

Differential Pressure Meter/Digital Manometer

Date-09/07/16

	Details	Vendors Remarks
1	The "VENDOR TO CONFIRM/SPECIFY" column of this format shall be filled in by the Vendor and submitted along with the offer. Inadequate / incomplete or ambiguous, information against any of the clauses of the specifications/requirements shall be treated as non-compliance.	
2	The offer and all documents enclosed with offer should be in English language only.	
3	Any deviation may please be clearly mentioned	
4	Vendor has to submit technical data sheets/documents of the model offered or a catalogue showing the product profile of the vendor.	
	SCOPE: SUPPLY & JOB PROVING OF PORTABLE DIFFRENTIAL PRESSURE METER COMPLYING WITH SPECIFICATIONS AS BELOW:	
Sl. NO.	CFFP/BHEL,HARDWAR REQUIREMENT	
1	Scope: The scope covers with the supply & job proving of one no.portable Differential pressure meter suitable for industrial application with necessary auxiliary accessories as per following specification .	
2	Objective: For measurement of diffrential presssure (of air/natural gas)across an orifice (in gas burners to check and further control the gas air ratio)	
3	Measurement Conditions	
3.1	Fluid (media for which D.P is to be checked)= Air/Natural gas	
3.2	Ambiant air temperature/R.H = (0-45 ⁰ c)/ 20-80%	
3.3	Pressure - 0-200mbar	
3.4	accuracy $\pm 3\%$	
3.5	Repeatability $\pm 2\%$	
4	Essential Accessories/ provisions :-	
4.1	instrument should be capable of measuring flow velocity and volume flow.	
4.2	Chargable battery(min. 4-6 hrs of continuous operation) and a charger operating on 220volt (+-10%) @ 50Hz	
4.3	overrange indication and should have inbuilt calibration protocol(adjustable zero value facility)	
4.4	High grade ABS plastic body which should dust and water proof to IP67, BS-EN-60529 and IEC 539.	
4.5	Carrying case for instrument and measurement probes.	
	General Requirements :	
5	Documentation and manuals	

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Prepared By:
Abhay Kumar
Engineer

Arjun Singh
109.07.16
Checked By:
Arjun Singh
Dy. Manager

Approved By:
Narendra Kumar
DGM (M&S)

5.1	Two sets of documents (in soft and hard copy both) for detailed operation, maintenance and servicing manuals of equipment and other accessories to be provided in English language only.	
5.2	Calibration certificate must be provided along with instrument.	
6	Job proving of instrument	
6.1	The supplier should take full responsibility for carry-out the job proving of instrument and all its accessories at BHEL free of cost. All capabilities of the instrument will have to be demonstrated to the satisfaction of the user. Training for handling and operation of the equipment should be provided to the user free of cost.	
7	Acceptance Norms	
7.1	10-15 sampling at CFFP BHEL haridwar.	
8	Guarantee :	
8.1	The supplier shall provide full warranty for at least two year from the date of job proving. If instrument remains out of order or starts malfunctioning the supplier shall be intimated of the same and the problem should be rectified within two weeks of getting intimated otherwise, the warranty period will be extended for the corresponding breakdown period .	

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DGM (M&S)