

**ANNEXURE-1**

**LIST OF EQUIPMENT LOT-6**

<b>Sl. No.</b>	<b>Description</b>	<b>Quantity Nos</b>	<b>Recommended Make</b>
1	Oscilloscope (High speed recorder)	1	Hioki

## ANNEXURE-12

### 1. TECHNICAL SPECIFICATION FOR OSCILLOSCOPE(HIGH SPEED RECORDER)

Sr. No	Specification	Yes/ No
1	Minimum Four analog channels + 8 logic channels	
2	Minimum CAT III 600V Insulation performance	
3	Minimum 4 channels of voltage measurement; mode switchable between instantaneous waveform or RMS value, 10 mV to 100 V/div, 13 ranges, resolution: 1/640 of range RMS value mode: 30 Hz to 10 kHz, Crest factor: 2	
4	Minimum accessories a. Printer Unit b. Recording paper c. Input cable d. Battery pack e. PC card 2GB model f. Connection cord for 4 channels	
5	Max. Rated voltage between terminals: 600 V AC/DC, between terminal to earth: 600 V AC/DC CAT III; 300 V AC/DC CAT IV	
6	Time Axis range of 100 $\mu$ s to 100 ms/div, 10 ranges, Sampling period: 1/100 of range	
7	Minimum recording intervals of 100 $\mu$ s to 1 minute, 19 selections (simultaneous sampling in all channels)	
8	Measurement function shall include: High-speed function (high speed recording) Real-time function (actual time recording)	
9	Isolated USB ports for memory devices and PC connectivity.	
10	Operating temperature	0°C to 50°C
11	Power	Mains and Battery