



**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 BIRLA CABLE LIMITED  
(OFC TESTING LABORATORY), REWA**

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

**Udhyog Vihar. P.O. Chorhata, Rewa, Madhya Pradesh – 486006**

**In the field of Testing**

**Certificate No. TEC/MRA/CAB/IND-D/96**

**Issue Date: 02/05/2024**

**Validity: 02/05/2024 to 01/05/2027**

**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](http://www.tec.gov.in))**

**Signed for and on behalf of TEC**

**Vijay Dixit  
Director (CA)  
For Designating Authority  
TEC**

**Certificate No: TEC/MRA/CAB/IND-D/96 dated 02/05/2024 issued to  
M/S Birla Cable Limited (OFC Testing Laboratory), Rewa  
Udhyog Vihar P.O. Chorhata, Rewa, Madhya Pradesh-486006**



**Validity: - 02/05/2024 to 01/05/2027**

### **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 recognized 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 Organizational 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.

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**SCOPE OF DESIGNATION**  
**(ANNEXURE)**

**Laboratory Name:** M/S Birla Cable Limited (OFC Testing Laboratory), Rewa  
Udhyog Vihar P.O. Chorhata, Rewa, Madhya Pradesh- 486 006

**Certificate Number:** TEC/MRA/CAB/IND-D/96

**Page 1 of 9**

**Validity:** 02/05/2024 to 01/05/2027

**Last Amended on:** ----

Sl. No.	Telecom Equipment / Product	Test Parameter or Type of Testing	Standard/ Specification
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1	Optical Fibre Cable-Duct	Transmission Characteristics	Attenuation at 1310 nm IEC 60793-1-40	TEC ER No. TEC 70022401
			Attenuation at 1550 nm IEC 60793-1-40	TEC ER No. TEC 70022401
			Attenuation at 1625 nm IEC 60793-1-40	TEC ER No. TEC 70022401
			PMD Cabled Loose Fibre IEC 60793-1-48	TEC ER No. TEC 70022401
		Mechanical Characteristics	Tensile Strength IEC 60794-1-21	TEC ER No. TEC 70022401
			Crush Resistance IEC 60794-1-21	TEC ER No. TEC 70022401
			Impact IEC 60794-1-21	TEC ER No. TEC 70022401
			Bend Test IEC 60794-1-21	TEC ER No. TEC 70022401
			Repeated Bend Test IEC 60794-1-21	TEC ER No. TEC 70022401
			Torsion Test IEC 60794-1-21	TEC ER No. TEC 70022401
	Environmental Characteristics	Temperature Cycling IEC 60794-1-22	TEC ER No. TEC 70022401	
		Cable Aging test IEC 60794-1-22	TEC ER No. TEC 70022401	
	Optical Fibre Cable-Micro Duct	Transmission Characteristics	Attenuation at 1310 nm IEC 60793-1-40	TEC ER No. TEC 70022401
			Attenuation at 1550 nm IEC 60793-1-40	TEC ER No. TEC 70022401

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**Page 2 of 9**

**Validity:** 02/05/2024 to 01/05/2027

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Sl. No.	Telecom Equipment / Product	Test Parameter or Type of Testing	Standard/ Specification	
	<b>Optical Fibre Cable-Micro Duct</b>	<b>Transmission Characteristics</b>	Attenuation at 1625 nm IEC 60793-1-40	TEC ER No. TEC 70022401
			PMD Cabled Loose Fibre IEC 60793-1-48	TEC ER No. TEC 70022401
		<b>Mechanical Characteristics</b>	Tensile Strength IEC 60794-1-21	TEC ER No. TEC 70022401
			Crush Resistance IEC 60794-1-21	TEC ER No. TEC 70022401
			Impact IEC 60794-1-21	TEC ER No. TEC 70022401
			Bend Test IEC 60794-1-21	TEC ER No. TEC 70022401
			Repeated Bend Test IEC 60794-1-21	TEC ER No. TEC 70022401
			Torsion Test IEC 60794-1-21	TEC ER No. TEC 70022401
		<b>Environmental Characteristics</b>	Temperature Cycling IEC 60794-1-22	TEC ER No. TEC 70022401
			Cable Aging test IEC 60794-1-22	TEC ER No. TEC 70022401
	<b>Optical Fibre Cable-Direct Buried</b>	<b>Transmission Characteristics</b>	Attenuation at 1310 nm IEC 60793-1-40	TEC ER No. TEC 70022401
			Attenuation at 1550 nm IEC 60793-1-40	TEC ER No. TEC 70022401
			Attenuation at 1625 nm IEC 60793-1-40	TEC ER No. TEC 70022401

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**Page 3 of 9**

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Sl. No.	Telecom Equipment / Product	Test Parameter or Type of Testing	Standard/ Specification
	<b>Optical Fibre Cable-Direct Buried</b>	<b>Transmission Characteristics</b>	PMD Cabled Loose Fibre IEC 60793-1-48 TEC ER No. TEC 70022401
		<b>Mechanical Characteristics</b>	Tensile Strength IEC 60794-1-21 TEC ER No. TEC 70022401
			Crush Resistance IEC 60794-1-21 TEC ER No. TEC 70022401
			Impact IEC 60794-1-21 TEC ER No. TEC 70022401
			Bend Test IEC 60794-1-21 TEC ER No. TEC 70022401
			Repeated Bend Test IEC 60794-1-21 TEC ER No. TEC 70022401
			Torsion Test IEC 60794-1-21 TEC ER No. TEC 70022401
		<b>Environmental Characteristics</b>	Temperature Cycling IEC 60794-1-22 TEC ER No. TEC 70022401
			Cable Aging test IEC 60794-1-22 TEC ER No. TEC 70022401
			<b>Optical Fibre Cable-ADSS along Power Line</b>
Attenuation at 1550 nm IEC 60793-1-40 TEC ER No. TEC 70022401			
Attenuation at 1625 nm IEC 60793-1-40 TEC ER No. TEC 70022401			
PMD Cabled Loose Fibre IEC 60793-1-48 TEC ER No. TEC 70022401			

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**Page 4 of 9**

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Sl. No.	Telecom Equipment / Product	Test Parameter or Type of Testing	Standard/ Specification		
	<b>Optical Fibre Cable- ADSS along Power Line</b>	<b>Mechanical Characteristics</b>	Tensile Strength IEC 60794-1-21	TEC ER No. TEC 70022401	
			Crush Resistance IEC 60794-1-21	TEC ER No. TEC 70022401	
			Impact IEC 60794-1-21	TEC ER No. TEC 70022401	
			Bend Test IEC 60794-1-21	TEC ER No. TEC 70022401	
			Repeated Bend Test IEC 60794-1-21	TEC ER No. TEC 70022401	
			Torsion Test IEC 60794-1-21	TEC ER No. TEC 70022401	
		<b>Environmental Characteristics</b>	Temperature Cycling IEC 60794-1-22	TEC ER No. TEC 70022401	
			Cable Aging test IEC 60794-1-22	TEC ER No. TEC 70022401	
		<b>Optical Fibre Cable- ADSS on Aerial alignment</b>	<b>Transmission Characteristics</b>	Attenuation at 1310 nm IEC 60793-1-40	TEC ER No. TEC 70022401
				Attenuation at 1550 nm IEC 60793-1-40	TEC ER No. TEC 70022401
				Attenuation at 1625 nm IEC 60793-1-40	TEC ER No. TEC 70022401
PMD Cabled Loose Fibre IEC 60793-1-48	TEC ER No. TEC 70022401				
<b>Mechanical Characteristics</b>	Tensile Strength IEC 60794-1-21		TEC ER No. TEC 70022401		

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**Page 5 of 9**

**Validity:** 02/05/2024 to 01/05/2027

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Sl. No.	Telecom Equipment / Product	Test Parameter or Type of Testing	Standard/ Specification		
	<b>Optical Fibre Cable- ADSS on Aerial alignment</b>	<b>Mechanical Characteristics</b>	Crush Resistance IEC 60794-1-21	TEC ER No. TEC 70022401	
			Impact IEC 60794-1-21	TEC ER No. TEC 70022401	
			Bend Test IEC 60794-1-21	TEC ER No. TEC 70022401	
			Repeated Bend Test IEC 60794-1-21	TEC ER No. TEC 70022401	
			Torsion Test IEC 60794-1-21	TEC ER No. TEC 70022401	
		<b>Environmental Characteristics</b>	Temperature Cycling IEC 60794-1-22	TEC ER No. TEC 70022401	
			Cable Aging test IEC 60794-1-22	TEC ER No. TEC 70022401	
		<b>Optical Fibre Cable-Indoor</b>	<b>Transmission Characteristics</b>	Attenuation at 1310 nm IEC 60793-1-40	TEC ER No. TEC 70022401
				Attenuation at 1550 nm IEC 60793-1-40	TEC ER No. TEC 70022401
				Attenuation at 1625 nm IEC 60793-1-40	TEC ER No. TEC 70022401
PMD Cabled Loose Fibre IEC 60793-1-48	TEC ER No. TEC 70022401				
<b>Mechanical Characteristics</b>	Tensile Strength IEC 60794-1-21		TEC ER No. TEC 70022401		
	Crush Resistance IEC 60794-1-21		TEC ER No. TEC 70022401		

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**Page 6 of 9**

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Sl. No.	Telecom Equipment / Product	Test Parameter or Type of Testing	Standard/ Specification	
	<b>Optical Fibre Cable- Indoor</b>	<b>Mechanical Characteristics</b>	Impact IEC 60794-1-21	TEC ER No. TEC 70022401
			Bend Test IEC 60794-1-21	TEC ER No. TEC 70022401
			Repeated Bend Test IEC 60794-1-21	TEC ER No. TEC 70022401
			Torsion Test IEC 60794-1-21	TEC ER No. TEC 70022401
		<b>Environmental Characteristics</b>	Temperature Cycling IEC 60794-1-22	TEC ER No. TEC 70022401
			Cable Aging test IEC 60794-1-23	TEC ER No. TEC 70022401
	<b>Optical Fibre Cable- Access Outdoor</b>	<b>Transmission Characteristics</b>	Attenuation at 1310 nm IEC 60793-1-40	TEC ER No. TEC 70022401
			Attenuation at 1550 nm IEC 60793-1-40	TEC ER No. TEC 70022401
			Attenuation at 1625 nm IEC 60793-1-40	TEC ER No. TEC 70022401
			PMD Cabled Loose Fibre IEC 60793-1-48	TEC ER No. TEC 70022401
<b>Mechanical Characteristics</b>		Tensile Strength IEC 60794-1-21	TEC ER No. TEC 70022401	
		Crush Resistance IEC 60794-1-21	TEC ER No. TEC 70022401	
		Impact IEC 60794-1-21	TEC ER No. TEC 70022401	

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**Page 7 of 9**

**Validity: 02/05/2024 to 01/05/2027**

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Sl. No.	Telecom Equipment / Product	Test Parameter or Type of Testing	Standard/ Specification
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<b>Optical Fibre Cable- Access Outdoor</b>	<b>Mechanical Characteristics</b>	Bend Test IEC 60794-1-21	TEC ER No. TEC 70022401
		Repeated Bend Test IEC 60794-1-21	TEC ER No. TEC 70022401
		Torsion Test IEC 60794-1-21	TEC ER No. TEC 70022401
	<b>Environmental Characteristics</b>	Temperature Cycling IEC 60794-1-22	TEC ER No. TEC 70022401
		Cable Aging test IEC 60794-1-22	TEC ER No. TEC 70022401
	<b>Optical Fibre Cable- Indoor- Outdoor</b>	<b>Transmission Characteristics</b>	Attenuation at 1310 nm IEC 60793-1-40
Attenuation at 1550 nm IEC 60793-1-40			TEC ER No. TEC 70022401
Attenuation at 1625 nm IEC 60793-1-40			TEC ER No. TEC 70022401
PMD Cabled Loose Fibre IEC 60793-1-48			TEC ER No. TEC 70022401
<b>Mechanical Characteristics</b>		Tensile Strength IEC 60794-1-21	TEC ER No. TEC 70022401
		Crush Resistance IEC 60794-1-21	TEC ER No. TEC 70022401
		Impact IEC 60794-1-21	TEC ER No. TEC 70022401
		Bend Test IEC 60794-1-21	TEC ER No. TEC 70022401

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**Page 8 of 9**

**Validity:** 02/05/2024 to 01/05/2027

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Sl. No.	Telecom Equipment / Product	Test Parameter or Type of Testing	Standard/ Specification
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<b>Optical Fibre Cable- Indoor- Outdoor</b>	<b>Mechanical Characteristics</b>	Repeated Bend Test IEC 60794-1-21	TEC ER No. TEC 70022401
		Torsion Test IEC 60794-1-21	TEC ER No. TEC 70022401
	<b>Environmental Characteristics</b>	Temperature Cycling IEC 60794-1-22	TEC ER No. TEC 70022401
		Cable Aging test IEC 60794-1-22	TEC ER No. TEC 70022401
<b>Optical Fibre Cable-Direct Surface Application (DSA)</b>	<b>Transmission Characteristics</b>	Attenuation at 1310 nm IEC 60793-1-40	TEC ER No. TEC 70022401
		Attenuation at 1550 nm IEC 60793-1-40	TEC ER No. TEC 70022401
		Attenuation at 1625 nm IEC 60793-1-40	TEC ER No. TEC 70022401
		PMD Cabled Loose Fibre IEC 60793-1-48	TEC ER No. TEC 70022401
	<b>Mechanical Characteristics</b>	Tensile Strength IEC 60794-1-21	TEC ER No. TEC 70022401
		Crush Resistance IEC 60794-1-21	TEC ER No. TEC 70022401
		Impact IEC 60794-1-21	TEC ER No. TEC 70022401
		Bend Test IEC 60794-1-21	TEC ER No. TEC 70022401
	Repeated Bend Test IEC 60794-1-21	TEC ER No. TEC 70022401	
	Torsion Test IEC 60794-1-21	TEC ER No. TEC 70022401	

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**Page 9 of 9**

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Sl. No.	Telecom Equipment / Product	Test Parameter or Type of Testing	Standard/ Specification
	<b>Optical Fibre Cable-Direct Surface Application (DSA)</b>	<b>Environmental Characteristics</b>	Temperature Cycling IEC 60794-1-22
			Cable Aging test IEC 60794-1-22
			TEC ER No. TEC 70022401
			TEC ER No. TEC 70022401

**AD (CA), TEC**

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