



Annexure-I Certificate No: TEC/MRA/CAB/IND-D/56 dated 30.07.2019 issued to
M/s Electronics Regional Test Laboratory (North), New Delhi.

Sl. No.	1	2	3	4
	Telecom Equipment/Product	Type of Testing	Technical Regulation	Date of Designation
1.	Information Technology Equipment- Safety Requirements	All types of testing covered in Technical regulations mentioned in column 3 only for following tests: 1 Components (Clause 1.5) * 2 Power Interface (Clause 1.6) 3 Verifications of Marking and Instruction (Clause 1.7) 4 Protection from Electric Shock and Energy Hazards (Clause 2.1) 5 SELV Circuits (Clause 2.2) 6 TNV Circuits (Clause 2.3) * 7 Limited Current Circuits (Clause 2.4) 8 Limited Power Sources (Clause 2.5) 9 Provisions for Earthing and Bonding (Clause 2.6) 10 Over current and Earth Fault Protection in Primary Circuits (Clause 2.7) 11 Safety Interlocks (Clause 2.8) 12 Electric Insulation (Clause 2.9)	IEC 60950-1:2005 & A1: 2009 & A2: 2013	30/07/2019

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		13 Clearances, Creepage Distances and Distances through Insulation (Clause 2.10) 14 Wiring, Connections and Supply (Clause 3.1) 15 Connection to a Main Supply (Clause 3.2) 16 Wiring Terminals for Connection of External Conductors (Clause 3.3) 17 Disconnection for the Main Supply (Clause 3.4) 18 Interconnection of Equipment (Clause 3.5) 19 Stability (Clause 4.1) 20 Mechanical Strength (Clause 4.2) 21 Design and Construction (Clause 4.3) 22 Protection against Hazardous Moving Parts (Clause 4.4) 23 Thermal Requirements (Clause 4.5) 24 Opening in Enclosures (Clause 4.6) 25 Resistance to fire (Clause 4.7) 26 Electrical Requirements and Simulated Abnormal Conditions (Clause 5.1) 27 Electric Strength (Clause 5.2) 28 Abnormal operation and fault conditions (Clause 5.3) 29 Connection to the telecommunication network (Clause 6.1 - 6.3) 30 Connection to cable distribution systems (Clause 7 except 7.4.2)		
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		31 Voltage surge test (Clause 7.4.2) *		
2.	EMI/EMC Testing	<p>All types of testing covered in Technical regulations mentioned in column 3 only for following tests:</p> <ol style="list-style-type: none"> 1 Conducted Emission (CISPR22: 2008) 2 Conducted Emission (CISPR11: 2015) 3 Conducted Emission (CISPR32:2015) * 4 Radiated Emission (CISPR22: 2008) 5 Radiated Emission (CISPR11: 2015) 6 Radiated Emission (CISPR32:2015) * 7 Electrostatic Discharge (ESD) (IEC 61000-4-2: 2008) 8 Electrostatic fast transient (EFT)/Burst Immunity Test (IEC 61000-4-4: 2012) 9 Surge Immunity Test (IEC 61000-4-5: 2014) 10 Conducted Immunity Test (IEC 61000-4-6: 2013) 11 Voltage Dips & Interruption (IEC 61000-4-11: 2004) 12 Voltage Dips & Interruption (IEC 61000-4-29: 2000) * 13 Telecom Surge (ITU-T K.20) 14 Telecom Surge (ITU-T K.21) 15 Telecom Surge (ITU-T K.41) * 	TEC/SD/DD/ EMC- 221/05/OCT-16	30/07/2019
3.	Environmental Testing	<p>All types of testing covered in Technical regulations mentioned in column 3 only for following tests:</p> <ol style="list-style-type: none"> 1 Cold Test 	QM-333 ISSUE MARCH 2010	30/07/2019

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		1 Cold Test 2 Dry Heat Test 3 Damp Heat Test (Cyclic) 4 Temperature Cycling/ Change of Temperature 5 Damp Heat Test (Steady State) 6 Vibration Test 7 Salt Mist Test 8 Bump Test		
4.	Uninterruptible Power Supply (UPS) - Safety Requirement	All types of testing covered in Technical regulations mentioned in column 3 only for following tests: 1 Insulation (Clause 3.6) * 2 Component (Clause 4.5) * 3 Power interface (Clause 4.6) 4 Power rating (Clause 4.7.2) 5 High leakage current (Clause 4.7.13) 6 Durability of marking- petroleum spirit (Clause 4.7.16) 7 Battery-variable resistive load (Clause 4.7.20) 8 Protection against electric shock and energy hazards (Clause 5.1) 9 Limited current circuits (Clause 5.2.3) 10 External signalling circuits (Clause 5.2.4) * 11 Limited Power source (Clause 5.2.5) 12 Protective earthing (Clause 5.3.2) 13 AC & DC power isolation (Clause 5.4) * 14 Overcurrent and earth fault protection (Clause 5.5) *	IEC62040-1:2008	30/07/2019

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		15 Protection of personnel-safety interlocks (Clause 5.6) * 16 Clearance, creepage distance and distance through insulation (Clause 5.7) 17 Wiring, connections and supply-general (Clause 6.1) * 18 General provision for connection to power (Clause 6.2.1) 19 Wiring terminals for external power conductors (Clause 6.3) * 20 Enclosure (Clause 7.1) * 21 Stability (Clause 7.2) 22 Mechanical strength (Clause 7.3) 23 Construction details (Clause 7.4) 24 Resistance to fire (Clause 7.5) 25 Battery location (Clause 7.6) * 26 Temperature rise (Clause 7.7) 27 General provision for earth leakage (Clause 8.1) 28 Electric strength (Clause 8.2) 29 Abnormal operating and fault condition (Clause 8.3) 30 Connection to telecommunication networks (Clause 9) *		
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* Note: - For these tests, Certificate is issued on provisional basis for period of six months as per amendment issued dated 18/06/2018 for CAB designation scheme of TEC (ISSUE 2 NO. TEC/DES-01/02.DEC.2017).

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Telecommunication Engineering Centre
(Department of Telecommunications)
Khurshid Lal Bhawan, Janpath, New Delhi – 110001

No. 1-38 /2018-MRA/TEC

Dated: 08.09.2020

Addendum

Subject: Designation of M/s Electronics Regional Test Laboratory (North), New Delhi as Conformity Assessment Body (CAB)

Ref: CAB Designation Certificate No. TEC/MRA/CAB/IND-D/56 dated 30.07.2019

It is certified that the provisional designation granted to Electronics Regional Test Laboratory (North), New Delhi as CONFORMITY ASSESSMENT BODY (CAB) is hereby regularised to carry out product testing activities for following tests on receipt of necessary amendment in NABL scope certificate:-

Sl. No.	Telecom Equipment/Product	Type of Testing	Technical Regulation
1.	Information Technology Equipment-Safety Requirements	1. Components (Clause 1.5)	IEC 60950-1:2005 + A1:2009 + A2:2013
2.	EMI/ EMC Testing	1. Conducted Emission (CISPR 32:2015) 2. Radiated Emission (CISPR 32:2015) 3. Voltage Dips & Interruption (IEC 61000-4-29: 2000) 4. Telecom Surge (ITU-T K.41)	TEC/SD/DD/EMC-221/05/OCT-16
3.	Uninterruptible Power Supply (UPS) - Safety Requirement	1. Component (Clause 4.5) 2. Insulation (Clause 3.6) 3. AC & DC power isolation (Clause 5.4) 4. Overcurrent and earth fault protection (Clause 5.5) 5. Protection of personnel-safety interlocks (Clause 5.6) 6. External signaling circuits (Clause 5.2.4) 7. Wiring, connections and supply-general (Clause 6.1) 8. Connection to telecommunication networks (Clause 9.0)	IEC 62040-1(2008)/ IS 16242 (Part-1)



2. The provisional designation granted vide letter no. 1-38/2018-MRA/TEC dated 30.07.2019 in respect of following test parameters is hereby withdrawn immediately from the Scope of CAB Designation of Electronics Regional Test Laboratory (North), New Delhi due to non inclusion/requisite correction in NABL Accreditation Scope of CAB.

Sl. No.	Telecom Equipment/Product	Type of Testing	Technical Regulation	Remarks
1.	Information Technology Equipment- Safety Requirements	1. TNV Circuits (Clause 2.3)	IEC 60950-1:2005 + A1:2009 + A2:2013	Range of testing/ limit is 1000 V in NABL, while required range of testing is 1500 V.
		2. Voltage Surge Test (Clause 7.4.2)		Range of testing/ limit is 5KV in NABL, while required range of testing is 10KV.
2.	Uninterruptible Power Supply (UPS) -Safety Requirement	1. Wiring terminals for external power conductors (Clause 6.3)	IEC 62040-1(2008)/ IS 16242 (Part-1)	This Clause is not mentioned in NABL.
		2. Enclosure (Clause 7.1)		Test clause no. is wrongly mentioned as 6.2.1 instead of 7.1 in NABL Accreditation.
		3. Battery location (Clause 7.6)		Test clause no. is wrongly mentioned as 7.1 instead of 7.6 in NABL Accreditation.

3. This letter is issued as an Addendum to CAB Designation Certificate No. TEC/MRA/CAB/IND-D/56 dated 30.07.2019 already issued with CAB identity IND056.

4. The date of validity of CAB Designation Certificate, Scope in respect of all other test parameters mentioned in Annexure-I, of Certificate, except in respect of test parameters mentioned herein above, all terms and conditions mentioned in the Certificate shall remain unchanged.


08/09/2020

(Kamal Bhagat)
Deputy Director General (MRA)
For Designating Authority
TEC

To,

Sh. R. P. Sondhi, Sr. Director
M/s Electronics Regional Test Laboratory (North),
S- Block, Okhla Industrial Area,
Phase-II, New Delhi-110020.