



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

MATERIALS MANAGEMENT DIVISION

Powai, Mumbai 400076

PR No. 1000056130

RFx. No. 6100003073

D-Dot Sensor for Electric Field Measurement (QTY-01)

Sr. No	Item Description	Detailed Technical Specification	Technical Compliance (Yes / No)	Additional Information (if any)
1.	D-dot sensor & Balun	1) The sensor should be capable of measuring nanosecond pulses and have a frequency measurement band up to 3.5 GHz. The sensor should have SMA connectors as per requirement. 2) The measurement system should have its Balun for matching and connection with sensor. The should have appropriate bandwidth with at least 3.5 GHz as the upper frequency.		
2.	Single channel optical link & Dual fibre	Optical isolation should be available through fibre optic of appropriate length and the gain should be adjustable as per the sensor frequency range and Balun.		
3.	Generic pulse measurement & software	The unit should have an appropriate data acquisition and processing software for pulse measurement and analysis. The software should be capable of loading appropriate settings and retrieve data and display it.		