

RESPONSE TO PREBID QUERIES
DATE OF PRE BID MEETING: 07/01/2016

Supply and Installation of Calibrators for Testing and Calibration of Equipments as per BIS Standard at MPSEDC Calibration Lab, Bhopal (M.P.) (Tender No: MPSEDC/ETDC/2015/303 Dated29/12/2015)

1. 8 ½ DIGIT DIGITAL MULTIMETER PAGE NO. 9

Sr. No.	PARAMETER	SPECIFICATION AS PER TENDER	RECOMMENDED SPECIFICATION VENDOR : FLUKE TECHNOLOGIES THROUGH EMAIL.	RESPONSE FROM MPSEDC
1	DMM Resolution	8.5 Digit.	--	--
2	Standard function			
A	DC Voltage	• 5 ranges: 0.1 V to 1000 V	--	--
		• 8.5 to 4.5 digit resolution	--	--
		• Up to 100,000 readings/sec (4.5 digits)	--	--
		• Maximum sensitivity: 10 nV	--	--
		• 0.6 ppm 24 hour accuracy	ACCURACY SHOULD BE OF 1 YEAR	NOT ACCEPTED
		• 8 ppm (4 ppm optional)/year	ACCURACY SHOULD BE OF 1 YEAR	NOT ACCEPTED
		voltage reference stability	--	
B	AC Voltage	• 6 ranges: 10 mV to 1000 V	--	--
		• 1 Hz to 10 MHz bandwidth	--	--
		• Up to 50 readings/sec with all readings to specified accuracy	--	--
		• Choice of sampling or analog true rms techniques	--	--
		• 100 ppm best accuracy	--	--
C	DC Current	• 8 ranges: 100 nA to 1 A	Up to 20 A	ACCEPTED
		• Up to 1,350 readings/sec (5.5 digits)	--	--
		• Maximum sensitivity: 1 pA	--	--
		• 14 ppm 24 hour accuracy	ACCURACY SHOULD BE OF 1 YEAR	NOT ACCEPTED
D	AC Current	• 5 ranges: 100 µA to 1 A	Up to 20 A	ACCEPTED
		• 10 Hz to 100 kHz bandwidth	--	--
		• Up to 50 readings/sec	--	--

		<ul style="list-style-type: none"> • 500 ppm 24 hour accuracy 	ACCURACY SHOULD BE OF 1 YEAR	NOT ACCEPTED
E	Resistance	<ul style="list-style-type: none"> • 9 ranges: 10 Ω to 1 GΩ 	--	--
		<ul style="list-style-type: none"> • Two-wire and four-wire ohms with offset compensation 	--	--
		<ul style="list-style-type: none"> • Up to 50,000 readings/sec (5.5 digits) 	--	--
		<ul style="list-style-type: none"> • Maximum sensitivity: 10 $\mu\Omega$ 	--	--
		<ul style="list-style-type: none"> • 2.2 ppm 24 hour accuracy 	ACCURACY SHOULD BE OF 1 YEAR	NOT ACCEPTED