Invitation of budgetary quotes for test instruments for setting up CPE&TL lab in TEC, New Delhi.

The National Digital Communication Policy 2018 provides for creating framework for testing of new products & services and enhancing institutional capacity to perform testing, including establishing domestic testing hubs and laboratories with state of art testing facilities.

In view of above objectives, it is necessary to have testing laboratories in the country so that the testing and certification of telecom devices is done within the country. With these objectives, TEC is in the process of setting up CPE & TL lab at TEC New Delhi. The scope of the proposed lab includes Auditing, Surveillance, Standards development, capacity building and helping telecom manufactures and academic institutions in R&D.

The lab will have testing infrastructure for conformance and inter-operability testing of NGN CPEs and Terminals. The Lab will be equipped with state of the art test instruments and will have test set ups for testing Interface Requirements of various NGN CPEs and Terminals. The list of NGN CPEs and Terminals proposed to be tested in the proposed lab is attached.

Interested Test & Measurement Equipment Manufacturer (OEM)/ their channel partners are invited to submit the **technical and cost details** about the latest Testing Instruments to be installed in TEC New Delhi for testing of NGN CPEs and Terminals. The necessary details may be submitted in the following format:

1. **Details of Test equipments and budgetary quotes**

S. No.	Name of Testing Instrument with make and model number including the country of origin	Price without Taxes	Applicable Taxes	AMC for 5 years after warranty of 2 years	Total Cost
1	DIGITAL COMMUNICATION ANALYZER WITH CAPABILITY TO TEST VARIOUS PROTOCOLs such as TCP, UDP,MPLS,IPV4, IPV6 etc.				
2	NETWORK ANALYZER				

3	OPTICAL SPECTRUM ANALYZER				
4	OPTICAL POWER MEASUREMENT TEST SET WITH LASER SOURCE, OPTICAL ATTENUATOR, OPTICAL POWER METER, RETURN LOSS METER				
5	CENTRAL OFFICE SIMULATOR				
6	DIGITAL SUBSCRIBERS LINE (DSL) TEST SET WITH VDSL/VDSL2/G.FAST				
7	DIGITAL INSULATION TESTER				
8	DIGITAL MULTIMETER				
9	DISTORTION ANALYSER/ NOISE LEVEL METER				
10	LEVEL GENERATOR				
11	LEVEL AND RETURN LOSS METER				
12	PSOPHOMETER				
13	ETHERNET ANALYSER (10/100/1000MB)				
14	PON POWER METER				
15	PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT (PICS) TEST SET FOR GPON				
16	PROTOCOL IMPLEMENTATION				

	CONFORMANCE STATEMENT (PICS) TEST SET FOR NG-PON				

2. **The cost details shall include the following components:**

a) Initial purchase cost (item wise);

b) Full-fledged training (theoretical as well as hands on) for 10 persons after commissioning and add on training every six months for 2 years for all test instruments;

c) Annual support and maintenance for five years after the warranty period of two years which includes renewal of subscription license and periodic calibration of test instruments;

d) All the prices should be quoted in Indian Rupees.

Budgetary quotes may be submitted latest by 08.09.2021 through mail to below mail id-

dircl.tec@gov.in