



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/58

Dated: 29.08.2019

This is to certify that **M/s Hi Physix Laboratory India Pvt Ltd, Pune** 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 Hi Physix Laboratory India Pvt Ltd, Pune**  
Address of CAB : **B-32/1/2, M. I. D. C. Industrial Area, Ranjangaon, Pune-412220**  
CAB Identification : **IND058**  
Date of Issue : **29.08.2019**  
Date of Expiry : **3 Years from date of issue of this certificate or till the continued validity of Certificate issued by NABL, whichever is earlier.**


  
29.08.2019

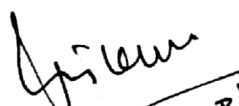
Kamal Bhagat  
Deputy Director General (MRA)  
For Designating Authority  
TEC



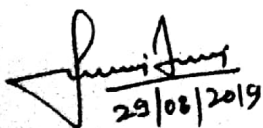
**Annexure-I** Certificate No: TEC/MRA/CAB/IND-D/58 dated 29.08.2019 issued to  
**M/s Hi Physix Laboratory India Pvt Ltd, Pune.**

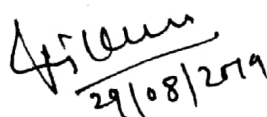
Sl. No.	1	2	3	4
	Telecom Equipment/Product	Type of Testing	Technical Regulation	Date of Designation
1.	Information Technology Equipment- Safety Requirements	All types of testing covered in Technical regulations mentioned in column 3 only for following tests:  1 Verification of component [Clause 1.5 (except 1.5.3, 1.5.6, 1.5.9.1)] 2 Power Interface (Clause 1.6) 3 Verifications of Marking and Instructions (Clause 1.7) 4 Protection from Electric Shock and Energy Hazards (Clause 2.1) 5 SELV Circuits (Clause 2.2) 6 Limited Power Sources (Clause 2.5) 7 Provisions for Earthing and Bonding (Clause 2.6) 8 Over current and Earth Fault Protection in Primary Circuits (Clause 2.7) 9 Safety Interlocks [(Clause 2.8 (except 2.8.5, 2.8.7))] 10 Electric Insulation (Clause 2.9) 11 Clearances, Creepage Distances and Distances through Insulation (Clause 2.10)	IEC 60950-1:2005 & A1: 2009 & A2: 2013	29/08/2019

  
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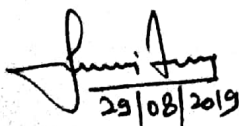
  
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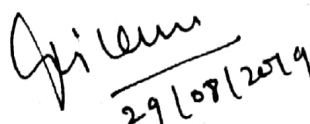
		12 Wiring, Connections and supply- General Requirements (Clause 3.1) 13 Connection to a Main Supply (Clause 3.2) 14 Wiring Terminals for External Conductors (Clause 3.3) 15 Disconnection for the Main Supply (Clause 3.4) 16 Interconnection of Equipment (Clause 3.5) 17 Stability (Clause 4.1) 18 Mechanical Strength [(Clause 4.2 (except 4.2.8))] 19 Verification of Design and Construction [(Clause 4.3 (except 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5))] 20 Protection against Hazardous Moving Parts (Clause 4.4) 21 Thermal Requirements (Clause 4.5) 22 Opening in Enclosures (Clause 4.6) 23 Resistance to fire (Clause 4.7) 24 Electrical Requirements and Simulated Abnormal Conditions- Touch current and protective conductor current (Clause 5.1) 25 Electric Strength Test (Clause 5.2) 26 Abnormal operation and fault conditions (Clause 5.3) 27 Connection to the telecommunication network (Clause 6)		
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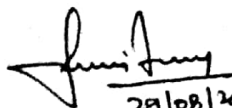
  
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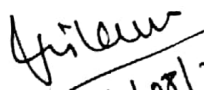
		28 Connection to cable distribution systems (Clause 7)		
2.	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium system)- Safety Requirement	<p>All types of testing covered in Technical regulations mentioned in column 3 only for following tests:</p> <ol style="list-style-type: none"> <li>1 External Short Circuit (cell) (Clause 7.3.1)</li> <li>2 External Short Circuit (Battery) (Clause 7.3.2)</li> <li>3 Free Fall (Clause 7.3.3)</li> <li>4 Thermal Abuse (Clause 7.3.4)</li> <li>5 Crush (cells) (Clause 7.3.5)</li> <li>6 Overcharging of Battery (Clause 7.3.6)</li> <li>7 Forced Discharge (Clause 7.3.7)</li> </ol>	IEC 62133-2:2017	29/08/2019
3.	Tubular Valve Regulated Lead Acid (VRLA) Batteries based on gel technology	<p>All types of testing covered in Technical regulations mentioned in column 3 only for following tests:</p> <ol style="list-style-type: none"> <li>1 Test for capacity (Clause 1.3.1)</li> <li>2 Charging (Clause 1.3.2)</li> <li>3 Float Voltage (for battery) (Clause 1.3.3)</li> <li>4 Voltage during Discharge (Clause 1.3.4)</li> <li>5 Transient Response (Clause 1.3.6)</li> <li>6 Loss of capacity during storage (Clause 1.3.7)</li> <li>7 Ampere-Hour Efficiency (Clause 1.3.8)</li> <li>8 Watt-hour efficiency (Clause 1.3.9)</li> </ol>	TEC/GR/TX/BAT-003/02/MAR-2011	29/08/2019

  
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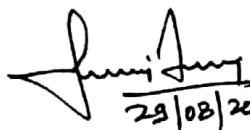
  
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		9 Short Circuit Test Apparatus (Clause 1.3.10) 10 Cell Matching (A) Voltage & Capacity Matching (B) Conductance matching (Clause 1.3.11) 11 Service Life or ageing Test (Clause 1.3.12) 12 Partial Test of charge Test (Clause 1.3.13) 13 Thermal runaway (Clause 1.4.8) 14 Fire Retardant (Clause 1.4.9)		
4.	Valve Regulated Lead Acid Batteries	All types of testing covered in Technical regulations mentioned in column 3 only for following tests:  1 Thermal runaway Test (Clause 1.4.8) 2 Fire Retardant (Clause 1.4.9) 3 Test for capacity (Clause 5.1) 4 Charging (Clause 5.2) 5 Float Voltage (for battery) (Clause 5.3) 6 Voltage during Discharge (Clause 5.4) 7 Transient Response (Clause 5.6) 8 Loss of capacity during storage (Clause 5.7) 9 Ampere-Hour Efficiency (Clause 5.8) 10 Watt-hour efficiency (Clause 5.9) 11 Short Circuit Test (Clause 5.10)	TEC/GR/TX/ BAT- 001/04/JUN- 2011	29/08/2019

  
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		12 Cell Matching (A) Voltage & Capacity Matching (B) Conductance matching (Clause 5.11)		
		13 Service Life or ageing Test (Clause 5.12)		

  
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**Annexure-II** Certificate No: TEC/MRA/CAB/IND-D/58 dated 29.08.2019 issued to  
**M/s Hi Physix Laboratory India Pvt Ltd, Pune.**

**Terms & Conditions**

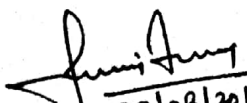
This certificate is issued as per the terms and conditions stipulated in the TEC SCHEME FOR DESIGNATING DOMESTIC CONFORMITY ASSESEMENT BODIES AND CERTIFICATION BODIES FOR CONFORMITY ASSESEMENT AND CERTIFICATION OF TELECOMMUNICATION EQUIPMENT ISSUE 2 NO. TEC/DES-01/02.DEC.2017.

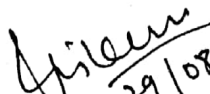
Some of the conditions are reiterated as under:

**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.
9. It shall notify the DA in writing of occurrence of any of the following incidence 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**

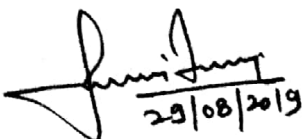
As and when required, DA shall conduct surveillance assessments and other non-routine assessments on the Designated CABs to ensure that standards of practices are maintained as well as to investigate complaints made against them.

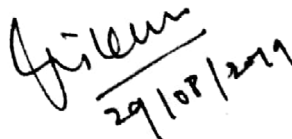
## **D. SUSPENSION OR WITHDRAWAL OF DESIGNATION**

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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