



**GOVERNMENT OF INDIA
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF TELECOMMUNICATIONS
TELECOMMUNICATION ENGINEERING CENTRE
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi - 110 001**

CERTIFICATE OF DESIGNATION

M/s STL OF Quality Testing Laboratory
has been assessed and designated as Conformity Assessment Body (CAB)
for its facilities at

E1 E2 E3, MIDC-Waluj, Aurangabad, Maharashtra- 431 136

In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/82

Issue Date: 13/07/2022

Valid Until: 12/07/2025

This Certificate remains valid for the Scope of Designation as specified in the Annexure subject to the continued validity of NABL Accreditation and satisfied compliance to the Standards/specifications against which lab has been designated and strict compliance to the relevant terms and conditions of TEC CAB Designation Scheme.

(To see the scope of designation of this laboratory, you may also visit TEC website www.tec.gov.in)

Signed for and on behalf of TEC

**Prasanth Kumar
Deputy Director General (MTCTE)
For Designating Authority
TEC**

Certificate No: TEC/MRA/CAB/IND-D/82 dated 13/07/2022 issued to
M/s STL OF Quality Testing Laboratory
E1 E2 E3, MIDC-Waluj, Aurangabad,
Maharashtra- 431 136



Validity: - 13/07/2022 to 12/07/2025

Terms & Conditions

This certificate is issued as per the terms and conditions stipulated in the TEC SCHEME FOR DESIGNATING DOMESTIC CONFORMITY ASSESSMENT BODIES AND CERTIFICATION BODIES FOR CONFORMITY ASSESSMENT AND CERTIFICATION OF TELECOMMUNICATION EQUIPMENT ISSUE 2 NO. TEC/DES-01/02.DEC.2017.

Some of the conditions are reiterated as under:

A. Obligations of the Designated CAB.

1. It shall ensure that it maintains its accreditation status from any recognised Indian accreditation body like NABL during validity period of certificate.
2. It shall follow the stipulated procedures, rules and policies laid down by Designating Authority (DA) or Mutual Recognition Agreement (MRA)* partner for testing and evaluation.
3. In respect of tests for which it is seeking designation, it shall have no interest whatsoever in any business to carry on testing in an unfair or biased manner.
4. It shall fully indemnify DA from and against all liabilities, damages, claims, costs, and expenses incurred or sustained by DA as a result of any action taken or omitted by DA relating to the process of designation.
5. It shall comply with DA's or MRA partner's terms and conditions for designation and recognition as modified from time to time.
6. It shall be under obligation to participate in the online process prescribed by TEC for test and certification against TEC's GR/IR/ER and standards.
7. It shall have a record system which shall have a retention period of at least 5 years for documents related to the equipment testing. It shall maintain all the relevant documents including list of products submitted for testing, product-wise testing and evaluation reports. These documents shall be produced before the DA within seven days, as and when required.
8. It shall ensure the Intellectual Property Rights of the customers in the course of testing by maintaining professional ethics, secrecy and keeping all the product related information confidential.

*Applicable only if recognized by MRA (Mutual Recognition Agreement) partner.

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9. It shall notify the DA in writing of occurrence of any of the following incident(s) within 2 weeks of its occurrence
- Cessation of its business of conformity assessment for which it is Designated or accredited
 - Changes in its legal, commercial, or Organisational status
 - Changes, which may affect continuing compliance with any of the criteria or requirement specified by DA or MRA partner.
 - Change of premises

B. REFERENCE TO DESIGNATION STATUS

- Designated CABs may advertise their designation status with regard to standards or parts thereof which are included in the scope of designation.
- The advertisement should not imply, or otherwise suggest that DA or MRA Partner has endorsed the product or imply that the designated CAB is an agent or representative of DA or MRA Partner.
- CABs whose designations have been suspended or withdrawn for any reason, shall discontinue advertisement of their designated status and not make any misleading statements regarding their designation status.

C. POST-DESIGNATION SURVEILLANCE

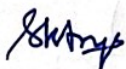
As and when required, DA shall conduct surveillance assessments and other non-routine assessments on the Designated CABs to ensure that standards of practices are maintained as well as to investigate complaints made against them.

D. SUSPENSION OR WITHDRAWAL OF DESIGNATION

- DA shall suspend or withdraw the designation of a CAB if
 - Its accreditation is withdrawn.
 - It is found that the CAB is not complying with the stipulated criteria or requirements.
 - It is guilty of any offence involving fraud or dishonesty.
 - DA concludes that there is a just cause for withdrawing the designation.
- A CAB whose designation, and recognition in case of MRA, has been suspended or withdrawn shall be removed from the list of designated CABs, in case it fails to take corrective measures.
- DA shall keep the designation of a Designated CAB under suspension, until the completion of formal review process.

E. AMENDMENT TO THE SCHEME

DA reserves the rights to amend the scheme, as and when required, for the purpose of streamlining designation process.



SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s STL OF Quality Testing Laboratory
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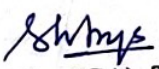
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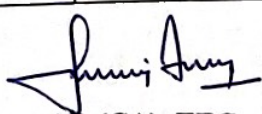
Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
1.	Optical Fibre (Single Mode)	Mode Field Diameter	
		for 1310 nm for Optical Fibre (ITU-T G.652.D) IEC 60793-1-45	TEC ER No. TEC70012008
		for 1550 nm for Optical Fibre (ITU-T G.655) IEC 60793-1-45	TEC ER No. TEC70012008
		for 1550 nm for Optical Fibre (ITU-T G.656) IEC 60793-1-45	TEC ER No. TEC70012008
		for 1310 nm for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-45	TEC ER No. TEC70012008
		for 1310 nm for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-45	TEC ER No. TEC70012008
		for 1310 nm for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-45	TEC ER No. TEC70012008


Director (CA), TEC

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AD (CA), TEC

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(ANNEXURE)

Laboratory Name: M/s STL OF Quality Testing Laboratory
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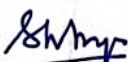
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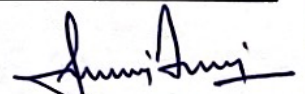
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Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	Cladding Diameter	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-20	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.655) IEC 60793-1-20	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.656) IEC 60793-1-20	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-20	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-20	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-20	TEC ER No. TEC70012008
		Cladding Non-Circularity	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-20	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.655) IEC 60793-1-20	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.656) IEC 60793-1-20	TEC ER No. TEC70012008


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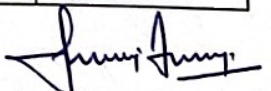
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Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	Cladding Non-Circularity	for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-20	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-20	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-20	TEC ER No. TEC70012008
		Core Clad Concentricity error	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-20	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.655) IEC 60793-1-20	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.656) IEC 60793-1-20	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-20	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-20	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-20	TEC ER No. TEC70012008


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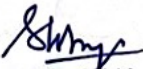
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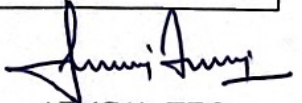
Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	Coating/ Cladding Concentricity	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-21	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.655) IEC 60793-1-21	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.656) IEC 60793-1-21	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A1) (i) 200 µm fibre (ii) 250 µm fibre IEC 60793-1-21	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A2) (i) 200 µm fibre (ii) 250 µm fibre IEC 60793-1-21	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-21	TEC ER No. TEC70012008
		Coating Diameter	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-21	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.655) IEC 60793-1-21	TEC ER No. TEC70012008


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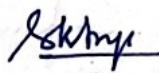
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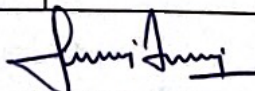
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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	Coating Diameter	for Optical Fibre (ITU-T G.656) IEC 60793-1-21	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A1) (i) 200 µm fibre (ii) 250 µm fibre IEC 60793-1-21	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A2) (i) 200 µm fibre (ii) 250 µm fibre IEC 60793-1-21	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-21	TEC ER No. TEC70012008
		Attenuation of Uncabled Fibre	for Optical Fibre (ITU-T G.652.D) (i) at 1310 nm (ii) at 1550 nm (iii) at 1490 nm (iv) at 1270 nm (v) at 1625 nm (vi) water peak attenuation at 1380 to 1390 nm (vii) Sudden irregularity in attenuation IEC 60793-1-40	TEC ER No. TEC70012008


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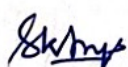
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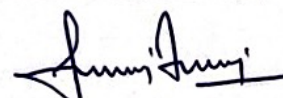
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Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
2.	Optical Fibre (Single Mode)	Attenuation of Uncabled Fibre	for Optical Fibre (ITU-T G.655) (i) at 1550 nm (ii) at 1625 nm (iii) Sudden irregularity in attenuation IEC 60793-1-40	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.656) (i) at 1460 nm (ii) at 1550 nm (iii) at 1625 nm (iv) at 1383 nm (v) Sudden irregularity in attenuation IEC 60793-1-40	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A1) (i) at 1310 nm (ii) at 1550 nm (iii) at 1490 nm (iv) at 1270 nm (v) at 1625 nm (vi) water peak attenuation at 1380 to 1390 nm (vii) Sudden irregularity in attenuation IEC 60793-1-40	TEC ER No. TEC70012008


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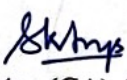
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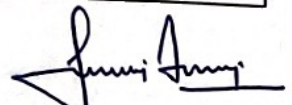
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Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	Attenuation of Uncabled Fibre	for Optical Fibre (ITU-T G.657.A2) (i) at 1310 nm (ii) at 1550 nm (iii) at 1490 nm (iv) at 1270 nm (v) at 1625 nm (vi) water peak attenuation at 1380 to 1390 nm (vii) Sudden irregularity in attenuation IEC 60793-1-40	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.B3) (i) at 1310 nm (ii) at 1550 nm (iii) at 1490 nm (iv) at 1270 nm (v) at 1625 nm (vi) water peak attenuation at 1380 to 1390 nm (vii) Sudden irregularity in attenuation IEC 60793-1-40	TEC ER No. TEC70012008


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SCOPE OF DESIGNATION **(ANNEXURE)**

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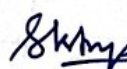
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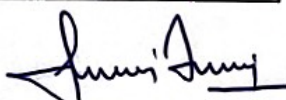
Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	Cable Cut off Wavelength	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-44	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.655) IEC 60793-1-44	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.656) IEC 60793-1-44	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-44	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-44	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-44	TEC ER No. TEC70012008
		Fibre Cutoff Wavelength for Fibre used in Patch cords & Pig-tails	for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-44	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-44	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-44	TEC ER No. TEC70012008


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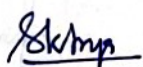
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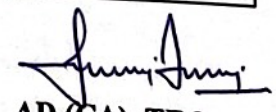
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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	Polarization Mode Dispersion for Uncabled Fiber	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-48	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.655) IEC 60793-1-48	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.656) IEC 60793-1-48	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-48	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-48	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-48	TEC ER No. TEC70012008
		Polarization Mode Dispersion [Link design value for un-cabled Fibre]	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-48	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.655) IEC 60793-1-48	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.656) IEC 60793-1-48	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-48	TEC ER No. TEC70012008


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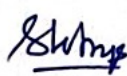
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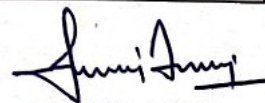
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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	Polarization Mode Dispersion [Link design value for un-cabled Fibre]	for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-48	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-48	TEC ER No. TEC70012008
		Zero Dispersion Slope	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-42	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-42	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-42	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-42	TEC ER No. TEC70012008


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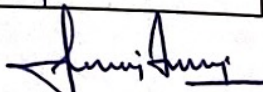
Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	Zero Dispersion Wavelength range	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-42	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-42	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-42	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-42	TEC ER No. TEC70012008
		Fibre Macro bend loss	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-47	TEC ER No. TEC70012008
			(i) Change in attenuation when fibre is coiled with 100 turns on 60 ±1.0 mm diameter mandrel.	
			(ii) Change in attenuation when fibre is coiled with 1 turn around 32 ± 0.5 mm diameter mandrel.	
			(iii) Change in attenuation when fibre is coiled with 100 turns on 50 ±0.5 mm diameter mandrel.	


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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s STL OF Quality Testing Laboratory
E1 E2 E3, MIDC-Waluj, Aurangabad,
Maharashtra- 431 136

Certificate Number: TEC/MRA/CAB/IND-D/82

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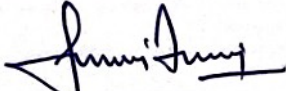
Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	Fibre Macro bend loss	for Optical Fibre (ITU-T G.655) IEC 60793-1-47 (i) Change in attenuation when fibre is coiled with 100 turns on 60 ±1.0 mm diameter mandrel. (ii) Change in attenuation when fibre is coiled with 1 turn around 32 ±0.5 mm diameter mandrel.	TEC ER No. TEC70012008
		Fibre Macro bend loss	for Optical Fibre (ITU-T G.656) IEC 60793-1-47 (i) Change in attenuation when fibre is coiled with 100 turns on 60 ±1.0 mm diameter mandrel. (ii) Change in attenuation when fibre is coiled with 1 turn around 32 ± 0.5 mm diameter mandrel.	TEC ER No. TEC70012008


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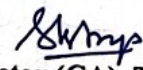
Certificate Number: TEC/MRA/CAB/IND-D/82

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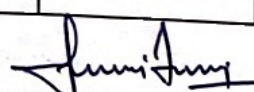
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Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	Fibre Macro bend loss	for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-47 (i) Change in attenuation when fibre is coiled with 10 turns on 15 mm radius mandrel.	TEC ER No. TEC70012008
			(ii) Change in attenuation when fibre is coiled with 1 turn on 10 mm radius mandrel.	
		Fibre Macro bend loss	for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-47 (i) Change in attenuation when fibre is coiled with 10 turns on 15 mm radius mandrel.	TEC ER No. TEC70012008
			(ii) Change in attenuation when fibre is coiled with 1 turn on 10 mm radius mandrel. (iii) Change in attenuation when fibre is coiled with 1 turn on 7.5 mm radius mandrel.	


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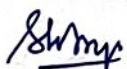
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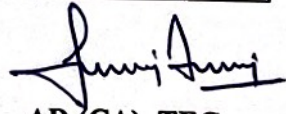
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Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	Fibre Macro bend loss	for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-47 (i) Change in attenuation when fibre is coiled with 1 turn on 10 mm radius mandrel. (ii) Change in attenuation when fibre is coiled with 1 turn on 7.5 mm radius mandrel. (iii) Change in attenuation when fibre is coiled with 1 turn on 5 mm radius mandrel.	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.652.D) IEC 60793-1-32	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.655) IEC 60793-1-32	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.656) IEC 60793-1-32	TEC ER No. TEC70012008
		Peak Stripability Force to Remove Primary Coating of the fiber (Unaged, Water aged, Damp Heat aged)		


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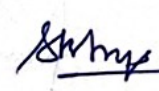
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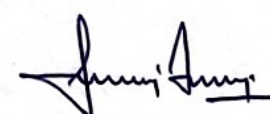
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Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	Peak Stripability Force to Remove Primary Coating of the fiber (Unaged, Water aged, Damp Heat aged)	for Optical Fibre (ITU-T G.657.A1) (i) 200 µm fibre (ii) 250 µm fibre IEC 60793-1-32	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A2) (i) 200 µm fibre (ii) 250 µm fibre IEC 60793-1-32	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-32	TEC ER No. TEC70012008
		Dynamic Tensile Strength (Unaged, Damp Heat aged)	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-31	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.655) IEC 60793-1-31	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.656) IEC 60793-1-31	TEC ER No. TEC70012008


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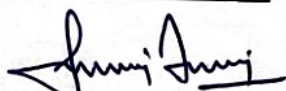
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Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	Dynamic Tensile Strength (Unaged, Damp Heat aged)	for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-31	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-31	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-31	TEC ER No. TEC70012008
		Dynamic Fatigue (Unaged , Damp Heat aged)	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-33	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.655) IEC 60793-1-33	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.656) IEC 60793-1-33	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-33	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-33	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-33	TEC ER No. TEC70012008


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SCOPE OF DESIGNATION
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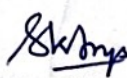
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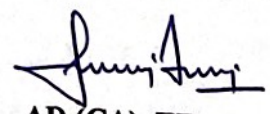
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Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	Fibre Curl	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-34	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.655) IEC 60793-1-34	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.656) IEC 60793-1-34	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-34	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-34	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-34	TEC ER No. TEC70012008
		Operating Temperature/ Temperature Cycle Test/ Change of Temperature	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-52	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.655) IEC 60793-1-52	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.656) IEC 60793-1-52	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-52	TEC ER No. TEC70012008


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SCOPE OF DESIGNATION **(ANNEXURE)**

Laboratory Name: M/s STL OF Quality Testing Laboratory
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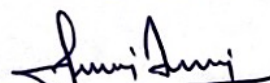
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Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	Operating Temperature/ Temperature Cycle Test/ Change of Temperature	for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-52	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-52	TEC ER No. TEC70012008
		Temperature-Humidity Cycle Test	for Optical Fibre (ITU-T G.652.D) EIA/TIA 455-73	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.655) EIA/TIA 455-73	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.656) EIA/TIA 455-73	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A1) EIA/TIA 455-73	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A2) EIA/TIA 455-73	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.B3) EIA/TIA 455-73	TEC ER No. TEC70012008


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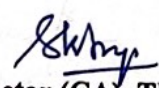
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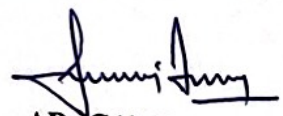
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Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	Water Immersion Test at 23°C	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-53	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.655) IEC 60793-1-53	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.656) IEC 60793-1-53	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-53	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-53	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-53	TEC ER No. TEC70012008
		Accelerated Aging (Dry Heat) Test at 85°C	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-51	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.655) IEC 60793-1-51	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.656) IEC 60793-1-51	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-51	TEC ER No. TEC70012008


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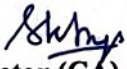
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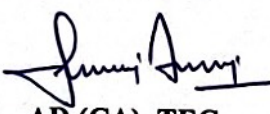
Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	Accelerated Aging (Dry Heat) Test at 85°C	for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-51	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-51	TEC ER No. TEC70012008
		Retention of Coating Color	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-51	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.655) IEC 60793-1-51	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.656) IEC 60793-1-51	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-51	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-51	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-51	TEC ER No. TEC70012008


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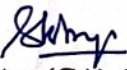
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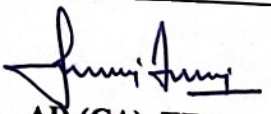
Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	High Temperature and High Humidity Test	for Optical Fibre (ITU-T G.652.D) IEC 60793-2-50	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.655) IEC 60793-2-50	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.656) IEC 60793-2-50	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-2-50	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-2-50	TEC ER No. TEC70012008
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-2-50	TEC ER No. TEC70012008


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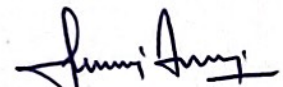
Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
2.	Raw material for Manufacturing of Optical Fibre Cable	Mode Field Diameter	for Optical Fibre (ITU-T G.652.D) IEC 60793-2-50	TEC GR No. TEC89010:2021
			for 1550 nm for Optical Fibre (ITU-T G.655) IEC 60793-1-45	TEC GR No. TEC89010:2021
			for 1550 nm for Optical Fibre (ITU-T G.656) IEC 60793-1-45	TEC GR No. TEC89010:2021
			for 1310 nm for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-45	TEC GR No. TEC89010:2021
			for 1310 nm for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-45	TEC GR No. TEC89010:2021
			for 1310 nm for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-45	TEC GR No. TEC89010:2021
		Cladding Diameter	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-20	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.655) IEC 60793-1-20	TEC GR No. TEC89010:2021


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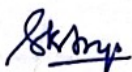
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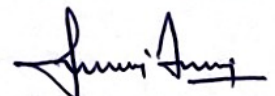
Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Cladding Diameter	for Optical Fibre (ITU-T G.656) IEC 60793-1-20	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-20	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-20	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-20	TEC GR No. TEC89010:2021
		Cladding Non-Circularity	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-20	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.655) IEC 60793-1-20	TEC GR No. TEC89010:2021
			(c) for Optical Fibre (ITU-T G.656) IEC 60793-1-20	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-20	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-20	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-20	TEC GR No. TEC89010:2021



Director (CA), TEC



AD (CA), TEC

***The validity of Certificate is up to 12/07/2025 or the continued validity of NABL Accreditation, whichever is earlier.**

SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s STL OF Quality Testing Laboratory
E1 E2 E3, MIDC-Waluj, Aurangabad,
Maharashtra- 431 136

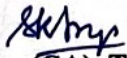
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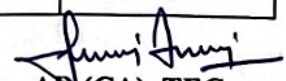
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Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Core Clad Concentricity error	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-20	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.655) IEC 60793-1-20	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.656) IEC 60793-1-20	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-20	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-20	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-20	TEC GR No. TEC89010:2021
		Coating/ Cladding Concentricity	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-21	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.655) IEC 60793-1-21	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.656) IEC 60793-1-21	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A1) (i) 200 µm fibre (ii) 250 µm fibre IEC 60793-1-21	TEC GR No. TEC89010:2021


Director (CA), TEC


AD (CA), TEC

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SCOPE OF DESIGNATION **(ANNEXURE)**

Laboratory Name: M/s STL OF Quality Testing Laboratory
E1 E2 E3, MIDC-Waluj, Aurangabad,
Maharashtra- 431 136

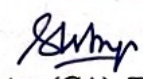
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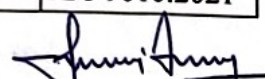
Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Coating/ Cladding Concentricity	for Optical Fibre (ITU-T G.657.A2) (i) 200 μ m fibre (ii) 250 μ m fibre IEC 60793-1-21	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-21	TEC GR No. TEC89010:2021
		Coating Diameter	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-21	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.655) IEC 60793-1-21	TEC GR No. TEC 9010:2021
			for Optical Fibre (ITU-T G.656) IEC 60793-1-21	TEC GR No. TEC 9010:2021
			for Optical Fibre (ITU-T G.657.A1) (i) 200 μ m fibre (ii) 250 μ m fibre IEC 60793-1-21	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A2) (i) 200 μ m fibre (ii) 250 μ m fibre IEC 60793-1-21	TEC GR No. TEC 9010:2021
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-21	TEC GR No. TEC 9010:2021


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SCOPE OF DESIGNATION
(ANNEXURE)

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E1 E2 E3, MIDC-Waluj, Aurangabad,
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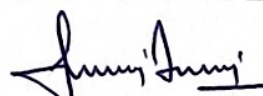
Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Attenuation of Uncabled Fibre for Optical Fibre (ITU-T G.652.D) (i) at 1310 nm (ii) at 1550 nm (iii) at 1490 nm (iv) at 1270 nm (v) at 1625 nm (vi) water peak attenuation at 1380 to 1390 nm (vii) Sudden irregularity in attenuation IEC 60793-1-40	TEC GR No. TEC89010:2021
		for Optical Fibre (ITU-T G.655) (i) at 1550 nm (ii) at 1625 nm (iii) Sudden irregularity in attenuation IEC 60793-1-40	TEC GR No. TEC89010:2021
		for Optical Fibre (ITU-T G.656) (i) at 1460 nm (ii) at 1550 nm (iii) at 1625 nm (iv) at 1383 nm (v) Sudden irregularity in attenuation IEC 60793-1-40	TEC GR No. TEC89010:2021


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SCOPE OF DESIGNATION
(ANNEXURE)

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E1 E2 E3, MIDC-Waluj, Aurangabad,
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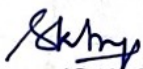
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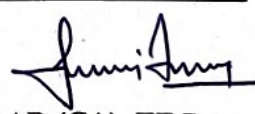
Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Attenuation of Uncabled Fibre	
		for Optical Fibre (ITU-T G.657.A1) (i) at 1310 nm (ii) at 1550 nm (iii) at 1490 nm (iv) at 1270 nm (v) at 1625 nm (vi) water peak attenuation at 1380 to 1390 nm (vii) Sudden irregularity in attenuation IEC 60793-1-40	TEC GR No. TEC89010:2021
		for Optical Fibre (ITU-T G.657.A2) (i) at 1310 nm (ii) at 1550 nm (iii) at 1490 nm (iv) at 1270 nm (v) at 1625 nm (vi) water peak attenuation at 1380 to 1390 nm (vii) Sudden irregularity in attenuation IEC 60793-1-40	TEC GR No. TEC89010:2021


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SCOPE OF DESIGNATION **(ANNEXURE)**

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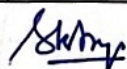
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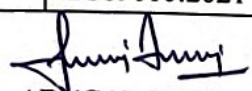
Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Attenuation of Uncabled Fibre	for Optical Fibre (ITU-T G.657.B3)	TEC GR No. TEC89010:2021
			(i) at 1310 nm (ii) at 1550 nm (iii) at 1490 nm (iv) at 1270 nm (v) at 1625 nm (vi) water peak attenuation at 1380 to 1390 nm (vii) Sudden irregularity in attenuation IEC 60793-1-40	
		Cable Cut off Wavelength	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-44	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.655) IEC 60793-1-44	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.656) IEC 60793-1-44	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-44	TEC GR No. TEC 9010:2021
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-4	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-44	TEC GR No. TEC89010:2021


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SCOPE OF DESIGNATION **(ANNEXURE)**

Laboratory Name: M/s STL OF Quality Testing Laboratory
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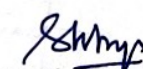
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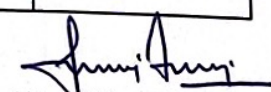
Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Fibre Cutoff Wavelength for Fibre used in Patch cords & Pig-tails	for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-44
			TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-44
			TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-44
			TEC GR No. TEC89010:2021
		Polarization Mode Dispersion for Uncabled Fiber	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-48
			TEC GR No. TEC 9010:2021
			for Optical Fibre (ITU-T G.655) IEC 60793-1-48
			TEC GR No. TEC 9010:2021
			for Optical Fibre (ITU-T G.656) IEC 60793-1-48
			TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-48
			TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-48
			TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-48
			TEC GR No. TEC89010:2021


Director (CA), TEC

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SCOPE OF DESIGNATION **(ANNEXURE)**

Laboratory Name: M/s STL OF Quality Testing Laboratory
E1 E2 E3, MIDC-Waluj, Aurangabad,
Maharashtra- 431 136

Certificate Number: TEC/MRA/CAB/IND-D/82

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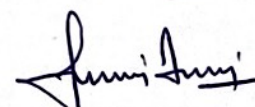
Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Polarization Mode Dispersion [Link design value for un-cabled Fibre]	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-48	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.655) IEC 60793-1-48	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.656) IEC 60793-1-48	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-48	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-48	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-48	TEC GR No. TEC89010:2021
		Zero Dispersion Slope	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-42	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-42	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-42	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-42	TEC GR No. TEC89010:2021


Director (CA), TEC

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AD (CA), TEC

SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s STL OF Quality Testing Laboratory
E1 E2 E3, MIDC-Waluj, Aurangabad,
Maharashtra- 431 136

Certificate Number: TEC/MRA/CAB/IND-D/82

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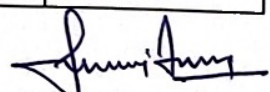
Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Zero Dispersion Wavelength range	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-42	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-42	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-42	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-42	TEC GR No. TEC89010:2021
		Fibre Macro bend loss	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-47 (i) Change in attenuation when fiber is coiled with 100 turns on 60 $\pm$ 1.0 mm diameter mandrel. (ii) Change in attenuation when fiber is coiled with 1 turn around 32 $\pm$ 0.5 mm diameter mandrel. (iii) Change in attenuation when fiber is coiled with 100 turns on 50 $\pm$ 0.5 mm diameter mandrel.	TEC GR No. TEC89010:2021


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SCOPE OF DESIGNATION
(ANNEXURE)

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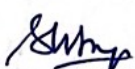
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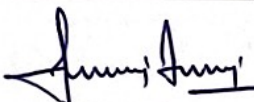
Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Fibre Macro bend loss for Optical Fibre (ITU-T G.655) IEC 60793-1-47 (i) Change in attenuation when fiber is coiled with 100 turns on 60 ±1.0 mm diameter mandrel. (ii) Change in attenuation when fiber is coiled with 1 turn around 32 ±0.5 mm diameter mandrel.	TEC GR No. TEC89010:2021
		Fibre Macro bend loss for Optical Fibre (ITU-T G.656) IEC 60793-1-47 (i) Change in attenuation when fiber is coiled with 100 turns on 60 ±1.0 mm diameter mandrel. (ii) Change in attenuation when fiber is coiled with 1 turn around 32 ± 0.5 mm diameter mandrel.	TEC GR No. TEC89010:2021


Director (CA), TEC

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SCOPE OF DESIGNATION **(ANNEXURE)**

Laboratory Name: M/s STL OF Quality Testing Laboratory
E1 E2 E3, MIDC-Waluj, Aurangabad,
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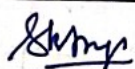
Certificate Number: TEC/MRA/CAB/IND-D/82

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Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Fibre Macro bend loss	for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-47 (i) Change in attenuation when fibre is coiled with 10 turns on 15 mm radius mandrel. (ii) Change in attenuation when fibre is coiled with 1 turn on 10 mm radius mandrel.	TEC GR No. TEC89010:2021
		Fibre Macro bend loss	for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-47 (i) Change in attenuation when fibre is coiled with 10 turns on 15 mm radius mandrel. (ii) Change in attenuation when fibre is coiled with 1 turn on 10 mm radius mandrel. (iii) Change in attenuation when fibre is coiled with 1 turn on 7.5 mm radius mandrel.	TEC GR No. TEC89010:2021


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SCOPE OF DESIGNATION **(ANNEXURE)**

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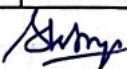
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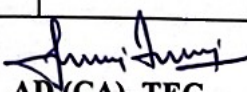
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Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification	
	Raw material for Manufacturing of Optical Fibre Cable	Fibre Macro bend loss	for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-47 (i) Change in attenuation when fibre is coiled with 1 turn on 10 mm radius mandrel. (ii) Change in attenuation when fibre is coiled with 1 turn on 7.5 mm radius mandrel. (iii) Change in attenuation when fibre is coiled with 1 turn on 5 mm radius mandrel.	TEC GR No. TEC89010:2021	
			Peak Stripability Force to Remove Primary Coating of the fiber (Unaged, Water aged, Damp heat aged)	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-32	TEC GR No. TEC89010:2021
				for Optical Fibre (ITU-T G.655) IEC 60793-1-32	TEC GR No. TEC89010:2021
				for Optical Fibre (ITU-T G.656) IEC 60793-1-32	TEC GR No. TEC89010:2021
		for Optical Fibre (ITU-T G.657.A1) (i) 200 µm fibre (ii) 250 µm fibre IEC 60793-1-32		TEC GR No. TEC89010:2021	


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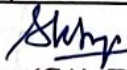
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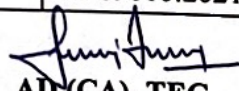
Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Peak Stripability Force to Remove Primary Coating of the fiber (Unaged, Water aged, Damp heat aged)	for Optical Fibre (ITU-T G.657.A2) (i) 200 µm fibre (ii) 250 µm fibre IEC 60793-1-32	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-32	TEC GR No. TEC89010:2021
		Dynamic Tensile Strength (Unaged, Damp Heat aged)	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-31	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.655) IEC 60793-1-31	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.656) IEC 60793-1-31	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-31	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-31	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-31	TEC GR No. TEC89010:2021


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SCOPE OF DESIGNATION
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E1 E2 E3, MIDC-Waluj, Aurangabad,
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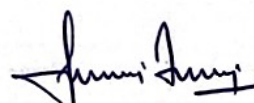
Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Dynamic Fatigue (Unaged , Damp Heat aged)	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-33	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.655) IEC 60793-1-33	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.656) IEC 60793-1-33	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-33	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-33	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-33	TEC GR No. TEC89010:2021
		Fibre Curl	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-34	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.655) IEC 60793-1-34	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.656) IEC 60793-1-34	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-34	TEC GR No. TEC89010:2021


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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s STL OF Quality Testing Laboratory
E1 E2 E3, MIDC-Waluj, Aurangabad,
Maharashtra- 431 136

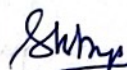
Certificate Number: TEC/MRA/CAB/IND-D/82

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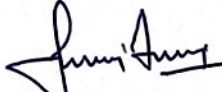
Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Fibre Curl	for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-34
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-34
		Operating Temperature/ Temperature Cycle Test/ Change of Temperature	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-52
			for Optical Fibre (ITU-T G.655) IEC 60793-1-52
			for Optical Fibre (ITU-T G.656) IEC 60793-1-52
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-52
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-52
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-52
			TEC GR No. TEC89010:2021
			TEC GR No. TEC89010:2021
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SCOPE OF DESIGNATION **(ANNEXURE)**

Laboratory Name: M/s STL OF Quality Testing Laboratory
E1 E2 E3, MIDC-Waluj, Aurangabad,
Maharashtra- 431 136

Certificate Number: TEC/MRA/CAB/IND-D/82

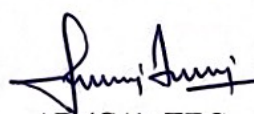
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Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Temperature-Humidity Cycle Test	for Optical Fibre (ITU-T G.652.D) EIA/TIA 455-73	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.655) EIA/TIA 455-73	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.656) EIA/TIA 455-73	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A1) EIA/TIA 455-73	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A2) EIA/TIA 455-73	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.B3) EIA/TIA 455-73	TEC GR No. TEC89010:2021
		Water Immersion Test at 23°C	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-53	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.655) IEC 60793-1-53	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.656) IEC 60793-1-53	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-53	TEC GR No. TEC89010:2021


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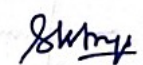
Certificate Number: TEC/MRA/CAB/IND-D/82

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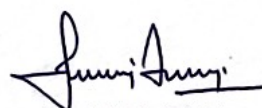
Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Water Immersion Test at 23°C	for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-53
			TEC GR No. TEC89010:2021
		Accelerated Aging (Dry Heat) Test at 85°C	for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-53
			TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.652.D) IEC 60793-1-51
			TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.655) IEC 60793-1-51
			TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.656) IEC 60793-1-51
			TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-51
			TEC GR No. TEC89010:2021
		Retention of Coating Color	for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-51
			TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-51
			TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.652.D) IEC 60793-1-51
			TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.655) IEC 60793-1-51
			TEC GR No. TEC89010:2021


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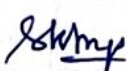
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Validity: 13/07/2022 to 12/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Retention of Coating Color	for Optical Fibre (ITU-T G.656) IEC 60793-1-51
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-51
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-51
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-51
		High Temperature and High Humidity Test	for Optical Fibre (ITU-T G.652.D) IEC 60793-2-50
			for Optical Fibre (ITU-T G.655) IEC 60793-2-50
			for Optical Fibre (ITU-T G.656) IEC 60793-2-50
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-2-50
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-2-50
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-2-50
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-2-50


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