



GOVERNMENT OF INDIA  
TELECOMMUNICATION ENGINEERING CENTRE  
(Department of Telecommunications)  
Gate No. 5, KhurshidLalBhawan, Janpath, New Delhi-110001

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## CERTIFICATE OF DESIGNATION

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Certificate No. TEC/MRA/CAB/IND-D/62

Dated: 20.04.2020

This is to certify that **M/s Electrical Research and Development Association, Vadodara** has qualified the criteria for designation as CONFORMITY ASSESSMENT BODY (CAB), as described below, to carry out product testing activities specified in the Annexure-I subject to the terms and conditions specified in Annexure-II.

### CAB DESCRIPTION

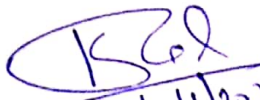
Name of CAB : **M/s Electrical Research and Development Association, Vadodara.**

Address of CAB : ERDA Road, GIDC, Makapura Industrial Estate Vadodara-390010.

CAB Identification : IND062

Date of Issue : 20.04.2020

Date of Expiry : 3 Years from date of issue of this certificate or till the continued validity of Certificate issued by NABL, whichever is earlier.

  
20/04/2020

Kamal Bhagat  
Deputy Director General (MRA)  
For Designating Authority  
TEC



**Annexure-I** Certificate No: TEC/MRA/CAB/IND-D/62 dated 20.04.2020 issued to  
**M/s Electrical Research and Development Association, Vadodra.**

Sl. No.	1	2	3	4
	Telecom Equipment/Product	Type of Testing	Technical Regulation	Date of Designation
1.	EMI/EMC Testing for Telecom Equipment	All types of testing covered in Technical regulations mentioned in column 3 only for following tests:  1 Electrostatic discharge immunity test (IEC 61000-4-2:2008) 2 Radiated radio-frequency electromagnetic field immunity test (IEC 61000-4-3 :2010) 3 Electrical fast transient/burst immunity test (IEC 61000-4-4: 2012) 4 Surge immunity test (IEC 61000-4-5: 2017) 5 Immunity to conducted disturbances, induced by radio-frequency fields (IEC 61000-4-6:2013) 6 Voltage dips, short interruption and voltage variations immunity tests (IEC 61000-4-11:2017) 7 Radiated Emission test (CISPR 32:2015) 8 Conducted Emission test (CISPR 32:2015) 9 Radiated Emission test (CISPR 11:2016) 10 Conducted Emission test (CISPR 11:2016)	TEC/SD/DD/EMC-221/05/OCT-16	20/04/2020

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2.	Environmental Testing of Telecom Equipment	<p>All types of testing covered in Technical regulations mentioned in column 3 only for following tests:</p> <ol style="list-style-type: none"> <li>1 Cold storage test</li> <li>2 Dry heat test</li> <li>3 Damp Heat steady state</li> <li>4 Damp Heat cyclic test</li> <li>5 Vibration</li> </ol>	QM-333, Issue March 2010	20/04/2020
3.	Information Technology Equipment- Safety Requirements	<p>All types of testing covered in Technical regulations mentioned in column 3 only for following tests:</p> <ol style="list-style-type: none"> <li>1 Power Interface (Clause 1.6)</li> <li>2 Verification of Marking (Clause 1.7)</li> <li>3 Access to energized parts (Clause 2.1.1.1)</li> <li>4 Access to hazardous voltage wiring (Clause 2.1.1.4)</li> <li>5 Energy hazards (Clause 2.1.1.5)</li> <li>6 Discharge of capacitors in equipments (Clause 2.1.1.7)</li> <li>7 Energy hazards-d.c. mains supplies (Clause 2.1.1.8)</li> <li>8 SELV Circuits (Clause 2.2)</li> <li>9 Limited Power sources (Clause 2.5)</li> <li>10 Provisions for earthing and bonding (Clause 2.6)</li> <li>11 Short circuit backup protection (Clause 2.7.3)</li> <li>12 Number and location of protective devices (Clause 2.7.4)</li> </ol>	IEC 60950-1:2005 A1:2009, A2:2013	20/04/2020

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		<p>13 Safety Interlocks (Clause 2.8)</p> <p>14 Solid insulation (Clause 2.10.5)</p> <p>15 Construction of printed boards (Clause 2.10.6)</p> <p>16 Test for pollution degree 1 and environment and for insulating compound (Clause 2.10.10)</p> <p>17 Appliance inlets (Clause 3.2.4)</p> <p>18 Cord anchorage &amp; strain relief (Clause 3.2.6)</p> <p>19 Mechanical strength (Clause 4.2.2, 4.2.3, 4.2.4, 4.2.5, 4.2.6)</p> <p>20 Temperature tests (Clause 4.5.2, 4.5.3, 4.5.5)</p> <p>21 Resistance to fire (Clause 4.7)</p> <p>22 Touch current and protective conductor current (Clause 5.1)</p> <p>23 Electric strength (clause 5.2)</p> <p>24 Abnormal operating and fault conditions (Clause 5.3)</p> <p>25 Protection of equipment users from over voltages on telecommunication networks (Clause 6.2)</p> <p>26 Separation of the telecommunication network from earth (Clause 6.1.2)</p>		
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**Annexure-II** Certificate No: TEC/MRA/CAB/IND-D/62 dated 20.04.2020 issued to  
**M/s Electrical Research and Development Association, Vadodara.**

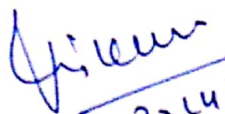
**Terms & Conditions**

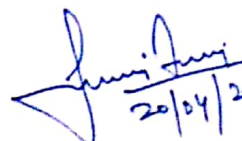
This certificate is issued as per the terms and conditions stipulated in the TEC SCHEME FOR DESIGNATING DOMESTIC CONFORMITY ASSESEMENT BODIES AND CERTIFICATION BODIES FOR CONFORMITY ASSESEMENT AND CERTIFICATION OF TELECOMMUNICATION EQUIPMENT ISSUE 2 NO. TEC/DES-01/02.DEC.2017.

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 other 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.
9. It shall notify the DA in writing of occurrence of any of the following incident(s) within 2 weeks of it occurrence

  
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- 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

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

## **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**

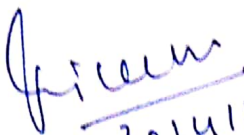
As and when required, DA shall conduct surveillance assessments and other non-routine assessments on the Designated CABs to ensure that standards of practices are maintained as well as to investigate complaints made against them.

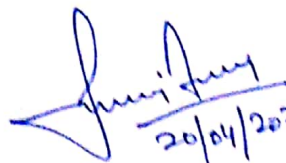
## **D. SUSPENSION OR WITHDRAWAL OF DESIGNATION**

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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