



BHARAT HEAVY ELECTRICALS LTD.
 (A GOVT. OF INDIA UNDERTAKING)
 P.O BHEL Jhansi - 284129, INDIA
 Tel.:0510-277001/2412260 Fax: 2412120
 Email : mmx@bheljhs.co.in

PURCHASE ENQUIRY

ENQ NO/DT: E7160609 28/04/16
 REV NO/DT: 0 28/04/16

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M/s P80550 PRESS TENDER ENQUIRY
 DUMMY CODE GIVEN FOR PRESS TENDER
 ENQUIRIES ONLY.
 JHANSI
 NA FOR FOREIGN SUPPLIER INDIA
 TIN NO :

PLEASE SEND YOUR BEST QUOTATION AS PER TERMS & CONDITIONS
 PREPRINTED OVERLEAF AND/OR ATTACHED AND REMARK PRINTED
 UNDERNEATH.

Enqr Due on:	31-05-16 TUESDAY
Close at:	13:15 Open at:14:00
Matcat:	714001 CAPITAL ITEMS
Validity:	90 days from Technical bid opening date
IEM:	
TOP:	See Special Remarks
RA:	RA not applicable
Eval:	Item wise
Bid Type:	TWO BID
Tot Item:	1
Delivery:	FOR Jhansi
E-Proc:	No

REQUIRED:

ITEM NO : 1
 MATL CODE : NP3620016001
 DESTINATION: JS

PSL QTY/UM: 3.00 NO
 PO QTY /UM:

DESCRIPTION	DELIVERY	QUANTITY (PSL UM)
THREE PHASE DIGITAL POWER ANALYZER AS PER ATTACHED TECHNICAL SPECIFICATION REF. NO. 636260001 REV.00	AUG-16	3.00

SPECIAL REMARKS:

- 1-INSPECTION TO BE DONE BY BHEL AT BHEL.
- 2-INSTALLATION / TESTING , COMMISSIONING & CALIBRATION AT BHEL JHANSI WORKS.
- 3-VALUE OF INSTALLATION/ TESTING & COMMISSIONING SHALL BE MINIMUM 05% OF TOTAL ORDER VALUE.
- 4-PERFORMANCE CERTIFICATE OF OFFERED MODEL SUPPLIED TO DIFFERENT CUST SINCE LAST 02 YEARS.
- 5-FINANCIAL QUALIFYING CRITERIA AS PER ANNEXURE B.
- 6-DETAIL TECHNICAL CATALOGUE FOR THE EQUIPMENT IS TO BE FURNISHED.
- 7-GUARANTEE/TEST CERTIFICATE WILL BE REQUIRED.
- 8-CONTACT NOS. & e-mail SHOULD BE PROVIDE FOR ANY CORRESPONDANCE.
- 9-PBG OF 10% OF BASIC VALUE IS REQUIRED AS PER CLAUSE 19 OF OUR CAPITAL TERMS & CONDITIONS.
- 10-COST OF TENDER SHALL BE RS.500.00 INCLUSIVE OF VAT.
- 11-VENDER TO BE SUBMIT DULY FILLED TECHNICAL SPECIFICATION AS PER ANNEXURE-A.
- 12-ALL DOCUMENTS UPLOADED WITH ENQUIRY SHALL BE RETURNED WITH STAMP & SIGNED OF PARTY ALONG WITH OFFER.
- 13-PLEASE SEND YOUR OFFER IN TWO SEPARATE ENVELOPE (TWO BID SYSTEM) AS PER DETAILS GIVEN BELOW:-
 - IN ENVELOPE "A"
 ----- PLEASE SEND YOUR TECHNICAL + COMMERCIAL OFFER EXCEPT PRICE. PLEASE INDICATE CLEARLY ON THE COVER OF ENVELOPE "TECHNICAL + COMMERCIAL OFFER" AND ENQUIRY NO. WITH DUE DATE. PLEASE ALSO SUBMIT BLANK PRICE BID I.E. WITHOUT RATES ALONG WITH THE TECHNICAL + COMMERCIAL OFFER.
 - IN ENVELOPE "B"
 ----- PLEASE INDICATE PRICE ONLY AND INDICATE CLEARLY ON THE COVER OF ENVELOPE "PRICE BID" AND ENQUIRY NO. ENVELOPE A + B SHOULD BE SENT IN SEALED ENVELOPE ON WHICH ENQUIRY NO. AND DUE DATE IS MENTIONED ON COVER.
- 14-ALL THE TERMS AND CONDITION UNLESS OTHERWISE SPECIFIED ARE AS PER CAPITAL T&C REV-00 DATED 17-08-12

THE QUOTATION MUST BE SEALED AND BE SENT IN DOUBLE ENVELOPE.
 THE INNER ENVELOPE SHOULD BEAR ENQUIRY NUMBER & DUE DATE AT THE TDP.

In case the bidder has not submitted PAN No, TIN No. and E-mail ID, the bidder has to submit the same



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along with the copy of PAN No and TIN No. Else his offer will be liable to be rejected.

If you are not in a position to quote due to any reason, you must send regret letter titled enquiry no. etc, failing which you may not be considered for sending future enquiries.

ENCLOSERS:

FOR AND ON BEHALF OF
 BHARAT HEAVY ELECTRICALS LTD

B K Manjhi
 B K MANJHI
 DY GENERAL MANAGER (MM)
 Email:-bkmanjhi@bheljhs.co.in

***** END OF PURCHASE ENQUIRY *****

NOTE :

- * SUPPLIERS ARE REQUESTED TO INFORM US WITH VALID CERTIFICATE, IF THEY ARE REGISTERED UNDER MSMED ACT'2006. (APPLICABLE FOR INDIAN SUPPLIERS ONLY).
- * FOR SUPPLIERS SUPPLYING FROM OUTSIDE THE LOCAL AREA OF BHEL JHANSI, ENTRY TAX WILL BE APPLICABLE. SUPPLIERS SHOULD NECESSARILY INDICATE RATE OF ENTRY TAX SEPARATELY WHEREVER APPLICABLE. THEY SHOULD ALSO MENTION THE ENTRY TAX CHARGED SEPARATELY IN THE INVOICE.
- * FOR SUPPLIERS SUPPLYING FROM OUTSIDE UP, IN CASE THE OFFER IS SILENT ON ENTRY TAX, IT SHALL BE LOADED SUITABLY WITH THE APPLICABLE RATES
- * IN CASE IF THERE IS ANY DIFFERENCE BETWEEN THE 'SPECIAL REMARKS/ANNEXURES' OF THE ENQUIRY AND THE PREPRINTED TERMS & CONDITIONS (REF JSC140/M2053), THE REQUIREMENT GIVEN IN REMARKS WILL PREVAIL.



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TERMS & CONDITIONS FOR PURCHASE ENQUIRY

1. Offer must be submitted in a sealed cover. The cover should bear our enquiry number, due date of opening and name of her bidder.
2. When offer is invited in two bids, outer cover, inner cover-I (Techno Commercial bid) and inner cover -II (Price-Bid) must bear our tender no., due date and bidders name.
3. The offer should reach this office on or before 13:15 hrs. on the due date. The tender can also be dropped in the Tender Box kept at Administrative Building Gate. The tenders will be opened after 14:00 hrs. on the due date in presence of all bidders who will be present.
4. Offer should be free from overwriting or erasures. Corrections or additions, if any should be attested.
5. No enhancement of rate for whatever cause is allowed once the offer is accepted and the order is placed. Withdrawal from the quotation after it is accepted or failure to make the supply within the schedule period will entail cancellation of order, forfeiture of earnest money if any and/or imposition of risk & cost purchase.
6. Material offered should be of required quality and conforming strictly to our specification/drawings or to the specifications in the drawings. Any deviation must be clearly stated in the offer with particular clause/detail in our specification/drawing for which deviation is quoted. All required documents/details e.g. QA Plan, type TCs, drawings and date sheet etc. must be submitted along with the offer.
7. Irrespective of whether it is mentioned in our specification, all machines/equipments are required to be calibrated in metric units and certificates "must be issued where applicable".
8. Work test certificates/Inspection certificates/guarantee certificate/compliance certificate, etc. will be required to be submitted along with supplies in case an order, is placed.
9. In case an order is placed, supplier shall be required to guarantee for smooth and satisfactory performance of the equipment for a period of 24 months from the date of dispatch or 18 months from the date of commissioning whichever is earlier and certificate must be issued to this effect. Necessary instruction booklets for operation and maintenance are to be sent with supply where applicable.
10. Sample must be submitted where specified so as to reach us on or before the due date of tender.
11. Required lead time for affecting supplies along with available capacity should be indicated in the offer.
12. Failure to supply by the time specified on the order will make the supplier liable to pay unconditional penalty of ½% of the prices of goods in arrear per week subject to a maximum of 10% of the order value unless agreed otherwise.
13. The quantities for each item to be purchased may vary from the tendered quantity according to our actual requirement at the time of placing orders.
14. PAYMENT TERMS:
 - i) Our standard terms of payment is 100% payment after 60 days of acceptance of material at our works. In no case, interest for over due period will be borne by BHEL. Advance or LC payment terms shall generally not be considered and offers received with other than our standard terms of payment can be bypassed (except SIDBI discounting facility will be accepted for suppliers to whom this facility has been granted).
 - ii) The bidders who are covered under MSMED Act- 2006 & quoted 45 days of payment after acceptance of material will also be treated as standard terms of payment. MSE suppliers can avail intended benefit only if they submit along with the offer, attested copies of either EM II certificate having deemed validity (5 years from the date of issue of acknowledgement in EM II) or a valid NSIC certificate or EM II certificate along with



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attested copy of a CA certificate (Format enclosed at Annexure-1 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 validity will be the date of bid opening (Part 1 in case of two part bid). Non submission of such documents will lead to consideration of their bids at par with other bidders. No benefit shall be applicable for this enquiry if deficiency in the above required documents are not submitted before price bid opening. If tender has 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 gazette officer.

15. Bharat Heavy Electricals Ltd. Does not bind itself to accept the lowest of any tender, but reserves to itself the right to accept or reject all or a part of any tender at its discretion following BHEL Purchase Policy & government guidelines.

16. In all cases of disputes, the matter shall be referred for arbitration. The arbitrator shall be nominated by the Unit Head, Bharat Heavy Electricals Ltd., Jhansi or any other officer nominated by him. The award of arvitratror shall be final and binding on both the parties.

17. In case of any suit or other legal proceedings under or relating to this tender, the courts at Jhansi shall have full, jurisdiction.

18. Total delivered cost at BHEL Jhansi Railway siding/Works shall be the criterion for deciding the tender.

19. Unless otherwise specified, offer should be on ex-works basis with freight & insurance to be borne by BHEL.

20. Your quotation against this enquiry must be valid for ordering upto minimum of 90 days from the date of tender opening.

21. The offer of the bidders who are on the banned list as also the offer of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL website www.bhel.com. Likewise, the offers of those bidder(s) will not be considered if the business dealings have been suspended (under hold / delisting) by BHEL , Jhansi with the bidder(s) during the given period.

22. ADDITIONAL FOR INDIAN SUPPLIERS:

i) If any material is booked to selves or if it is not consigned to BHEL Jhansi, any warfage or demurrage occurring from these shall be to the account of supplier. In case of road transport, material shall be booked only through our rate contract transporters mentioned in the purchase order.

ii) Where there is provision for payment of Sales Tax extra, it will be paid only if the registration number both under State Sales Tax and Central Sales Tax are specically mentioned on the bill/invoice. Your Sales Tax Registration number should be mentioned in the offer positively.

iii) Excise duty Gate Pass will be required in original. Applicable taxes & duties must be included in the offer.

23. ADDITIONAL FOR FOREIGN SUPPLIER:

i) For documentation and correspondence language shall be English only.

ii) Rates quoted should be on FOB basis. All dispatches are to be made by sea by IPBC conference vessels only unless otherwise stated in purchase order.

iii) Agncy commission, if any, will be paid out of the FOB value after receipt & acceptance of material at BHEL Jhansi in Indian Rupees. TT buying exchange rate prevailing on the tender opening date or the letter of credit date or date of purchase order whichever is lowest will be considered for calculating the agency commission.

iv) The rates quoted should be inclusive of charges of packing and delivery of material upto the port of shipment on FOB terms. The material is required to be packed suitably in all respects considering the peculiarity of the material for normal transport by Sea/air and subsequently by Rail/Road in India suitably protected against the effect of tropical



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salt laden atmosphere in the event of consignment being delayed at Indian Ports before outward clearance. You should also furnish details of shipping specification, sizes, volume, weight, number of cases etc. When articles are packed with packing material of plant origin, phytosanitary certificate will be required.

v) Our standard terms of payment is 100% payment through bank against dispatch documents or 100% through sight irrevocable & unconfirmed letter of credit.

24. DEALING WITH INDIAN AGENTS OF FOREIGN SUPPLIERS

i) BHEL shall deal directly with foreign vendors, wherever required, for procurement of goods. However, if the foreign supplier desires to avail of the services of an Indian Agent, then the foreign supplier should ensure compliance to regulatory guidelines which require mandatory submission of an Agency Agreement.

ii) It shall be incumbent on the Indian Agent and the foreign principal to adhere to the guidelines of the Government of India, issued from time to time.

iii) 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 the services to be rendered by the 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 made explicit in order to ensure compliance to laws of country.

iv) Any agency commission to be paid by BHEL to the Indian Agent shall be in Indian Currency only.

v) Tax deduction at source is applicable to the agency commission paid to the Indian Agent as per the prevailing rules.

vi) In the absence of any agency agreement, BHEL shall not deal with any Indian agent (authorized representative / associate / consultant, or by whatever name called) and shall deal directly with the foreign principal only for all correspondence and business purposes.

25. Please also refer to our tender for any other terms and conditions.



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Annexure-B.

Financial Qualification Criteria against Indent No. 636260001 are as...

1. Party should have at least annual turnover of Rs. 25 Lakhs/- (Minimum) since last three consecutive years
2. Party must have executed at least 02 orders per year of similar testing instruments each of value should be more than the present tender in last three years.
Party to provide contact No., Person Name and address where equipment's is working satisfactorily since last 02 years for similar application.
3. Party should submit their certified balance sheet copy at last 02 consecutive years.

Pranav
2004/16
(प्रमोद नोगरिया)
उप महाप्रबन्धक
(गणक एवं स्थलगत परियोजना परीक्षण)
बी.एस.डी.एल. ड्राफ्टिंग

TECHNICAL SPECIFICATIONS
THREE PHASE DIGITAL POWER ANALYZER

Sl. No.	Description	Vendor to Specify
1	Purpose: 1.1: Power analyzer is required for precise measurements of single or three phase current and voltage (Vrms, Vmean & Vdc), harmonics analysis as well as calculations of Power & Energy Measurement at low power factor and other derived values of Power transformers (up to 400 kV, 315 MVA rating), rectifier transformer (up to 120 KA current rating), Dry Type Transformers & Freight Loco Transformer etc.	
2	General Requirements: 1: The test set should be able to give the direct readings of applied Current, Voltage, Power, Energy, Frequency, Power Factor, Harmonics, to the test object automatically. 2: A/D Converter – 16 Bit resolution, Sampling rate 51 KHz or better 3: Built-in memory locations to Store & Recall different setup information files 4: Built-in data memory to store /recall minimum 500 measured data items with selectable storing & recalling intervals. 5: Compact in size, weight not more than 3 Kg. (Approx)	
3	Software: 1: User friendly PC based software for controlling the power analyzer, acquisition of all parameters communicated, display for data, computation and analysis of the measured data. 2: Inbuilt USB, RS-232 Interface for PC communication, acquiring Software for communication, acquiring & managing measurement data on PC	
4	Input power supply 230 V AC \pm 10% , 50 Hz Single phase	
5	Configuration/ Wirings Select from single-phase, two-wire (1P2W); single-phase, three-wire (1P3W); three-phase, three-wire (3P3W); three-phase, four-wire (3P4W); or three-voltage, three-current (3V3A)	
6	Display: 1: 5 Digit, Four independent 7 segment bright LED displays or better 2: Max, hold function and Average Active Display function 3: Display update rate- 0.1 sec to 5 sec	
7	No. of Input Elements for voltage & Current 1: Three or more 2: Type- Isolated for simultaneous 3-phase measurement, plug in, floating.	
8	Range Selection Manual & Auto (Auto ranging function when feeding unknown input quantities)	
9	Voltage Input Range 15V to 600V AC/DC (Direct input) Accuracy – 0.1 % of reading for full range, at range 45 Hz - 65 Hz	
10	Current Input Range 5 mA to 20A AC/DC (Direct input) Accuracy – 0.1 % of reading for full range, at frequency range 45 Hz - 65 Hz	
11	Frequency Response DC & 0.5 Hz to 100 kHz	

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20/06/15

12	Power & Energy Measurement	W, kW, kVA, kVAh, kWh, kVAh, kVAh Accuracy – 0.1 % of reading, at frequency range 45 Hz - 65 Hz , at unity & low pf also.	
13	Measurements Mode	Vrms, Vmean & Vdc (Values/Data of Vrms & Vmean, Irms, Frequency, Power & Power Factor etc are to be hold in single hold)	
14	Measurement Parameters	Voltage of each phase, Current of each phase, Watt of each phase, Power Factor of each phase, \pm kWh, \pm kVAh, kVA, kVA, Current Frequency of each phase, Voltage frequency of each phase, Phase angle, Voltage peak, Current peak, Crest factor of Voltage & Current	
15	Harmonics Measurement function	Harmonic Analysis up to 50 th order, System Frequency 40 Hz to 440Hz, Analysis Parameters – Voltage, Current, Active Power, Phase angle, Individual Harmonic Levels, RMS Voltage, RMS Current, Active Power, Fundamental Frequency PF, Harmonic Distortion rate, individual harmonic content	
16	Scaling	User programmable CT/PT ratio Scaling Function for obtaining direct display of voltage & current of primary side.	
17	Line Filter	Line filter function to measure fundamental wave rms values of inverter output	
18	Averaging function	Exponential average & moving average up to 64 numbers	
20	Electromagnetic Compatibility	All components should comply with the requirements of IEC recommendation	
21	Make	The offer will be of reputed make Fluke /Norma /Yokogawa/Hioki /Voltech	
22	Safety Arrangements	1: System should have adequate and reliable safety interlocks / devices to avoid damage to the system, work piece and the operator due to the malfunctioning or mistakes. 2: All electronics parts are housed in shielded enclosures.	
23	Cables	All necessary power and control cables for smooth operation for the instrument will supplied with system.	
24	Spares & Accessories	1. All necessary spares for two years trouble-free operation. Spares are optional and price to be quoted item wise separately. 2. Vendor to furnish list and details of accessories if any	
25	Environmental conditions: Operating Temperature: 0 °C to 50 °C, Humidity: 0-90% non-condensing, Storage Temperature: 0 °C to 50 °C, Ambient Temperature: 0 °C to 50 °C		

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20.06.18

