

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

**TENDER DOCUMENTS TO BE FILLED BY THE SUPPLIER FOR SUPPLY OF
MULTI-FUNCTION PROCESS CALIBRATOR**

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 :

S.No	PARAMETERS	To be Specified / Confirmed by Vendor	Offered	Deviations	Remarks
Title	MULTI-FUNCTION PROCESS CALIBRATOR				
1	Scope:				
1.1	This specification is intended to cover the design, manufacture, assembly, testing of MULTI-FUNCTION PROCESS CALIBRATOR in all respects for successful and trouble free operation of systems.	To be Confirmed by Vendor			
1.2	The Vendor shall,as a minimum,supply equipment and full documentation with the features and performance listed in this specification and accompanying drawings referenced herein (if any)	To be Confirmed by Vendor			
1.3	No deviations from the requirements of this specification are allowed unless itemised in the vendor's quotation and subsequently specifically agreed within the purchase order or order supplement documents. Failure to clearly identify specific deviations will be assumed by the purchaser to be total compliance with the specification.	To be Confirmed by Vendor			
1.4	Where alternatives are offered,they shall be fully described and must be accompanied by all pertinent engineering information,to facilitate evaluation of alternatives.	To be Confirmed by Vendor			

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1.5	It shall be the responsibility of the vendor to inform the purchaser of any errors,ambiguities,inconsistencies or discrepancies which may be found to exist in any document, specification or drawing submitted by the purchaser.Vendor shall be responsible for rectifying at their own cost, any errors and oversights in the system.Any work shown on the reference drawings and not particularly given in the specification or vice versa, shall be included by the Vendor.The omission from the specification of any items essential to the correct functioning of any part of the specified equipment shall be brought to the attention of the purchaser.Failure to do this shall not absolve the vendor from supply,installation and commissioning of any equipment or services required to achieve the full functioning of the system to the intent of this specification.	To be Confirmed by Vendor			
2	Applicable Codes and Standards :				
	The item supplied against this specification shall be in compliance with relevant latest IEC/IEEE/ISStandards.	To be Specified by Vendor			
3	Description:				
3.1	Multi Function Calibrator to test and calibrate almost any process parameter.Measure and source mA, volts, temperature (RTDs and thermocouples),frequency, ohms, and pressure, using optional pressure modules.	To be Confirmed by Vendor			
3.2	A split-screen display. The upper display to measure volts, current, and pressure only. The lower display to measure and source volts, current, pressure, resistance temperature detectors, thermocouples, frequency, and ohms.	To be Confirmed by Vendor			
3.3	A thermocouple (TC) input/output terminal and internal isothermal block with automatic reference junction temperature compensation.	To be Confirmed by Vendor			
3.4	Stores and recalls setups.	To be Confirmed by Vendor			
3.5	Manual stepping,automatic stepping and ramping.	To be Confirmed by Vendor			

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3.6	Two separate channels;Measure ,source and view process signals simultaneously.	To be Confirmed by Vendor			
3.7	Measures volts,mA,RTDS,frequency and resistance to test sensors and transmitters	To be Confirmed by Vendor			
3.8	Source/Simulate volts,mA,thermocouples,RTD,frequency and pressure to calibrate transmitter	To be Confirmed by Vendor			
3.9	Frequency totalizer and frequency pulse train source mode for enhanced flowmeter testing.	To be Confirmed by Vendor			
3.10	Calibratorm must be compact, light weight and portable.	To be Confirmed by Vendor			
4	Documents				
4.1	Calibration certificate and reports	To be Confirmed by Vendor			
4.2	User Manual	To be Confirmed by Vendor			
4.3	2 Nos of Compact Discs containing all the above documentation on CD ROM, wherever possible	To be Confirmed by Vendor			
5	Preparation For Shipment and Marking:	To be Confirmed by Vendor			
5.1	Preservation:	To be Confirmed by Vendor			
	Preservation should be accomplished in accordance with acceptable commercial practice for the type of supply	To be Confirmed by Vendor			
5.2	Shipment:	To be Confirmed by Vendor			
	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	To be Confirmed by Vendor			

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6	Spares and services:	To be Confirmed by Vendor			
6.1	Test leads	To be Confirmed by Vendor			
6.2	Aligator clips	To be Confirmed by Vendor			
6.3	Spare battery and charger (if applicable)	To be Confirmed by Vendor			
7	Other conditions	To be Confirmed by Vendor			
	The Calibrator, any unit or parts there in, if found defective, there after shall be replaced within a week of detection of such defects.	To be Confirmed by Vendor			
8	Vendor must submit filled in technical data sheet with offer. Unfilled / incomplete technical data sheets will be rejected.	To be Confirmed by Vendor			