



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 Hi Physix Laboratory India Pvt. Ltd., Pune
has been assessed and designated as Conformity Assessment Body (CAB)
for its facilities at

B-32/1/2, MIDC, Industrial Area, Ranjangaon, Pune- 412 220

In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/58

Issue Date: 29/08/2022

Valid Until: 28/08/2025

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 (MTCTE)
For Designating Authority
TEC

Certificate No: TEC/MRA/CAB/IND-D/58 dated 29/08/2022 issued to
M/s Hi Physix Laboratory India Pvt. Ltd., Pune
B-32/1/2, MIDC, Industrial Area, Ranjangaon, Pune- 412 220



Validity: - 29/08/2022 to 28/08/2025

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.



SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s Hi Physix Laboratory India Pvt. Ltd., Pune
B-32/1/2, MIDC, Industrial Area, Ranjangaon,
Pune- 412 220

Certificate Number: TEC/MRA/CAB/IND-D/58

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Validity: 29/08/2022 to 28/08/2025

Last Amended on: ____

| Sl. No. | Telecom Equipment/Product | Test Parameter or Type of Testing | Standard/ Specification |
|---------|---------------------------|-----------------------------------|-------------------------|
|---------|---------------------------|-----------------------------------|-------------------------|

| | | | |
|----|--|--|--|
| 1. | Information Technology Equipment- Safety Requirements | Verification of Component Clause-1.5 (except 1.5.3, 1.5.6, 1.5.9.1) | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | | Power Interface Clause-1.6 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | | Verification of Marking and Instructions Clause-1.7 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | | Protection from Electric Shock and Energy Hazards Clause-2.1 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | | SELV Circuits Clause-2.2 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | | Limited Power Sources Clause-2.5 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | | Provision for Earthing and Bonding Clause-2.6 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | | Over Current and Earth Fault Protection in Primary Circuits Clause-2.7 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |



Director (CA), TEC



AD (CA), TEC

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| Sl. No. | Telecom Equipment/Product | Test Parameter or Type of Testing | Standard/ Specification |
|---------|--|--|--|
| | Information Technology Equipment- Safety Requirements | Safety Interlocks Clause-2.8 (except 2.8.5, 2.8.7) | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | | Electric Insulation Clause- 2.9 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | | Clearances, Creepage Distances and distances through insulation Clause- 2.10 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | | Wiring Connection and Supply- General Requirements Clause- 3.1 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | | Connection to a Main Supply Clause- 3.2 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | | Wiring Terminals for External Conductors Clause- 3.3 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | | Disconnection from the Main Supply Clause- 3.4 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | | Interconnection of Equipment Clause- 3.5 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | | Stability Clause- 4.1 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |



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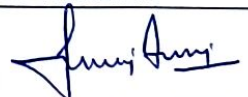
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|---------|---------------------------|-----------------------------------|-------------------------|
|---------|---------------------------|-----------------------------------|-------------------------|

| | | |
|---|---|--|
| Information Technology Equipment- Safety Requirements | Mechanical Strength Clause- 4.2 (except 4.2.8) | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | 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) | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | Protection against Hazardous Moving Parts Clause-4.4 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | Thermal Requirements Clause-4.5 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | Opening in Enclosure Clause-4.6 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | Resistance to Fire Clause-4.7 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | Electrical Requirements and Simulated Abnormal Conditions- Touch Current and Protective Conductor Current Clause-5.1 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | Electric Strength Test Clause-5.2 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |


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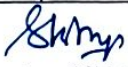
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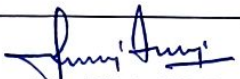
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Last Amended on: ____

| Sl. No. | Telecom Equipment/Product | Test Parameter or Type of Testing | Standard/ Specification |
|---|--|---|--|
| | Information Technology Equipment- Safety Requirements | Abnormal Operation and Fault Condition Clause-5.3 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | | Connections to telecommunication network Clause-6.0 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| | | Connections to Cable distributions system Clause-7.0 | IEC 60950-1: 2005+ A1: 2009+A2:2013 |
| 2. Secondary cells and batteries containing alkaline or other non-acid Electrolytes-Safety Requirement | 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 | |
| | Crush (Cells) Clause-7.3.5 | IEC 62133-2: 2017 | |
| | Overcharging of Battery Clause-7.3.6 | IEC 62133-2: 2017 | |
| | Forced Discharge Clause-7.3.7 | IEC 62133-2: 2017 | |


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| Sl. No. | Telecom Equipment/Product | Test Parameter or Type of Testing | Standard/ Specification |
|---------|---|--|-------------------------------|
| 3. | Tubular Valve Regulated Lead Acid (VRLA) Batteries based on Gel technology | Test for Capacity Clause-1.3.1 | TEC/GR/TX/BAT-003/ 02 MAR2011 |
| | | Charging Clause-1.3.2 | TEC/GR/TX/BAT-003/ 02 MAR2011 |
| | | Float Voltage (for Battery) Clause-1.3.3 | TEC/GR/TX/BAT-003/ 02 MAR2011 |
| | | Voltage during Discharge Clause-1.3.4 | TEC/GR/TX/BAT-003/ 02 MAR2011 |
| | | Transient Response Clause-1.3.6 | TEC/GR/TX/BAT-003/ 02 MAR2011 |
| | | Loss of Capacity during Storage Clause-1.3.7 | TEC/GR/TX/BAT-003/ 02 MAR2011 |
| | | Ampere-Hour Efficiency Clause-1.3.8 | TEC/GR/TX/BAT-003/ 02 MAR2011 |
| | | Watt-hour Efficiency Clause-1.3.9 | TEC/GR/TX/BAT-003/ 02 MAR2011 |
| | | Short Circuit Test Apparatus Clause-1.3.10 | TEC/GR/TX/BAT-003/ 02 MAR2011 |
| | | Cell Matching (A) Voltage & Capacity Matching (B) Conductance matching Clause-1.3.11 | TEC/GR/TX/BAT-003/ 02 MAR2011 |


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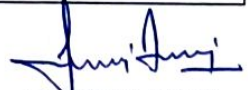
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| Sl. No. | Telecom Equipment/Product | Test Parameter or Type of Testing | Standard/ Specification |
|---------|---|--|--------------------------------|
| | Tubular Valve Regulated Lead Acid (VRLA) Batteries based on Gel technology | Service Life or Ageing Test Clause-1.3.12 | TEC/GR/TX/BAT-003/ 02 MAR2011 |
| | | Partial Test of Charge Test Clause-1.3.13 | TEC/GR/TX/BAT-003/ 02 MAR2011 |
| | | Thermal Runway Clause- 1.4.8 | TEC/GR/TX/BAT-003/ 02 MAR2011 |
| | | Fire Retardant Clause- 1.4.9 | TEC/GR/TX/BAT-003/ 02 MAR2011 |
| 4. | Valve Regulated Lead Acid Batteries | Thermal Runway Test Clause- 1.4.8 | TEC/GR/TX/BAT-001/04 JUNE-2011 |
| | | Fire Retardant Clause- 1.4.9 | TEC/GR/TX/BAT-001/04 JUNE-2011 |
| | | Test for Capacity Clause- 5.1 | TEC/GR/TX/BAT-001/04 JUNE-2011 |
| | | Charging Clause- 5.2 | TEC/GR/TX/BAT-001/04 JUNE-2011 |
| | | Float Voltage (for Battery) Clause- 5.3 | TEC/GR/TX/BAT-001/04 JUNE-2011 |
| | | Voltage during Discharge Clause- 5.4 | TEC/GR/TX/BAT-001/04 JUNE-2011 |
| | | Transient Response Clause- 5.6 | TEC/GR/TX/BAT-001/04 JUNE-2011 |


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| Sl. No. | Telecom Equipment/Product | Test Parameter or Type of Testing | Standard/ Specification |
|---------|--|--|--------------------------------|
| | Valve Regulated Lead Acid Batteries | Loss of Capacity during Storage Clause- 5.7 | TEC/GR/TX/BAT-001/04 JUNE-2011 |
| | | Ampere-Hour Efficiency Clause- 5.8 | TEC/GR/TX/BAT-001/04 JUNE-2011 |
| | | Watt-hour Efficiency Clause- 5.9 | TEC/GR/TX/BAT-001/04 JUNE-2011 |
| | | Short Circuit Test Clause- 5.610 | TEC/GR/TX/BAT-001/04 JUNE-2011 |
| | | Cell Matching (A) Voltage & Capacity Matching (B) Conductance matching Clause- 5.11 | TEC/GR/TX/BAT-001/04 JUNE-2011 |
| | | Service Life or Ageing Test Clause- 5.12 | TEC/GR/TX/BAT-001/04 JUNE-2011 |



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