



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: E7130569 01/02/14
 REV NO/DT: 1 13/10/15
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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 :

OUR ABOVE ENQUIRY OF PREVIOUS REV & DATE IS AMENDED WITH
 FOLLOWING CHANGED / ADDED ITEMS.

Enqr Due on:	13-11-15 FRIDAY
Close at:	13:15 Open at:14:00
Matcat:	714001 CAPITAL ITEMS
Validity:	180 days from Technical bid opening date
IEM:	
TOP:	60 Days after receipt & acceptance of Material
RA:	RA not applicable
Eval.	Item wise
Bid Type:	TWO BID
Tot Item:	1
Delivery:	FOR Jhansi
E-Proc:	No

REQUIRED:

ITEM NO : 1 PSL QTY/UM: 1.00 NO
 MATL CODE : NP3620013002 PO QTY /UM:
 DESTINATION: JS

DESCRIPTION	DELIVERY	QUANTITY(PSL UM)
INTEGRATING-AVERAGING SOUND LEVEL METER AS PER ENCLOSED TECHNICAL SPECIFICATION REF NO.-636230007.	APR-14	1.00

SPECIAL REMARKS:

- 1-REV-01 IS ISSUED TO RETENDER THE ENQUIRY.
- 2-INSTRUMENT ALONG WITH ACCERISSORIES SHOULD FULFILL THE REQUIREMENT OF RELEVANCE INST/IEC STANDERD.SUPPLIER CALIBRATION CERTIFICATE TRACEABLE TO NATIONAL/ INTERNATION STANDERD TO BE PROVIDE.
- 3-SAME MODEL MUST BE IN OPERATIONAL CONDITION FOR MORE THAN TWO YEARS IN INDIA AND PERFORMANCE CERTIFICATE OF THE OFFERED MODEL SHOULD BE SUBMITTED WITH TECHNICAL BID.
- 4-INSTALLATION , COMMISSIONING ● TO BE DONE AT BHEL JHANSI WORKS.
- 5-COMMISSIONING CHARGES SHALL BE ASSUMED APPROX 5% OF THE TOTAL INDENT VALUE.
- 6-NECESSARY SPARES SHOULD BE SUPPLIED WITH THE INSTRUMENT FOR AT LEAST TWO YEARS TROUBLE FREE OPERATION.
- 7-INSPECTION TO BE DONE BY BHEL AT BHEL.
- 8-ANNEXURE I-V CAPITAL TERMS & CONDITION TO BE SUBMITTED ALONG WITH OFFER DULY FILLED IN AND SIGNED.
- 9-EMD SHALL BE NIL.
- 10-CEBG (SD) SHALL BE NIL.
- 11-PBG OF 10% VALUE IS REQUIRED AS PER CLAUSE NO. 19 OF OUR TERMS AND CONDITION.
- 12-COST OF TENDER SHALL BE RS. 500 INCLUSIVE OF VAT.
- 13-ALL THE TERMS AND CONDITION UNLESS OTHERWISE SPECIFIED ARE AS PER CAPITAL T&C REV-00 DATED 17-08-12
- 14-ALL DOCUMENTS UPLOADED WITH ENQUIRY SHALL BE RETURNED WITH STAMP & SIGNED OF PARTY ALONG WITH OFFER.
- 15-ENQUIRY IS BEING FLOATED IN "TWO BID" SYSTEMS. PLEASE SEND YOUR OFFER IN TWO SEPARATE ENVELOPE 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.



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

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

13.10.15

FOR AND ON BEHALF OF
 BHARAT HEAVY ELECTRICALS LTD

B K Manjhi 13/10/15
 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.



**TECHNICAL SPECIFICATIONS OF INTEGRATING - AVERAGING
SOUND LEVEL METER**

(COMPLIANCE SHEET)

Sl. No.	Description	Remarks / Vendor to Specify
1	General Purpose: The Instrument should be fully automatic and suitable to use for assessment of Environmental Noise Levels, measurement of noise in workplace like Humming Noise level of power Transformers & Rectifier transformer at its rated voltage.	
2	Standards: The instrument should comply with all the latest Sound Level Meter Standard (IEC 61672-1:2002 class 1, IEC 60651 Type-1(1979), IEC 60804 Type 1(2000) & ANSI S1.4-1983 Type S1, ANSI S1.43-1997 Type1). Class-1 precision, Robust and easy to use.	
3	Type: Instrument should be of Integrating averaging Sound Level Meter. Simple in use-just point and measure. It should measures the equivalent, or average, sound pressure level L_{eq} and also capable to measure the instantaneous, maximum and peak sound pressure levels at the same time.	
4	User Interface: Start/stop key: for starting & stopping the measurements Parameter Keys: for selecting required parameters to display Range Key- for selecting the measurement range.	
5	Parameters: Should measured four parameters simultaneously: L_{AF} : Instantaneous sound pressure level, frequency weighting 'A' and time weighting 'F'. L_{AFmax} : Maximum sound pressure level, frequency weighting 'A' and time weighting 'F'. L_{Aeq} : Equivalent continuous sound pressure level, frequency weighting 'A'. L_{Cpeak} : Maximum peak sound pressure level, frequency weighting 'C'.	
6	Resolution: 0.1 db for all four parameters	
7	Measuring Ranges: RMS: Total range 30- 130 db, Peak: 60 – 143 db Noise Floor below measurement range <25 db. Linear Operating range : 80 db Accuracy Class: 1 tolerances of the latest sound level meter standard. : ± 1.5 db	
8	Detectors: Simultaneous RMS & Peak with independent frequency weightings.	
9	Frequency Range: 20 Hz to 16 kHz	
10	Frequency Weightings: A- Weighting (RMS) C- Weighting (Peak) Time Weighting: F- (Fast)	
11	Microphone: Prepolarized Free field 1/2" Condenser Microphone. Sensitivity : - 30 db re 1V/Pa ± 2 db (Corresponding to 31.6 mV/Pa) Frequency Range: 8 Hz to 16 kHz ± 2 db	

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12	Display: Large LCD Display should showing following... <ul style="list-style-type: none"> • Input signal level-indicating with a quasi analogue bar • Selected parameters with level • Warning for low battery, measurement in progress, overload and under range. Over load and under range indicators. • Measuring range • Frequency and time weighting • Elapsed measurement time (from 00 min 00 s up to 60min 00 s) 	
13	Update Cycle: 1 Second (numeric), 0.1 Second (bar graph)	
14	Settling Time: Less than 05 Second.	
15	Environmental Conditions: Operating Temperature: 0 °C to 50 °C, Storage Temperature: 0 °C to 50 °C,	
16	Batteries: 1.5 V Cells LR 6/AA-size alkaline batteries (non-rechargeable type) Power consumption during normal operation: Should be less than 300 mW. Life time (at room temperature) : Should be approx 16 Hrs.	
17	Physical characteristics: Dimensions:250 x 80 x 40 mm (max) including microphone Weight: should not be more than 250 grams including batteries	
The Test equipment shall be offered complete with the items as mentioned below...		
18	<ul style="list-style-type: none"> • Main Equipment with different type of accessories needed including Prepolarized Free field 1/2" Condenser Microphone, Random incidence corrector, Pouch, Protective cover, Screwdriver, batteries etc. • Two sets of operating and maintenance manuals in English language. • Original technical catalog to be included along with technical bid. • Three sets of calibration reports with following data i.e. Calibration date, periodicity, calibration validity duration & next calibration due date. Traceability details of standard used for calibration. All documents should be endorsed by authorized signature. 	
19	Price of one set of spare - Prepolarized Free field 1/2" Condenser Microphone suitable to offered model to be quoted separately	
20	Performance & Warranty Certificate: The Supplier shall guarantee the product performance for 24 months from the date of successfully commissioning at our works and shall provide spares and services during guarantee period to maintain the Sound Level meter in working condition.	
21	Installation/Commissioning/Acceptance: Installation/Commissioning of the instrument to be done at BHEL Jhansi works by supplier's representative free of charge. Demonstration of all features of Sound Level Meter & all accessories to satisfaction of BHEL for their efficient and effective use. Instrument shall be accepted only after successful calibration at our end.	
22	Live Demonstration: Live demonstration of offered meter shall be called during technical evaluation if required.	
Note: Supplier should submit his technical compliance/comments against each of the above points in above format. Technical bid without complete technical compliance sheet will not be considered for technical evaluation.		

Checked & Approved By

Prepared by