



**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

Electrical & Electronics Laboratory National Test House (ER), Kolkata

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

11/1 Judges Court Road, Alipore Kolkata -700 027

In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/84

Issue Date: 23/11/2022

Validity: 23/11/2022 to 22/11/2025

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

**Nitin Jain
Deputy Director General (CA)
For Designating Authority
TEC**

Certificate No: TEC/MRA/CAB/IND-D/84 dated 23/11/2022 issued to
Electrical & Electronics Laboratory,
National Test House (ER), Kolkata
11/1 Judges Court Road, Alipore Kolkata -700 027



Validity: - 23/11/2022 to 22/11/2025

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.

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: Electrical & Electronics Laboratory National Test House (ER), Kolkata
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Validity: 23/11/2022 to 22/11/2025

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
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1.	Information Technology Equipment-Safety Requirement	Power Interface-Input Current Clause 1.6.2	IS: 13252: Part-1 : 2010
		Marking and Instructions Clause 1.7	IS: 13252: Part-1 : 2010
		Durability Clause 1.7.11	IS: 13252: Part-1 : 2010
		Access to Energized Parts Clause 2.1.1.1, 2.8.2, 2.8.3, 4.2	IS: 13252: Part-1 : 2010
		Access to ELV Wiring Clause 2.1.1.3	IS: 13252: Part-1 : 2010
		Energy Hazards Clause 2.1.1.5, 2.1.2	IS: 13252: Part-1 : 2010
		Manual Controls Clause 2.1.1.6	IS: 13252: Part-1 : 2010
		Energy Hazard D.C. Main Supply Clause 2.2.1.8	IS: 13252: Part-1 : 2010
		SELV Circuits Clause 2.2.3 & 2.2.4	IS: 13252: Part-1 : 2010
		TNV Circuits Limits Clause 2.3.1	IS: 13252: Part-1 : 2010


AD (CA), TEC

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
	Information Technology Equipment-Safety Requirement	Separation of TNV Circuits from other Circuits from Circuits and from Accessible Parts Clause 2.3.2	IS: 13252: Part-1 : 2010
		Separation from Hazardous Voltages Clause 2.3.3	IS: 13252: Part-1 : 2010
		Connection of TNV Circuits to other Circuits Clause 2.3.4	IS: 13252: Part-1 : 2010
		Limited Current Circuits Clause 2.4	IS: 13252: Part-1 : 2010
		Limited Power Source Clause 2.5	IS: 13252: Part-1 : 2010
		Protective Earthing Conductor and Protective Bonding Conductors Clause 2.6	IS: 13252: Part-1 : 2010
		Over Currents and Earth Fault Protection in Primary Circuits Clause 2.7	IS: 13252: Part-1 : 2010



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
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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
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Information Technology Equipment-Safety Requirement	Protection Requirements for Safety Interlocks Clause 2.8	IS: 13252: Part-1 : 2010
	Humidity Condition Clause 2.9.2	IS: 13252: Part-1 : 2010
	Determination of Working Voltage Clause 2.10.2	IS: 13252: Part-1 : 2010
	Clearance Clause 2.10.3.9(a)	IS: 13252: Part-1 : 2010
	Creepage Distance Clause 2.10.4	IS: 13252: Part-1 : 2010
	Solid Insulation Clause 2.10.5	IS: 13252: Part-1 : 2010
	Wiring Connections and Supply Clause 3	IS: 13252: Part-1 : 2010
	Steady Force Test Clause 4.2.1, 4.2.2, 4.2.3, 4.2.4	IS: 13252: Part-1 : 2010
	Impact Test Apparatus Clause 4.2.5	IS: 13252: Part-1 : 2010
	Drop Test Clause 4.2.6	IS: 13252: Part-1 : 2010


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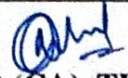
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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
	Information Technology Equipment-Safety Requirement	Strength Stress Relief test Clause 4.2.7	IS: 13252: Part-1 : 2010
		Wall or Ceiling Mounted Equipment Clause 4.2.10	IS: 13252: Part-1 : 2010
		Edges and Corners Clause 4.3.1	IS: 13252: Part-1 : 2010
		Handles & Manual Controls Clause 4.3.2	IS: 13252: Part-1 : 2010
		Adjustable Control Clause 4.3.3	IS: 13252: Part-1 : 2010
		Securing of Parts Clause 4.3.4	IS: 13252: Part-1 : 2010
		Connection of Plugs and Sockets Clause 4.3.5	IS: 13252: Part-1 : 2010
		Direct Plug in Equipment Clause 4.3.6	IS: 13252: Part-1 : 2010
		Heating Equipment's in Earth Equipment's Clause 4.3.7	IS: 13252: Part-1 : 2010
		Batteries Clause 4.3.8	IS: 13252: Part-1 : 2010


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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment-Safety Requirement	Oil & Grease Clause 4.3.9	IS: 13252: Part-1 : 2010
		Dust Powder, Liquid & Gases Clause 4.3.10	IS: 13252: Part-1 : 2010
		Containers for Liquid or Gas Clause 4.3.11	IS: 13252: Part-1 : 2010
		Flammable Liquid Clause 4.3.12	IS: 13252: Part-1 : 2010
		Protected in Operator Access Area Clause 4.4.2	IS: 13252: Part-1 : 2010
		Protected in Restricted Access Location Clause 4.4.3	IS: 13252: Part-1 : 2010
		Protected in Service Access Location Clause 4.4.4	IS: 13252: Part-1 : 2010
		Temperature Test Clause 4.5.2	IS: 13252: Part-1 : 2010
		Temperature Limits for Materials Clause 4.5.3	IS: 13252: Part-1 : 2010
		Touch Temperature Limits Clause 4.5.4	IS: 13252: Part-1 : 2010


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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
	Information Technology Equipment-Safety Requirement	Resistance to Abnormal Heat Clause 4.5.5	IS: 13252: Part-1 : 2010
		Top, Bottom and Side Opening Clause 4.6.1, 4.6.2, 4.6.3, 4.6.4, 4.6.4.1, 4.6.4.2 & 4.6.4.3	IS: 13252: Part-1 : 2010
		Adhesive for Constructional Purposes Clause 4.6.5	IS: 13252: Part-1 : 2010
		Reducing the Risk of ignition and Spared of Flame Clause 4.7.1	IS: 13252: Part-1 : 2010
		Materials for Fire Enclosures Flammability Test Apparatus Clause 4.7.3.2, 4.7.3.3, 4.7.3.4, 4.7.3.5, 4.7.3.6	IS: 13252: Part-1 : 2010
		Electrical Strength Clause 5.2	IS: 13252: Part-1 : 2010
		Protection against Overload and Abnormal Operation Clause 5.3.1	IS: 13252: Part-1 : 2010



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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
	Information Technology Equipment-Safety Requirement	Protection from Telecommunication Network and User to Network Protection from Hazardous Voltages Clause 6.1.1, 6.1.2	IS: 13252: Part-1 : 2010
		Protection of Equipment's User from Overvoltage on Telecommunication Network Clause 6.2.1	IS: 13252: Part-1 : 2010
		Electrical Strength Clause 6.2.2	IS: 13252: Part-1 : 2010
		Protection of the Telecommunication Wiring System from Over Heating Clause 6.3	IS: 13252: Part-1 : 2010
		Protection of Cable Distribution System Service Person and User of Other Equipment Connected to the System from Hazardous Voltage in the Equipment Clause 7.2	IS: 13252: Part-1 : 2010



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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
2.	Environmental Testing of Telecom Equipment	Cold Test	QM 333, March 2010
		Damp Heat Test	QM 333, March 2010
		Dry Heat Test	QM 333, March 2010



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