continue till completion of Reverse Auction.

Complaints/ Grievances, if any, regarding denial of service or any related issue should be given in writing thru e-mail/ fax to Service Provider with a copy to BHEL within 15 minutes prior to initial closing time of Online Reverse Auction.

4. **Bid price:** The Bidder has to quote the **FOR BHEL Price (or) CIP Mumbai**, Price inclusive of Packing & Forwarding charges, all the routine & type tests as per tender scope, ED + cess, CST against C-form, Freight (bidder to provide original Freight paid receipt), insurance charges, etc. including loading (if indicated by BHEL due to deviations in technical/ commercial terms) for the Items specified. Details are as shown in Excel Sheet for calculation of total cost to BHEL (To be specified by Unit as per NIT conditions).
5. **Bidding currency and unit of measurement:** Bidding will be conducted in *Indian Rupees per Unit* of the material as per the specifications.

In case of foreign currency bids, exchange rate (TT selling rate of State Bank of India) as on scheduled date of tender opening (Part-I bid) shall be considered for conversion in Indian Rupees. 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.
6. **Validity of bids:** Price shall be valid for {-----} from the date of reverse auction. These shall not be subjected to any change whatsoever.
7. **Lowest bid of a bidder:** In case the bidder submits more than one bid, the lowest bid at the end of Online Reverse Auction will be considered as the bidder's final offer to execute the work.
8. Bidders shall be assigned a **Unique User Name & Password** by Service Provider. Bidders are advised to change the Password and edit the information in the Registration Page after the receipt of initial Password from Service Provider to ensure confidentiality. All bids made from the Login ID given to the bidders will be deemed to have been made by the bidders / bidders' company.

9. **Post auction procedure:** BHEL will proceed with the Lowest Bid in the Reverse Auction for further processing.
10. Any commercial/ technical loading shall be intimated to bidders prior to RA. The excel sheet provided in this regard shall cover all these aspects. Commercial/ technical loading if any, shall be added by the respective bidder in its price during online sealed bid & Online Reverse Auction. Modalities of loading & de-loading shall be separately intimated to the bidders. The responsibility for correctness of total cost to BHEL shall lie with the bidders.
11. Computerized reverse auction shall be conducted by BHEL (through Service Provider), on pre-specified date, while the bidders shall be quoting from their own offices/ place of their choice. Internet connectivity shall have to be ensured by bidders themselves.

During the RA process if a bidder is not able to bid and requests for extension of time by FAX/ email/ phone then time extension of additional 15 minutes will be given by the service provider provided such requests come before 5 minutes of auction closing time. However, only one such request per bidder can be entertained.

Despite this extension if bidder fails to upload his prices due to extreme case of failure of Internet connectivity, (due to any reason whatsoever may be) it is the bidders' responsibility/ decision to send fax communication immediately to Service Provider furnishing the price the bidder wants to bid online with a request to the service provider to upload the faxed price online so that the service provider will upload that price online on behalf of the Bidder. It shall be noted clearly that the concerned bidder communicating this price to service provider has to solely ensure that the fax message is received by the service provider in a readable/ legible form and also the Bidder should simultaneously check up with service provider about the clear receipt of the price faxed. It shall also be clearly understood that the bidder shall be at liberty to send such fax communications of prices to be uploaded by the service provider only within the closure of Bid time and under no circumstance it shall be allowed beyond the closure of Bid time /reverse auction. It shall also be noted that the service provider should be given a reasonable required time by the bidders, to upload such prices online and if such required time is not available at the disposal of the Service provider at the time of receipt of the fax message from the bidders, the service provider will not be uploading the prices and either BHEL or the service provider are not responsible for this unforeseen circumstances. In order to ward-off such contingent situation bidders are requested to make all the necessary arrangements/ alternatives whatever required so that they are able to circumvent such situation and still be able to participate in the reverse auction successfully. Failure of power or loss of connectivity at the premises of bidders during the Reverse auction cannot be the cause for not participating in the reverse auction. On account of this, the time for the auction cannot be extended and neither BHEL nor Service Provider is responsible for such eventualities.

12. Proxy bids: Proxy bidding feature is a pro-bidder feature to safeguard the bidder's interest of any internet failure or to avoid last minute rush. The proxy feature allows bidders to place an automated bid in the system directly in an auction and bid without having to enter a new amount each time a competing bidder submits a new offer. The bid amount that a bidder enters is the minimum that the bidder is willing to offer. Here the software bids on behalf of the bidder. This obviates the need for the bidder participating in the bidding process until the proxy bid amount is decrementally reached by other bidders. When proxy bid amount is reached, the bidder (who has submitted the proxy bid) has an option to start participating in the bidding process.

The proxy amount is the minimum amount that the bidder is willing to offer. During the course of bidding, the bidder cannot delete or change the amount of a proxy bid.

Bids are submitted in decrements (decreasing bid amounts). The application automates proxy bidding by processing proxy bids automatically, according to the decrement that the auction originator originally established when creating the auction, submitting offers to the next bid decrement each time a competing bidder bids, regardless of the fact whether the competing bids are submitted as proxy or standard bids. However, it may please be noted that if a manual bid and proxy bid are submitted at the same instant manual bid will be recognized as the L1 at that instant.

In case of more than one proxy bid, the system shall bid till it crosses the threshold value of 'each lowest proxy bid' and thereafter allow the competition to decide the final L1 price.

Proxy bids are fed into the system directly by the respective bidders. As such this information is privy only to the respective bidder(s).

13. Bidders are advised to get fully trained and clear all their doubts such as refreshing of screen, quantity being auctioned, tender value being auctioned etc from Service Provider.
14. Service Provider shall arrange to demonstrate/ train the bidder or bidder's nominated person(s), without any cost to bidders. Service Provider shall also explain the bidders, all the business rules related to the Reverse Auction. Bidders are required to submit their acceptance to the terms/ conditions/ modalities before participating in the Reverse Auction in the process compliance form as enclosed. Without this, the bidder will not be eligible to participate in the event.
15. Successful bidder shall be required to submit the final prices (L1) in prescribed format (Annexure-VI) for price breakup including that of line items, if required, quoted during the Online Reverse Auction, duly signed and stamped as token of acceptance without any new condition (other than those already agreed to before start of auction), after the completion of auction to Service Provider besides BHEL within two working days of Auction without fail.

16. Any variation between the final bid value and that in the confirmatory signed price breakup document will be considered as tampering the tender process and will invite action by BHEL as per extant guidelines for suspension of business dealings (as available on www.bhel.com).
17. Bidders' bid will be taken as an offer to execute the work/ supplies of the item as per enquiry no. {...} dt. {...}. Bids once made by the bidder, cannot be cancelled/ withdrawn and bidder shall be bound to execute the work as mentioned above at bidder's final bid price. Should bidder back out and not execute the contract as per the rates quoted, BHEL shall take action as per extant guidelines for suspension of business dealings (as available on www.bhel.com).
18. Bidders shall be able to view the following on their screen along with the necessary fields during Online Reverse Auction:
 - a) Leading (Running Lowest) Bid in the Auction (only total price of package).
 - b) Bid Placed by the bidder.
 - c) Start Price.
 - d) Decrement value.
 - e) Rank of their own bid during bidding as well as at the close of auction.
19. BHEL's decision on award of contract shall be final and binding on all the Bidders.
20. BHEL reserves the right to extend, reschedule or cancel the Reverse Auction process at any time, before ordering, without assigning any reason, with intimation to bidders.
21. BHEL shall not have any liability to bidders for any interruption or delay in access to the site irrespective of the cause. In such cases, the decision of BHEL shall be binding on the bidders.
22. Other terms and conditions shall be as per bidder's techno-commercial offers and other correspondences, if any, till date.
23. If there is any clash between this business document and the FAQ available, if any, in the website of Service Provider the terms & conditions given in this business document will supercede the information contained in the FAQs. Any changes made by BHEL/ service provider (due to unforeseen contingencies) after the first posting shall be deemed to have been accepted if the bidder continues to access the portal after that time.
24. Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party. If the Bidder or any of his representatives are found to be involved in Price manipulation/ cartel formation of any kind, directly or indirectly by communicating with other bidders, action as per extant BHEL guidelines for suspension of business dealings (as available on www.bhel.com), shall be initiated by BHEL.

Annexure-II

Mandate to Service Provider

Ref : **Enquiry No.**

Date :

To,

Service Provider

Sub: Providing of Services for Reverse Auction.

Ref: No **Enquiry No. & Date**

Dear Sirs,

Please conduct Reverse Auction as per the following details:

- **Scope:** Auction event management with training of BHEL and its bidders.
- Ensure process compliance form from all the bidders before start of RA event. In case of postponement of event to some other date, ensure acknowledgement from each bidder.
- Price: Rs. {.....}/- . No other duties, Taxes, levies etc. except service tax @ {.....}% shall be payable for conducting reverse auction. This price is firm.
- Payment Terms: 100% payment after successful completion of Auction.
- Completion of Auction: The auction shall be deemed to have been successfully completed on receipt and acceptance of final report including hard copy of the final bid with price break up including that of line items, if any, duly signed by the successful bidder who has participated in the reverse auction. The bill shall be submitted along with the completion report to the undersigned.
- Business Rules of the Reverse Auction are as per Annexure-I
- The list of bidders with their contact details is given in Annexure-IV. and the details of the item (s) to be Reverse Auctioned are as per Annexure-V.
- Please acknowledge receipt of this letter order and also confirm that final report (duly signed and stamped by Service Provider) including hard copy of the final bid with breakup of prices including that of line items duly signed by the successful bidder (duly endorsed by Service Provider) shall be submitted within four working days of conclusion of auction.

Yours sincerely,
(for and on behalf of BHEL)

Note:

- i) The case of rescheduled auction event will be considered separate event for the purpose of payment.
- ii) If the event has been conducted as per mandate, you shall be paid irrespective of RA outcome.

Buyer Name	BHARAT HEAVY ELECTRICALS LIMITED, RAMACHANDRA PURAM PURCHASE (HE&F) HYDERABAD 502 032
	<u>Contact Person Details:</u>
Auction to be conducted by	
Date of Auction	
Documents Attached: (To be sent to the bidders)	1) Business rules for Reverse Auction (Annexure-I) 2) Process Compliance Form (Annexure-III) 3) Details of item (s) to be Reverse Auctioned (Annexure-V) 4) Post RA Price confirmation by bidder (Annexure-VI)

Annexure – III

Process Compliance Form

(The bidders are required to print this on their company's letterhead and sign, stamp before RA)

To

Service Provider

Sub: Agreement to the Process related Terms and Conditions

Dear Sir,

This has reference to the Terms & Conditions for the Reverse Auction mentioned in the RFQ document for {Items} against BHEL enquiry no. {-----}

This letter is to confirm that:

- 1) The undersigned is authorized official/ representative of the company to participate in RA and to sign the related documents.
- 2) We have studied the Reverse Auction guidelines (as available on www.bhel.com), and the Business rules governing the Reverse Auction as mentioned in your letter and confirm our agreement to them.
- 3) We also confirm that we have taken the training on the auction tool and have understood the functionality of the same thoroughly.
- 4) We also confirm that, in case we become L1 bidder, we will FAX/ email/ the price confirmation & break up of our quoted price (including that of line items) as per Annexure-VI within two working days (of BHEL) after completion of RA event, besides sending the same by registered post/ courier both to M/s. BHEL and Service Provider
- 5) We also confirm that in case we become L1 bidder, the envelope sealed price bid submitted by us shall be opened by BHEL and we agree to accept the lower of the two bids (RA closing price & envelope sealed price) for placement of order and we have understood that in case online sealed bid placed by us is found higher than envelope sealed price bid submitted by us, then BHEL may take action as stipulated in NIT.

We, hereby confirm that we will honor the Bids placed by us during the auction process.

With regards

Signature with company seal

Name –

Company / Organization

Designation within Company / Organization

Address of Company / Organization

- Sign this document and FAX/ email it to Service Provider at {.....} prior to start of the Event.

Annexure – IV

List of bidders and their address/ contact person details

S. No.	Address	Contact Person
1		
2		
3		
4		

Annexure – V

Details of item (s) to be Reverse Auctioned

Details of items including quantity, specification, Enquiry no. {-----}

The offers of all the bidders are technically & commercially frozen as submitted by the bidders and clarified in subsequent correspondence, if any, with the bidders.

Annexure – VI

RA price confirmation and breakup
(To be submitted by L1 bidder after completion of RA)

To

Service Provider

CC: **BHARAT HEAVY ELECTRICALS LIMITED**
PURCHASE (HE&F)
HYDERABAD 502 032

Sub: Final price quoted during Reverse Auction and price breakup

Dear Sir,

We confirm that we have quoted.

Rs. { _____ in value & in words _____ } for item(s) covered under tender enquiry No. {--
----}.

Total price of the items covered under above cited enquiries is inclusive of {*Packing & forwarding, E.D., C.S.T., freight and insurance charges upto {.....} District,{.....} State and Type Test Charges etc., (exclusive of service tax), other as per NIT*}

as our final landed prices as quoted during the Reverse Auction conducted today {date} which will be valid for a period of {-----} days.

The price break-up including that of line items is as given below.

Total

-

Rs.

Thanking you and looking forward to the valuable order from BHEL.

Yours sincerely,

For _____

Name:

Company:

Date:

Seal: