



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 ACE Test Lab, Sonipat (Haryana)
has been assessed and designated as Conformity Assessment Body (CAB)

for its facilities at

Plot No. 68, HSIIDC Industrial Estate, Rai, Sonipat, Haryana-131029

In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/76

Issue Date: 29/09/2021

Valid Until: 28/09/2024

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/76 dated 29/09/2021 issued to

M/s ACE Test Lab,

Plot No. 68, HSIIDC Industrial Estate, Rai, Sonipat, Haryana-131 029

Validity: 29/09/2021 to 28/09/2024

Terms & Conditions

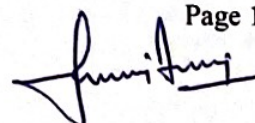
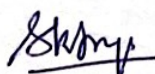
This certificate is issued as per the terms and conditions stipulated in the TEC SCHEME FOR DESIGNATING DOMESTIC CONFORMITY ASSESEMENT BODIES AND CERTIFICATION BODIES FOR CONFORMITY ASSESEMENT AND CERTIFICATION OF TELECOMMUNICATION EQUIPMENT ISSUE 2 NO. TEC/DES-01/02.DEC.2017.

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

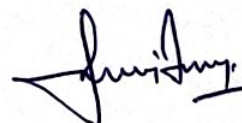
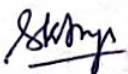
As and when required, DA shall conduct surveillance assessments and other non-routine assessments on the Designated CABs to ensure that standards of practices are maintained as well as to investigate complaints made against them.

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.

 Page 2 of 2

SCOPE OF DESIGNATION

Laboratory Name: M/s ACE Test Lab,
Plot No. 68, HSIIDC Industrial Estate,
Rai, Sonipat, Haryana-131029


Certificate Number: TEC/MRA/CAB/IND-D/76

Page 1 of 20

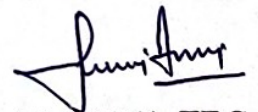
Validity: 29/09/2021 to 28/09/2024

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
1.	Information Technology Equipment-Safety – Part 1: General requirements	Power Input & Current Clause- 1.6	IEC 60950-1:2005 + A1:2009+A2:2013
		Markings & Instructions Clause- 1.7.11	IEC 60950-1:2005 + A1:2009+A2:2013
		Protection from electric shock & energy hazards (Protection against access to live parts) Clause- 2.1	IEC 60950-1:2005 + A1:2009+A2:2013
		Discharge of Capacitor 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
		TNV Circuits Clause- 2.3	IEC 60950-1:2005 + A1:2009+A2:2013
		Limited Current Circuits Clause- 2.4	IEC 60950-1:2005 + A1:2009+A2:2013
		Limited Power Source Clause-2.5	IEC 60950-1:2005 + A1:2009+A2:2013
		Protective earthing conductors and protective bonding conductors Clause- 2.6.3	IEC 60950-1:2005 + A1:2009+A2:2013
		Humidity Treatment Clause- 2.9.2	IEC 60950-1:2005 + A1:2009+A2:2013



Director (MRA), TEC



AD (MRA), TEC

***The validity of Certificate is up to 28/09/2024 or the continued validity of NABL Accreditation, whichever is earlier.**

SCOPE OF DESIGNATION

Laboratory Name: M/s ACE Test Lab,
Plot No. 68, HSIIDC Industrial Estate,
Rai, Sonipat, Haryana-131029

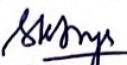
Certificate Number: TEC/MRA/CAB/IND-D/76

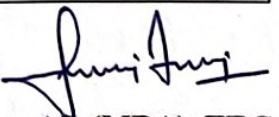
Page 2 of 20

Validity: 29/09/2021 to 28/09/2024

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment-Safety – Part 1: General requirements	Clearance and Creepage distances Clause- 2.10	IEC 60950-1:2005 + A1:2009+A2:2013
		Distance through insulation Clause- 2.10.5.2	IEC 60950-1:2005 + A1:2009+A2:2013
		Test on coated component Clause- 2.10.8	IEC 60950-1:2005 + A1:2009+A2:2013
		Wiring connection and supply Clause-3.0	IEC 60950-1:2005 + A1:2009+A2:2013
		Stability Clause- 4.1	IEC 60950-1:2005 + A1:2009+A2:2013
		Mechanical Strength Clause- 4.2	IEC 60950-1:2005 + A1:2009+A2:2013
		Impact to enclosure Clause- 4.2.4 & 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
		Batteries Clause- 4.3.8	IEC 60950-1:2005 + A1:2009+A2:2013
		Protection against moving fan blades Clause- 4.4.5	IEC 60950-1:2005 + A1:2009+A2:2013


Director (MRA), TEC


AD (MRA), TEC

***The validity of Certificate is up to 28/09/2024 or the continued validity of NABL Accreditation, whichever is earlier.**

SCOPE OF DESIGNATION

Laboratory Name: M/s ACE Test Lab,
Plot No. 68, HSIIDC Industrial Estate,
Rai, Sonipat, Haryana-131029

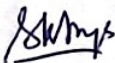
Certificate Number: TEC/MRA/CAB/IND-D/76

Page 3 of 20

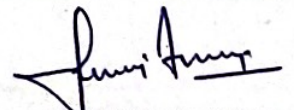
Validity: 29/09/2021 to 28/09/2024

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment-Safety – Part 1: General requirements	Heating under normal operation condition Clause- 4.5.1	IEC 60950-1:2005 + A1:2009+A2:2013
		Resistance to Heat Clause- 4.5.5	IEC 60950-1:2005 + A1:2009+A2:2013
		Resistance to fire –Horizontal burning- Needle flame- Glow wire Clause- 4.7	IEC 60950-1:2005 + A1:2009+A2:2013
		Touch Current & 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
		Connection to telecommunication network – (Impulse Test) Clause- 6.2.2.1	IEC 60950-1:2005 + A1:2009+A2:2013
		Connection to telecommunication network – Voltage surge Clause- 7.4.2	IEC 60950-1:2005 + A1:2009+A2:2013



Director (MRA), TEC



AD (MRA), TEC

***The validity of Certificate is up to 28/09/2024 or the continued validity of NABL Accreditation, whichever is earlier.**

SCOPE OF DESIGNATION

Laboratory Name: M/s ACE Test Lab,
Plot No. 68, HSIIDC Industrial Estate,
Rai, Sonapat, Haryana-131029

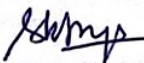
Certificate Number: TEC/MRA/CAB/IND-D/76

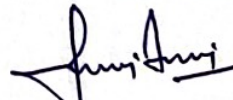
Page 4 of 20

Validity: 29/09/2021 to 28/09/2024

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment-Safety – Part 1: General requirements	Insulation between Primary circuits and Cable distribution system Clause- 7.4.3	IEC 60950-1:2005 + A1:2009+A2:2013
		Ventilation Clause- 7.6.7, Annex M	IEC 60950-1:2005 + A1:2009+A2:2013
2.	Standards for Environmental testing of Telecom Equipment	Low Temperature Test	QM-333 Issue March-2010
		High Temperature test	QM-333 Issue March-2010
		Damp Heat Test (Cycle)	QM-333 Issue March-2010
		Temperature cycling/Change of temperature	QM-333 Issue March-2010
		Damp Heat Test (Steady state)	QM-333 Issue March-2010
		Vibration Test Sinusoidal (Vibration Integrity)	QM-333 Issue March-2010
		Altitude Test with temperature control (Restricted to simulation of low pressure only without variation & humidity)	QM-333 Issue March-2010


Director (MRA), TEC


AD (MRA), TEC

***The validity of Certificate is up to 28/09/2024 or the continued validity of NABL Accreditation, whichever is earlier.**



SCOPE OF DESIGNATION

Laboratory Name: M/s ACE Test Lab,
 Plot No. 68, HSIIDC Industrial Estate,
 Rai, Sonapat, Haryana-131029

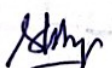
Certificate Number: TEC/MRA/CAB/IND-D/76


Page 5 of 20

Validity: 29/09/2021 to 28/09/2024

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Standards for Environmental testing of Telecom Equipment	Transit Drop Topple & Free fall	QM-333 Issue March-2010
3.	Audio/Video, Information and Communication Technology Equipment-Part 1: Safety Requirement	General Clause- 4.1	IEC 62368-1:2014
		Protection against Energy Sources Clause- 4.3	IEC 62368-1:2014
		Safeguards Clause- 4.4	IEC 62368-1:2014
		General, Stress Relief Clause- 4.4.4.1, Annex T.8	IEC 62368-1:2014
		Steady Force Tests Clause- 4.4.4.2, Annex T.3, T.4 and T.5	IEC 62368-1:2014
		Drop Tests Clause- 4.4.4.3, Annex T.7	IEC 62368-1:2014
		Impact Tests Clause- 4.4.4.4, Annex T.6	IEC 62368-1:2014
		Explosion Clause-4.5	IEC 62368-1:2014


 Director (MRA), TEC


 AD (MRA), TEC

*The validity of Certificate is up to 28/09/2024 or the continued validity of NABL Accreditation, whichever is earlier.

SCOPE OF DESIGNATION

Laboratory Name: M/s ACE Test Lab,
Plot No. 68, HSIIDC Industrial Estate,
Rai, Sonapat, Haryana-131029

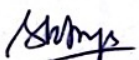
Certificate Number: TEC/MRA/CAB/IND-D/76


Page 6 of 20

Validity: 29/09/2021 to 28/09/2024

Last Amended on: _____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Audio/Video, Information and Communication Technology Equipment-Part 1: Safety Requirement	Fixing of Conductors Clause- 4.6	IEC 62368-1:2014
		Equipment for direct insertion into mains socket outlets Clause- 4.7	IEC 62368-1:2014
		Products containing Lithium coin/button cell batteries Clause- 4.8	IEC 62368-1:2014
		Classification and limits of Electrical Energy Sources Clause- 5.2	IEC 62368-1:2014
		Protection against Electrical Energy Sources Clause- 5.3, T.3	IEC 62368-1:2014
		Insulation materials and requirements Clause- 5.4.1.1	IEC 62368-1:2014
		Properties of insulating material Clause- 5.4.1.2	IEC 62368-1:2014
		Compliance Criteria Clause- 5.4.1.3	IEC 62368-1:2014


Director (MRA), TEC


AD (MRA), TEC

***The validity of Certificate is up to 28/09/2024 or the continued validity of NABL Accreditation, whichever is earlier.**

SCOPE OF DESIGNATION

Laboratory Name: M/s ACE Test Lab,
Plot No. 68, HSIIDC Industrial Estate,
Rai, Sonipat, Haryana-131029

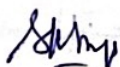
Certificate Number: TEC/MRA/CAB/IND-D/76

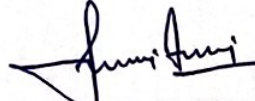
Page 7 of 20

Validity: 29/09/2021 to 28/09/2024

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Audio/Video, Information and Communication Technology Equipment-Part 1: Safety Requirement	Maximum Operation temperatures for materials, components and systems Clause- 5.4.1.4	IEC 62368-1:2014
		Pollution degrees Clause- 5.4.1.5	IEC 62368-1:2014
		Insulation in transformers with varying dimensions Clause- 5.4.1.6	IEC 62368-1:2014
		Insulation in Circuits generating Starting Pulses Clause- 5.4.1.7	IEC 62368-1:2014
		Determination of Working Voltages Clause- 5.4.1.8	IEC 62368-1:2014
		Thermoplastic parts on which conductive metallic parts are directly mounted Clause- 5.4.1.10	IEC 62368-1:2014
		Clearances Clause- 5.4.2	IEC 62368-1:2014
		Solid Insulation Clause- 5.4.4	IEC 62368-1:2014


Director (MRA), TEC


AD (MRA), TEC

***The validity of Certificate is up to 28/09/2024 or the continued validity of NABL Accreditation, whichever is earlier.**

SCOPE OF DESIGNATION

Laboratory Name: M/s ACE Test Lab,
Plot No. 68, HSIIDC Industrial Estate,
Rai, Sonipat, Haryana-131029

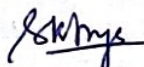
Certificate Number: TEC/MRA/CAB/IND-D/76

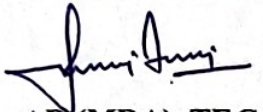
Page 8 of 20

Validity: 29/09/2021 to 28/09/2024

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Audio/Video, Information and Communication Technology Equipment-Part 1: Safety Requirement	Antenna terminal insulation Clause- 5.4.5, Annex G.10.3.2	IEC 62368-1:2014
		Insulation of internal wire as a part of a supplementary safeguard and test for semiconductor components and for cemented joints Clause- 5.4.6 & 5.4.7	IEC 62368-1:2014
		Humidity Conditioning Clause- 5.4.8	IEC 62368-1:2014
		Electric Strength test Clause- 5.4.9	IEC 62368-1:2014
		Safeguards against Transient Voltages from External Circuits Clause- 5.4.10	IEC 62368-1:2014
		Separation between External Circuits and Earth Clause- 5.4.11	IEC 62368-1:2014
		Components as Safeguards Clause- 5.5	IEC 62368-1:2014
		Protective Conductor Clause- 5.6	IEC 62368-1:2014


Director (MRA), TEC


AD (MRA), TEC

***The validity of Certificate is up to 28/09/2024 or the continued validity of NABL Accreditation, whichever is earlier.**

SCOPE OF DESIGNATION

Laboratory Name: M/s ACE Test Lab,
Plot No. 68, HSIIDC Industrial Estate,
Rai, Sonapat, Haryana-131029


Certificate Number: TEC/MRA/CAB/IND-D/76

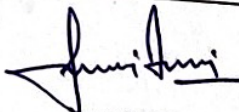
Page 9 of 20

Validity: 29/09/2021 to 28/09/2024

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Audio/Video, Information and Communication Technology Equipment-Part 1: Safety Requirement	Prospective Touch Voltage, Touch Current and Protective Conductor Current Clause- 5.7	IEC 62368-1:2014
		Electrically- caused fire Clause- 5.6	IEC 62368-1:2014
		Injury caused by Hazardous Substances Clause- 7	IEC 62368-1:2014
		Ozone Exposure Clause- 7.3	IEC 62368-1:2014
		Mechanically – caused injury, general Clause- 8, 8.1	IEC 62368-1:2014
		Mechanical Energy Source classification Clause- 8.2	IEC 62368-1:2014
		Safeguards against parts with Sharp Edges and Corners Clause-8.4	IEC 62368-1:2014
		Safeguards against Moving Parts Clause-8.5	IEC 62368-1:2014
		Stability of Equipment Clause-8.6	IEC 62368-1:2014


Director (MRA), TEC


AD (MRA), TEC

***The validity of Certificate is up to 28/09/2024 or the continued validity of NABL Accreditation, whichever is earlier.**

SCOPE OF DESIGNATION

Laboratory Name: M/s ACE Test Lab,
Plot No. 68, HSIIDC Industrial Estate,
Rai, Sonapat, Haryana-131029

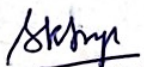
Certificate Number: TEC/MRA/CAB/IND-D/76

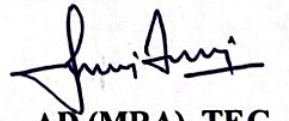
Page 10 of 20

Validity: 29/09/2021 to 28/09/2024

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Audio/Video, Information and Communication Technology Equipment-Part 1: Safety Requirement	Equipment mounted to wall or ceiling Clause- 8.7	IEC 62368-1:2014
		Handle Strength Clause- 8.8	IEC 62368-1:2014
		Wheels or casters attachment requirements Clause- 8.9	IEC 62368-1:2014
		Carts, Stands, and similar carriers Clause- 8.10	IEC 62368-1:2014
		Mounting means for rack mounted equipment Clause- 8.11	IEC 62368-1:2014
		Telescoping or Rod Antennas Clause- 8.12	IEC 62368-1:2014
		Thermal burn injury Clause- 9	IEC 62368-1:2014
		Normal operation condition tests, abnormal operating condition tests and single fault condition tests Clause- Annex B	IEC 62368-1:2014


Director (MRA), TEC


AD (MRA), TEC

***The validity of Certificate is up to 28/09/2024 or the continued validity of NABL Accreditation, whichever is earlier.**

SCOPE OF DESIGNATION

Laboratory Name: M/s ACE Test Lab,
Plot No. 68, HSIIDC Industrial Estate,
Rai, Sonipat, Haryana-131029

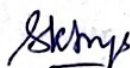
Certificate Number: TEC/MRA/CAB/IND-D/76

Page 11 of 20

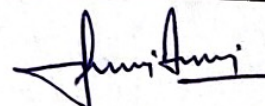
Validity: 29/09/2021 to 28/09/2024

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Audio/Video, Information and Communication Technology Equipment-Part 1: Safety Requirement	Test generators & Test conditions for equipment containing audio amplifiers Clause- Annex D & E	IEC 62368-1:2014
		Equipment markings, instructions and instructional safeguards Clause- Annex F	IEC 62368-1:2014
		Criteria for telephone ringing signals, overvoltage categories, insulated winding wires for use without interleaved insulation, safety interlocks, disconnect devices Clause- Annex H, I, J, K, & L	IEC 62368-1:2014
		Equipment containing batteries and their protection circuits Clause- Annex M	IEC 62368-1:2014
		Electrochemical potentials, measurements of Creepage distances and clearances & safeguards against conductive parts Clause-Annex N, O and P	IEC 62368-1:2014
		Circuits intended for interconnection with building wiring Clause- Annex Q	IEC 62368-1:2014



Director (MRA), TEC



AD (MRA), TEC

*The validity of Certificate is up to 28/09/2024 or the continued validity of NABL Accreditation, whichever is earlier.

SCOPE OF DESIGNATION

Laboratory Name: M/s ACE Test Lab,
Plot No. 68, HSIIDC Industrial Estate,
Rai, Sonipat, Haryana-131029

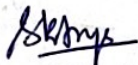
Certificate Number: TEC/MRA/CAB/IND-D/76

Page 12 of 20

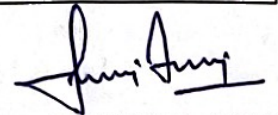
Validity: 29/09/2021 to 28/09/2024

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Audio/Video, Information and Communication Technology Equipment-Part 1: Safety Requirement	Limited Short- Circuit test Clause- Annex R	IEC 62368-1:2014
		Tests for Resistance to Heat and Fire Clause- Annex S	IEC 62368-1:2014
		Mechanical Strength tests Clause- Annex T	IEC 62368-1:2014
		Determination of accessible parts Clause- Annex V	IEC 62368-1:2014
4. Audio/Video and similar Electronic Apartments-Safety Requirements		General Requirements Clause-5	IEC 60065:2014
		Identification Supply rating Clause-5.2	IEC 60065:2014
		Heating normal operating conditions Clause-7.1	IEC 60065:2014
		Heat Resistance of insulating material Clause-7.2	IEC 60065:2014
		Heat Run test Clause-8.17	IEC 60065:2014
		Mandrel Test Clause-8.21	IEC 60065:2014
		Determination of Hazards live parts Clause-9.1.2	IEC 60065:2014



Director (MRA), TEC



AD (MRA), TEC

***The validity of Certificate is up to 28/09/2024 or the continued validity of NABL Accreditation, whichever is earlier.**

SCOPE OF DESIGNATION

Laboratory Name: M/s ACE Test Lab,
Plot No. 68, HSIIDC Industrial Estate,
Rai, Sonapat, Haryana-131029

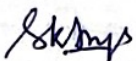
Certificate Number: TEC/MRA/CAB/IND-D/76

Page 13 of 20

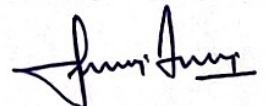
Validity: 29/09/2021 to 28/09/2024

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Audio/Video and similar Electronic Apartments-Safety Requirements	Determination of accessible parts Clause-9.1.1.3	IEC 60065:2014
		Opening of Fire enclosure Clause-9.1.3	IEC 60065:2014
		Pre-Set control Clause-9.1.5	IEC 60065:2014
		Withdrawal of mains plug Clause-9.1.6	IEC 60065:2014
		Resistance of External forces Clause-9.1.7	IEC 60065:2014
		Surge Test Clause-10.2	IEC 60065:2014
		Humidity Treatment Clause-10.2 & 10.3	IEC 60065:2014
		Fault Condition Clause-11	IEC 60065:2014
		Mechanical Strength Clause-12	IEC 60065:2014
		Vibration Test Clause-12.1.3	IEC 60065:2014
		Impact Test Clause-12.1.4	IEC 60065:2014



Director (MRA), TEC



AD (MRA), TEC

***The validity of Certificate is up to 28/09/2024 or the continued validity of NABL Accreditation, whichever is earlier.**

SCOPE OF DESIGNATION

Laboratory Name: M/s ACE Test Lab,
Plot No. 68, HSIIDC Industrial Estate,
Rai, Sonipat, Haryana-131029

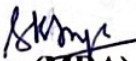
Certificate Number: TEC/MRA/CAB/IND-D/76

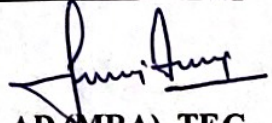
Page 14 of 20

Validity: 29/09/2021 to 28/09/2024

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Audio/Video and similar Electronic Apartments-Safety Requirements	Stress Relief Test Clause 12.1.6	IEC 60065:2014
		Remote Control Devices held in hands Clause 12.3	IEC 60065:2014
		Test on Apparatus containing coin/button batteries Clause 12.7.3	IEC 60065:2014
		Impact Energy Clause 13.1.4	IEC 60065:2014
		Clearances in circuits conductivity connected to the mains Clause 13.3.2	IEC 60065:2014
		Transient Voltages Clause 13.3.4	IEC 60065:2014
		Creepage distance Clause 13.4	IEC 60065:2014
		Joint Insulation Clause 13.6	IEC 60065:2014
		Terminals Clause 15	IEC 60065:2014
		External Flexible cords Clause 16	IEC 60065:2014


Director (MRA), TEC


AD (MRA), TEC

***The validity of Certificate is up to 28/09/2024 or the continued validity of NABL Accreditation, whichever is earlier.**

SCOPE OF DESIGNATION

Laboratory Name: M/s ACE Test Lab,
 Plot No. 68, HSIIDC Industrial Estate,
 Rai, Sonipat, Haryana-131029

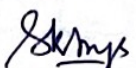
Certificate Number: TEC/MRA/CAB/IND-D/76

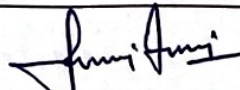
Page 15 of 20

Validity: 29/09/2021 to 28/09/2024

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Audio/Video and similar Electronic Apartments-Safety Requirements	External Connection and Mechanical fixings Clause 17	IEC 60065:2014
		Stability Clause- 19.1 to 19.4	IEC 60065:2014
		Fragmentation test Clause- 19.6.2	IEC 60065:2014
		Wall or Ceiling mounted means Clause- 19.7	IEC 60065:2014
		Resistance to Fire Clause- 20	IEC 60065:2014
5.	Safety requirements for Electrical equipment for Measurement, Control and Laboratory use & Subsequent Parts	Application of Fault conditions Clause- 4.4.2	IEC 61010-1:2010 + AMD1:2016
		Short Circuit Clause- 4.4.2.7.2	IEC 61010-1:2010 + AMD1:2016
		Overload Clause- 4.4.2.7.3	IEC 61010-1:2010 + AMD1:2016
		Mains Supply Clause-4.4.2.7.5 & 5.1.3	IEC 61010-1:2010 + AMD1:2016
		Durability of Markings Clause- 5.3	IEC 61010-1:2010 + AMD1:2016


Director (MRA), TEC


AD (MRA), TEC

***The validity of Certificate is up to 28/09/2024 or the continued validity of NABL Accreditation, whichever is earlier.**

SCOPE OF DESIGNATION

Laboratory Name: M/s ACE Test Lab,
Plot No. 68, HSIIDC Industrial Estate,
Rai, Sonipat, Haryana-131029

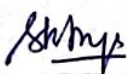
Certificate Number: TEC/MRA/CAB/IND-D/76

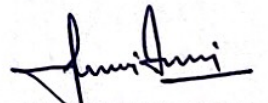
Page 16 of 20

Validity: 29/09/2021 to 28/09/2024

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Safety requirements for Electrical equipment for Measurement, Control and Laboratory use & Subsequent Parts	Protection against Electric Shock Clause- 6	IEC 61010-1:2010 + AMD1:2016
		Stability Clause- 7.4	IEC 61010-1:2010 + AMD1:2016
		Resistance to Mechanical Stresses Clause- 8	IEC 61010-1:2010 + AMD1:2016
		Containment of Fire within the Equipment Clause- 9.3	IEC 61010-1:2010 + AMD1:2016
		Limited Energy Circuit Clause- 9.4	IEC 61010-1:2010 + AMD1:2016
		Resistance to Heat Clause- 10.5	IEC 61010-1:2010 + AMD1:2016
		Fluid Pressure and Leakage Clause- 11.7	IEC 61010-1:2010 + AMD1:2016
		Motors (Temperature Measurement under Single Fault Condition) Clause- 14.2	IEC 61010-1:2010 + AMD1:2016
		Mains Transformers tested outside Equipment Clause- 14.6	IEC 61010-1:2010 + AMD1:2016


Director (MRA), TEC


AD (MRA), TEC

***The validity of Certificate is up to 28/09/2024 or the continued validity of NABL Accreditation, whichever is earlier.**

SCOPE OF DESIGNATION

Laboratory Name: M/s ACE Test Lab,
Plot No. 68, HSIIDC Industrial Estate,
Rai, Sonipat, Haryana-131029

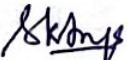
Certificate Number: TEC/MRA/CAB/IND-D/76

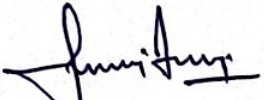
Page 17 of 20

Validity: 29/09/2021 to 28/09/2024

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Safety requirements for Electrical equipment for Measurement, Control and Laboratory use & Subsequent Parts	Circuits to use to limit transient over voltages Clause-14.8	IEC 61010-1:2010 + AMD1:2016
6.	Safety Requirements for Secondary cells and batteries (Lithium ion system)	Continuous Charging at Constant Voltage (Cell) Clause- 7.2.1	IEC 62133-2:2017
		External Short Circuit (Cell) Clause- 7.3.1	IEC 62133-2:2017
		External Short Circuit (battery) Clause- 7.3.2	IEC 62133-2:2017
		Free Fall Clause- 7.3.3	IEC 62133-2:2017
		Thermal Abuse Clause- 7.3.4	IEC 62133-2:2017
		Crushing of Cells Clause- 7.3.5	IEC 62133-2:2017
		Over Charge Clause- 7.3.6	IEC 62133-2:2017


Director (MRA), TEC


AD (MRA), TEC

***The validity of Certificate is up to 28/09/2024 or the continued validity of NABL Accreditation, whichever is earlier.**

SCOPE OF DESIGNATION

Laboratory Name: M/s ACE Test Lab,
Plot No. 68, HSIIDC Industrial Estate,
Rai, Sonapat, Haryana-131029

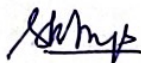
Certificate Number: TEC/MRA/CAB/IND-D/76

Page 18 of 20

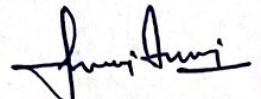
Validity: 29/09/2021 to 28/09/2024

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Safety Requirements for Secondary cells and batteries (Lithium ion system)	Forced Discharge (Cell) Clause- 7.3.7	IEC 62133-2:2017
		Vibration Clause- 7.3.8.1	IEC 62133-2:2017
		Mechanical Shock Clause- 7.3.8.2	IEC 62133-2:2017
7.	Uninterruptible Power System (UPS) Part 1:- General and Safety Requirements for UPS	Power Interface (With Linear Load only) Clause- 4.6	IEC 62040-1:2008/ IS 16242-1(2014)
		Power Rating Clause- 4.7.2	IEC 62040-1:2008/ IS 16242-1(2014)
		High Leakage Current Clause- 4.7.13	IEC 62040-1:2008/ IS 16242-1(2014)
		Durability of Marking Clause- 4.7.16	IEC 62040-1:2008/ IS 16242-1(2014)
		Energy Hazards Clause- 4.7.20	IEC 62040-1:2008/ IS 16242-1(2014)
		Protection Against Electric shock and Energy Hazards Clause- 5.1.1 to 5.1.5	IEC 62040-1:2008/ IS 16242-1(2014)
		Limited Current Circuits Clause- 5.2.3	IEC 62040-1:2008/ IS 16242-1(2014)



Director (MRA), TEC



AD (MRA), TEC

***The validity of Certificate is up to 28/09/2024 or the continued validity of NABL Accreditation, whichever is earlier.**

SCOPE OF DESIGNATION

Laboratory Name: M/s ACE Test Lab,
Plot No. 68, HSIIDC Industrial Estate,
Rai, Sonapat, Haryana-131029

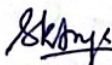
Certificate Number: TEC/MRA/CAB/IND-D/76

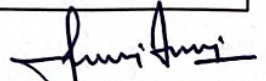
Page 19 of 20

Validity: 29/09/2021 to 28/09/2024

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Uninterruptible Power System (UPS) Part 1:- General and Safety Requirements for UPS	Limited Power Source Clause- 5.2.5	IEC 62040-1:2008/ IS 16242-1(2014)
		Protective Earthing Clause- 5.3.2	IEC 62040-1:2008/ IS 16242-1(2014)
		Clearance Creepage Distance and Distance Through Insulation Clause- 5.7	IEC 62040-1:2008/ IS 16242-1(2014)
		General Provisions for Connection to Power Clause- 6.2.1	IEC 62040-1:2008/ IS 16242-1(2014)
		Stability Clause- 7.2	IEC 62040-1:2008/ IS 16242-1(2014)
		Mechanical Strength Clause- 7.3	IEC 62040-1:2008/ IS 16242-1(2014)
		Resistance to Fire Clause 7.5	IEC 62040-1:2008/ IS 16242-1(2014)
		Temperature Rise Clause- 7.7	IEC 62040-1:2008/ IS 16242-1(2014)
		General Provision for Earth Leakage Clause- 8.1	IEC 62040-1:2008/ IS 16242-1(2014)
		Electric Strength Clause- 8.2	IEC 62040-1:2008/ IS 16242-1(2014)
		Abnormal Operating and Fault Conditions Clause- 8.3	IEC 62040-1:2008/ IS 16242-1(2014)


Director (MRA), TEC


AD (MRA), TEC

***The validity of Certificate is up to 28/09/2024 or the continued validity of NABL Accreditation, whichever is earlier.**

SCOPE OF DESIGNATION

Laboratory Name: M/s ACE Test Lab,
Plot No. 68, HSIIDC Industrial Estate,
Rai, Sonipat, Haryana-131029

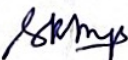
Certificate Number: TEC/MRA/CAB/IND-D/76

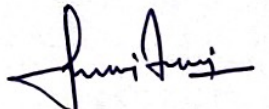
Page 20 of 20

Validity: 29/09/2021 to 28/09/2024

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Uninterruptible Power System (UPS) Part 1:- General and Safety Requirements for UPS	Connection to telecommunication on Networks (Impulse Test 70/100us) Clause- 9	IEC 62040-1:2008/ IS 16242-1(2014)
		Reference Load Clause- Annex L	IEC 62040-1:2008/ IS 16242-1(2014)
		Ventilation Clause-6.7, Annex -H	IEC 62040-1:2008/ IS 16242-1(2014)


Director (MRA), TEC


AD (MRA), TEC

***The validity of Certificate is up to 28/09/2024 or the continued validity of NABL Accreditation, whichever is earlier.**