		<b>BHARAT HEAVY ELECTRICALS LIMITED</b> [A Government of India Undertaking] Ramachandrapuram, Hyderabad, 502032, A.P. India Phone 040-23184526, 23182322 FAX:040-23021910, 1954			<b>भारत हेवी इलेक्ट्रिकल्स लिमिटेड</b> (भारत सरकार का उपक्रम) रामचन्द्रपुरम, हैदराबाद, 502032 आंध्र प्रदेश, भारत			RFQ NO :		<b>PURCHASE DEPARTMENT</b> <b>ENQUIRY</b> क्रय विभाग जांच (ई मेल) :		SHEET:1 OF :2
HY17001 C REV.NO.0		Phone 091-40-23184526 091-40-23182322		FAX : 091-40-23021910 091-40-23021954		E Mail:		<b>PURCHASE DEPARTMENT</b>				
Enq/Collective Number :P8A1O19063				Enq.Date : 21.02.2015		No.Of Items :1		DUE DATE OF QUOTATION : 13.03.2015				
<b>Office Copy</b>				Please submit your lowest quotation in sealed cover superscribed with Enquiry No./Collective No.(RFQ No ..... ) and due date subject to our terms and conditions attached ,for the materials mentioned below. Your offer has to reach us onor before due date by 11.00 Hours (IST) and will be opened at 14.00 Hours.(IST).If our Enquiry No./Collective No.(RFQ No ..... ) and tender due date are not super scribed on the tender cover , your offer shall be summarily rejected.Whosoever desires to send offers on their own risk (complete in all respects) via e-mail have to send offers to the common e-mail address : tenderbox@bhelhyd.co.in . Incomplete offers and late offers will not be considered.								
SL NO	Purchase Req.no	Item no	Material Code	Drg no - Ver , Rev & Spec - Ver , Rev	Description	Unit	Qty	Delivery Date	Schedule Qty			
1	1200019063	10	CG2080925032	NA,	VICKER CUM BRINELL HARDNESS TESTING M/C	EA	1.000	18.05.2015	1.000			
<b>Special Remarks</b> Long Discription:- Vickers cum Brinell Hardness Testing Machine along with the spares required as mentioned : ✓  Vickers loading range 5-120 kgf ✓ Brinell test load range 5- 250 kgf ✓  SPARES REQUIRED : (As optional) ✓  1.Vickers diamond indenter 01 No ✓ 2.Ball indenter 5 mm 01 No ✓ 3.Ball indenter 2.5 mm 01 No ✓ 4.Microscope Bulb 12 No's ✓ 5.Fuses 06 No's ✓  1) GCC & ITB ARE ENCLOSED. 2) TWO PART BID SYSTEM MAY BE FOLLOWED. 3) ..... 4) PLEASE SEND -THE QUOTATION IN HARD COPIES ONLY TO THE ADDRESS:												
						TEST CERTIFICATE REQD: Y GUARANTEE REQ : Y SAMPLE REQD : N BID TYPE : TWO PART			For and on-behalf of Bharat Heavy Electricals Limited.  SREENU K Pur.Officer/Pur/CMM			

TO,  
DGM/SDC  
VENDER COMPLEX,  
BHEL, R .C. PURAM,  
HYDERABAD,  
TELANGANA.

**CheckList of Quality Interventions:**

**BHEL reserves the right to enforce any or all of the following checks during execution of the order.**

**There is no additional cost to the vendor on account of these checks.**

TEST CERTIFICATE REQD: Y  
GUARANTEE REQ : Y  
SAMPLE REQD : N  
BID TYPE : TWO PART

For and on-behalf of  
Bharat Heavy Electricals Limited.

SREENUK  
Pur. Officer/Pur/CMM

21/02/15



**BHARAT HEAVY ELECTRICALS LIMITED**  
**Heavy Power Equipment Plant, Ramachandrapuram,**  
**Hyderabad - 502 032. INDIA.**  
**Phones : 040-23182514**  
**Purchase Dept. : Fax:**  
**E-mail : asailoo@bhelhyd.co.in**

Indent No. : \_\_\_\_\_  
 Date : \_\_\_\_\_  
 Enquiry No. : \_\_\_\_\_  
 DueDate : \_\_\_\_\_  
 Vendor Qtn. No.: \_\_\_\_\_  
 Date: \_\_\_\_\_

**TENDER DOCUMENTS TO BE FILLED BY THE Vendor FOR SUPPLY OF  
 Vickers Cum Brinell Hardness Testing Machine [1 No.]**

<b>ADDRESS OF THE Vendor :</b>		<b>ADDRESS OF THE INDIAN AGENTS:</b>		
<b>TELEPHONE NOS.:</b>		<b>TELEPHONE NOS.:</b>		
<b>FAX NOS.:</b>		<b>FAX NOS.:</b>		
<b>E-MAIL ADDRESS :</b>		<b>E-MAIL ADDRESS:</b>		
<b>NOTE:</b>				
1. Vendor shall submit complete information against each clause of the specification given below point by point.				
2. The Vendor should fill the "Offered" Column in compliance to specified requirements and also "Deviations" column, where there is deviation from the requirement. Duly filled specification cum compliance certificate should be submitted along with the bid. Inadequate, incomplete, ambiguous or unsustainable information against any of the clauses of the specifications/requirements shall be treated as non-compliance				
3. The offer and all the documents enclosed with bid should be in English language only.				
<b>Sl.No.</b>	<b>Description for BHEL Requirement</b>	<b>Offered</b>	<b>Deviations</b>	<b>Remarks</b>
	<b>Purpose:</b> Vickers cum Brinell Hardness Testing machine as per ASTM E384 & ASTM E10 or IS 1754:2002 & IS 2281:2005 for hardness testing of components shall be quoted			
A	<b>PREQUALIFICATION REQUIREMENTS:</b> 1. The Vendor shall submit a Reference List of Customers for the model quoted and atleast one performance certificate has to be submitted along with offer. 2.If any thing missing in the specifications it has to be strictly meet latest standard of ASTM E384 & ASTM E10 or IS 1754:2002 & IS 2281:2005 3.Vendor shall have a minimum experience of 5 years in manufacturing of ASTM hardness testing machine as per ASTM E384 & ASTM E10 or IS 1754:2002 & IS 2281:2005 and should have supplied at least 2 equipment's of the model quoted to various reputed organisations preferably in India.			

*C. Jayabharade*

*Approved*

*tdt*


Sl.No.	Description for BHEL Requirement	Offered	Deviations	Remarks
1	<b>Technical details</b>			
	a) Load Requirements in Kgf : 5,10,20,30,50,100,upto120kgf (for vickers) & 15.625,31.25,187.5,upto 250 Kgf(for Brinell) Any other load in addition to the above with in range is acceptable.			
	b) Loading cycle should be push button and unloading manually by hand lever			
	c) Optical magnification:20X to 140X (three suitable magnifications within range are acceptable.)			
	d) Maximum Test Height:250mm			
	e) Depth of throat:150mm (minimum)			
	e) Maximum size of base:660mm(length)x320mm(width)x990mm(height)			
	f) Testing table size:300mm dia(minimum)			
	g) Input electric power supply:230±10%V,50Hz,single phase AC			
	i) Power cable of Atleast 5 meter			
	j) Items required for machine foundation should be offered by supplier			
	k) Standard test blocks with calibration certificates			
	l) Equipment should be calibrated after installation			
	m) Vendor shall provide details of standard accessories supplied along with machine			
	n) Accessories for the calibration of the system shall be provided.			
	p) Price of the Main machine shall include standard accessories			
2	<b>Spares required (optional):</b> Apart from the main equipment price,The individual Prices of spares as per below requirement also shall be indicated in the <b>PRICE BID compulsorily</b>			
	a)Vickers diamond indenter-1No			
	b) ball indenter 5mm- 1 No			
	c)ball indenter 2.5mm- 1 No			
	d)Microscope bulb-12 No.			
	e) Fuses-6 Nos.			
3	BHEL engineers will inspect above equipment prior to shipment at Vendor 's works. It is the responsibility of the Vendor to prove all conditions of specification by providing required samples & tools at Vendor works. Sufficient advance inspection call to be given to BHEL and shall make necessary arrangements for the predespatch inspection.			
4	<b>ERECTION &amp; COMMISIONING</b>			
4.1	Vendor to take full responsibilty for carrying out the erection, startup, testing of the system, it's control & all types of other supplied equipment/accessories etc. Service requirement like power shall be provided by BHEL at only one point to be indicated by Vendor in their foundation / layout drawing.			
4.2	Vendor shall erect and commission the above machine at BHEL Hyderabad. Suitable training on all operational aspects and routine maintenance to be given by Vendor to BHEL engineers.			

C. Jayabharathi

Ramam

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Sl.No.	Description for BHEL Requirement	Offered	Deviations	Remarks
4.3	All foundation bolts/ anchoring materials/fixators/levelling shoes etc. required for final erection of the machine shall be provided by the Vendor along with basic machine.			
4.4	The detailed foundation drawing has to sent within 1 month after the placement of Purchase Order			
5	<b>GUARANTEE</b>			
5.1	The machine shall be guaranteed for satisfactorily and trouble free service for at least 12 months from the date of commissioning and final acceptance. Any spare required during the guarantee period shall have to be arranged by the Vendor at free of cost.			
5.2	Time taken for service engineers to Reach the site upon receipt of break down call shall be within 3 days			
6	<b>DOCUMENTATION:</b>			
6.1	Supplier has to provide the calibration report & Test certificate along with the equipment			
6.2	The Vendor shall furnish technical catalogue of the proposed equipment alongwith quotation			
6.3	Three sets of operating instruction manuals including schematic drawing shall be sent along with the equipment			
7	<b>PACKING</b>			
7.1	Rigid packing to be made for all items of complete machine, all accessories and other supplied items to avoid any damage/loss in transit. When machine is dispatched in containers, all small loose items shall be suitably packed in boxes. Packing list to be provided in the box			
8	Delivery period to be indicated by the supplier			

  
**B.RAMAKRISHNA**  
 Sr.DGM/TD(M&S)

*Ramprasad*  
**Pradeep K Agarwal**  
 DGM/ME & LABS

*C. Jayakrishna*  
**Engineer / ME Labs**

  
**TIRUMALESH KANDULA**  
 Sr.ENGINEER/M&S(CWS)