



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

STL OF QUALITY TESTING LABORATORY, E1 E2 E3, MIDC-WALUJ, AURANGABAD, MAHARASHTRA, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

TC-18009

**Page No**

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**Validity**

11/05/2026 to 10/05/2030

**Last Amended on**

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Testing				
1	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Accelerated aging at 85°C	IEC 60793-2-50, IEC-60793-1-51
2	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical fiber	Attenuation 1260nm -1625nm	IEC 60793-2-50, ITU-T G.650.1, ITU-T G.650.3, ITU-T G.652, ITU-T G.654, ITU-T G.655, ITU-T G.656, ITU-T G.657, IEC-60793-1-40
3	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Cable cutoff wavelength	IEC 60793-2-50, ITU-T G650.1, ITU-T G.652, ITU-T G.654, ITU-T G.655, ITU-T G.656, ITU-T G.657, IEC-60793-1-44
4	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Cable Material Compatibility Test for Fiber	Telcordia GR 20:2013, IEC 60794-1-219
5	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER	Chromatic Dispersion 1260 nm - 1625 nm	ITU-T G650.1, ITU-T G650.3, ITU-T G.652, ITU-T G.654, ITU-T G.655, ITU-T G.656, ITU-T G.657, IEC 60793-2-50, IEC 60793-1-42
6	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Cladding diameter	ITU-T G.650.1, IEC 60793-2-50, ITU-T G.652, ITU-T G.654, ITU-T G.655, ITU-T G.656, ITU-T G.657, IEC-60793-1-20
7	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Cladding Non-circularity	ITU-T G.650.1, ITU-T G.652, ITU-T G.654, ITU-T G.655, ITU-T G.656, ITU-T G.657, IEC 60793-2-50, IEC-60793-1-20.



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8	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Coating/Cladding Concentricity	IEC 60793-2-50 ,ITU-T G.652, ITU-T G.654, ITU-T G.655, ITU-T G.656, ITU-T G.657,IEC 60793-1-21
9	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Core-Clad concentricity Error	ITU-T G.650.1, ITU-T G.652, ITU-T G.654, ITU-T G.655, ITU-T G.656, ITU-T G.657, IEC 60793-2-50, IEC-60793-1-20
10	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Dynamic Fatigue	IEC 60793-2-50, IEC-60793-1-33
11	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Dynamic Tensile Strength	IEC 60793-2-50, IEC-60793-1-31
12	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Fiber cutoff wavelength	IEC 60793-2-50, ITU-T G.650.1, ITU-T G.657,IEC-60793-1-44
13	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Fibre Curl	IEC 60793-2-50, IEC-60793-1-34
14	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Fibre Macro bend	ITU-T G.650.1, ITU-T G.652, ITU-T G.654, ITU-T G.655, ITU-T G.656, ITU-T G.657, FOTP 62/IEC-60793-1-47



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15	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	High Temperature and High Humidity Test	IEC 60793-2-50, IEC-60793-1-50
16	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Link design value for uncabled fibre	ITU-T G.650.2, ITU-T G.652, ITU-T G.654, ITU-T G.655, ITU-T G.656, ITU-T G.657, ITU-T G.650.3, IEC 60793-2-50, IEC-60793-1-48
17	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Mode Field diameter	ITU-T G.650.1, ITU-T G.652, ITU-T G.654, ITU-T G.655, ITU-T G.656, ITU-T G.657, IEC 60793-2-50, IEC60793-1-45
18	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Operating Temperature	IEC 60793-2-50, IEC-60793-1-52
19	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Optical Length	IEC 60793-1-22
20	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Polarization Mode Dispersion	ITU-T G.650.2, ITU-T G.650.3, ITU-T G.652, ITU-T G.654, ITU-T G.655, ITU-T G.656, ITU-T G.657, IEC 60793-2-50, EC-60793-1-48
21	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical fiber	Primary Coating diameter	ITU-T G.652, ITU-T G.654, ITU-T G.655, ITU-T G.656, ITU-T G.657, IEC 60793-2-50, IEC-60793-1-21



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22	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Retention of coating color	TEC GR, TEC ER, IEC-60793-1-50, IEC-60793-1-51
23	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Stripability force to remove primary coating	IEC 60793-2-50, IEC-60793-1-32
24	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Sudden irregularity in attenuation	TEC GR, TEC ER, Telcordia GR-20-CORE,2013, IEC-60793-1-40
25	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Temp. Humidity cycling	TEC GR, TEC ER, EIA/TIA-455-73
26	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Water immersion at 23°C	IEC 60793-2-50, IEC-60793-1-53
27	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Zero dispersion slope	ITU-T G.650.1, ITU-T G.650.3, ITU-T G.652, ITU-T G.654, ITU-T G.655, ITU-T G.656, ITU-T G.657, IEC-60793-1-42
28	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber	Zero wavelength dispersion range	ITU-T G.650.1, ITU-T G.650.3, ITU-T G.652, ITU-T G.654, ITU-T G.655, ITU-T G.656, ITU-T G.657, IEC-60793-1-42