

**Annexure 'A'**

**Scope of Supply: Digital Storage oscilloscope, Indent No: C/6180/2014/0888/T**

Sr. no.	Description	Qty	Acceptance (YES/NO)	Deviation	Remarks (Vender to provide details and comply)
1.0	Make of Oscilloscope :	1 No.			
1.1	Model of Oscilloscope				
2.0	Technical specifications :				
2.01	No. of analog channels=4				
2.02	Digital Channels= 16				
2.03	Bandwidth=200 MHz or more				
2.04	Maximum sampling rate=2.5 GHz or more				
2.05	Display size=8.5 inch or more				
2.06	Display resolution= 800 X 480				
2.07	Display modes= Main, Zoom, XY				
2.08	Input coupling= AC & DC ; 1 MΩ, 50 Ω				
2.09	Waveform update rate >2,35,000 / sec				
2.10	Time base range=2ns/div to 50 s/div				
2.11	Voltage sensitivity = 2mV/div to 5V/div				
2.12	Vertical resolution =8 bit				
2.13	Acquisition Modes= Normal, Peak Detect, Averaging, Hi Res				
2.14	Measurement= Automatic for time, frequency, duty cycle, Avg, RMS and PP voltages				
2.15	Trigger Types= Setup & Hold, Logic, Timeout				
2.16	Threshold Selection= TTL, CMOS, ECL, PECL,				
2.17	Storage = Internal/USB 2.0/ PC				
2.18	Operating Temperature=0 °C to +50 °C				
2.19	Language= English				
2.20	Power Supply =100-240V, 50/60 Hz ±10%				
3.0	Warranty= min 3 years <i>from date of commission</i>				
4.0	Probe & accessories				

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4.1	10:1 passive probe	4 no.			
4.2	16 digital channel MSO cable	1 set			
4.3	100:1 high voltage probe	1 no.			
4.3	Power cord of length 3m	1 no.			
<b>5.0</b>	<b>Documentation</b>				
5.1	Hard copy of Operation and maintenance guide	1 no.			
<b>6.0</b>	<b>Acceptance Criteria</b>				
6.1	Digital storage CRO will be finally accepted after successful demonstration and user training on all of its features for one day at BHEL Haridwar.				

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Annexure-C

Pre-Qualifying Requirement (PQR) ; Indent No: C/6180/2014/0888/T

**Offers from vendors fulfilling following conditions will be further processed**

1. Equipment of internationally reputed makes Agilent /Tektronix / HP /Yokogawa / Hioki / Fluke is acceptable only.
2. Vender must submit the document that OEM of the equipment will provide the services during warranty period.
3. Offers can be submitted by any of the following
  - i) OEM of the Equipment.
  - ii) Authorized supplier/ distributor/retailer/ stockiest/ channel partner of OEM.

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