



GOVERNMENT OF INDIA
TELECOMMUNICATION ENGINEERING CENTRE
(Department of Telecommunications)
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi-110001

CERTIFICATE OF DESIGNATION

Certificate No. TEC/MRA/CAB/IND-D/7-II

Dated: 09.01.2020

This is to certify that **M/s Tarang Labs, Wipro Limited, Bangalore** has qualified the criteria for designation as CONFORMITY ASSESSMENT BODY (CAB), as described below, to carry out product testing activities specified in the Annexure-I subject to the terms and conditions specified in Annexure-II.

CAB DESCRIPTION

Name of CAB : **M/s Tarang Labs, Wipro Limited, Bangalore**

Address of CAB : Survey No. 70, 77, 78/8A, Doddakkanelli, Sarjapur Road
Bangalore-560035 (Karnataka)

CAB Identification : IND007

Date of Issue : 09.01.2020

Date of Expiry : Valid upto 17.11.2022 or till the continued validity of
Certificate issued by NABL, whichever is earlier.


09/01/2020

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



Annexure-I Certificate No: TEC/MRA/CAB/IND-D/7-II dated 09.01.2020 issued to
M/s Tarang Labs, Wipro Limited, Bangalore.

Sl. No.	1	2	3	4
	Telecom Equipment/Product	Type of Testing	Technical Regulation	Date of Designation
1.	Information Technology Equipment –Safety Part-1: General Requirements	All types of testing covered in Technical regulations mentioned in column 3 1. Leakage Current (Clause 5.1) 2. Electric/Dielectric strength (Clause 5.2) 3. Earth bond test (Clause 2.6.3.4) 4. Input current/power test (Clause 1.6.2) 5. Heating/temperature (Clause 4.5) 6. Ball pressure (Clause 4.5.5) 7. Steady force (Clause 4.2.2 to 4.2.4) 8. Drop test (Clause 4.2.6) 9. Inclined plane test (Clause 4.1) 10. Abnormal operation/fault condition test (Clause 5.3) 11. Accessibility test (Clause 2.1) 12. Creepage and clearance (Clause 2.10) 13. Steel ball impact test (Clause 4.2.5) 14. Capacitor discharge test (Clause 2.1.1.7) 15. Stability (Clause 4.1)	IEC:60950-1:2005+A1:2009+A2:2013	09/01/2020

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		16. Sharp edges and corners (Clause 4.3.1) 17. Push pull force (Clause 2.1, 4.1 & 4.2) 18. Durability & Marking test (Clause 1.7.11) 19. Stress relief test/Resistance to heat (Clause 4.2.7) 20. Cord anchorages and Strain relief (Clause 3.2.6)		
2.	EMI/EMC Testing of telecom equipment	All types of testing covered in Technical regulations mentioned in column 3 1. Conducted Emission Test CISPR 11 (Edition 6.1) 2015+AMD1:2016-06 2. Conducted Emission Test CISPR 22 (Edition 6.0) (2008-09) 3. Radiated Emission Test CISPR 11 (Edition 6.0) 2015+AMD1:2016, CISPR 11 (Edition 6.1) 2015+AMD1:2016-06 CSV 4. Radiated Emission Test CISPR 22 (Edition 6.0) (2008-09) 5. Electrostatic Discharge Immunity Test IEC 61000-4-2 (Edition 2.0) (2008-12) 6. Radiated RF Electromagnetic Field Immunity Test IEC 61000-4-3 (Edition 3.2) Console with AMD 1 & 2(2010-04) 7. Electrical Fast Transients (EFT) Test IEC 61000-4-4 (Edition 3.0) (2012-04) 8. Surge immunity Test IEC 61000-4-5 (Edition 3.0) (2014-05)	TEC/SD/DD/EM C-221/05/OCT-16	09/01/2020

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		<p>9. RF Conducted Immunity Test IEC 61000-4-6 (Edition 4.0) (2013-10)</p> <p>10. Supply Voltage dips & interruptions Immunity Test IEC 61000-4-11 (Edition 2.0) (2004- 03)</p>		
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Annexure-II Certificate No: TEC/MRA/CAB/IND-D/7-II dated 09.01.2020 issued to
M/s Tarang Labs, Wipro Limited, Bangalore.

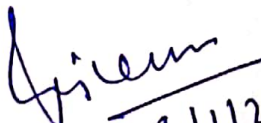
Terms & Conditions

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 other 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.
9. It shall notify the DA in writing of occurrence of any of the following incident(s) within 2 weeks of its occurrence


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- 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

*Applicable only if recognized by MRA (Mutual Recognition Agreement) partner.

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

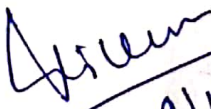
As and when required, DA shall conduct surveillance assessments and other non-routine assessments on the Designated CABs to ensure that standards of practices are maintained as well as to investigate complaints made against them.

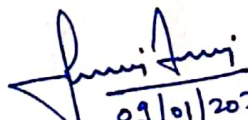
D. SUSPENSION OR WITHDRAWAL OF DESIGNATION

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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