

Name of Lab: Optical Fibre Lab

Floor Area: 64 Sq. m.

S.No.	Items	Specifications	Make	Qty.
1.	Optical Fibre Trainer	<p><u>ELECTRICAL SECTION:-</u></p> <p>No. of channel: 12(64 Kbits/Sec) channels, including one slot for 16 bit marker.</p> <p>Frame marker: Two 8 bit markers in alternative frames.</p> <p>Coding/ Decoding: Manchester coding/decoding</p> <p>Data Rate: 768 Kbits/Sec, 1.536Mbits/Sec after Manchester coding.</p> <p>Voice PCM Channel: 2 nos. (2 telephone handsets provided).</p> <p>Voice coding: A-Law.</p> <p>Analog Input Voltage: 1V (pp).</p> <p>Analog Input Bandwidth: 100 KHz</p> <p><u>OPTICAL SECTION:-</u></p> <p>Wavelengths: 850nm and 650 nm.</p> <p>FWHM Spectral width: 100nm</p> <p>Fiber: 1000 micron Plastic Fiber (1m and 3m lengths included)</p> <p>Link Length: 4m for 850 nm link, 20m for 650 nm optical digital link at least.</p> <p>Data Rate: 1.536 M bits/sec at least.</p>	Bench Mark	02