



An ISO 9001
Company

BHARAT HEAVY ELECTRICALS LIMITED

(High Pressure Boiler Plant)

Tiruchirapalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT/ MATERIALS MANAGEMENT

ENQUIRY

NOTICE INVITING TENDER

Phone: +91 431 257 7421/7775

Fax : +91 431 257 6826

Email : vkarna@bhel.in

: kumar.virendra@bhel.in

Web : www.bhel.com

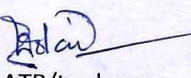
TWO PART BID	Enquiry Number:	Enquiry Date:	Due date for submission of quotation:
Tender to be submitted in two parts	2622000012	11.06.2020	03.07.2020
You are requested to quote the Enquiry number, date and due date in all your correspondences. This is only a request for quotation and not an order. Please note that under any circumstances both delayed offer and late offers will not be considered. Hence vendors are requested to ensure that the offer is reaching physically our office before 14.00 hrs. on the Date of tender opening.			
Item	Description	Qty.	(Indigenous Vendors) Matl. Will be Delivered to
10	Procurement of Angle Plate as per the technical specification, BHEL commercial terms & conditions applicable (to be downloaded from web site www.bhel.com and https://eprocure.gov.in/epublish/app)	02 Nos.	FOR, BHEL, Stores, High Pressure Boiler Plant, Tiruchirappalli - 620014
Important points to be taken care during submission of offer 1. Material shall be delivered to (By indigenous vendors): As stated above. 2. Delivery required 5 months from the date of purchase order. 3. Erection & Commissioning period required 1 Month from the date of intimation by BHEL to vendor for deputation of their Engineers for E&C. 4. EMD for this Tender will be (INR): 1,00,000.00. 5. Compliance Forms ATP/IND/06 to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation. 6. BHEL shall be resorting to Reverse Auction (Guidelines as available on www.bhel.com). Refer MM / CE / GENL /001 – EMD. 7. All updates, amendments, corrigenda, etc., (if any), for each tender will be posted only on the above websites from time to time, as and when required, until each tender is opened. There will be no publication of such updates, amendments, corrigenda, etc., through newspapers or any other media. BHEL's General guidelines / instructions (Refer MM / CE / GENL /001 – EMD) including bank guarantee formats and list of consortium banks, commercial Terms check list can be downloaded from BHEL web site http://www.bhel.com or from Central Public Procurement Portal website https://eprocure.gov.in under Enquiry above enquiry reference. Note: this is not an E-tender, hence Vendors are requested to ensure that the offer is reaching physically at our office before 14:00 Hrs. on the date of tender opening.			
Tenders should reach us before 14:00 hours on the due date Tenders will be opened at 14:30 hours on the due date Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present		Yours faithfully, For BHARAT HEAVY ELECTRICALS LIMITED  V. KARUNAKARAN Dy. General Manager Capital Equipment / MM BHEL / Tiruchirappalli - 620 014	

ANGLE PLATE, Qty. 2 Nos.

Part A - Qualifying Criteria

S.No	BHEL Specification	Bidder's Offer
1.0	QUALIFYING CRITERIA	
1.1	Bidder / OEM must have manufactured, supplied and commissioned at least ONE Angle Plate of size of 1.5M x 1.2M x 3M or above in the last 10 years are eligible to quote.	
1.2	Bidder has to submit at least ONE Purchase order copy as documentary proof towards the supply of Angle plate meeting the following conditions: a) The Angle plate must have been supplied within the last 10 years as on the first date of tender opening. b) The Angle plate must be of size 1.5M x 1.2M x 3M or above Contact Details of the above referred angle plate end user (Customer) to be provided.	
1.3	BHEL reserves the right to verify the information provided by the Bidder. In case the information provided is found to be false/ incorrect, the offer is liable for rejection.	
2.0	INFORMATION TO BE PROVIDED BY BIDDER	
2.1	Bidder shall provide contact details (phone no & email id) including the address of his Agents / Service Centres in India	
2.2	Details of Angle plates supplied to other BHEL units if any	
2.3	The BIDDER to furnish Reference List of Customers (max 10 customers) including Contact details (phone no & email id).	
3.0	BIDDER to note:	
3.1	The BIDDER shall submit the offer in Two Parts – 1. Technical [with PART A & PART B] & 2. Commercial and Price Bid.	
3.2	The Bidder's offer against each clause in PART A & B of the offer should be filled by the BIDDER compulsorily with complete details.	
3.3	The Technical Offer shall be supported by Product Catalogue and Data Sheets in original and complete technical details / literature on the of offered Angle plate.	
3.4	The Commercial Offer (given with the Technical Offer) shall contain the Scope of Supply and the Un-Priced Part of the Price-Bid, for confirmation.	


ATP/production
[R. Rajivarma]


ATP/tool engg
(PALASH DOLAI)

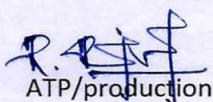

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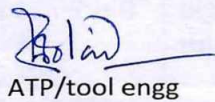
ANGLE PLATE, Qty. 2 Nos.

Part B - Technical Specification

S No	BHEL Specification	Bidder's OFFER with technical details
1	Application / Use: To support & hold large size components such as tube sheet, dished end etc. in vertical position on the Machine bed and should have rigidity to absorb the vibration during machining. These angle plates will be clamped to the machine table. The intended 2 nos. of angle plates shall be used as a set (i.e. in tandem) to clamp one large tube sheet on the vertical surface of the angle plate.	Bidder to note and confirm
1.1	Maximum Job weight shall be 25 Tons	Bidder to note
2	Angle Plate Size: Base Plane (Length x Depth): 1500 x 1200 mm or above Vertical plane (Height x Length): 3000 x 1500 mm	Bidder to confirm
3	Material: Heavy-duty close-grained cast iron of FG 220 of IS 210 or Equivalent.	Bidder to confirm
4	Stress Relieving: After being cast and rough machined, the angle plates shall be heat treated to relieve the internal stresses before being finished.	Bidder to confirm
5	Surface Conditions: Should be finish machined on all working surfaces as per DIN 875. The T-Slot Face and inside surfaces should be hardened in order to avoid the wear and damage during the intended application.	Bidder to confirm
6	Accuracy (Perpendicularity): As per DIN 875 Grade 2	Bidder to confirm
7	Job holding capacity of each angle plate in Tons	Bidder to specify
8	T- Slot Size: 28 mm confirming to IS: 2013 (For M28 T Nuts) with tolerance of H12.	Bidder to confirm
9	M28 T nuts for the above slots – 50 nos. per angle plate as per IS: 2015 standard.	Bidder to confirm


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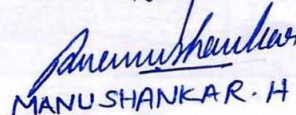
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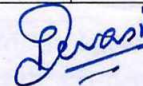

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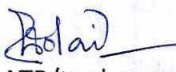


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S No	BHEL Specification		Bidder's OFFER with technical details
10	Vertical plane to have vertical and horizontal T slots. The circular shape relief shall be provided at both slots intersecting area to facilitate the T-Bolt insertion or removal	Bidder to confirm	
11	Horizontal plane (Base Plane) to have elongated through slots in both directions to facilitate the Angle plate clamping on the machine bed	Bidder to confirm	
12	Pitch of T-Slot: 250 mm (Both Horizontal & Vertical). All the T-Slots corners should be made in suitable radii	Bidder to confirm	
13	Thickness of plate : Thickness of Plate over the X and Y axis shall be designed so as to take the entire tilting load job (25Tons maximum) by T slot and still maintain equilibrium so that the plate does not tilt with load.	Bidder to confirm and Specify	
14	Estimated Weight of Angle plate	Bidder to Specify	
15	Provision for vertical handling of Angle plate to be provided	Bidder to Specify	
16	Paint of the Angle Plate (Other than vertical plane and bottom face) should be oil / coolant resistant and should not peel off and mix up with coolant. The paint shall be SYNTHETIC ENAMEL GLOSSY FINISH APPLE LIGHT BLUE PAINT	Bidder to confirm	
17	PACKAGING: Sea worthy & rigid packing for all items of complete Angle plate to avoid any damage/loss in transit. When Angle Plate is dispatched in containers, all loose items shall be suitably packed in boxes	Bidder to confirm	
18	As-built drawings (3 Hard copies and 1 softcopy in CD/DVD/Pendrive) in English language should be supplied along with the Angle Plate	Bidder to confirm	
19	Angle plate shall be supplied with calibration certificate traceable to NPL / NABL / National Standard or as applicable.	Bidder to specify the standard followed for calibration.	
20	a) Bidder to submit a drawing offered angle plate with the dimensional details along with the offer.	Bidder to note	


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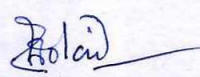

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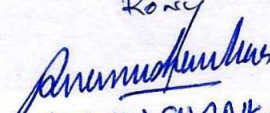

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S No	BHEL Specification	Bidder's OFFER with technical details
	b) The successful bidder shall submit the detailed manufacturing drawing of the angle plates to BHEL for approval within 1 month from the date of PO i.e. before commencement of fabrication.	
21	Pre dispatch Inspection: The angle plates shall be offered for inspection by BHEL at supplier's works before despatch. The job shall be dispatched after clearance by BHEL.	Bidder to confirm
22	Joint inspection and verification at BHEL works: The supplier should send their representative to BHEL works for joint inspection and verification of the angle plates at BHEL, Trichy and should demonstrate the specified accuracy and all the parameters of the specification.	Bidder to confirm
23	Guarantee: The angle plates shall be guaranteed for satisfactory use for a period of 12 months from the date of inspection and verification of the angle plate at BHEL works or 18 months from dispatch whichever is earlier.	Bidder to confirm


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