

**Rajiv Gandhi Institute of Technology, Kottayam**

No. D1/1926/18/RIT

Dated: 23.05.2018

TENDER SCHEDULE

Superscription	: Tender No. D1/1926/2018/RIT
Last date and time receipt of tender	: 30/06/2018 1 pm
Date and time of opening of tender	: 30/06/2018 3 pm
Last date and time of sale of tender form	: 29/06/2018 1 pm
Date upto which the rates are to be firm	: 31/03/2019
Cost of tender form	: <b>Original Rs. 784/-</b> <b>Duplicate Rs. 392/-</b> <b>By Post Rs. 35/- Extra</b>
Address of the Officer from whom Tender Forms are to be obtained to whom tenders are to be send	: THE PRINCIPAL, Rajiv Gandhi Institute of Technology Velloor P. O, Pampady Kottayam - 686501

List of Items Required

<u>Details of items</u>	<u>Quantity</u>
1 Fibre Optics lab instruments (details attached)	

PRINCIPAL

**List of required Items**

SI No	Item with Specification	Quantity
1	<p><b><u>LD Module:</u></b></p> <p>Lasing Wavelength : 660nm,            Output Power: 3m W with standard accessories and manual.            It should be possible to study PI/VI characteristics of Laser diode and line of sight study.</p>	2
2	<p><b><u>PD Module:</u></b></p> <p>Detector: Silicon PIN            Modes of operation : Forward, Reverse and zero bias            Responsivity at 880nm: 0.4A/W with standard accessories and manual. It should be possible to study PI, VI leakage characteristics of photo diode.</p>	2
3	<p><b><u>LED Module:</u></b></p> <p>It should be possible to study PI characteristics, VI characteristics and conversion efficiency            Specs: 850nm            Power supply:-10VDC            Bias Mode: Forward            Accessories' adapter, DIN-DIN cable, 1.25m plastic, Fibre, fuse 1A/250 V with manual.</p>	2
4	<p><b><u>APD Module:</u></b></p> <p>Detector: Silicon APD            Modes of operation : Reverse and zero bias            Responsivity at 880nm: 0.5A/W with standard accessories and manual. It should be possible to study forward bias, reverse bias, multiplying effect leakage characteristics.</p>	2
5	<p><b><u>Optical Power Meter:</u></b></p> <p>Calibration wavelength : 850 nm            Sensor type : Si Photo detector            Display : LCD</p>	2
6	<p><b><u>Optical Power Source:</u></b></p> <p>Optical source: LED            Peak Wavelength : 850 nm,            Output connector: SMA            Power supply: AC Mains adaptor</p>	2

