



सत्यमेव जयते



**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 Yadav Measurements Pvt. Ltd., Udaipur
has been assessed and designated as Conformity Assessment Body (CAB)
for its facilities at

**Plot No. 373-375, RIICO Bhamashah Industrial Area, Kaladwas,
Udaipur-313 003**

In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/27

Issue Date: 02/08/2021

Valid Until: 01/08/2024

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/27 dated 02/08/2021 issued to
M/s Yadav Measurements Pvt. Ltd., Udaipur
Plot No. 373-375, RIICO Bhamashah Industrial Area,
Kaladwas, Udaipur- 313 003, Rajasthan, INDIA

Validity: -02/08/2021 to 01/08/2024

Terms & Conditions

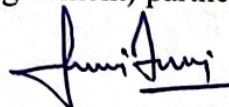
This certificate is issued as per the terms and conditions stipulated in the TEC Scheme for Designating Domestic Conformity Assessment Bodies and Certification Bodies for Conformity Assessment and Certification of Telecommunication Equipment Issue 2 No. TEC/DES-01/02.DEC.2017.

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.

SKM

[Signature]

SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s Yadav Measurements Pvt. Ltd.
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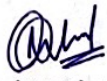
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Validity: 02/08/2021 to 01/08/2024

Last Amended on: 07/02/2022

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
		Marking and instruction (Durability) Clause- 1.7	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 hazard Clause- 2.1.1.8	IEC 60950-1 : 2005 +A1 :2009 +A2:2013


Director (MRA), TEC


AD (MRA), TEC

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Validity: 02/08/2021 to 01/08/2024

Last Amended on: 07/02/2022

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirement	Protection in service access areas 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 circuit Clause- 2.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Voltage under normal conditions Clause- 2.2.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Voltage under fault conditions Clause- 2.2.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		TNV circuit Clause- 2.3.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protection by basic insulation Clause- 2.3.2.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protection by earthing Clause- 2.3.2.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protection by other construction Clause- 2.3.2.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013



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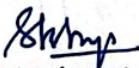
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Last Amended on: 07/02/2022

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirement	Connection of TNV circuits to other circuits Clause- 2.3.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Operating voltages generated externally Clause- 2.3.5	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Limit values Clause- 2.4.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Connection of limited current circuits to other circuits Clause- 2.4.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protective earthing Clause- 2.6.1	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 conductor Clause- 2.6.3.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Resistance of earthing conductors and their terminations Clause- 2.6.3.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013


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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirement	Protective earthing and bonding terminals Clause- 2.6.4.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Short-circuit backup protection Clause- 2.7.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protection Requirements Clause- 2.8.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Inadvertent reactivation Clause- 2.8.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Moving parts Clause- 2.8.5	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Switches and relays Clause- 2.8.7	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Contacts gaps Clause- 2.8.7.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Overload Clause- 2.8.7.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Endurance Clause- 2.8.7.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013


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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirement	Electric Strength Clause – 2.8.7.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Properties of insulating materials 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
		Reduced values for functional insulation Clause- 2.10.1.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Insulation in circuits generating starting pulses Clause-2.10.1.7	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: General Clause- 2.10.3.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Clearances in primary circuits Clause- 2.10.3.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013



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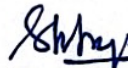
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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirement	Clearances in secondary circuits Clause- 2.10.3.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Clearances in circuits having starting pulses Clause- 2.10.3.5	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Transients from an a.c. mains supply Clause- 2.10.3.6	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Transients from a d.c. mains supply Clause- 2.10.3.7	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Transients from telecommunication networks and cable distribution systems Clause- 2.10.3.8	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Transient voltages Clause- 2.10.3.9	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Creepage distances Clause- 2.10.4.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Distances through insulation Clause- 2.10.5.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013


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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirement	Insulating compound as solid insulation Clause- 2.10.5.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Semiconductor devices Clause- 2.10.5.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Cemented joints Clause- 2.10.5.5	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Thin sheet material- General Clause- 2.10.5.6	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Separable thin sheet material Clause-2.10.5.7	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Non- separable thin sheet material Clause-2.10.5.8	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Thin sheet material- standard test procedure Clause-2.10.5.9	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Thin sheet material- alternative test procedure Clause-2.10.5.10	IEC 60950-1 : 2005 +A1 :2009 +A2:2013


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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirement	Insulation in wound components Clause-2.10.5.11	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Wire in wound components Clause-2.10.5.12	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Wire with solvent based enamel in wound components Clause-2.10.5.13	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Uncoated printed boards Clause-2.10.6.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Insulation between conductors on different surfaces of a printed board Clause-2.10.6.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Thermal Conditioning Clause-2.10.8.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Electric Strength Clause-2.10.8.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Thermal Cycling Clause-2.10.9	IEC 60950-1 : 2005 +A1 :2009 +A2:2013


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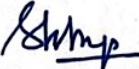
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	Information Technology Equipment- Safety Requirement	Test for Pollution Degree 1 environment and for insulating compound Clause-2.10.10	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Tests for semiconductor devices and for cemented joints Clause-2.10.11	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Enclosed and sealed parts Clause-2.10.12	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Current rating and over current protection Clause-3.1.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Insulation of conductors Clause-3.1.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Beads and ceramic insulators Clause-3.1.5	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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	Information Technology Equipment- Safety Requirement	Multiple supply connections Clause-3.2.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Appliance inlets 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 Guards Clause-3.2.8	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Supply wiring space Clause-3.2.9	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Stranded wire Clause-3.3.8	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Connection of non- detachable power supply cords Clause-3.3.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Conductor sizes to be connected Clause-3.3.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Wiring terminal sizes Clause-3.3.5	IEC 60950-1 : 2005 +A1 :2009 +A2:2013



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	Information Technology Equipment- Safety Requirement	Wiring terminal design Clause-3.3.6	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Stability Clause-4.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Steady Force 10 N Clause-4.2.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Steady Force 30 N Clause-4.2.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Steady Force 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 Clause- 4.2.10	IEC 60950-1 : 2005 +A1 :2009 +A2:2013



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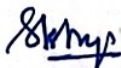
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	Information Technology Equipment- Safety Requirement	Design and construction Clause- 4.3 (except 4.3.12, 4.3.13)	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Handles and manual controls Clause- 4.3.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Batteries Clause- 4.3.8	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Dust, powders, liquids and gases Clause- 4.3.10	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protection in operator access areas Clause- 4.4.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Temperature tests Clause- 4.5.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Temperature limits for materials Clause- 4.5.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Touch temperature limits Clause- 4.5.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Resistance to abnormal heat Clause- 4.5.5	IEC 60950-1 : 2005 +A1 :2009 +A2:2013



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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirement	Adhesives for constructional purposes Clause- 4.6.5	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Materials (Resistance to fire) Clause- 4.7.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Electrical requirements and simulated abnormal conditions, 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
		Transformers Clause- 5.3.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Functional insulation Clause- 5.3.4	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Audio amplifiers in information technology equipment Clause- 5.3.6	IEC 60950-1 : 2005 +A1 :2009 +A2:2013


Director (MRA), TEC


AD (MRA), TEC

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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s Yadav Measurements Pvt. Ltd.
Plot No. 373-375, RIICO Bhamashah Industrial Area,
Kaladwas, Udaipur- 313 003.

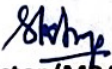
Certificate Number: TEC/MRA/CAB/IND-D/27


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Validity: 02/08/2021 to 01/08/2024

Last Amended on: 07/02/2022

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirement	Compliance criteria for abnormal operating and fault conditions-During the tests, after the tests Clause- 5.3.9.1, 5.3.9.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Separation of the telecommunication network from earth Clause- 6.1.2, 6.1.2.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Separation requirements Clause- 6.2.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Impulse Clause- 6.2.2.1	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Steady state Clause- 6.2.2.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protection of cable distribution system service persons and users of other equipment connected to the system from hazardous voltages in the equipment Clause- 7.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013


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Plot No. 373-375, RIICO Bhamashah Industrial Area,
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Certificate Number: TEC/MRA/CAB/IND-D/27

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Validity: 02/08/2021 to 01/08/2024

Last Amended on: 07/02/2022

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment- Safety Requirement	Protection of equipment users from over voltages on the cable distribution system Clause- 7.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Voltage surge Clause- 7.4.2	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Impulse test Clause- 7.4.3	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
2.	Electromagnetic Compatibility Standard for Telecommunication Equipment	Conducted Emission CISPR 11	TEC/SD/DD/EMC-221/05/OCT-16
		Conducted Emission CISPR 32	TEC/SD/DD/EMC-221/05/OCT-16
		Radiated Emission CISPR 11	TEC/SD/DD/EMC-221/05/OCT-16
		Radiated Emission CISPR 32	TEC/SD/DD/EMC-221/05/OCT-16
		Electrostatic Discharge (ESD) IEC 61000-4-2	TEC/SD/DD/EMC-221/05/OCT-16


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Plot No. 373-375, RIICO Bhamashah Industrial Area,
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Certificate Number: TEC/MRA/CAB/IND-D/27

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Validity: 02/08/2021 to 01/08/2024

Last Amended on: 07/02/2022

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Electromagnetic Compatibility Standard for Telecommunication Equipment	RF Radiated Immunity Test IEC 61000-4-3	TEC/SD/DD/EMC-221/05/OCT-16
		Electrical Fast Transient (EFT) IEC 61000-4-4	TEC/SD/DD/EMC-221/05/OCT-16
		Surge Immunity Test IEC 61000-4-5 (Power Port & Telecom Port)	TEC/SD/DD/EMC-221/05/OCT-16
		RF Conducted Immunity Test IEC 61000-4-6	TEC/SD/DD/EMC-221/05/OCT-16
		Voltage dips and short interruptions IEC 61000-4-11 (limited to testing range of 2A only)	TEC/SD/DD/EMC-221/05/OCT-16


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