



**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 REACT LABORATORIES, BENGALURU
has been assessed and designated as Conformity Assessment Body (CAB)
for its facilities at

3411, 3rd Floor, Service Road, Vijayanagar, Bengaluru-560 040

In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/14

Issue Date: 23/03/2021

Valid Until: 22/03/2024

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

**Prasanth Kumar
Deputy Director General (MRA)
For Designating Authority
TEC**

Certificate No: TEC/MRA/CAB/IND-D/14 dated 23/03/2021 issued to
M/s REACT LABORATORIES, BENGALURU
3411, 3rd Floor, Service Road, Vijayanagar, Bengaluru-560 040

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 out 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

 Page 1 of 2

9. It shall notify the DA in writing of occurrence of any of the following incident(s) within two 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 of 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 REACT LABORATORIES, BENGALURU
3411, 3rd Floor, Service Road, Vijayanagar, Bengaluru-560 040.

Certificate Number: TEC/MRA/CAB/IND-D/14


Page 1 of 6

Validity: 23/03/2021 to 22/03/2024

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
1.	Information Technology Equipment- Safety Requirements	Input Current Voltage, Neutral conductor Clause- 1.6.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Durability of Markings Clause- 1.7.11	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Access to energized parts Clause- 2.1.1.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Access to ELV Wiring Clause- 2.1.1.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Energy Hazard Measurement Test Clause- 2.1.1.5, 2.1.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Discharge of Capacitors in Equipment Clause- 2.1.1.7	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		SELV Circuits Measurement Test Clause- 2.2.2, 2.2.3 & 2.3.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		TNV Circuits Limits Measurement Test Clause- 2.3.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Separation of TNV circuits from other circuits and accessible parts Clause 2.3.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013


Director (MRA), TEC


AD (MRA), TEC

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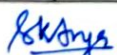
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Page 2 of 6


Validity: 23/03/2021 to 22/03/2024

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirements	Connection of TNV circuits to other circuits Clause- 2.3.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Connection of TNV circuits to other circuits Clause 2.3.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Test for Operating Voltages Generated Externally Clause- 2.3.5	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Limited Current Circuits Measurement Test Clause- 2.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Limited Power Sources Measurement Test Clause- 2.5	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protective Earthing Conductors and Protective Bonding Conductors Clause- 2.6.3.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protection Requirements for Safety Interlocks Clause- 2.8.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013



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Page 3 of 6

Validity: 23/03/2021 to 22/03/2024

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirements	Inadvertent reactivation Clause- 2.8.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Humidity Conditioning Clause- 2.9.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Determination of Working Voltage Clause- 2.10.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Clearances Clause- 2.10.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Measurement of Transient Voltages (Transients from Mains Supply) Clause- 2.10.3.9	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Creepage Distances Clause- 2.10.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Wiring, Connections and Supplies: Cord Anchorage and Dimension Measurement Clause- 3.0	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Stability Clause 4.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013


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Page 4 of 6

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirements	Steady Force Test Clause- 4.2.1, 4.2.2, 4.2.3 & 4.2.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Impact Test Clause- 4.2.5	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Drop test Clause- 4.2.6	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Stress Relief test Clause- 4.2.7	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Force Test for wall or ceiling mounted equipment Clause- 4.2.10	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Inspection of edges and corners Clause- 4.3.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Force test for handles and manual control Clause- 4.3.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Inspection of adjustable controls Clause- 4.3.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013


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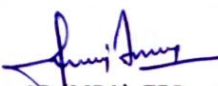
Page 5 of 6

Validity: 23/03/2021 to 22/03/2024

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirements	Creepage and clearance measurement for securing of parts Clause- 4.3.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Plugs and Sockets Clause- 4.3.5	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Torque Test for Direct Plug-in equipment Clause- 4.3.6	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Heating elements in earthed equipment Clause- 4.3.7	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Data evaluation for batteries Clause- 4.3.8	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Data evaluation for oil and grease Clause- 4.3.9	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protection against hazardous moving parts Clause- 4.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Thermal Requirements Clause- 4.5.1, 4.5.2, 4.5.3 & 4.5.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013


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Page 6 of 6

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirements	Resistance to abnormal heat Clause- 4.5.5	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Openings in enclosures Clause- 4.6	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Touch Current and Protective Conductor Current Clause- 5.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Electric Strength Clause- 5.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Abnormal operating and fault condition Clause- 5.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protection from hazardous voltages Clause- 6.1.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Separation telecommunication network from earth Clause 6.1.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protection of equipment users from over voltages on telecommunication networks Clause 6.2.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013



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