

Scope: Supply & Commissioning of Electronic level(1 set) complying with the following specifications.

Annexure to Indent No.:20140952 , Date 15.05.2014

MATERIAL CODE NO.: ZWG061001015

S. No.	Description - BHEL's Requirement	Qty.	Specified	Offered	Deviations	Remarks
11.1.0	PRE-QUALIFYING CONDITION:					
11.1.1	Equipment must be of internationally reputed make.	-	Vendor to Comply and confirm			
11.1.2	Offers can be submitted by any of the following i) OEM of the Equipment. ii) Authorized supplier/ distributor/retailer/ stockiest/ channel partner of the OEM.	-	Vendor to Comply and confirm			
11.2.0	Vendor/supplier must submit the document that OEM of the equipment will provide the services during warranty period.	-	Vendor to Comply and confirm			
11.3.0	Vendor/Supplier must furnish atleast one satisfactory performance certificate of the equipment(not older than 3 years from date of floating of tender) having similar specification along with offer from a Govt./PSU/ organisation of repute in India.	-	Vendor to Comply and confirm			
11.4.0	The OEM must have service and technical support in India.	-	Vendor to Comply and confirm			


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(SHIV PRAKASH)
(Sr. Engr-WEX-ERS/ERN)



(R K VERMA)
(Sr. Mgr.-WEX-Mech. Maint.)



(B S GARG)
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**BHARAT HEAVY ELECTRICALS LIMITED
HEAVY ELECTRICAL EQUIPMENT PLANT
UTTARAKHAND,INDIA**

Enquiry No. &
Date:
Due Date:
Supplier's Ref.:
Date :

Specification for Electronic Level

Note:-

1. 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. The offer containing Inadequate/incomplete, ambiguous or unsustainable information against any of the clause may be rejected.

2. The offer and all documents enclosed with offer should be in English language only.

Name & Address of the supplier:

Name & Address of the Indian Agent:

Telephone No.:

Telephone No.:

Fax No.:

Fax No.:

e-mail :

e-mail :

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1.0.0	APPLICATION:					
1.1.0	The electronic level (with digital display) is required for precision measurement of small angles, flatness measurement of surface plates and measurement of geometrical features of all kinds of machines.	1set	Vendor to note and confirm			
2.0.0	SCOPE OF SUPPLY:					
2.1.0	Supply & Commissioning of Electronic Level set. It shall comprise of 02 measuring electronic levels (one for reference & other for measurement).It shall also comprise of one digital display unit having inbuilt wireless data transmission system to the levels.	1 set	Vendor to Comply and confirm			
3.0.0	Range					
3.1.0	Measuring Range	-	± 20mm/m			
3.2.0	Electronic level sensitivity	-	0.001mm/m			

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4.0.0 TECHNICAL SPECIFICATIONS:					
4.1.0	One electronic level (for reference) having flat hardened steel base, precision lapped, with suitable dust grooves and slots in either end for screwing on. Remaining surface chromium plated. Without magnetic inserts.	1 No.	Vendor to Comply and confirm		
4.2.0	Another electronic level (for measurement) having angular base of cast iron, both faces prismatic with magnetic inserts in vertical face. Contact surface hand scrapped & other surfaces chromium plated.	1 No.	Vendor to Comply and confirm		
4.2.1	Base of both the levels(minimum)	-	150mm		
4.3.0	Both the levels should have aluminum handles fitted with digital display	-	Vendor to Comply and confirm		
4.4.0	Response time (Maximum)	-	5 sec		
4.5.0	Light Source	-	LED		
4.6.0	Suitable rechargeable batteries with charger and AC power adopter for direct supply	1 set	Vendor to Comply and confirm		
4.7.0	Compatible PC notebook with appropriate latest version evaluation software for data presentation along with necessary accessories.	1 no.	Vendor to Comply and confirm		
4.8.0	It shall also comprise of suitable cables, remote & an excellent quality, durable, portable storage case to accommodate the complete set.	1 set	Vendor to Comply and confirm		
4.9.0	Calibration certificate traceable to International standards	1 no.	Vendor to Comply and confirm		
5.0.0	Ambient Operating Temperature: 2 Degree Centigrade to 45 Degree Centigrade without derating.	-	Vendor to note and confirm		
6.0.0	COMMISSIONING: Commissioning work should be completed by the vendor within 8 weeks from date of first intimation by BHEL, Haridwar .	-	Vendor to Comply and confirm		
6.1.0	It includes demonstrating the application/function and user training of equipment at BHEL, Haridwar works.	-	Vendor to Comply and confirm		
7.0.0	O & M MANUALS: Operation & Maintenance Manual with 1 set of CDs. All copies shall be hard-bound in high quality folders.	3 set	Vendor to Comply and confirm		
8.0.0	PERFORMANCE GUARANTEE:				

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8.1.0	The Performance of the complete set of equipment shall have guarantee/warranty for a minimum period of 24 months from the date of commissioning.	-	Vendor to Comply confirm			
9.0.0	SPECIAL INSTRUCTIONS:					
9.1.0	Supplier must submit point wise reply to specifications, Deviations if any must be separately submitted with reasons for each.	-	Vendor to Comply and confirm			
10.0.0	FINAL ACCEPTANCE					
	The equipment shall be finally accepted by BHEL, Haridwar subject to fulfillment of all the above points.	-	Vendor to Comply and confirm			



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