

A. Specifications for 1 GHz Digital Storage Oscilloscope			Quantity Required : One	
COMPLIANCE SHEET				
Sl.No.	IIT Madras Specification		Compliance	
1	Bandwidth	1 GHz		
2	Analog channels	4		
3	Maximum sampling rate	10 GS/s on all 4 Ch simulataneously		
4	Record Length	16 Mpts/ch on all 4 CH; 32 Mpts on 2 CH (interleaved)		
5	Display	≥ 12 inch high resolution touch screen		
6	Time Base	200 ps/div - 1000 s/div		
7	DC Vertical Gain Accuracy	±1% F.S.		
8	Input Coupling	1 MΩ: AC, DC, GND; 50 Ω: DC, GND		
9	Operating System	Microsoft Windows® 10		
10	Internal Storage	250GB		
11	Communication interface	USB 3.0 or higher, LAN Port, external monitor		
12	Software	Software Firmware upgradable		
13	Warranty	Three-Years		
14	Installation & Training	Installation & Training onsite should be done.		
15	Eligibility Criteria	The bidders should have supplied atleast five similar instruments in the five years.		

B. Specifications for 2 kV 400MHz High Voltage Differential Probe			Quantity Required : One	
COMPLIANCE SHEET				
Sl.No.	IIT Madras Specification		Compliance	
1	Voltage Rating	2 kV		
2	Bandwidth	400 MHz		
3	Gain Accuracy	0.35% - 0.7% (LF, guaranteed)		
4	Slew Rate	1300 V/ns (typical)		

5	Max Safe Input Voltage	2000 V (DC + peak AC) CAT I * 1500 Vdc CAT III 1000 Vrms CAT III		
6	CMRR	DC - 60 Hz at 85 dB 1 MHz at 65 dB 5 MHz at 55 dB 20 MHz at 50 dB 100 MHz at 45 dB 300 MHz at 30 dB		
7	Warranty	Atleast One Year warranty should be provided		

C. Specifications for High Voltage Probe Accessories Kit			Quantity Required : One	
COMPLIANCE SHEET				
Sl.No.	IIT Madras Specification		Compliance	
1	High Voltage Accessories Kit	(Includes 2 each,1 Black, 1 Red) Clips High Bandwidth 4 mm Probe Tip Adapters, Safety Alligator Clips, Plunger Pincer		