



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

Tender No.: L/6455/20/0787/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/6455/20/0787/Y1	AAA787117110 DRG: - REV:00 HYDRAULIC SCHEME FOR FIRTREE ROOT BLADE VERTICAL CLAMPING DRG.NO.- R7871-1711	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 CLEARY 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 HYDRAULIC SYSTEM AT BHEL HARIDWAR AS PER THE CLAUSE -8 OF ANNEXURE-1.
5. PAYMENT TERMS SHALL BE 100 % AFTER FINAL ACCEPTANCE OF MATERIAL AT BHEL, HARIDWAR.ACCEPTANCE AS PER CLAUSE NO -08 OF ANNEXURE-1 ENCLOSED. THE BIDDER WHO DOEST 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.

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. 40000.00/- (Rupees forty thousand 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.

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.

- 8.
- 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 HYDRAULIC SCHEME FOR FIRTREE ROOT BLADE VERTICAL CLAMPING

SL. NO.	DESCRIPTION OF BHEL REQUIREMENT	REQUIRED
1.0	SCOPE	
	Supply and successful installation of hydraulic system (DRG.NO.R7871-1711) & hydraulic cylinder (DRG.NO.R7871-1711/001) for DRG. NO.R7871-1711" at BHEL Haridwar works. Vendor has to develop the complete hydraulic system (all valves, pressure gauges, aspirator, pump, motor, powerpack etc.) of the fixture as per drg.no.R7871-1711, complete hydraulic system arranged in a rack & kept at shop floor level.	Vendor to Confirm
2.0	SPECIFICATION	
2.1	Max. working pressure: 350 bar	Vendor to Confirm
2.2	Motor power : Suitable motor of make : SIEMENS / SCHNEIDER / KIRLOSKAR / ABB	Vendor to Confirm
2.3	Reservoir capacity : 100 liter or more	Vendor to Confirm
2.4	Flow rate : 12 Lpm or more	Vendor to Confirm
2.5	Hydraulic cylinder : as per drg no R7871-1711-001 (6 nos + 6 nos. spares) MAKE : HYDAC / PARKER / ENERPAC / ROMEHELD or of reputed make.	Vendor to quote
2.6	No of output points : 6 no of output points (as per drg no R7871-1711)	Vendor to Confirm
2.7	Hydraulic oil required (Sufficient for commissioning of Hydraulic System)	Vendor to recommend oil make & specification
2.8	Filtration : 100-140 microns in suction strainer & 25 micron in return line filter	Vendor to Confirm
2.9	Hydraulic components :	
2.9.1	Hydraulic pump : piston pump (Make -HAWE / BIERI / REXROTH / YUKEN / PARKER / VICKERS / HYDAC) or of reputed make.	Vendor to Confirm and provide details
2.9.2	Hydraulic valves : (Make -HAWE / BIERI / REXROTH / YUKEN / PARKER / VICKERS / HYDAC) or of reputed make.	Vendor to Confirm
2.9.3	Hydraulic oil pressure accumulator : Make - PARKER/ EPE / HYDAC / OLAER / ROTH / REXROTH or of reputed make.	Vendor to Confirm
2.9.4	Pressure gauge : Range : 0-500 bar. Glycerine filled pressure gauge : Make -WIKA or of reputed make	Vendor to Confirm
2.9.5	Oil filters : Make - HYDROLINE / HYDAC / EPE or of reputed make.	Vendor to Confirm
2.9.6	Hydraulic coupler : Screw Type, Make - FASTER / CEJN / ARGUS or of reputed make.	Vendor to Confirm
2.9.7	Pressure switches : to on/off the motor. (Make -HAWE / REXROTH / HYDAC or of reputed make.)	Vendor to Confirm
2.9.8	Piping for Hydraulic system : Hydraulic power pack shall be placed at shop floor at approx. 10 m distance from center of base block. Hose pipe : Make : PARKER / GATES / LEGRIS or of reputed make.	
2.9.9	Hydraulic accessories & other necessary peripheral components to get functionality of scheme as per DRG No R7871-1711 or as per recommendation by vendor if any.	Vendor to offer & provide details
2.10	Junction Box : Duly Wired	Vendor to Confirm
3.0	Tank accessories :	
3.1	Air breather	Vendor to Confirm
3.2	Level gauge (Top Mounted)	Vendor to Confirm
3.3	Suction strainer	Vendor to Confirm
3.4	Glycerine filled Pressure gauge with analogue / digital output	Vendor to Confirm
3.5	Filters	Vendor to Confirm
3.6	Temperature controller with indicator	Vendor to Confirm
3.7	Inspection cover	Vendor to Confirm
3.8	Drain valve	Vendor to Confirm
3.9	Other accessories if required other than above mentioned	Vendor to offer & provide details
4.0	ELECTRICAL CONTROL PANEL FOR ABOVE SYSTEM	
4.1	Panel box	Vendor to Confirm
4.2	RYB indicators	Vendor to Confirm
4.3	Motor starter	Vendor to Confirm
4.4	ON / OFF push buttons	Vendor to Confirm
4.5	Forward push buttons	Vendor to Confirm
4.6	Overload relays	Vendor to Confirm
4.7	Electrical switch gear control components	Vendor to Confirm
4.8	Necessary items if required other than above mentioned	Vendor to offer & provide details

Amil Kumar
09/06/2020
E2, NBS-PEB

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

Harshit Anand
9/6/20
(Harshit Anand)
E2, TR

Sagar K.
10/6/20
(Sagar K.)
(E5/JTB)

for week. maint. spare parts only.
11.06.20
E3, WEX

SL. NO.	DESCRIPTION OF BHEL REQUIREMENT	REQUIRED
5.0	Features: -	
5.1	All necessary instructions & specifications are duly notified on power pack.	Vendor to Confirm
5.2	Easy to maintain layout	Vendor to Confirm
5.3	Reservoirs are etch primer coated & PU painted.	Vendor to Confirm
5.4	All fittings, fasteners & manifolds are zinc coated / Blackned.	Vendor to Confirm
5.5	Hydraulic system should be thoroughly tested for its functions with contamination free hydraulic oil.	Vendor to Confirm
5.6	Temperature controller & indicator provided on each power pack.	Vendor to Confirm
5.7	Low oil level indicator	Vendor to Confirm
5.8	Over load & over pressure safety	Vendor to Confirm
5.9	Features & necessary items if required other than quoted above	Vendor to offer item wise & provide details
6.0	Vendor should submit the test certificate of complete power pack and Hydraulic cylinder	Vendor to Confirm and provide.
7.0	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 Power Pack & hydraulic cylinder should be quoted separately. (Unit Price of each item of spare should be offered)	Vendor to quote item wise & provide details
7.1	All types of solenoid valves, shutoff valves, relieve valves & control valves : 1 no each	Vendor to quote item wise & provide details
7.2	All types of filter : 1 no each	Vendor to quote item wise & provide details
7.3	All types of pressure switch : 1 no each	Vendor to quote item wise & provide details
7.4	All types of Hose pipe : 2 nos each.	Vendor to quote item wise & provide details
7.5	Hydraulic Coupler : 6 Nos	Vendor to quote item wise & provide details
7.6	All types of pressure gauge : 2 nos each	Vendor to quote item wise & provide details
7.7	Hydraulic cylinder : 6 nos. spares as per clause 2.5 above.	Vendor to quote item wise & provide details
8	COMMISSIONING AND FINAL ACCEPTANCE OF HYDRAULIC SYSTEM WITH FIXTURE	
8.1	Foundation pit & site for installation of fixture shall be prepared by BHEL	Vendor to Note
8.2	All mechanical components of fixture & pneumatic system shall be arranged by BHEL. Assembly of fixture shall be done by BHEL.	Vendor to Note
8.3	On availability of all fixture components & receipt of supply of hydraulic components, vendor shall be informed by BHEL for deputation of their team for installation & successful demonstration of complete hydraulic system in accordance to the functionality of the fixture.	Vendor to Confirm
8.4	Vendor shall carry out installation of complete hydraulic scheme on the fixture as per drg. & specified requirements. All hose pipes or pipe connections shall be fully supported & protected and not be freely hanging / lying on the floor. Complete hydraulic system shall be compact & safely installed for trouble-free use for long time.	Vendor to Confirm
8.5	After installation of hydraulic system, functionality of fixture using blade (provided by BHEL) shall be tested in presence / guidance of vendor. In case of any problem faced during installation that required changes in supplied hydraulic system, the same shall be replaced by vendor without any financial implications to BHEL. In case of any problem faced during installation that required changes in the mechanical components of fixture, the same shall be corrected by BHEL.	Vendor to Confirm
8.6	Final acceptance shall be made by BHEL Hardwar after successfully installation and prove out of supplied hydraulic system in accordance to the functionality of the fixture mentioned at clause no. 8.1 to 8.5. (considering correction / rectification if any as per Cl. no.-8.5).	Vendor to Accept
9	DOCUMENTS	
9.1	Detailed maintenance manual of Power Pack and Hydraulic Cylinder with all assembly / sub-assembly drawings including electrical / hydraulic 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
9.2	Complete list of standard / customized parts, accessories and spare parts (as per Cl. no. 7.0) along with specification / type / model used in the Power Pack and Hydraulic Cylinder shall be furnished in hard copy (03 sets) as well as in soft copy (in CDs/DVDs/USB Pen drives) along with documentation to be supplied with the Power Pack.	Vendor to Confirm and provide details.
9.3	In case of bought out items, Vendor to provide catalogue details with Make, specification and quantity	Vendor to Confirm and provide details.

31/06/2020

9/6/2020

9/6/20 (Hasshet/E2)

10/6/20 (Gagan k)

for meech. main. Spare parts only. mha ssen 11-06-20

SL. NO.	DESCRIPTION OF BHEL REQUIREMENT	313 REQUIRED 3
10	GUARANTEE	
	Vendor shall offer performance guarantee of complete supplies including Power Pack & hydraulic cylinder with all its accessories 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 implications to BHEL	Vendor to Confirm and provide guarantee
11	PRE-QUALIFYING CONDITIONS	
11.1	Only OEM (Original Equipment Manufacturers) vendors should quote who have supplied and commissioned at least one Hydraulic Power Pack System of same or higher configuration (Max. Working pressure 350 bar) 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 is to be furnished with the offer).	Vendor to accept and provide the details
11.2	List of the customers / companies where the Hydraulic Power Pack System as per clause no. 11.1 have been installed & commissioned.	Vendor to submit
11.3	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 submit
11.4	Vendor should submit the Catalogue of the offered or similar type of Power pack.	Vendor to submit
11.5	The OEM vendor should be ISO 9001:2008 or equivalent certified for Power Pack / Hydraulic System and copy of valid certificate should be submitted along with the offer	Vendor to submit
11.6	Vendor to intimate their annual turnover. For this, vendor to submit valid documentary proof of annual turnover. Annual turnover should be more than 30 lakhs.	Vendor to submit
11.7	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

dikr
9/06/2020
(Anil Kumar)
E2, NBS-PEB

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

Prm
9/6/2020
(Harshit / E2)

Dim
10/6/20.
Gagan Kr.
(E5/3TE)

for mech. maint. & spare parts only.
mhassan
11.06.20
E3, WEX