

 BHEL Maharaja Company ISO 9001, ISO 14001, OHSAS 18001 &SA8000 Certified Company SubContract and Purchase Department.	BHARAT HEAVY ELECTRICALS LIMITED (A Govt. of India Undertaking) Power Sector-Northern Region, Plot no.25, Sector 16 A, Noida -201301 Ph : 0120-241 6511/6292 , Fax: 0120-2416525 E-mail: aditi@bhel.in / ick@bhel.in
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E-TENDER ENQUIRY NO. & DATE	BHEL/PSNR/SCP/AG/E-3146 (E-Tender) & DATE: 18.05.2020
DUE DATE & TIME OF TENDER SUBMISSION	29.05.2020 AT 15:00 HRS.
DUE DATE & TIME OF OPENING OF TENDER	29.05.2020 AT 15:30 HRS.

TENDER ENQUIRY

BHEL Power Sector Northern Region invites sealed quotation for the following Store in **two part bid** system **THROUGH E-PROCUREMENT PORTAL** <https://bhel.abcpurchase.com> ONLY;

DESCRIPTION OF STORE	QTY (NO.)	DESTINATION FOR SUPPLY	DELIVERY SCHEDULE
CONSTRUCTION POWER EQUIPMENTS AS PER TECHNICAL SPECIFICATION (PART-A)	AS PER PART -A	BHEL Site, KHURJA , BULANDSHAHR (U.P.)	Dispatch of material shall be completed within 08 Weeks from the date of issuance of Purchase Order.

DELIVERY REQUIRED AT - CONSIGNEE:

CONSTRUCTION MANAGER, BHEL PSNR SITE OFFICE, 2X660MW KHURJA STPP,
VILLAGE & POST DASHERA KHERLI, TEHSIL – KHURJA, DIST- BULANDSHAHR, UTTAR PRADESH-203131.

IMPORTANT NOTE:

*This is an E-tender floated online through our E-Procurement Site
<https://bhel.abcpurchase.com> The bidder should respond by submitting their offer online only in
our e-Procurement platform at <https://bhel.abcpurchase.com> Offers are invited in two-parts only.
No Hard copy bid or bids through email/ fax shall be accepted.*

The Tender Document comprise of following;

- 1. PART – ‘A’: TECHNICAL SPECIFICATION.**
- 2. PART –‘A1’: PRE QUALIFYING REQUIREMENT (PQR).**
- 3. PART – ‘B’: SPECIAL CONDITIONS OF CONTRACT (SCC).**
- 4. PART – ‘C’: UNPRICE FORMAT.**
- 5. PART – ‘D’: PRICE SCHEDULE.**
- 6. PART – ‘E’: GENERAL CONDITION OF CONTRACT (GCC) Rev. – 02.**

**TECHNICAL SPECIFICATION OF EQUIPMENTS/ITEMS OF 11 KV CONSTRUCTION POWER
REQUIRED AT KHURJA SITE**

Sl. No	DESCRIPTION	VENDOR'S CONFIRMATION
1	<u>TRANSFORMER: 01 No.</u>	
	a) Transformer 630kVA 11kV/440V 50 Hz IS 1180-2014	
	b) Oil Filled	
	c) Cooling: ONAN	
	d) Winding material: Copper	
	e) Vector Group: DYN11	
	f) Terminal Arrangement: Bare Bushing for HV Side & Cable Box for LV Side	
	g) Tap Changer: Off Circuit Tap Changer for $\pm 5\%$ Taps on H.T. Side in steps of 2.5% each	
	h) Transformer Oil: "A Grade" Tested & Certified as per IS:335 Standard.	
	i) Suitable protection against heating ,Over Load & Internal Faults	
	j) MAKE: Standard Make confirming IS/international standards.	
2	<u>DISTRIBUTION BOARD: 01 No.</u>	
	a) Capacity of 1000Amp Incomer ACB along with Protection Relay and SFU Feeders (Breakup of 200amps, 300amps 400amps 100amps etc.) IS 61947	
	b) Panels shall be suitable for outdoor application IP 55.	
	c) Good quality synthetic rubber / neoprene gaskets shall be put around the door. The door when closed, shall compress the gasket uniformly.	
	d) MAKE: Standard Make confirming IS/international standards.	
3	<u>TPMO: 01 No.</u>	
	a) Capacity : 11 KV,200A,50Hz	
	b) MAKE: Standard Make confirming IS/international standards.	

4	<u>CABLES: 500 Meters</u>	
	a) Capacity & Size: 3C 11kV HT cable Size 95sqmm IS 7098 Part-2	
	b) Type : Unarmored	
	c) Conductor: Aluminium	
	d) MAKE: Standard Make confirming IS/international standards.	
5	<u>ALUMINUM TERMINAL CONNECTOR: 06 Nos.</u>	
	e) For 11KV 95 sq. mm HT cable	
	f) MAKE: Standard Make confirming IS/international standards.	
6	<u>METER BOX AND PIPE WITH WIRING: 01 No.</u>	
	a) MAKE: Standard Make confirming IS/international standards.	
	b) Suitable for Meter SN.10	
7	<u>SUITABLE DO FUSE WITH INSULATOR SET: 3 Nos.</u>	
	a) MAKE: Standard Make confirming IS/international standards.	
8	<u>11KV TERMINATION KIT 3M(For 3CX95 Sq mm Power cable) : 04 Nos.</u>	
	a) MAKE: Standard Make confirming IS/international standards.	
9	<u>11 KV OUTDOOR OIL FILLED CTPT COMBINED UNIT WITH THREE NOS. 11 KV CT RATIO 50/5A CLASS 0.5 BURDEN 10VA,PT RATIO 11KV/110V CLASS 0.5,BURDEN 50 VA PER PHASE: 01 No.</u>	
	a) MAKE: Standard Make confirming IS/international standards.	
10	<u>ENERGY METER (SECURE MAKE) CLASS 0.5: 01 No.</u>	
	a) MAKE: Standard Make confirming IS/international standards.	
11	<u>LUGS 630 SQMM (ALUMINIUM): 28 Nos.</u>	
	a) MAKE: Standard Make confirming IS/international standards.	
12	<u>H POLE: 01</u>	
	a) H POLE SP55(11 M)	
	b) MAKE: Standard Make confirming IS/international standards.	
13	<u>HIGH MAST LIGHTING TOWER: 02 Nos.</u>	
	a) Height : 20 to 25 Meters	

	b) Accessories: winch motor,wire,rope,trolling cable , rings, clamps, hooks, 6 nos. of 200 W Light suitable for outdoor, Foundation bolts and automatic feeder panel . c) Mast shall be provided with 600mm long air termination for the lightning protection d) All steel sections, members and hardware used shall be hot dip galvanised as per applicable standard. e) MAKE : Standard Make confirming IS / international standards.	
	ASSISTANCE IN COMMISSIONING AT BHEL KHURJA SITE: The Assistance in commissioning of above equipment /items should be at BHEL Khurja site, which are mentioned in tender. Training for Operation & maintenance should be provided to BHEL/Contractor persons during commissioning.	
	<u>Documents required before dispatch:</u> Vendor shall submit their 'Quality Plan' for approval of BHEL with the technical bid. Pre dispatch inspection shall be carried out at supplier's works by BHEL engineer as per approved quality plan. Supplier has to inform well in advance (7 days) about the readiness of material for inspection. Supplier has to make all arrangement for the inspection within the quoted rate. <u>Documents required along with dispatch:</u> a) O&M manuals-2 sets b) Part manuals-2 Sets c) List of recommended Spare parts required for 2 year operation-2 Sets Above mentioned documents should be dispatched One for Head Quarter and one for site with equipment. Guarantee Certificate – Minimum 12 month from the date of commissioning or 18 months from date of dispatch of at site whichever is early.	

NOTE: -

1. The equipment being offered should be strictly as mentioned above and should be supplied in a single LOT.

PART – 'A1'

PRE-QUALIFYING REQUIREMENT

1. Bidders should have supplied at least one no. Transformer of rating 630kVA 11kV/440V 50 Hz or Higher Rating during last 03 years from the date of bid submission.
Bidder to submit copy of at least one P.O in support of above.
"OR"
Bidders should have supplied at least one no. DISTRIBUTION BOARD (1000 A) or higher rating during last 03 years from the date of bid submission.
Bidder to submit copy of at least one P.O in support of above.
2. Party should quote for all equipments together. Incomplete bids are liable to be rejected.
3. Bidders should have an average annual financial turnover of **atleast Rs. 20 Lacs or more** during last three (03) Financial Years (FYs) i.e. (2016-17, 2017-18 & 2018-19).

NOTE -:

- a. Bidder to submit Audited Balance Sheet and Profit and Loss Account of the Company for last (3) three Financial Years (FY) in support of Sl. No. 3 as above.
- b. In case audited annual accounts have not been submitted for all three years as indicated above, then applicable audited annual accounts as submitted by the bidder against the requisite three years will be averaged for three years.

PART – ‘B’**SPECIAL CONDITIONS OF CONTRACT (SCC)****1.1 IMPORTANT NOTES:**

This is an E-tender floated online through our E-Procurement Site <https://bhel.abcprocure.com> The bidder should respond by submitting their offer online only in our e-Procurement platform at <https://bhel.abcprocure.com> Offers are invited in two-parts only. No Hard copy bid or bids through email/ fax shall be accepted. Bids are invited in two parts & shall be submitted as described below:

OFFER DESCRIPTION	DOCUMENTS TO BE UPLOADED & MODALITY OF UPLOADING DOCUMENTS
TECHNICAL OFFER	1). Scanned copy of Covering letter of offer (To be attached in Attachment section). 2). Scanned copy of Entire tender documents signed & stamped in each page by authorized representative of the bidder except price bid (To be attached in Attachment section). 3). Scanned copy of Techno-Commercial Offer (To be attached in Attachment section). 4). Duly filled all annexures except price & unpriced format (To be submitted with offer). 5). All supporting documents/ Annexures etc., as applicable (To be attached in Attachment section). 6). No deviation certificate in bidders letterhead as per format given in GCC (To be attached in Attachment section). 7). Certificate of Price Justification in bidders letterhead as per format given in ANNEXURE of GCC (To be attached in Attachment Section).
PRICE BID	8). Duly filled in Price Schedule as per Tender. (To be submitted with offer) <i>Any other document uploaded in the price bid, as per tender format, shall not be taken into cognizance for evaluation of offer.</i>

1.2 SCOPE OF WORK:

a). Supply, Demonstration & commissioning of complete set of Construction Power Equipments along with accessories and details as per Technical Specification (Part-A) for BHEL-Khurja site on F.O.R. Destination Basis. Unloading of materials at Destination/Site shall be in the BHEL's scope. Bidder to quote for complete scope of work as mentioned in Part-A. Partial offer are liable to be rejected / not accepted.

2. PRICE BASIS:

Price in INR should be quoted for F.O.R destination delivery at CONSTRUCTION MANAGER, BHEL PSNR SITE OFFICE, 2X660MW KHURJA STPP, VILLAGE & POST DASHERA KHERLI, TEHSIL – KHURJA, DIST- BULANDSHAHAH, UTTAR PRADESH-203131.

3. EVALUATION CRITERIA:

Tender will be evaluated based On the Net Cost to BHEL on F.O.R basis, as indicated in Price Bid (PART – “D”) of Tender. However, order shall be placed on the Total Cost including GST to BHEL F.O.R. prices.

4. TAXES AND DUTIES:

4.1. Price quoted should be inclusive of all applicable Taxes/charges but Excluding GST. The Contractor shall pay all other taxes, fees, royalty, commission etc. which may be levied on the contractor in executing the contract. In case BHEL is forced to pay any of such taxes, it shall be recovered from Contactor's bills or otherwise as deemed fit. GST Shall be payable extra as per following :-

4.2. Contractor/Vendor has to issue invoice indicating HSN/SAC code, Description, Value, Rate, applicable tax and other particulars in compliance with the provisions of relevant GST Act and Rules made thereunder. With the implementation of e way bill provisions, contractor shall comply with same as applicable.

4.3. Vendor has to submit GST compliant invoice within seven days from the due date of invoice as per GST Law. In case of delay, BHEL reserves the right of denial of GST payment if there occurs any hardship to BHEL in claiming the input thereof. In case of goods, vendor has to provide scan copy of invoice & GR/LR/RR to BHEL before movement of goods starts. Special care should be taken in case of month end transactions.

4.4. Applicable GST amount shall be released on fulfilment of all the following conditions by the Contractor :-

- a. Supply of goods and/or services have been received by BHEL.
- b. Original Tax Invoice has been submitted to BHEL.
- c. Respective invoice has appeared in BHEL's GSTR - 2A for the month corresponding to the month of invoice. Alternatively, BG of appropriate value may be furnished which shall be valid at least one month beyond the due date of confirmation of relevant payment of GST on GSTN portal or sufficient security is available to adjust the financial impact in case of any default by the contractor.

4.5. TDS under GST laws as applicable shall be deducted.

4.6. Contractor shall be solely responsible for discharging his GST liability according to the provisions of GST Law and BHEL will not entertain any claim of GST/interest/penalty or any other liability on account of failure of contractor in complying the provisions of GST Law or discharging the GST liability in a manner laid down thereunder.

4.7. In case declaration of any invoice is delayed by the vendor in his GST return or any invoice is subsequently amended/alterd/deleted on GSTN portal which results in any adverse financial implication on BHEL, the financial impact thereof including interest/penalty shall be recovered from the Contactor's due payment.

4.8. Any denial of input credit to BHEL or arising of any tax liability on BHEL due to non-compliance of GST Law by the Contractor in any manner, will be recovered along with liability on account of interest and penalty (if any) from the payments due to the Contactor.

4.9. The admissibility of GST, taxes and duties referred in this chapter or elsewhere in the contract is limited to direct transactions between BHEL & its Contractor. BHEL is not responsible for any liability that may arise due to any transaction beyond the direct transaction between BHEL & its Contractor.

4.10. Variation in Taxes & Duties:

Any upward variation in GST shall be considered for reimbursement provided supply of goods and services are made within schedule date stipulated in the contract or approved extended schedule for the reason solely attributable to BHEL. However downward variation shall be

subject to adjustment as per actual GST applicability.

In case the Government imposes any new levy/tax on the output service/goods after price bid opening, the same shall be reimbursed by BHEL at actual. The reimbursement under this clause is restricted to the direct transaction between BHEL and its contractor only and within the contractual delivery period only.

In case any new tax/levy/duty etc. becomes applicable after the date of Bidder's offer but before opening of the price Bid, the Bidder/Contractor must convey its impact on his price duly substantiated by documentary evidence in support of the same before opening of price bid. Claim for any such impact after opening the price bid will not be considered by BHEL for reimbursement of tax or reassessment of offer.

4.11. Modalities of Tax Incidence on BHEL:

Where GST law permits more than one option or methodology for discharging liability of tax / levy / duty, the contractor shall approach BHEL before choosing any option to discharge his tax liability. BHEL shall have the right to direct the contractor to adopt the appropriate option considering the amount of tax liability on BHEL as well as procedural simplicity with regard to assessment of the liability.

The option chosen by BHEL shall be binding on the contractor for discharging the obligation of BHEL in respect of the tax liability to the contractor.

5. DELIVERY:

Dispatch of material shall be completed within 08 Weeks from the date of issuance of Purchase Order.

Note: LR/ GR/ RR date (treated as the date of dispatch) shall also mean as date of Delivery for levying LD. However if date of receipt of material at destination is beyond ten (10) days from the date of LR, such excess period shall be considered for LD purpose.

6. MODE OF DISPATCH & ROAD PERMIT: Supplier's scope. E-way bill / road permit (if applicable) to be arranged by supplier.

7. TRANSIT INSURANCE: Transit Insurance of material is in Supplier's scope. Supplier shall insure the material at their cost for transportation.

8. QUALITY PLAN: Vendor shall submit their 'Quality Plan' for approval of BHEL with the technical bid.

9. INSPECTION: Pre dispatch inspection shall be carried out at supplier's works by BHEL engineer as per approved quality plan. Supplier has to inform well in advance (7 days) about the readiness of material for inspection. Supplier has to make all arrangement for the inspection within the quoted rate. Final inspection will be done at site.

10. COMMISSIONING, DEMONSTRATION & TRAINING:

- a) Demonstration will be done on receipt of material at destination. Training for operation & maintenance should be provided to BHEL/contractor persons during commissioning.
- b) Commissioning to be completed within one (01) week of receipt of material at site.

11. VALIDITY OF OFFER: Offer should be valid for a period of 90 Days from the date of Techno-commercial Bid (Part-I) opening.

12. PAYMENT TERMS:

- a) On receipt of material, 90% payment (excluding GST) shall be released within 45 days from the date of receipt of complete invoice (including all documents mentioned in cl.no. 16 below). No advance shall be paid against the supply.
- b) Balance 10% payment shall be released after successful demonstration of above item & submission of all final documents including warranty certificates, Test/calibration certificates, as applicable, demonstration certificate issued by BHEL.
- c) Applicable GST shall be released upon compliance of conditions mentioned in **clause no. 4.4** of SCC above.

13. PERFORMANCE BANK GUARANTEE (PBG): Supplier shall furnish bank guarantee equal to 10% of the Order value excluding GST as per **clause 10** of General Commercial Terms & Conditions of GCC against Guarantee Period as per **Clause No. 15** of SCC.

14. PAYING AUTHORITY: Sr. Manager-Finance, BHEL-PSNR Noida.
But bill to be sent to DGM-PURCHASE, BHEL PSNR, Plot no.25, Sector 16 A, Noida -201301.

15. GUARANTEE / WARRANTY: The Construction Power Equipments along with accessories and details as Per Technical Specification (Part-A) offered shall carry a warranty for a period of 12 months from the date of commissioning or 18 months from date of invoice whichever is earlier. Rectification / replacement required during the warranty period will be arranged by the supplier free of cost including to and fro transport charges and Taxes / duty/insurance etc. payable on replacement items.
Supplier to submit the Performance Bank Guarantee (PBG) equivalent to 10% of the Order value excluding GST which shall be valid up to 12 months from the date of commissioning or 18 months from date of invoice whichever is earlier.

16. DOCUMENTS REQUIRED ALONG WITH DISPATCH OF MATERIAL (Billing Documents): The following documents are required with dispatch:

1. Original Tax Invoice (As per Cl. No. 4 above).
2. Copy of LR.
3. Test/ Calibration Certificate.
4. Warranty certificate.
5. Performance Bank Guarantee (PBG).
6. O&M manuals-2 sets.
7. Part manuals-2 Sets.
8. List of recommended Spare parts required for 2 year operation-2 Sets.

17. TEST/CALIBRATION CERTIFICATE: Test certificates to be sent along with supply.

18. MSE BIDDER: As per **clause 10** of Instruction to Bidders of GCC.

19. REVERSE AUCTION: As per **clause 9** of Instruction to Bidders of GCC.

20. LIQUIDATED DAMAGE: As per **clause 15** of General Commercial Terms & Conditions of GCC.

21. ORDER OF PRECEDENCE:

In case of contradiction / conflict, the order of precedence shall be in the order as per **clause 24** of General Commercial Terms & Conditions of GCC.