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NITRR/S&P/EC/2021/1735

Dated: 29/12/2021

//Addendum//

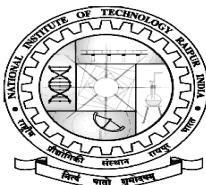
With reference to Open tender no NITRR/S&P/EC/OT/2021/1586 Dt: 10/12/2021 which is due on 04/01/2022 for Electronics and Communication Engineering Department, additional specification of tendered items has been incorporated in tender document as per Annexure-1.

All other details remain unchanged. Bidders are requested to submit their bid accordingly.

Enclosure: Annexure-1

**Registrar
NIT Raipur.**

Cc to : H.O.D.(Electronics & Comm.), NIT Raipur.



Annexure-1

Description of components	Specification of components	Additional Specification
Optical time domain reflectometer (OTDR) (1 no.)	OTDR Fiber compatibility: Single mode Central wavelength: 1310 and 1550 nm Dynamic range: 43 dB Maximum distance display range: 300 Km Display: Colour LCD/TFT & touch screen Display size: 7 inch or more Connectivity interface: USB Power source: Internal rechargeable battery Battery capacity: 6400 mAh or more Battery type: Li-polymer Optical fiber cable roll: Single mode optical fiber cable (100m or more) with suitable patch terminated for demonstrating working of OTDR. Power meter (built-in): Dedicated port on OTDR: Yes Wavelength range: 850 nm to 1650 nm Minimum power measurement range: -70 dBm Maximum power measurement range: 3 dBm Warranty: 3 years	Optical fiber cable roll: This module should be provided in a rugged casing so as to prevent the damage to the Fiber . Type of fiber : Single mode, 9/125 micron (100mts , 500Mts and 1 Km length of fiber with suitable patch terminated and few events like splice and connectors in between for demonstrating the working of OTDR.
WDM and chromatic dispersion trainer (1 no.)	Trainer capable of performing the following experiments: Study of wavelength division multiplexing. Study of chromatic dispersion.	LASER SOURCE and DETECTOR for WDM and Chromatic Dispersion : LASER - 2 Nos Central wavelength: 1310nm and 1550nm with Driver Circuit for Transmitting external Analog and Digital Signal. Used for WDM Output power: 1mW Detectors – 2 Nos Type: PIN photodiode & PIN TIA to detect the received optical Signal. Pulse Generator with Pulse width approx. 30ns or less used to transmit pulse through the Fiber Link so that Chromatic Dispersion can be measured WDM 1&2: Operating wavelength 1310nm & 1550nm - (One for Mux and another for DeMux) Approx 25Km Spool of Fiber to measure Chromatic Dispersion Display : Display indication for forward voltage and current