



**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 EMTAC LABORATORIES PRIVATE LIMITED, HYDERABAD
has been assessed and designated as Conformity Assessment Body (CAB)
for its facilities at

**Plot No. 11/6, Road No. 9, IDA Nacharam, Rangareddy,
Keesara, Hyderabad-500076, Telangana**

In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/35

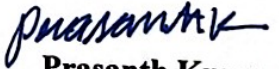
Issue Date: 29/11/2021

Validity: 29/11/2021 to 28/11/2024

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/35 dated 29/11/2021 issued to
M/s EMTAC Laboratories Private Limited, Hyderabad

Plot No. 11/6, Road No. 9, IDA Nacharam, Rangareddy, Keesara,
Hyderabad-500076, Telangana.

Validity:-29/11/2021 to 28/11/2024

Terms & Conditions

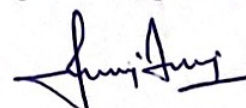
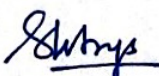
This certificate is issued as per the terms and conditions stipulated in the TEC Scheme for Designating Domestic Conformity Assessment Bodies and Certification Bodies for Conformity Assessment and Certification of Telecommunication Equipment Issue 2 No. TEC/DES-01/02.DEC.2017.

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

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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

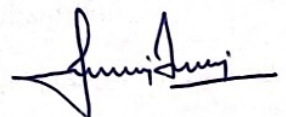
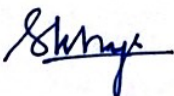
As and when required, DA shall conduct surveillance assessments and other non-routine assessments of the Designated CABs to ensure that Standards of practices are maintained as well as to investigate complaints made against them.

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 EMTAC Laboratories Private Limited, Hyderabad
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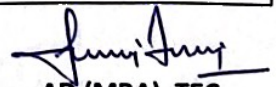
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Validity: 29/11/2021 to 28/11/2024

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
1.	Information Technology Equipment –Safety Requirement	Power Interface Clause- 1.6	IEC 60950-1:2005 + A1:2009 + A2:2013
		Verification of Marking and Instructions Clause- 1.7	IEC 60950-1:2005 + A1:2009 + A2:2013
		Durability of Marking 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
		Access to Hazardous Voltage Circuit wiring Clause- 2.1.1.4	IEC 60950-1:2005 + A1:2009 + A2:2013
		Energy Hazards Clause-2.1.1.5	IEC 60950-1:2005 + A1:2009 + A2:2013
		Manual Controls Clause-2.1.1.6	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
		Energy hazards (D.C. main supplies) Clause-2.1.1.8	IEC 60950-1:2005 + A1:2009 + A2:2013


Director (MRA), TEC


AD (MRA), TEC

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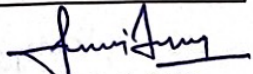
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Validity: 29/11/2021 to 28/11/2024

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment –Safety Requirement	Protection in service access area Clause- 2.1.2	IEC 60950-1:2005 + A1:2009 + A2:2013
		Protection in restricted access locations Clause- 2.1.3	IEC 60950-1:2005 + A1:2009 + A2:2013
		SELV circuits Clause- 2.2	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 Circuit Clause- 2.4	IEC 60950-1:2005 + A1:2009 + A2:2013
		Limited Power Sources Clause-2.5	IEC 60950-1:2005 + A1:2009 + A2:2013
		Size of Protective Earthing Conductors Clause- 2.6.3.2	IEC 60950-1:2005 + A1:2009 + A2:2013
		Size of Protective bonding conductors Clause- 2.6.3.3	IEC 60950-1:2005 + A1:2009 + A2:2013


Director (MRA), TEC


AD (MRA), TEC

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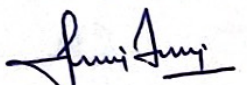
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Validity: 29/11/2021 to 28/11/2024

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment –Safety Requirement	Resistance of Earthing Conductors and their terminations Clause- 2.6.3.4	IEC 60950-1:2005 + A1:2009 + A2:2013
		Terminals Clause- 2.6.4.2	IEC 60950-1:2005 + A1:2009 + A2:2013
		Over Current and Earth Fault Protection in Primary Circuits Clause- 2.7	IEC 60950-1:2005 + A1:2009 + A2:2013
		Safety interlocks Clause- 2.8.1	IEC 60950-1:2005 + A1:2009 + A2:2013
		Properties of Insulating material Clause- 2.9.1	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 & Creepage Distances Clause- 2.10.3.1	IEC 60950-1:2005 + A1:2009 + A2:2013
		Mains Transient voltages Clause- 2.10.3.2	IEC 60950-1:2005 + A1:2009 + A2:2013
		Clearance in primary circuit Clause- 2.10.3.3	IEC 60950-1:2005 + A1:2009 + A2:2013


Director (MRA), TEC


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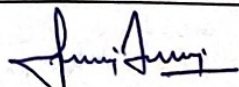
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Validity: 29/11/2021 to 28/11/2024

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment –Safety Requirement	Clearances in Secondary Circuit Clause- 2.10.3.4	IEC 60950-1:2005 + A1:2009 + A2:2013
		Clearances in Circuits having Starting Pulses Clause- 2.10.3.5	IEC 60950-1:2005 + A1:2009 + A2:2013
		Transient from ac mains supply Clause- 2.10.3.6	IEC 60950-1:2005 + A1:2009 + A2:2013
		Transient from dc mains supply Clause- 2.10.3.7	IEC 60950-1:2005 + A1:2009 + A2:2013
		Transient from Telecommunication Networks and Cable distribution system Clause- 2.10.3.8	IEC 60950-1:2005 + A1:2009 + A2:2013
		Measurement of transients Clause- 2.10.3.9 a	IEC 60950-1:2005 + A1:2009 + A2:2013
		Minimum Creepage distances Clause- 2.10.4	IEC 60950-1:2005 + A1:2009 + A2:2013
		Solid insulation Clause- 2.10.5	IEC 60950-1:2005 + A1:2009 + A2:2013
		Wiring, Connections and Supply Clause- 3.0	IEC 60950-1:2005 + A1:2009 + A2:2013
		Screws for electrical Contact Pressure Clause- 3.1.6	IEC 60950-1:2005 + A1:2009 + A2:2013


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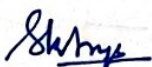
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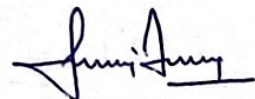
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Validity: 29/11/2021 to 28/11/2024

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment –Safety Requirement	Insulating Materials in Electrical Connections Clause- 3.1.7	IEC 60950-1:2005 + A1:2009 + A2:2013
		Termination of conductors Clause- 3.1.9	IEC 60950-1:2005 + A1:2009 + A2:2013
		Multiple supply connection Clause- 3.2.2	IEC 60950-1:2005 + A1:2009 + A2:2013
		Permanently Connected Equipment Clause- 3.2.3	IEC 60950-1:2005 + A1:2009 + A2:2013
		Appliance inlet Clause- 3.2.4	IEC 60950-1:2005 + A1:2009 + A2:2013
		Power Supply Cords Clause- 3.2.5	IEC 60950-1:2005 + A1:2009 + A2:2013
		Cord anchorage and Strain relief Clause- 3.2.6	IEC 60950-1:2005 + A1:2009 + A2:2013
		Mechanical Strength Clause- 4.2.1	IEC 60950-1:2005 + A1:2009 + A2:2013
		Steady Force Test, 10 N Clause- 4.2.2	IEC 60950-1:2005 + A1:2009 + A2:2013
		Steady Force Test, 30 N Clause- 4.2.3	IEC 60950-1:2005 + A1:2009 + A2:2013


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AD (MRA), TEC

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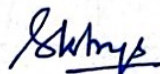
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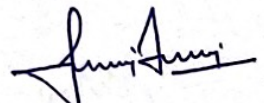
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Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment –Safety Requirement	Steady Force Test, 250 N Clause- 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
		Wall or Ceiling Mounted Equipments Clause- 4.2.10	IEC 60950-1:2005 + A1:2009 + A2:2013
		Edge and Corners Clause- 4.3.1	IEC 60950-1:2005 + A1:2009 + A2:2013
		Handles and Manual Controls Clause- 4.3.2	IEC 60950-1:2005 + A1:2009 + A2:2013
		Adjustable Controls Clause- 4.3.3	IEC 60950-1:2005 + A1:2009 + A2:2013
		Securing of Parts Clause- 4.3.4	IEC 60950-1:2005 + A1:2009 + A2:2013
		Connection by Plugs and Sockets Clause- 4.3.5	IEC 60950-1:2005 + A1:2009 + A2:2013


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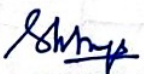
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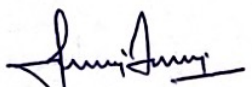
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Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment –Safety Requirement	Direct plug in equipment Clause- 4.3.6	IEC 60950-1:2005 + A1:2009 + A2:2013
		Heating Element in Earthed Equipment Clause- 4.3.7	IEC 60950-1:2005 + A1:2009 + A2:2013
		Batteries Clause- 4.3.8	IEC 60950-1:2005 + A1:2009 + A2:2013
		Protection against Hazardous Moving Parts Clause- 4.4	IEC 60950-1:2005 + A1:2009 + A2:2013
		Temperature Tests Clause- 4.5.2	IEC 60950-1:2005 + A1:2009 + A2:2013
		Resistance to Abnormal Heat Clause- 4.5.5	IEC 60950-1:2005 + A1:2009 + A2:2013
		Top and side Openings Clause- 4.6.1	IEC 60950-1:2005 + A1:2009 + A2:2013
		Opening in Transportable Equipment Clause- 4.6.4	IEC 60950-1:2005 + A1:2009 + A2:2013
		Adhesives for Constructional Purposes Clause- 4.6.5	IEC 60950-1:2005 + A1:2009 + A2:2013


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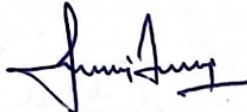
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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment –Safety Requirement	Resistance to Fire Clause- 4.7	IEC 60950-1:2005 + A1:2009 + A2:2013
		Touch Current and Protective Conductor 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 Conditions Clause- 5.3	IEC 60950-1:2005 + A1:2009 + A2:2013
		Connections to Telecommunication Network Clause- 6.1	IEC 60950-1:2005 + A1:2009 + A2:2013


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