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

CERTIFICATE OF DESIGNATION

Certificate No. TEC/MRA/CAB/IND-D/41

Dated: 07.03.2019

This is to certify that **M/s Institute for Design of Electrical Measuring Instruments, Mumbai** 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

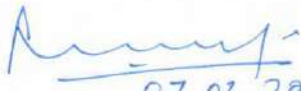
Name of CAB : **M/s Institute for Design of Electrical Measuring Instruments, Mumbai.**

Address of CAB : Eastern Express Highway, Chunabhatti, Sion, Mumbai-400022, Maharashtra.

CAB Identification : IND041

Date of Issue : 07.03.2019

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.


07.03.2019.

D. K. Khanna
Deputy Director General (MRA)
For Designating Authority
TEC



Annexure-I Certificate No: TEC/MRA/CAB/IND-D/41 dated 07.03.2019 issued to
M/s Institute for Design of Electrical Measuring Instruments, Mumbai.

Sl. No.	1	2	3	4
	Telecom Equipment/Product	Type of Testing	Technical Regulation	Date of Designation
1.	Information Technology Equipment- Safety Requirement	All types of testing covered in Technical regulations mentioned in column 3 only for following tests: 1 Double or Reinforced Insulation Bridged by Components (Clause 1.5.7.3, 2.4.2) 2 Power Input Test (Clause 1.6.2) 3 Durability of Marking Test (Clause 1.7.13, 1.7.11) 4 Access to Energized parts test (Clause 2.1.1.1, 2.8.2, 2.8.3) 5 Energy Hazard Measurements (Clause 2.1.1.5, 2.1.2, 1.2.8.9) 6 Capacitance Discharge Test (Clause 2.1.1.7) 7 SELV reliability test (Clause 2.2.2, 2.2.3, 2.2.4) 8 TNV Circuits (Clause 2.3 *) 9 Limited Current Circuit measurements (Clause 2.4.1, 2.4.2) 10 Limited power source measurements (Clause 2.5) 11 Earthing Test (Clause 2.6.3.4, 2.6.1) 12 Humidity test (Clause 2.9.1, 2.9.2, 5.2.2) 13 Switches & Relays (Clause 2.8.7) 14 Determination of working voltage/ Clearance & Creepage measurement (Clause 2.10.2, 2.10.3, 2.10.4) 15 Clearance (Clause 2.10.3 *)	IEC 60950-1:2005 + A1:2009 + A2:2013	07/03/2019

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		<p>16 Transformer/ Insulation Electric Strength Test (Clause 2.10.5.2)</p> <p>17 Components External Termination, Test on Coated Printed Boards & Coated Components (Clause 2.10.7, 2.10.8 *)</p> <p>18 Strain relief test (Clause 3.2.6, 4.2.1, 4.2.7)</p> <p>19 Cord guard test (Clause 3.2.8)</p> <p>20 Field wiring test (Stranded wire) (Clause 3.3.8, 3.2.9)</p> <p>21 Stability tests (Clause 4.1)</p> <p>22 Steady force tests (Clause 4.2.1, 4.2.4 *)</p> <p>23 Impact test (Clause 4.2.5 *)</p> <p>24 Drop test (Clause 4.2.6, 4.2.1)</p> <p>25 Stress relief test (Clause 4.2.7, 4.2.1)</p> <p>26 Wall or ceiling mounted equipment (Clause 4.2.10)</p> <p>27 Sharp edge test (Clause 4.3.1)</p> <p>28 Knobs/ Handles pull loading test (Clause 4.3.2)</p> <p>29 Connections by plugs and sockets (Clause 4.3.5 *)</p> <p>30 Spillage test (Clause 4.3.10, 5.2)</p> <p>31 Protection against hazardous moving parts test (Clause 4.4)</p> <p>32 Heating test (Thermal Requirement) (Clause 4.5, 4.5.1, 1.4.12, 1.4.13)</p> <p>33 Openings in enclosure (Clause 4.6)</p> <p>34 Touch current test (Clause 5.1)</p> <p>35 Electric Strength Test (Clause 5.2, 6.2.2)</p> <p>36 Component failure test (Clause 5.3.1, 5.3.4, 5.3.6)</p> <p>37 Abnormal operation tests & Single Fault Conditions (Clause 5.3.1, 5.3.8)</p> <p>38 Transformer abnormal operation test (Clause 5.3.3)</p>		
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		39 Transformer abnormal overload operation test (Annexure C.1) 40 Protection of equipment users from over voltages on telecom network (Clause 6.2)		
2.	EMI/ EMC Testing of Telecommunication equipment	All types of testing covered in Technical regulations mentioned in column 3 only for following tests: 1 Electrostatic Discharge (ESD) IEC 61000-4-2 2 Electrical Fast Transient (EFT) IEC 61000-4-4 3 RF Conducted Immunity IEC 61000-4-6 4 Voltage dips and short interruptions IEC 61000-4-11 5 DC voltage dips, short interruption and voltage variation test IEC 61000-4-29:2000 (As part of the requirement stated in TEC's Essential Requirements, where applicable)	TEC/SD/DD/ EMC-221/05/OCT-16	07/03/2019
3.	Safety Requirements for electrical equipment for measurement, control and laboratory use	All types of testing covered in Technical regulations mentioned in column 3 only for following tests: 1 Power Input (Clause 5.1.3 (c)) 2 Testing in Single Fault Condition (Clause 4.4) 3 Marking and documentation (Clause 5) 4 Protection against electric shock (Clause 6) 5 Protection against mechanical hazard (Clause 7) 6 Resistance to mechanical stresses (Clause 8) 7 Protection against spread of fire (Clause 9) 8 Equipment temperature limits and resistance to heat (Clause 10)	IEC 61010-1	07/03/2019

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		<p>9 Protection against hazard from fluid (Clause 11)</p> <p>10 Protection against radiation, including laser sources, and against sonic and ultrasonic pressure (Sound Level Only) (Clause 12 .5.1)</p> <p>11 Protection against liberated gases and substances, explosion and implosion (Clause 13)</p> <p>12 Components and subassemblies (Clause 14)</p> <p>13 Protection by interlock (Clause 15)</p> <p>14 Hazards resulting from application (Clause 16)</p>		
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* Note: - Certificate is issued on provisional basis for period of six month as per amendment issued dated 18/06/2018 for CAB designation scheme of TEC (Issue 2 No. TEC/DES-01/02. Dec. 2017).

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Annexure-II Certificate No: TEC/MRA/CAB/IND-D/41 dated 07.03.2019 issued to
M/s Institute for Design of Electrical Measuring Instruments, Mumbai.

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 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 incidence within 2 weeks of its 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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