

MINIMUM GUARANTEED TECHNICAL PARTICULARS

(TO BE FILLED BY BIDDER),
(All GTP shall comply our detail specification)

Sr. No.	Description	PGVCL Requirements	Offered by Bidder	Remarks
1.	Name of Manufacturer and address	To be mentioned by bidder		
2.	Applicable Standards	IS: 2705 for current transformer. IS: 3156 for potential transformer. IEC-61869 Part 1 to 5 IS: 16227 Part 1 to 5		
3.	Model No./Catalogue No,	To be mentioned by bidder		
4.	Measurement Technic	Microprocessor controlled measurement		
5.	Display	800 X 480 TFT color display.		
6.	VGA Port	Suitable for any monitor/display.		
7.	Keyboard	Alpha numeric metal dome membrane Keypad		
8.	Power Input	90 to 270 volts, 50 / 60 Hz, <40 VA.		
9.	Current Range and Power Consumption :	Range : 0.05 to 20 amp., Consumption <0.5 VA @ 5A Range : 0.01 to 4.0 amp., Consumption <0.1 VA @ 1A		
10.	Voltage Range and Power Consumption :	1.2 to 400 volts, Consumption 0.02VA @ 120V		
11.	Measuring Ranges :	Ratio Error : 0 to $\pm 20\%$ Phase Error : 0 to ± 0.2		

		radians 0 to ± 680 minutes		
12.	Frequency Range	45 to 65 Hz		
13.	Resolution	Ratio Error - 0.0001% Phase Error - 0.0001 crad / 0.1 μ rad		
14.	Accuracy	Normal Operating Range (5 to 200%) : Ratio Error $\pm 0.4\%$ of reading ± 10 ppm Phase Error $\pm 0.5\%$ of reading ± 10 μ rad Extended Operating Range (1 to 400%) : Ratio Error $\pm 0.8\%$ of reading ± 20 ppm Phase Error $\pm 1.0\%$ of reading ± 20 μ rad		
15.	Burden Measurement Accuracy :	1%		
16.	Power Factor	0 – 1.000		
17.	Computer Interface	RS-232 USB		
18.	Printer Output	USB printer port		
19.	Error Plotting	Error plotting facility to be provided with interface software		
20.	PC Operation	Can be controlled from a PC using PC key board. Results to be shown on the PC display and test results can be transferred to the PC for		

		the data storage.		
21.	External Storage	USB 2.0 port to be provided in front panel to store results in pen drive.		
22.	Temperature	-10 to 50° C		
23.	Humidity	Ambient to 90% RH.		