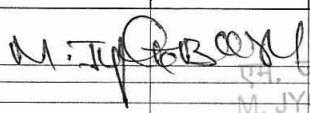


		BHARAT HEAVY ELECTRICALS LIMITED			
		RAMACHANDRAPURAM :: HYDERABAD-32			
SPECIFICATION FOR					
TORQUE WRENCH CALIBRATION SYSTEM					
Ref:	HY/QC/CGCTWCS/17-18		Date: 04.10.2017		
SCOPE: SUPPLY AND COMMISSIONING OF TORQUE WRENCH CALIBRATION SYSTEM					
SNO	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED BY	OFFERED	DEVIATIONS	REMARKS
1.0	PURPOSE OF THE EQUIPMENT				
1.1	To calibrate different types of Torque Wrenches (Click type, Dial type, Digital type) as per the standard IS/ISO 6789:2004	vendor to confirm			
2.0	SCOPE				
2.1	Supply and Commissioning of the Torque Wrench Calibration System at BHEL, Hyderabad works including training.	vendor to confirm			
3.0	SPECIFICATION:				
3.1	For calibration of Click type, Dial type, Digital type Torque Wrenches as per the standard IS/ISO 6789:2004	vendor to confirm			
3.2	Suitable for calibration of different sizes of Torque Wrenches in the Range : 20 - 4000 Nm	vendor to confirm			
3.3	Single sensor/multiple sensors to cover the entire range: 20 - 4000 Nm	vendor to confirm			
3.4	Digital display to read Torque values, selectable unit of measurement in Nm, Kg-f-m, Ft-Lbs	vendor to confirm			
3.5	Suitable for clockwise and counter clockwise operation	vendor to confirm			
3.6	Compact design, table top model, motorized operation	vendor to confirm			
3.7	Accuracy of the Torque Wrench Calibration System : $\pm 1\%$	vendor to confirm			
4.0	ACCESSORIES				
4.1	All necessary accessories for Commissioning of the Torque Wrench Calibration System in the vendor scope	vendor to confirm			
5.0	COMMISSIONING				
5.1	Supplier shall Commission the above system at BHEL, Ramachandrapuram, Hyderabad	Vendor to confirm			
6.0	DOCUMENTATION: Following documents shall be supplied by the vendor				
6.1	Operating instruction manual in English language - 5 copies	Vendor to confirm			
6.2	Calibration certificate of the equipment issued by NABL accredited laboratory.	Vendor to confirm			
6.3	Vendor to furnish the recalibration procedure for the system	Vendor to confirm			
7.0	PROVEOUT AND TRAINING				
7.1	Training at BHEL, Ramachandrapuram, Hyderabad on operation and recalibration of Torque Wrench Calibration System for three days	Vendor to confirm			
7.2	Proveout: System shall be proved for all sizes, ranges of Torque Wrenches in the range 20 Nm to 4000 Nm.	Vendor to confirm			
7.3	Gaurantee: 24 Months from date of commissioning	Vendor to confirm			
7.4	Delivery: within 4 months after placement of order	Vendor to confirm			
8.0	QUALIFYING CONDITIONS/ REFERENCE LIST:				
8.1	Only those vendors who have supplied and commissioned at least one quoted model of the equipment and it has been working satisfactorily for more than one year after commissioning. Quoted model shall not be older than 5 years. Vendor shall furnish the following details of such customer with contact person/s' details, order copies and performance certificate of the referred equipment. This is required from all the Vendors for qualification of their offer.	Vendor to confirm			
8.2	Name of the customer/ company where referred instrument is installed.	Vendor to Furnish.			
8.3	Complete postal address of the customer.	Vendor to Furnish.			
8.4	Month and year of commissioning.	Vendor to Furnish.			
8.5	Model of equipment supplied and application for which the equipment is supplied..	Vendor to Furnish.			
8.6	Name and designation of the contact person of the customer.	Vendor to Furnish.			
8.7	Phone, FAX no. and email address of the contact person of the customer.	Vendor to Furnish.			
8.8	Performance certificate from the customers for the quoted model regarding satisfactory performance of equipment for min one year from the date of commissioning. Performance certificate shall contain model no, date of commissioning.	Vendor to submit.			
8.9	BHEL reserves the right to verify the information provided by vendor. In case the information provided by vendor is found to be false/incorrect, the offer shall be rejected.	Vendor to accept & confirm.			
					
		M. JYOTI BASU वरिष्ठ प्रबंधक / क्यू सी, सीजीसी, 07, 210 QC, CGC, 07, 210 बी एच ई एल, हैदराबाद BHEL, HYD-32			