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BHARAT HEAVY ELECTRICALS LIMITED
HEEP HARIDWAR INDIA-PIN 249403
FAX NO: 0091 1334 226462
PHONE NO: 0091 1334 284593

Tender No.: L/6455/20/0788/Y1

Dear Sir,

The Heavy Electricals Equipment Plant (HEEP) located in Haridwar, India is one of the major manufacturing plants of Bharat Heavy Electricals Ltd. The core business of HEEP includes design and manufacture of large steam and gas turbines, turbo generators and so on.

Sealed tenders with the Tender No. and opening date clearly super scribed on the cover are invited from the manufacturers (registered as well as unregistered) for the supply of the following items: -

Tender No.	Description of Item	Qty Nos.	Delivery Schedule	Opening Date
L/6455/20/0788/Y1	AAA787117129 DRG: - REV:00 PNEUMATIC SCHEME FOR FIRTREE ROOT BLADE VERTICAL CLAMPING DRG.NO.- R7871-1712	01	31.12.2020	

1. SCOPE OF WORK , SUPPLY,PQR, AND OTHER TECHNICAL REQUIREMENTS ARE AS PER ANNEXURE -1.VENDOR TO QUOTE ACCORDINGLY ..
2. PO NO &/OR DRG. NO. SHALL BE CLEARLY PUNCHED MARKED/ETCHED ON EACH ITEM.
3. VENDOR TO QUOTE BEST POSSIBLE DELIVERY IN THE OFFER. EARLY DELIVERY ALSO ACCEPTABLE.
4. VENDOR HAS TO ASSEMBLE, INSTALL, COMMISSION & PROVE OUT THIS PNEUMATIC SCHEME AT BHEL HARIDWAR AS PER THE CLAUSE -4 OF ANNEXURE-1.
5. PAYMENT TERMS SHALL BE 100 % AFTER FINAL ACCEPTANCE OF MATERIAL AT BHEL, HARIDWAR.ACCEPTANCE AS PER CLAUSE NO -04 OF ANNEXURE-1 ENCLOSED. THE BIDDER WHO DOES NOT ACCEPT THE PAYMENT TERMS ,THEIR BID WILL BE REJECTED.
6. THE QUOTATION SHOULD BE VALID FOR A MINIMUM PERIOD OF 180 DAYS EFFECTIVE FROM THE DATE OF OPENING OF TENDER.
7. PENALTY FOR LATE DELIVERIES SHALL BE APPLICABLE @0.5% PER WEEK OR PART THEREOF ON TOTAL VALUE OF PURCHASE ORDER SUBJECT TO A MAXIMUM OF 10% OF THE TOTAL PURCHASE ORDER VALUE.
8. CURRENCY EXCHANGE RATE WILL BE APPLICABLE ON THE DATE OF OPENING OF PART-I FOR EVALUATION PURPOSE.
9. FOR THIS PROCUREMENT, PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA), ORDER 2017 DATED 15.06.2017,28.05.2018 & 29.05.2019 AND SUBSEQUENT ORDERS ISSUED BY THE RESPECTIVE NODAL MINISTRY SHALL BE APPLICABLE EVEN IF ISSUED AFTER ISSUE OF THIS NIT BUT BEFORE FINALIZATION OF CONTRACT/PO/WO AGAINST THIS NIT. ACCORDINGLY, THE MINIMUM LOCAL CONTENT, THE MARGIN OF PURCHASE PREFERENCE AND THE PROCEDURE FOR PREFERENCE TO MAKE IN INDIA SHALL BE ADHERED.
10. VENDOR TO SPECIFICALLY CONFIRM IF THEY ARE LOCAL SUPPLIER OR NOT AS PER ABOVE MENTIONED NOTIFICATION. ACCORDINGLY, THE LOCAL SUPPLIER AT THE TIME OF TENDER, BIDDING OR SOLICITATION SHALL BE REQUIRED TO PROVIDE SELF-CERTIFICATION THAT THE ITEM OFFERED MEETS THE MINIMUM LOCAL CONTENT AND SHALL GIVE DETAILS OF THE LOCATION(S) AT WHICH THE LOCAL VALUE ADDITION IS MADE.

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11. PLEASE SUBMIT YOUR OFFER ONLY FOR THE ABOVE REQUIREMENT SUBJECT TO OUR GENERAL INSTRUCTIONS AND STANDARD TERMS & CONDITIONS (GISTC: VERSION APRIL-2019, REV: 04). PLEASE VISIT OUR SITE WWW.BHELHWR.CO.IN FOR GENERAL INSTRUCTIONS AND STANDARD TERMS & CONDITIONS (GISTC) FOR TENDER ENQUIRIES. ALL THE BIDDERS/VENDORS MUST ENSURE COMPLIANCE OF THESE GISTC. GISTC CAN ALSO BE REFERRED BY LOGIN TO B2B PORTAL FOR REGISTERED VENDORS.
 12. VENDOR HAS TO PROVIDE DULY FILLED ANNEXURE-1 WITH ALL SUPPORTING DOCUMENTS ALONG WITH THEIR TECHNO-COMMERCIAL BID.(PART-1)

The tender documents can be downloaded from our web site www.bhel.com or www.bhelhwr.co.in. Before submitting the tender, the bidders are required to go through the details mentioned in "Instruction to Bidders". Intending indigenous bidder must remit Tender Fee of Rs. 2,000.00 (Rupees Two Thousand only) and foreign bidder must remit equivalent amount in foreign currency against the tender if documents (in hard copies) are required from BHEL. Indigenous bidder must also remit the requisite Earnest Money Deposit (EMD) of Rs. 100000.00/- (Rupees One lakhs only) and foreign bidder must remit equivalent amount in foreign currency in the form of Cash (as permissible under Income Tax Act) / Pay Order / Demand draft. If, Tender Fee (if required) and EMD is not submitted along with offer, then the offer shall be out rightly rejected.

As per the OM No. F.No. 1(2)(1)/2016-MA dtd. 09.02.2017 issued from the Office of Development Commissioner (Micro, Small & Medium Enterprises), "Traders and agents should not be allowed to avail the benefits extended under the PP Policy." In view of this, it is clarified that benefits of MSE (such as EMD Waiver, Tender fee exemption, Price preference, Payment preference etc.) will be given only to those MSE Vendors who are manufacturers of offered items against the NIT. No MSE benefits shall be provided to Agents / Stockists / Dealers / Traders etc.

The date for opening of tender shall be 13.07.2020 Tenders will be received up to **1.45 P.M.** on **13.07. 2020** and opened on the same day at 2.00 P.M. in the Tender Room. **Please note that tender received after due date & time (1.45 PM on 13.07.2020) will not be opened.** BHEL will not be responsible for any type of postal / courier delay / incomplete information from vendor.

As per office order 'MM/ADMN/COVID-19/BID-OPENING/2020-21' dated 07/05/2020 for the subject 'Bid opening during lockdown due to COVID 19' (C/8-9) following shall be mentioned in the enquiry along with as per approval at N/1

- 1) Vendors can submit their bids through e-mail, e-mail shall have following clear subject line:
 1. Tender enquiry Reference no. _____
 2. Bid Opening Date (Part 1, Techno-Commercial). _____
- 2) Vendors submitting their bids through e-mail shall submit their bids as attachment (pdf format) with password protection. The password shall be shared through mail (tendercell.heep@bhel.in) after 01:45 pm (IST) on the day of bid opening, however if no password is received up to 04:00 pm (IST) bids will not be opened and will be ignored.
- 3) Submission of bids through e-mail shall be considered as consent to open the bid without physically witnessing the event.

Foreign and Indigenous bidders against open tender will necessarily have to obtain class – III DSCs. Procedure for application is available on www.bhel.com.

The total quantity may undergo change at the time of ordering.

Splitting of items to the MSE vendor is not applicable in this tender.

Amendments/Corrigendum, if any, will be hosted on our web site only. Other terms and conditions will be as per tender documents.

8.

Documents submitted with the offer/bid by the bidder (original registered supplier) shall be signed and stamped in each page by authorized representative of the bidder.

Any vendor who is under hold (for the item)/ delisted/ banned with BHEL on date of opening of Part – 1 will not be allowed to quote for this tender. In case their offer is received, it may be out rightly rejected.

Tenders will be received in Tender Box kept in Tender Room and should be addressed to:

**THE HEAD OF MATERIAL MANAGEMENT,
Heavy Electrical Equipment Plant,
Bharat Heavy Electricals Limited,
HARIDWAR-249403 (Uttarakhand), INDIA.**

Bids shall be opened at 2.00 PM on the due date in the presence of authorized representative of the bidders who may like to be present. The authorized representative should bring authority letter from their parent company (Manufacturer) for the specific tender no. attending the bid opening.

BHEL will forfeit the EMD if, the successful bidder / vendor refuses to honor the order after award of the same on him and / or withdraws his bid and / or unilaterally changes the offer and / or any of its terms & conditions within the validity period.

Unregistered vendors may please visit our site www.bhel.com for filing up the Supplier Registration Form.

KINDLY READ "INSTRUCTIONS TO BIDDERS." QUOTATION NOT IN ACCORDANCE WITH THE INSTRUCTIONS ARE LIABLE TO BE DISQUALIFIED AND IGNORED.

INSTRUCTIONS TO BIDDERS FOR OPEN TENDER

DEFINITION

Registered Vendors - Are those who are registered with BHEL, Haridwar for Megawatt rating/ Size/ Weight of tendered items in respective material grade or machining of such items.

Un-registered Vendors - Are those who are not registered with BHEL, Haridwar for Megawatt rating/ Size/ Weight of tendered items in respective material grade or machining of such items.

ESSENTIAL INSTRUCTIONS

- 1) Un-registered vendors may be approved by BHEL, if found suitable, on the basis of data furnished by them in Supplier Registration Form (SRF) for Foreign Vendors or Indigenous Vendors (as applicable).
- 2) BHEL team may visit the vendor (s) works for verification of capability and capacity claimed in tender documents/offer (s).
- 3) The tenders shall be submitted in **two parts** in separate sub-envelopes clearly super scribing type of bid, tender no., due date and the name of vendor with full contact details.
 - ❖ **Part I** – PQR (Prequalifying conditions as per Annexure-1)& Techno commercial bid
 - ❖ **Part II**– Price Bid

Note: - All the sub-envelopes (Part-I & Part- II) to be put in a single covering envelope Indicating Tender no., due date and the name of vendor, e-mail id, with full contact details. Offer should be complete in all respect (i.e. Part-I & Part- II).

- 4) Part-I will be opened on the date and time specified in the tender notice in the presence of those vendors who wish to attend.
- 5) Part – II(Price Bids) along with supplementary price bids, if necessary, will be opened at a later date of only those bidders whose techno-commercial bid will be found acceptable.
- 6) Currency exchange rate will be applicable on the date of opening of Part-I for evaluation purpose.

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- 7) Please submit your offer only for the above requirement subject to our **GENERAL INSTRUCTIONS AND STANDARD TERMS & CONDITIONS (GISTC: Version April-2019, Rev: 04)**. Please visit our site www.bhelhwr.co.in for General Instructions and Standard Terms & Conditions (GISTC) for Tender enquiries. **All the bidders/vendors must ensure compliance of these GISTC (Version April-2019, Rev: 04)**. GISTC can also be referred by login to B2B Portal for Registered Vendors.

REFERENCES:

ANNEXURE-1: Technical requirement, scope of supply & PQR.

NDA: Non- Disclosure and Proprietary Information Agreement (Format enclosed)

TECHNICAL SPECIFICATION OF PNEUMATIC SCHEME FOR FIRTREE ROOT BLADE VERTICAL CLAMPING

SL. NO.	DESCRIPTION OF BHEL REQUIREMENT	
1	SCOPE OF AIR BAGS AND PNEUMATIC SYSTEM	
	Supply and successful installation of PNEUMATIC SCHEME FOR FIRTREE ROOT BLADE VERTICAL CLAMPING (DRG NO: R7871-1712). All Technical Requirements mentioned in drg no R7871-1712 to be met.	Vendor to offer
2	PNEUMATIC SYSTEM	
2.1	Pneumatic scheme with all its components: As per DRG No- R7871-1712	Vendor to offer
2.2	AIR BAGS : As per ITEM NO 2 of Drg. No.- R7871-1712 (Qty- 4nos. + 4nos. spare)	Vendor to offer
2.2.1	Air Bag Size: (300-400) mm * (300-400) mm (L * B)	Vendor to confirm & provide details
2.2.2	Working Pressure : 5 - 12 Bar	Vendor to confirm & provide details
2.2.3	Maximum Lifting Height: 200 mm +/- 5% (as mentioned in drg. R7871-1712)	Vendor to confirm & provide details
2.2.4	The bags shall be supplied in set as per Sl. no 2.5	Vendor to confirm & provide details
2.2.5	Each air bags must have lifting capacity of not less than 12 ton +/- 5%.	Vendor to confirm & provide details
2.2.6	The air bags shall be of multi-layer construction having Chloropene Rubber with aramide reinforcement.	Vendor to confirm & provide details
2.2.7	Insertion thickness of the bag shall not be more than 25 mm including profile.	Vendor to confirm & provide details
2.2.8	Stackable and non slip surface profile design, surface shall be with interlocking structure for improved holding on cement/concrete floor (which may be slippery)	Vendor to confirm & provide details
2.2.9	Each pneumatic lifting bag shall be equipped with brass/steel valve connection vulcanized into the reinforced corner of the bag to which a male connector for quick connect coupling with air supply/compressed air.	Vendor to confirm & provide details
2.2.10	Air bags should be corrosion resistant and have resistance against range of chemicals like hydraulic oil and lubricant oil.	Vendor to confirm & provide details
2.2.11	The bags shall be individually tested (dated inspection seal to be marked on/with the bags). The bags shall comply with EN 13731 (independently tested and certified by TUV/FM/EIL) or equivalent. Copy of Certification should be provided with the offer.	Vendor to confirm & provide details
2.2.12	The safety factor of air bags shall be greater than or equal to 4:1	Vendor to confirm & provide details
2.13	Air bags must be inflated simultaneously & uniformly to achieve maximum lifting height of 200 mm suitable for total load of fixture = 25-30 ton put on set of four air bags as per drg no R7871-1712	Vendor to confirm & provide details
2.3	Vendor to quote suitable Air Compressor equipment for smooth running and to meet the specific requirement of the Pneumatic system for the specified application. Note: Compressed air available with BHEL is 6 Bar.	Vendor to confirm & quote accordingly
2.4	Lifting air bag Automation: The Air should be supplied by offered air (Sl. no 2.3) compressor to lifting bags @ 12 Bar working pressure so that all the lifting bags connected are simultaneously inflated with minimum lag to lift the load of 25-30 ton. The air compressor should stop automatically after the load reaches the required height of lifting/pressure whichever is earlier. Similarly the lifting bag holding the load, should deflate simultaneously when given command/operated by suitable mean. Overall inflation and deflation need to be safe and programmed to perform automatically. The air compressor should supply dry and oil free air to the lifting bag. Air Compressor may run with available three / single phase electrical power point. All necessary hardware, Software, PLC program etc. required for the purpose of above mentioned automation, should be supplied / installed in the Pneumatic system.	Vendor to confirm & quote accordingly

Amil Kumar
9/6/2020
(Amil Kumar)
E2, NBS-PEB

Rajak
9/6/2020
(R.K. Rajak)
EG, NBS-PEB

Hasthit/E2
9/6/2020
(Hasthit/E2)

Sagan
10/6/20
Sagan
(ES/JTE)

for meet. maint. spare parts only
mhasan
11.06.2020
E3, WEX

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2.5	1 SET INCLUDES :	
2.5.1	AIR BAGS (04 nos + 04 nos.(Spare)) The bags shall strictly comply the following requirements : LIFTING CAPACITY :- Not less than 12 Ton +/- 5% of each air bag.	Vendor to offer
2.5.2	Inflation hoses in two different colours 10 m length each (8 Nos) for quick identification of the connection to Bags.	Vendor to offer
2.5.3	Shut off unit with suitable hose length in two different colours (8 Nos) for quick identification of the connection to Bags.	Vendor to offer
2.5.4	Pressure regulator (Not less than 300 bar) (4 Nos).	Vendor to offer
2.5.5	Dual Controller (not less than 12 bar). The dual controller shall be with operating levers type and not with push buttons type. (4 Nos)	Vendor to offer
3	SPARES	
	Spare Parts: Itemized breakup of mechanical, hydraulic, electrical and electronic spares as below are to be offered. The items if required other than the below mentioned spares for one year smooth & trouble free operation of Air Bags & Pneumatic System should be quoted separately. (Unit Price of each item of spare should be offered)	Vendor to quote item wise & provide details
3.1	Oil separator-5 nos.	Vendor to quote item wise & provide details
3.2	Oil filter -5 nos.	Vendor to quote item wise & provide details
3.3	Air filter -5nos	Vendor to quote item wise & provide details
3.4	Pressure switch-1 no.	Vendor to quote item wise & provide details
3.5	Temp controller-1 no.	Vendor to quote item wise & provide details
3.6	Belt -2 nos. each type	Vendor to quote item wise & provide details
3.7	Pneumatic connector -4 nos. each type used in compressor	Vendor to quote item wise & provide details
3.8	Pneumatic pipe- 5 MTR	Vendor to quote item wise & provide details
3.9	Delivery pipes for air bag- 2 nos. Each type	Vendor to quote item wise & provide details
3.10.	Air bags- 4 nos. as per clause 2.5.1	Vendor to quote item wise & provide details
4	COMISSIONING AND FINAL ACCEPTANCE OF PNEUMATIC SYSTEM WITH AIR BAGS	
4.1	Foundation pit & site for installation of fixture shall be prepared by BHEL which includes required civil construction	Vendor to Note
4.2	Hydraulic System shall be arranged by BHEL. Manufacturing & Assembly of fixture components shall be done by BHEL.	Vendor to Note
4.3	Upon completion of Sl. no 4.1 & 4.2, vendor shall be informed by BHEL for deputation of their team for installation & successful demonstration of complete pneumatic system in accordance to the functionality of fixture as per Sl. no. 1 above & mentioned in specified drgs.	Vendor to Confirm
4.4	Vendor shall carry out installation of complete Pneumatic scheme on the fixture as per drg. & specified requirements. Complete pneumatic system shall be of compact design & safely commissioned for trouble free operation as per Sl. no 1 above.	Vendor to Confirm
4.5	After installation of pneumatic system, functionality of fixture using blade (provided by BHEL) shall be tested in presence / guidance of vendor. In case of any problem faced related to supplied pneumatic system, the required changes in supplied pneumatic system shall be done by vendor without any financial implications to BHEL.	Vendor to Confirm
4.6	Final acceptance shall be made by BHEL Hardwar after successfully installation and prove out of supplied pneumatic system.	Vendor to Accept
5	DOCUMENTS	
5.1	Detailed maintenance manual of AIR BAGS & PNEUMATIC SCHEME with all assembly / sub-assembly drawings including electrical / pneumatic circuit diagrams to be provided in hard copy (03 sets) as well as in soft copy (in CD/DVD/USB Pen drive).	Vendor to Confirm
5.2	Complete list of standard / customized parts, accessories and spare parts along with specification / type / model used in the air bags and pneumatic scheme shall be furnished in hard copy (03 sets) as well as in soft copy (in CD/DVD/USB Pen drive) along with documentation to be supplied.	Vendor to Confirm and provide documents

Atk= 9/6/2020

Rejane 9/6/2020

Bm 9/6/20
(Hasshi)

31/10/20
(Gagan)

for mech. maint. spare parts only
mhasan 11.06.20

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6	GUARANTEE	
6.1	Vendor shall offer performance guarantee of complete pneumatic system including air bags for a period of 24 months from the date of final acceptance of the machine. In case of any problem occurred during guarantee period, the trained personnel of the vendor should attend and resolve the problem at the earliest. Any parts needed to be replaced during guarantee period, shall be arranged by the vendor without any financial implication on BHEL.	Vendor to Confirm and provide guarantee
7	PRE-QUALIFYING CONDITIONS	
7.1	Only OEM (Original Equipment Manufacturing) vendors should quote who have supplied and commissioned Air Bags of same or higher configuration (Lifting capacity 12 ton & in size 300-400 mm * 300-400 mm) in the past ten years (On the date of opening of Tender). (Authorized channel partner/associates of above OEMs may also quote on their behalf. In such case, valid Authorization Certificate issued by OEM on their letter head is to be furnished with the offer)	Vendor to accept and provide the details
7.2	Copies of purchase order / commissioning reports / certificate from their customers (for atleast two distinct supplies) are to be submitted alongwith the offer along with contact details (Phone no , email address , address etc) . However in the submitted PO copies, offered price may be concealed by suitable means. Month & Year of supply / commissioning is to be informed.	Vendor to accept and provide the details
7.3	Vendor should submit the Catalogue of the offered or similar type of Air bags	Vendor to submit
7.4	The OEM vendor should be ISO 9001:2008 or equivalent certified for air bags and copy of valid certificate should be submitted along with the offer.	Vendor to submit
7.5	OEM Vendor to intimate their annual turnover. For this, OEM vendor to submit valid documentary proof of annual turnover. Annual turnover should be more than 30 lakhs.	Vendor to submit
7.6	BHEL reserves the right to verify the information provided by vendor. In case the information provided by vendor is found to be false / incorrect, the offer shall be rejected	Vendor to accept

Chik
9/6/2020
(Anil Kumar
E2, NBS-PEB)

R. K. Rajale
9/6/2020
(R. K. Rajale)
E6; NBS-PEB

Hr
9/6/20
(Harshit/E2)

10/6/20
Gagan
(E5/JTE)

for meeh. maint. spare
parts only
Shashan
11.06.20
E3, WEX