



**GOVERNMENT OF INDIA
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF TELECOMMUNICATIONS
TELECOMMUNICATION ENGINEERING CENTRE
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi - 110 001**

CERTIFICATE OF DESIGNATION

M/s TUV India Private Limited, Pune
has been assessed and designated as Conformity Assessment Body (CAB)
for its facilities at

**Anjani Palladium, 203 & 204, Second Floor and Mezzanine Floor,
104B, Survey No. 126/1, Baner Main Road, Baner, Pune-411 045, Maharashtra**

In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/51


Issue Date: 04/07/2022

Valid Until: 02/07/2025

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


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

Certificate No: TEC/MRA/CAB/IND-D/51 dated 04/07/2022 issued to
M/s TUV India Private Limited, Pune
Anjani Palladium, 203 & 204, 2nd floor and Mezzanine Floor,
104B, Survey No. 126/1, Baner Main Road, Baner, Pune-411 045, Maharashtra
Validity: - 03/07/2022 to 02/07/2025



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.

*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

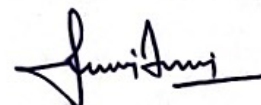
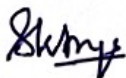
As and when required, DA shall conduct surveillance assessments and other non-routine assessments on the Designated CABs to ensure that standards of practices are maintained as well as to investigate complaints made against them.

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.



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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s TUV India Private Limited, Pune
Anjani Palladium, 203 & 204, Second Floor and Mezzanine Floor,
104B, Survey No. 126/1, Baner Main Road,
Baner, Pune-411 045, Maharashtra

Certificate Number: TEC/MRA/CAB/IND-D/51

Page 1 of 8

Validity: 03/07/2022 to 02/07/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
1.	Information Technology Equipment- Safety Requirements	Power Interface Clause- 1.6	IEC 60950-1: 2005+ A1: 2009+A2:2013
		Marking and Instructions Clause- 1.7	IEC 60950-1: 2005+ A1: 2009+A2:2013
		Protection from Electric Shock and Energy Hazards Clause- 2.1	IEC 60950-1: 2005+ A1: 2009+A2:2013
		Discharge of Capacitor in Equipment Clause- 2.1.1.7	IEC 60950-1: 2005+ A1: 2009+A2:2013
		SELV Circuits Clause- 2.2	IEC 60950-1: 2005+ A1: 2009+A2:2013
		Limited Current Circuit Measurements Clause- 2.4	IEC 60950-1: 2005+ A1: 2009+A2:2013
		Limited Power Sources Measurements Clause- 2.5	IEC 60950-1: 2005+ A1: 2009+A2:2013
		Provision of Earthing and Bonding Clause- 2.6	IEC 60950-1: 2005+ A1: 2009+A2:2013

Director (CA), TEC

AD (CA), TEC

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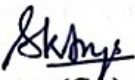
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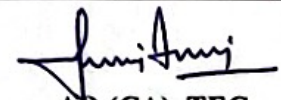
Page 2 of 8

Validity: 03/07/2022 to 02/07/2025

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirements	Over Current and Earth Fault Protection in Primary Circuits Clause- 2.7	IEC 60950-1: 2005+ A1: 2009+A2:2013
		Humidity Conditioning Clause- 2.9.2	IEC 60950-1: 2005+ A1: 2009+A2:2013
		Clearances & Creepage Distances and Distance through Insulation Clause- 2.10	IEC 60950-1: 2005+ A1: 2009+A2:2013
		Measurements of Transient Voltage Clause- 2.10.3.9	IEC 60950-1: 2005+ A1: 2009+A2:2013
		Abrasion Test Clause- 2.10.8.4	IEC 60950-1: 2005+ A1: 2009+A2:2013
		Comparative Tracking Index Clause- 2.10.4.2	IEC 60950-1: 2005+ A1: 2009+A2:2013
		Wiring Connection & Supply Clause- 3.0	IEC 60950-1: 2005+ A1: 2009+A2:2013
		Termination of Conductors Clause- 3.1.9	IEC 60950-1: 2005+ A1: 2009+A2:2013


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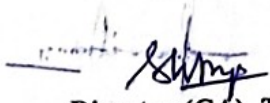
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Page 3 of 8

Validity: 03/07/2022 to 02/07/2025

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	Information Technology Equipment- Safety Requirements	Wiring Terminals for Connection of External Conductors Clause- 3.3	IEC 60950-1: 2005+ A1: 2009+A2:2013
		Interconnection of Equipment Clause- 3.5	IEC 60950-1: 2005+ A1: 2009+A2:2013
		Physical Requirements-Stability Test Clause- 4.0, 4.1	IEC 60950-1: 2005+ A1: 2009+A2:2013
		Mechanical Strength Clause- 4.2.1, 4.2.2, 4.2.3, 4.2.4	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
		Design and Construction Clause- 4.3	IEC 60950-1: 2005+ A1: 2009+A2:2013
		Protection against Hazardous Moving Parts Clause- 4.4	IEC 60950-1: 2005+ A1: 2009+A2:2013


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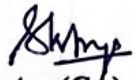
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Page 4 of 8

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirements	Thermal Requirements Clause- 4.5	IEC 60950-1: 2005+ A1: 2009+A2:2013
		Resistance to Abnormal Heat Clause- 4.5.5	IEC 60950-1: 2005+ A1: 2009+A2:2013
		Glow Wire Test Clause- 4.7.3	IEC 60950-1: 2005+ A1: 2009+A2:2013
		Resistance to Fire Clause- 4.7	IEC 60950-1: 2005+ A1: 2009+A2:2013
		Electrical Requirements and Simulated Abnormal Conditions Clause- 5 & 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
		Voltage Surge Test Clause- 7.4.2	IEC 60950-1: 2005+ A1: 2009+A2:2013


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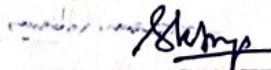
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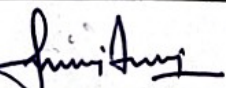
Page 5 of 8

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirements	Impulse Test Clause- 7.4.3	IEC 60950-1: 2005+ A1: 2009+A2:2013
2.	EMI/EMC testing of Telecom Equipment	Conducted Emission CISPR 11:2016	TEC/SD/DD/ EMC-. 221/ 05/OCT-16
		Conducted Emission CISPR 32:2015	TEC/SD/DD/ EMC- 221/ 05/OCT-16
		Electrostatic Discharge (ESD) Immunity Test IEC 61000-4-2	TEC/SD/DD/ EMC- 221/ 05/OCT-16
		Electric Fast Transient (EFT)/ Burst Immunity Test IEC 61000-4-4	TEC/SD/DD/ EMC- 221/ 05/OCT-16
		High Energy/Telecom Surge Immunity Test IEC 61000-4-5	TEC/SD/DD/ EMC- 221/ 05/OCT-16
		Conducted RF Susceptibility Test IEC 61000-4-6	TEC/SD/DD/ EMC- 221/ 05/OCT-16


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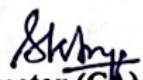
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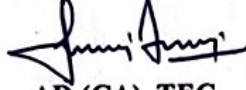
Page 6 of 8

Validity: 03/07/2022 to 02/07/2025

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	EMI/EMC testing of Telecom Equipment	Voltage Dips, Short Interruption & Voltage Variation Test IEC 61000-4-11	TEC/SD/DD/ EMC-221/ 05/OCT-16
		Conducted Emission Test, Discontinuous Disturbances (Clicks) Test, Disturbance Power (Radiated Power) Test CISPR 14-1:2016 as part of the requirement stated in TEC's Essential Requirements ,where applicable.	TEC/SD/DD/ EMC-221/ 05/OCT-16
3.	Uninterruptible Power Supply (UPS) - Safety Requirement	Power Interface Clause- 4.6	IEC 62040-1:2008
		Marking & Instructions Clause- 4.7	IEC 62040-1:2008
		Protection against Electric Shock and Energy Hazards Clause- 5.1	IEC 62040-1:2008


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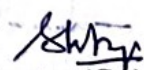
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Page 7 of 8

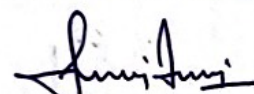
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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Uninterruptible Power Supply (UPS) - Safety Requirement	Requirement of Auxiliary Circuits Clause- 5.2	IEC 62040-1:2008
		Protective Earthing and Bonding Clause- 5.3	IEC 62040-1:2008
		Protection of Personnel-Safety Interlocks Clause- 5.6	IEC 62040-1:2008
		Clearance, Creepage Distance and Distance through Insulation Clause- 5.7	IEC 62040-1:2008
		Wiring, Connections and Supply- General Clause- 6, 6.1	IEC 62040-1:2008
		Connection of Power Clause- 6.2	IEC 62040-1:2008
		Wiring Terminals for External Power Conductors Clause- 6.3	IEC 62040-1:2008


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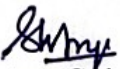
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Page 8 of 8

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Uninterruptible Power Supply (UPS) - Safety Requirement	Enclosure Clause- 7.1	IEC 62040-1:2008
		Stability Clause- 7.2	IEC 62040-1:2008
		Mechanical Strength Clause- 7.3	IEC 62040-1:2008
		Resistance to Fire Clause- 7.5	IEC 62040-1:2008
		Battery Location Clause- 7.6	IEC 62040-1:2008
		Temperature Rise Clause- 7.7	IEC 62040-1:2008
		General Provision for Earth Leakage Clause- 8.1	IEC 62040-1:2008
		Electric Strength Clause- 8.2	IEC 62040-1:2008
		Connection to Telecommunication Networks Clause- 9	IEC 62040-1:2008


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