

	<b>BHARAT HEAVY ELECTRICALS LTD.,</b> <b>CORPORATE R&amp;D DIVISION</b> <b>VIKAS NAGAR, HYDERABAD-500093 (INDIA)</b>		Enquiry No. :	
			Date :	
	<b><u>PURCHASE SECTION</u></b>		<b><u>TECHNICAL SECTION</u></b>	<b><u>SPEC.NO.</u></b>
	91 40 2377 8474	<b><u>PHONE</u></b>	91 40 2377 4494 Ext.7326	<b>MR:26:09:002</b>
	91 40 2377 6320	<b><u>FAX</u></b>	91 40 23776320	
	Mr. P.K. Kakkar	<b><u>CONTACT</u></b>	Mr. G.Muralidharan	
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<b><u>TENDER DOCUMENT FOR SUPPLY OF ELECTRONIC / DIGITAL SHORE HARDNESS TESTER</u></b>				
<b>IMPORTANT</b>				
1. The offer and all documents enclosed with offer should be in <b>English language only</b> .				
2. Vendor must submit complete information against <b>Clause No. 11 Pre-Qualification Criteria</b> . <b><u>The offer meeting this clause would only be processed for Technical evaluation.</u></b>				
3. The Pre qualification criteria are <b>mandatory</b> requirements and <b><u>the technical bids will be evaluated only when the Pre Qualification criteria are met.</u></b>				
4. BHEL reserves the right to verify the information submitted by the vendor. <b><u>The offer with false/ incorrect/incomplete information may be rejected.</u></b>				
5.Pre qualification will be carried out based on the details furnished by the vendor / feedback from their customers / inspection of the company / product if required <b><u>by BHEL and at its sole discretion.</u></b>				
6. Vendor shall sign and stamp all sheets.				
7. Offers submitted shall be valid for a period of minimum 6(Six) months from date of commercial bid.				
8. Revised technical bid may be necessary should the specification need up gradation/ modification on first technical scrutiny.				

<u>VENDOR DETAILS</u>		<u>INDIAN AGENTS DETAILS</u>			
ADDRESS OF THE VENDOR :		ADDRESS OF THE INDIAN AGENT :			
TELEPHONE NOS.:		TELEPHONE NOS.:			
FAX NOS.:		FAX NOS.:			
CONTACT PERSON:		CONTACT PERSON:			
E-MAIL ADDRESS :		E-MAIL ADDRESS :			
SCOPE:	Supply, installation, commissioning and demonstration of Electronic / Digital Shore Hardness Testing Device (Durometer) and related accessories at BHEL, complying with the specifications listed in the NIT Spec.No.MR:26:09:002.				
Quantity:	<b>ONE (1) Set</b>				
Serial No.	DESCRIPTION OF REQUIREMENT	DESIRED TECH. SPECIFICATION ( TO BE CONFIRMED BY VENDOR)	OFFERED	DEVIATIONS (IF ANY, ELSE PRINT NONE)	REMARKS
1.0	<b>EQUIPMENT: Electronic / Digital hardness tester (Durometer) along with suitable stand for hardness tests to Shore A and D, as per ASTM D2240 and/or other equivalent standards with electronic / digital evaluation unit for data storage, statistic evaluation and data communication with serial interface RS 232, PC cable and standard test programme compatible with WINDOWS 2000 / XP / VISTA</b>	BHEL requirement			
1.1	The item shall be a fully integrated instrument, along with all necessary items / components / systems to measure Shore A and Shore D of polymeric and other samples.	Vendor to confirm & substantiate suitability of offered equipment			
1.2	Power requirement	Vender to specify			

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2.0	<b>Specification for Electronic / Digital hardness tester (Durometer)</b>				
2.1	<b>Design:</b> Electronic / Digital hardness tester (Durometer) along with suitable stand for hardness tests to Shore A and D, as per ASTM D2240 and/or other equivalent standards with electronic / digital evaluation unit for data storage, statistic evaluation and data communication with serial interface RS 232, PC cable and standard test programme compatible with WINDOWS 2000 / XP / VISTA	Vender to specify			
2.2	<b>Dwell Time:</b> Variable dwell time, preferably from 1 to 25 seconds	Vender to specify			
2.3	<b>Result Display:</b> Digital display of test parameters and test results	Vender to specify			
2.4	<b>Result Display Resolution:</b> 0.1 or better	Vender to specify			
2.5	<b>Accuracy:</b> $\pm 1$ or better of Hardness Unit	Vender to specify			
3.0	<b>OPTIONAL ACCESSORIES:</b>				
3.1	The vendor shall submit list of optional accessories along with complete specification with the technical offer.	Vender to specify			
4.0	<b>DOCUMENTATION :</b>				
4.1	Two sets of documents (Hard Copies) in English, as enumerated in Clause 24.2 to 24.6, should be supplied along with the machine.	Vendor to confirm			
4.2	Operating manuals in English for the instrument, systems, sub-systems and related Accessories.	Vendor to confirm			
4.3	Detailed Maintenance manual with all drawings, circuit diagrams in English. All Assembly / Sub Assembly Drawings shall also be supplied including part list.	Vendor to confirm			

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4.4	Test and Guarantee certificates in English	Vendor to confirm			
4.5	Catalogues of all bought out items including drawings where ever applicable, in English.	Vendor to confirm			
4.6	Complete Master List of parts in English used in the machine shall be supplied by the vendor.	Vendor to confirm			
<b>5.0</b>	<b>COMMISSIONING/ DEMONSTRATION :</b>				
5.1	Charges, if any, in INDIAN currency, towards the service charges / commission to the authorized Indian dealer(s) / representative(s) for sales & service, should be furnished in detail separately by the vendor along with the offer.	Vendor to confirm			
5.2	Charges and terms, if any, towards the commissioning and demonstration should be furnished in detail separately by the vendor along with the offer.	Vendor to confirm			
5.3	The offers shall be evaluated by appropriately loading the service charges / commission ( <b>Clause 26.2</b> ) & commissioning charges and other incidentals ( <b>Clause 26.3</b> ) on "Cost to the Company" basis, while evaluating the bid.	Vendor to confirm			
5.4	The vendor shall Demonstrate all features of the instrument and the accessories, including trial runs to the satisfaction of BHEL during the Commissioning / Demonstration.	Vendor to confirm			
<b>6.0</b>	<b>SPARES AND SERVICE :</b>				
6.1	Spares for trouble free operation for 2 years to be supplied along with main equipment. List of back up spares if any for additional two year shall be provided.	Vendor to confirm			
6.2	Vendor shall support the availability of spares and maintenance workforce for 10 years from date of commissioning.	Vendor to confirm			

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6.3	Vendor shall provide proof and details of servicing base facility, spare parts availability, etc. preferably in India.	Vendor to confirm			
7.0	<b>SAFETY ASPECTS:</b> The vendor must take care of all safety aspects regarding the equipment and operating personnel.	Vendor to confirm			
8.0	<b>PERFORMANCE GUARANTEE:</b> 12 months from the date of commissioning and acceptance of equipment.	Vendor to confirm			
9.0	<b>QUALITY:</b> The instrument must comply with all relevant ASTM, DIN, IEC & other National / International standards.	Vendor to confirm			
10.0	<b>GENERAL :</b> The vendor must supply the following information about the proposed equipment along with the offer :				
10.1	Instrument Model No.	Vendor to specify			
10.2	All essential accessories for the satisfactory operation are to be included and listed. Any additional accessories are to be mentioned separately.	Vendor to specify			
10.3	Vendor to supply, along with the offer, reference list of customers where similar instruments have been supplied, and mentioning broad specifications of supplied instruments.	Vendor to comply			
10.4	Detailed catalogue, sketch / photographs of the instrument and accessories / attachments should be submitted with the offer	Vendor to confirm			
11.0	<b>PRE-QUALIFICATION CRITERIA</b>				
11.1	The vendor should be of National / International repute. The vendor shall be an Original Equipment Manufacturer (OEM)	Vendor to confirm			
11.2	In the case of the vendor being the authorized Indian dealer(s) / representative(s) for sales & service, appropriate authorization letter from the OEM shall be provided.	Vendor to confirm			
11.3	Offer can be submitted by the OEM or their authorized dealers in India along with an authorization letter. However Purchase Order will be placed on the lowest, technically acceptable OEM only.	Vendor to confirm			

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11.4	If the offer is from an authorized representative in India , the Indian representative cannot quote for the same equipment from more than one OEM	Vendor to confirm			
11.5	The vendor or their authorized service representatives shall have trained engineers, preferably stationed in India for commissioning & service for the offered equipment and shall be in a position to provide prompt after sales service and spares support for our installations.	Vendor to confirm			
11.6	The details of the Indian customers with contact details, machine model installed, date of installation, broad specifications of supplied machines. etc. to be provided.	Vendor to comply			
11.7	Offer shall be for new instrument and not for any refurbished / used equipment. All the parts used in the instrument shall also be new and not used / refurbished ones. A declaration to the above effect to be furnished.	Vendor to confirm			
11.8	The vendor shall be in a position to undertake AMC or provide service support for the instrument supplied, after the expiry of the warranty/ guarantee period either directly or through an authorized, trained service representative stationed in India.	Vendor to confirm			
11.9	The vendor shall furnish a comprehensive warranty for at least 12 months from the date of commissioning or 18 months from the date of delivery, whichever is early.	Vendor to confirm			
11.10	The vendor shall guarantee the performance of the equipment for at least 12 months from the date of commissioning.	Vendor to confirm			
11.11	In addition to the normal offer containing all the relevant details the vendor may submit, the vendor is required to make appropriate entries in the respective columns of this NIT, sign and stamp all sheets. <b>Incomplete NIT form is likely to be rejected at the sole discretion of BHEL</b>	Vendor to comply			

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<b>12.0</b>	<b>OTHER REQUIREMENTS:</b>				
12.1	Payment shall be made to the vendor against submission of dispatch documents through an irrevocable Letter of credit in case of Foreign vendors and by Electronic Transfer in case of Indian vendors	Vendor to confirm			
12.2	Cost involved in other payment modes, as preferred by vendor, shall be loaded while establishing "Landed cost of the equipment" as per prevailing BHEL practice/ market rates.	Vendor to confirm			
<b>13.0</b>	<b>DISPUTE REDRESSAL:</b>				
13.1	Any dispute arising out of this shall be referred to the sole arbitration of Head of Materials Management, BHEL Corporate R&D, Hyderabad or any other officer nominated by him/her and his/her decision shall be final and binding on the parties. The venue of the arbitration in all cases shall be Hyderabad, INDIA.	Vendor to agree & confirm			