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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 EMC Lab, ITI Limited, Bangalore
has been assessed and designated as Conformity Assessment Body (CAB)

for its facilities at

F-53, Telecom Test Labs, ITI Limited, Doorvaninagar, Bangalore-560016

In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/79

Issue Date: 17/12/2021

Valid Until: 16/12/2024

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 (CA)
For Designating Authority
TEC

Certificate No: TEC/MRA/CAB/IND-D/79 dated 17/12/2021 issued to
M/s EMC lab, ITI Limited,

F-53, Telecom Test Labs, ITI Limited, Doorvaninagar, Bangalore-560016

Validity: - 17/12/2021 to 16/12/2024

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.

Stemp

(Signature)

SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s EMC lab, ITI Limited
F-53, Telecom Test Labs, ITI Limited, Doorvaninagar,
Bangalore-560016, India

Certificate Number: TEC/MRA/CAB/IND-D/79

Page 1 of 1

Validity: 17/12/2021 to 16/12/2024

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
1.	EMI/EMC Testing for Telecom Equipment	Conducted Emission CISPR 11,CISPR 32	TEC/SD/DD/EMC-221/05/OCT-16
		Radiated Emission CISPR 11,CISPR 32	TEC/SD/DD/EMC-221/05/OCT-16
		Electrostatic Discharge Immunity Test IEC 61000-4-2	TEC/SD/DD/EMC-221/05/OCT-16
		RF Radiated Electromagnetic field Immunity Test IEC 61000-4-3	TEC/SD/DD/EMC-221/05/OCT-16
		Electrical Fast Transient / Burst immunity test IEC 61000-4-4	TEC/SD/DD/EMC-221/05/OCT-16
		Surge immunity test IEC 61000-4-5	TEC/SD/DD/EMC-221/05/OCT-16
		Immunity to conducted disturbances, induced by RF fields IEC 61000-4-6	TEC/SD/DD/EMC-221/05/OCT-16
		Voltage dips, short interruptions and voltage variation Immunity Tests IEC 61000-4-11	TEC/SD/DD/EMC-221/05/OCT-16



Director (CA), TEC



AD (CA), TEC

***The validity of Certificate is up to 16/12/2024 or the continued validity of NABL Accreditation, whichever is earlier.**

Government of India
Department of Telecommunications
Telecommunication Engineering Centre
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi – 110001



No. 1-86/2023- सी .ए./टी .ई .सी.

दिनांक:- 23.02.2024

To,

EMC Lab, ITI Limited, Bangalore
F-53, Telecom Test Labs, ITI Limited, Doorvaninagar,
Bangalore - 560 016, INDIA
Mob: 9742289097, E-Mail: kal_bgp@itilttd.co.in

[Kind attention to Ms. Alli Rani K, Chief Manager (Test Labs)]

Subject: Enhancement of Scope of CAB Designation of EMC Lab, ITI Limited, Bangalore

- Ref: 1. TEC CAB Designation Certificate no. TEC/MRA/CAB/IND-D/79 dated 17.12.2021**
2. Your application for enhancement of Scope of CAB Designation vide Application dated 09.10.2023 received in TEC on dated 17.10.2023 in offline mode.

This is in reference to your application for enhancement of Scope of CAB Designation of Certificate No. TEC/MRA/CAB/IND-D/79 dated 17.12.2021, valid upto 16.12.2024, submitted vide Application dated 09.10.2023 received in TEC on dated 17.10.2023 in offline mode.

2. In reference to Clause No. 11.2 of TEC CAB Designation Scheme TEC 04019:2023, the Scope of Designation of CAB Certificate no. referred above is hereby enhanced in respect of test parameters as per detail mentioned in Annexure attached.
3. All other details, terms and conditions and validity of CAB Designation Certificate no. TEC/MRA/CAB/IND-D/79 dated 17.12.2021 shall remain unchanged.
4. This is issued with the approval of Competent Authority.

Signed by Vijay Dixit
Date: 23-02-2024 16:36:43

Encl: as above.

(Vijay Dixit)
Director (CA), TEC

Copy to:

1. DDG (TC), TEC, New Delhi for kind information and necessary action
2. DDG (NR)/DDG(ER)/DDG (WR)/DDG (SR) TEC for kind information

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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/S EMC Lab, ITI Limited, Bangalore
F-53, Telecom Test Labs, ITI Limited,
Doorvaninagar, Bangalore-560 016

Certificate Number: TEC/MRA/CAB/IND-D/79

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Validity: 17/12/2021 to 16/12/2024

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
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1.	Audio/Video, Information and Communication Technology Equipment	Mechanical Strength Test Clause-Annex- T1, T2, T3, T4 and T5	IEC 62368-1
		IR Test Clause- 5.4.10.3	IEC 62368-1
		Drop Test Clause-4.4.3.3, Annex- T7	IEC 62368-1
		Enclosure Impact Test Annex-T6	IEC 62368-1
		Glass Impact Test Annex-T9	IEC 62368-1
		Equipment for direct insertion into Main Socket Outlet Clause- 4.7.3	IEC 62368-1
		Equipment Mounted to a Wall or Ceiling Clause- 8.7	IEC 62368-1
		Humidity Conditioning Clause- 5.4.8	IEC 62368-1
		Mandrel Test Clause- 5.4.4.6.5	IEC 62368-1
		Prospective Touch Voltage Clause- 5.7	IEC 62368-1
		Touch Current Clause- 5.7	IEC 62368-1
		Protective Conductor Current Clause- 5.7	IEC 62368-1
		Relocation Stability Clause- 8.6.3	IEC 62368-1

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Certificate Number: TEC/MRA/CAB/IND-D/79

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Validity: 17/12/2021 to 16/12/2024

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
	Audio/Video, Information and Communication Technology Equipment	Static Stability Clause- 8.6.2	IEC 62368-1
		Stress Relief Test Clause- 4.8.4.2	IEC 62368-1
		Thermoplastic Material Test Clause- 4.4.3.8, Annex-T8	IEC 62368-1
		Ball Pressure Test Clause- 5.4.1.10.3	IEC 62368-1
		Chord Anchorage Test Clause- 7.3.2.1	IEC 62368-1
		Circuit Intended for Interconnection with Building Wiring Clause-Annex Q	IEC 62368-1
		Humidity Treatment Clause- 5.4.1.3	IEC 62368-1
		Electric Strength Test Clause-5.4.9	IEC 62368-1
		Input Test Clause-Annex. B 2.5	IEC 62368-1
		Maximum Operating Temperature Clause- 5.4.1.4	IEC 62368-1
		Steady State Test (Electrical Strength Test) Clause- 5.4.10.2.3	IEC 62368-1
		Horizontal Force Test Clause- 8.6.5	IEC 62368-1
		Impact Test/ Enclosure Impact Test Clause- 4.8.4.5	IEC 62368-1

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Certificate Number: TEC/MRA/CAB/IND-D/79

Page 3 of 3

Validity: 17/12/2021 to 16/12/2024

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
	Audio/Video, Information and Communication Technology Equipment	Impact Test/ Enclosure Impact Test Clause- 4.8.4.5, Clause-4.4.3.4, Annex T6	IEC 62368-1
2.	EMI/EMC testing of Telecom Equipment:	DC Voltage Dips and Short Interruptions IEC 61000-4-29	TEC/SD/DD/ EMC-221/05/ OCT-16

Signed by Sanjay Bhardwaj

Date: 23-02-2024 16:57:57

AD (CA), TEC

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