

	BHARAT HEAVY ELECTRICALS LIMITED	Enquiry No. :
	HEAVY POWER EQUIPMENT PLANT	Due Date :
	RAMACHANDRAPURAM,	Supplier Qtn. No.:
	HYDERABAD - 502 032	Date :

**TENDER DOCUMENTS TO BE FILLED BY THE SUPPLIER FOR SUPPLY OF  
SOUND LEVEL METER**

The "Offered" Column and where applicable, the "Deviations" & "Remarks" Column of this format shall be filled in by the Vendor and submitted along with the offer. Inadequate / incomplete, ambiguous, or unsustainable information against any of the clauses of the specifications/requirements shall be treated as non-compliance.

**ADDRESS OF THE SUPPLIER :**

**TELEPHONE NOS.:**

**FAX NOS.:**

**E-MAIL ADDRESS :**

Sl. No.	Description for BHEL Requirement	To be Specified / Confirmed by Vendor	Offered	Deviations	Remarks
<b>1.0</b>	<b>Purpose of the Equipment:</b>				
1.1	The intent of specification is to procure a Sound level meter for measurement of Noise during testing Gas Turbines.	Vendor to confirm			
<b>2.0</b>	<b>Basic Requirements:</b>				
2.1	Sound level meter shall be hand-held portable type. Easy to operate on site and readings should be clearly visible even in day sunlight.	Vendor to confirm			
2.2	Sound level meter should have internal and external memory and should be interface able to computer to transfer the data recorded.	Vendor to confirm			
<b>3.0</b>	<b>Scope of Supply:</b>				
3.1	This specification covers the design, manufacturing, assembly, testing at manufacturer's works and supply of complete Sound level meter as complete equipment.	Vendor to confirm			
3.2	Necessary accessories such as wind screen, battery charger, extension cable, protective case etc., shall be supplied	Vendor to confirm			
<b>4.0</b>	<b>Microphone:</b>				
4.1	Pre-polarized free field ½" type and nominal sensitivity 50mv/Pa	Vendor to confirm			

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<b>5.0</b>	<b>Display:</b>				
5.1	Backlit LCD/LED screen visible in broad daylight also	Vendor to confirm			
<b>6.0</b>	<b>Management Display :</b>				
6.1	dB values of sound level should be displayed.	Vendor to confirm			
6.2	Spectrum display with one or two spectra superimposed.	Vendor to confirm			
6.3	Tabular display with one or two spectra in tabular form.	Vendor to confirm			
6.4	Cursor read out of selected point in the band in the display.	Vendor to confirm			
<b>7.0</b>	<b>Interface:</b>				
7.1	User Interface:	Vendor to confirm			
7.1.1	Key board containing push buttons, ON-OFF buttons for measurement and navigation control.	Vendor to confirm			
7.1.2	Status indicators	Vendor to confirm			
<b>8.0</b>	<b>Communication Interface:</b>				
8.1	USB interface or Modem interface or LAN interface	Vendor to confirm			
8.2	3.5 mm stereo jack output.	Vendor to confirm			
<b>9.0</b>	<b>Power supply:</b>				
9.1	Li-Ion rechargeable battery pack with external charger and operating time minimum 8 hours.	Vendor to confirm			
<b>10.0</b>	<b>Memory:</b>				
10.1	Internal memory	Vendor to confirm			
10.2	External memory provision in the form of Secure Digital memory card (SD Card) or Compact Flash memory card (CF Card) or equivalent memory	Vendor to confirm			
<b>11.0</b>	<b>Measurement:</b>				
11.1	A and C Frequency Weighting	Vendor to confirm			
11.1.1	Fast and slow Time Weighting	Vendor to confirm			
11.1.2	Peak level measurement.	Vendor to confirm			
11.1.3	Date and Time logging along with sound measurement and data can be retrieved based on date or time of logging.	Vendor to confirm			
11.1.4	Measured sound data can be exported to WINDOWS office applications such as Word/ Excel sheets etc and displayed in the form of tables or graphs.	Vendor to confirm			

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11.1.5	A-weighted dynamic range up to 140dB	Vendor to confirm			
<b>12.0</b>	<b>Applicable Standard:</b>				
12.1	Should confirm with national and international standards such as IEC 61672 and IEC 61252.	Vendor to confirm			
<b>13.0</b>	<b>Physical conditions:</b>				
13.1	Sound level meter shall be of light weight, hand held and easily portable	Vendor to confirm			
13.2	Meter should be shock proof	Vendor to confirm			
13.3	Operating temperature up to 50°C.	Vendor to confirm			
<b>14.0</b>	<b>Software:</b>				
14.1	Relevant software should be supplied which is capable of doing frequency analysis of the captured sound data and storing the results.	Vendor to confirm			
14.1	Software shall be compatible with Microsoft Windows Xp operating system or later version	Vendor to confirm			
14.1	Software shall be supplied in CD-form	Vendor to confirm			
<b>15.0</b>	<b>Packing and forwarding:</b>				
15.1	Dispatch shall be done in closed packing boxes consistent with requirements of safe transit. It shall be the suppliers responsibility to determine that the package done is adequate to preserve integration of the unit after being met the satisfactory visual check and such that the complete unit shall arrive at its destination in an undamaged condition (No mechanical damages, distortions dust and rain water entry etc.) and the unit is ready for its intended use.	Vendor to confirm			
15.2	Packing slips containing full information about the contents of the packing case should accompany the consignment.	Vendor to confirm			

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<b>16.0</b>	<b>Documents:</b>				
16.1	Dimensional details /drawings and catalogues shall be furnished for approval before manufacturing and 2 sets of O&M manuals along with final drawings and software CD shall be supplied with the equipment.	Vendor to confirm			
<b>17.0</b>	<b>General Requirements:</b>				
17.1	The complete offered system will be considered for procurement.	Vendor to confirm			
17.2	In case of any clarification required, the party taking part in tender shall contact BHEL and obtain written clarification regarding this tender.	Vendor to confirm			
<b>18.0</b>	<b>Pre-Qualifying criteria</b>				
18.1	Vendor shall be OEM or authorised agent of similar equipments.	Vendor to confirm			
18.2	Vendor should have supplied atleast one similar equipment in the last five years.	Vendor to confirm			
18.3	Vendor shall submit along with the offer the list of customers where similar equipment have been supplied mentioning broad specification & Model No. etc.	Vendor to provide details			