



**GOVERNMENT OF INDIA
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF TELECOMMUNICATIONS
TELECOMMUNICATION ENGINEERING CENTRE
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi-110001**

CERTIFICATE OF DESIGNATION

M/s APAR Industries Limited (Optical Fibre Cable Lab), Gujarat

has been assessed and designated as Conformity Assessment Body (CAB)
for its facilities at

**Survey No, 6074, 2228, 1991, 6341/P1, 2219, 2221, Khatalwada Manekpur Road,
Gujarat-396120**

In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/110

Issue Date: 14/05/2026

Validity: 14/05/2026 to 13/05/2029

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

**Sanjeev Kumar Arya
Director (CA)
For Designating Authority
TEC**

**Certificate No: TEC/MRA/CAB/IND-D/110 dated 14/05/2026 issued to
M/s APAR Industries Limited (Optical Fibre Cable Lab), Gujarat
Survey No, 6074, 2228, 1991, 6341/P1, 2219, 2221, Khatalwada
Manekpur Road, Gujarat-396120**



Validity: - 14/05/2026 to 13/05/2029

Terms & Conditions

This certificate is issued as per the terms and conditions stipulated in the TEC SCHEME FOR DESIGNATING DOMESTIC CONFORMITY ASSESEMENT BODIES AND CERTIFICATION BODIES FOR CONFORMITY ASSESEMENT AND CERTIFICATION OF TELECOMMUNICATION EQUIPMENT ISSUE 3 NO. TEC 04019:2023.

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.

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

B. REFERENCE TO DESIGNATION STATUS

1. Designated CABs may advertise their designation status with regard to standards or parts thereof which are included in the scope of designation.
2. 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.
3. 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

1. DA shall suspend or withdraw the designation of a CAB if
 - a. Its accreditation is withdrawn.
 - b. It is found that the CAB is not complying with the stipulated criteria or requirements.
 - c. It is guilty of any offence involving fraud or dishonesty.
 - d. DA concludes that there is a just cause for withdrawing the designation.
2. 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.
3. 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 APAR Industries Limited (Optical Fibre Cable Lab), Gujarat.
Survey No, 6074, 2228, 1991, 6341/P1, 2219, 2221,
Khatalwada Manekpur Road, Gujarat-396120

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Validity: 14/05/2026 to 13/05/2029

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification	
1.	Optical Fibre Cable-Duct	Transmission Characteristics	Attenuation at 1310nm IEC 60793-1-40	TEC ER No. TEC70022401
			Attenuation at 1550nm IEC 60793-1-40	TEC ER No. TEC70022401
			Attenuation at 1625nm IEC 60793-1-40	TEC ER No. TEC70022401
			PMD Cabled Loose Fibre IEC 60793-1-48	TEC ER No. TEC70022401
			PMD Cabled Ribbon Fibre IEC 60793-1-48	TEC ER No. TEC70022401
		Mechanical Characteristics	Tensile Strength IEC 60794-1-21	TEC ER No. TEC70022401
			Crush Resistance IEC 60794-1-21	TEC ER No. TEC70022401
			Impact IEC 60794-1-21	TEC ER No. TEC70022401
			Bend Test IEC 60794-1-21	TEC ER No. TEC70022401
			Repeated Bend Test IEC 60794-1-21	TEC ER No. TEC70022401
	Environmental Characteristics	Temperature Cycling IEC 60794-1-22	TEC ER No. TEC70022401	
		Optical Fibre Cable – Micro-Duct	Transmission Characteristics	Attenuation at 1310nm IEC 60793-1-40
	Attenuation at 1550nm IEC 60793-1-40			TEC ER No. TEC70022401

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
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	Optical Fibre Cable – Micro-Duct	Transmission Characteristics	Attenuation at 1625nm IEC 60793-1-40	TEC ER No. TEC70022401
			PMD Cabled Loose Fibre IEC 60793-1-48	TEC ER No. TEC70022401
			PMD Cabled Ribbon Fibre IEC 60793-1-48	TEC ER No. TEC70022401
		Mechanical Characteristics	Tensile Strength IEC 60794-1-21	TEC ER No. TEC70022401
			Crush Resistance IEC 60794-1-21	TEC ER No. TEC70022401
			Impact IEC 60794-1-21	TEC ER No. TEC70022401
			Bend Test IEC 60794-1-21	TEC ER No. TEC70022401
			Repeated Bend Test IEC 60794-1-21	TEC ER No. TEC70022401
			Torsion Test IEC 60794-1-21	TEC ER No. TEC70022401
			Environmental Characteristics	Temperature Cycling IEC 60794-1-22
	Optical Fibre Cable – Direct Buried	Transmission Characteristics	Attenuation at 1310nm IEC 60793-1-40	TEC ER No. TEC70022401
			Attenuation at 1550nm IEC 60793-1-40	TEC ER No. TEC70022401
			Attenuation at 1625nm IEC 60793-1-40	TEC ER No. TEC70022401
PMD Cabled Loose Fibre IEC 60793-1-48			TEC ER No. TEC70022401	

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification	
	Optical Fibre Cable – Direct Buried	Transmission Characteristics	PMD Cabled Ribbon Fibre IEC 60793-1-48	TEC ER No. TEC70022401
		Mechanical Characteristics	Tensile Strength IEC 60794-1-21	TEC ER No. TEC70022401
			Crush Resistance IEC 60794-1-21	TEC ER No. TEC70022401
			Impact IEC 60794-1-21	TEC ER No. TEC70022401
			Bend Test IEC 60794-1-21	TEC ER No. TEC70022401
			Repeated Bend Test IEC 60794-1-21	TEC ER No. TEC70022401
			Torsion Test IEC 60794-1-21	TEC ER No. TEC70022401
	Environmental Characteristics	Temperature Cycling IEC 60794-1-22	TEC ER No. TEC70022401	
	Optical Fibre Cable – ADSS along Power Line	Transmission Characteristics	Attenuation at 1310nm IEC 60793-1-40	TEC ER No. TEC70022401
			Attenuation at 1550nm IEC 60793-1-40	TEC ER No. TEC70022401
Attenuation at 1625nm IEC 60793-1-40			TEC ER No. TEC70022401	
PMD Cabled Loose Fibre IEC 60793-1-48			TEC ER No. TEC70022401	
PMD Cabled Ribbon Fibre IEC 60793-1-48			TEC ER No. TEC70022401	

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification	
	Optical Fibre Cable – ADSS along Power Line	Mechanical Characteristics	Tensile Strength IEC 60794-1-21	TEC ER No. TEC70022401
		Crush Resistance IEC 60794-1-21	TEC ER No. TEC70022401	
		Impact IEC 60794-1-21	TEC ER No. TEC70022401	
		Bend Test IEC 60794-1-21	TEC ER No. TEC70022401	
		Repeated Bend Test IEC 60794-1-21	TEC ER No. TEC70022401	
		Torsion Test IEC 60794-1-21	TEC ER No. TEC70022401	
		Galloping Test IEC 60794-1-21	TEC ER No. TEC70022401	
	Environmental Characteristics	Temperature Cycling IEC 60794-1-22	TEC ER No. TEC70022401	
	Optical Fibre Cable – ADSS on Aerial Alignment	Transmission Characteristics	Attenuation at 1310nm IEC 60793-1-40	TEC ER No. TEC70022401
		Attenuation at 1550nm IEC 60793-1-40	TEC ER No. TEC70022401	
		Attenuation at 1625nm IEC 60793-1-40	TEC ER No. TEC70022401	
		PMD Cabled Loose Fibre IEC 60793-1-48	TEC ER No. TEC70022401	
		PMD Cabled Ribbon Fibre IEC 60793-1-48	TEC ER No. TEC70022401	

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification	
	Optical Fibre Cable – ADSS on Aerial Alignment	Mechanical Characteristics	Tensile Strength IEC 60794-1-21	TEC ER No. TEC70022401
		Crush Resistance IEC 60794-1-21	TEC ER No. TEC70022401	
		Impact IEC 60794-1-21	TEC ER No. TEC70022401	
		Bend Test IEC 60794-1-21	TEC ER No. TEC70022401	
		Repeated Bend Test IEC 60794-1-21	TEC ER No. TEC70022401	
		Torsion Test IEC 60794-1-21	TEC ER No. TEC70022401	
		Galloping Test IEC 60794-1-21	TEC ER No. TEC70022401	
	Environmental Characteristics	Temperature Cycling IEC 60794-1-22	TEC ER No. TEC70022401	
	Optical Fibre Cable - Optical Ground Wire – OPGW	Transmission Characteristics	Attenuation at 1310nm IEC 60793-1-40	TEC ER No. TEC70022401
		Attenuation at 1550nm IEC 60793-1-40	TEC ER No. TEC70022401	
		Attenuation at 1625nm IEC 60793-1-40	TEC ER No. TEC70022401	
		PMD Cabled Loose Fibre IEC 60793-1-48	TEC ER No. TEC70022401	
		PMD Cabled Ribbon Fibre IEC 60793-1-48	TEC ER No. TEC70022401	

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification	
	Optical Fibre Cable - Optical Ground Wire - OPGW	Mechanical Characteristics	Strain Margin Test/ MRDT Test IEEE 1138	TEC ER No. TEC70022401
			Sheave Test IEEE 1138, IEC- 60794- 1-2- E9	TEC ER No. TEC70022401
			Crush Test IEEE 1138, IEC 60794- 1-2-E3	TEC ER No. TEC70022401
			Bend Test IEEE 1138, IEC 60794-1-2-E11	TEC ER No. TEC70022401
			Aeolian Vibration Test IEEE 1138	TEC ER No. TEC70022401
			Galloping Test IEEE 1138	TEC ER No. TEC70022401
		Environmental Characteristics	Temperature Cycling IEEE 1138	TEC ER No. TEC70022401
	Optical Fibre Cable - Indoor	Transmission Characteristics	Attenuation at 1310nm IEC 60793-1-40	TEC ER No. TEC70022401
			Attenuation at 1550nm IEC 60793-1-40	TEC ER No. TEC70022401
			Attenuation at 1625nm IEC 60793-1-40	TEC ER No. TEC70022401
			PMD Cabled Loose Fibre IEC 60793-1-48	TEC ER No. TEC70022401
			PMD Cabled Ribbon Fibre IEC 60793-1-48	TEC ER No. TEC70022401
Mechanical Characteristics			Tensile Strength IEC 60794-1-21	TEC ER No. TEC70022401
	Crush Resistance IEC 60794-1-21	TEC ER No. TEC70022401		

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification	
	Optical Fibre Cable – Indoor	Mechanical Characteristics	Impact IEC 60794-1-21	TEC ER No. TEC70022401
			Bend Test IEC 60794-1-21	TEC ER No. TEC70022401
			Repeated Bend Test IEC 60794-1-21	TEC ER No. TEC70022401
			Torsion Test IEC 60794-1-21	TEC ER No. TEC70022401
		Environmental Characteristics	Temperature Cycling IEC 60794-1-22	TEC ER No. TEC70022401
	Optical Fibre Cable – Access Outdoor	Transmission Characteristics	Attenuation at 1310nm IEC 60793-1-40	TEC ER No. TEC70022401
			Attenuation at 1550nm IEC 60793-1-40	TEC ER No. TEC70022401
			Attenuation at 1625nm IEC 60793-1-40	TEC ER No. TEC70022401
			PMD Cabled Loose Fibre IEC 60793-1-48	TEC ER No. TEC70022401
			PMD Cabled Ribbon Fibre IEC 60793-1-48	TEC ER No. TEC70022401
Mechanical Characteristics		Tensile Strength IEC 60794-1-21	TEC ER No. TEC70022401	
		Crush Resistance IEC 60794-1-21	TEC ER No. TEC70022401	
	Impact IEC 60794-1-21	TEC ER No. TEC70022401		
		Bend Test IEC 60794-1-21	TEC ER No. TEC70022401	

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(ANNEXURE)

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
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Optical Fibre Cable – Access Outdoor	Mechanical Characteristics	Repeated Bend Test IEC 60794-1-21	TEC ER No. TEC70022401	
		Torsion Test IEC 60794-1-21	TEC ER No. TEC70022401	
Optical Fibre Cable – Indoor- Outdoor	Environmental Characteristics	Temperature Cycling IEC 60794-1-22	TEC ER No. TEC70022401	
		Transmission Characteristics	Attenuation at 1310nm IEC 60793-1-40	TEC ER No. TEC70022401
Optical Fibre Cable – Indoor- Outdoor	Transmission Characteristics	Attenuation at 1550nm IEC 60793-1-40	TEC ER No. TEC70022401	
		Attenuation at 1625nm IEC 60793-1-40	TEC ER No. TEC70022401	
		PMD Cabled Loose Fibre IEC 60793-1-48	TEC ER No. TEC70022401	
		PMD Cabled Ribbon Fibre IEC 60793-1-48	TEC ER No. TEC70022401	
		Mechanical Characteristics	Tensile Strength IEC 60794-1-21	TEC ER No. TEC70022401
			Crush Resistance IEC 60794-1-21	TEC ER No. TEC70022401
			Impact IEC 60794-1-21	TEC ER No. TEC70022401
			Bend Test IEC 60794-1-21	TEC ER No. TEC70022401
			Repeated Bend Test IEC 60794-1-21	TEC ER No. TEC70022401
			Torsion Test IEC 60794-1-21	TEC ER No. TEC70022401

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
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	Optical Fibre Cable – Indoor-Outdoor	Environmental Characteristics	Temperature Cycling IEC 60794-1-22	TEC ER No. TEC70022401
	Optical Fibre Cable – In-home	Transmission Characteristics	Attenuation at 1310nm IEC 60793-1-40	TEC ER No. TEC70022401
			Attenuation at 1550nm IEC 60793-1-40	TEC ER No. TEC70022401
			Attenuation at 1625nm IEC 60793-1-40	TEC ER No. TEC70022401
			PMD Cabled Loose Fibre IEC 60793-1-48	TEC ER No. TEC70022401
			PMD Cabled Ribbon Fibre IEC 60793-1-48	TEC ER No. TEC70022401
		Mechanical Characteristics	Tensile Strength IEC 60794-1-21	TEC ER No. TEC70022401
			Crush Resistance IEC 60794-1-21	TEC ER No. TEC70022401
			Impact IEC 60794-1-21	TEC ER No. TEC70022401
			Bend Test IEC 60794-1-21	TEC ER No. TEC70022401
			Repeated Bend Test IEC 60794-1-21	TEC ER No. TEC70022401
	Environmental Characteristics	Torsion Test IEC 60794-1-21	TEC ER No. TEC70022401	
		Temperature Cycling IEC 60794-1-22	TEC ER No. TEC70022401	

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification	
	Optical Fibre Cable – DSA	Transmission Characteristics	Attenuation at 1310nm IEC 60793-1-40	TEC ER No. TEC70022401
			Attenuation at 1550nm IEC 60793-1-40	TEC ER No. TEC70022401
			Attenuation at 1625nm IEC 60793-1-40	TEC ER No. TEC70022401
			PMD Cabled Loose Fibre IEC 60793-1-48	TEC ER No. TEC70022401
			PMD Cabled Ribbon Fibre IEC 60793-1-48	TEC ER No. TEC70022401
		Mechanical Characteristics	Tensile Strength IEC 60794-1-21	TEC ER No. TEC70022401
			Crush Resistance IEC 60794-1-21	TEC ER No. TEC70022401
			Impact IEC 60794-1-21	TEC ER No. TEC70022401
			Bend Test IEC 60794-1-21	TEC ER No. TEC70022401
			Repeated Bend Test IEC 60794-1-21	TEC ER No. TEC70022401
		Environmental Characteristics	Torsion Test IEC 60794-1-21	TEC ER No. TEC70022401
			Temperature Cycling IEC 60794-1-22	TEC ER No. TEC70022401

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
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Optical Fibre Cable-Hybrid Cable - Optical and Metallic	Transmission Characteristics	Attenuation at 1310nm IEC 60793-1-40	TEC ER No. TEC70022401
		Attenuation at 1550nm IEC 60793-1-40	TEC ER No. TEC70022401
		Attenuation at 1625nm IEC 60793-1-40	TEC ER No. TEC70022401
		PMD Cabled Loose Fibre IEC 60793-1-48	TEC ER No. TEC70022401
		PMD Cabled Ribbon Fibre IEC 60793-1-48	TEC ER No. TEC70022401
	Mechanical Characteristics	Tensile Strength IEC 60794-1-21	TEC ER No. TEC70022401
		Crush Resistance IEC 60794-1-21	TEC ER No. TEC70022401
		Impact IEC 60794-1-21	TEC ER No. TEC70022401
		Bend Test IEC 60794-1-21	TEC ER No. TEC70022401
		Repeated Bend Test IEC 60794-1-21	TEC ER No. TEC70022401
	Environmental Characteristics	Torsion Test IEC 60794-1-21	TEC ER No. TEC70022401
		Temperature Cycling IEC 60794-1-22	TEC ER No. TEC70022401

AD (CA-II), TEC

***The validity of Certificate is up to 13/05/2029 or the continued validity of NABL Accreditation, whichever is earlier.**