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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-110001

CERTIFICATE OF DESIGNATION

M/s Sunren Telecom Laboratory, Mumbai
has been assessed and designated as Conformity Assessment Body (CAB)
for its facilities at

C-475, TTC Industrial Area, MIDC Pawane, Navi Mumbai, Maharashtra-400 705

In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/68-II

Issue Date: 01/01/2026 **Validity: 06/01/2026 to 05/01/2029**

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

Digitally signed by
Sanjeev Kumar Arya
Date: 01-01-2026
17:11:07

Sanjeev Kumar Arya
Director (CA)
For Designating Authority
TEC

Certificate No: TEC/MRA/CAB/IND-D/68-II dated 01/01/2026 issued to
M/s Sunren Telecom Laboratory, Mumbai
C-475, TTC Industrial Area, MIDC Pawane,
Navi Mumbai, Maharashtra-400 705

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Validity: - 06/01/2026 to 05/01/2029

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 3 NO. TEC 04019:2023.

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 recognized 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 Organizational 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.

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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: **M/s Sunren Telecom Laboratory, Mumbai**
C-475, TTC Industrial Area, MIDC Pawane, Navi Mumbai, Maharashtra-400 705

Certificate Number: TEC/MRA/CAB/IND-D/68-II **Page 1 of 3**

Validity: 06/01/2026 to 05/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
1.	**EMI/EMC testing of Telecom Products**	Conducted Emission Test CISPR 32	TEC/SD/DD/EMC-221/OCT-16
2.	**Audio, video and similar electronic apparatus – Safety requirements**	Clearances and Creepage Distances Clause 13	IEC 60065:2014
		Components (Verification of reports as per relevant Standards) Clause 14	IEC 60065:2014
		Constructional Requirements with regard to the Protection against Electric Shock Clause 8	IEC 60065:2014
		Electric Shock hazard under normal Operating Condition Clause 9.1, 9.2	IEC 60065:2014
		Electrical Connection and Mechanical fixings Clause 17	IEC 60065:2014
		Fault Conditions Clause 11	IEC 60065:2014
		Heating under normal Operating Conditions-General Clause 7.1	IEC 60065:2014
		Heating under normal Operating Conditions Heat Resistance of insulating material Clause 7.2	IEC 60065:2014
		Input Rating Clause 4.2 & 5.1	IEC 60065:2014
		Insulation resistance and dielectric strength Clause 10.4	IEC 60065:2014

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Validity: 06/01/2026 to 05/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Audio, video and similar electronic apparatus – Safety requirements	Marking & Instructions-Identification & supply rating Clause 5.1, 5.3, 5.4, 5.5		IEC 60065:2014
		Mechanical Strength Clause 12.6		IEC 60065:2014
		Stability and Mechanical hazards Clause 19		IEC 60065:2014
		Terminals Clause 15		IEC 60065:2014
3.	**Equipment operating in 2.4 GHz, 5 GHz frequency bands**	**Parameters link with Product Variant**	IPV6 Extn Header Parameters RFC 2460, RFC 8200	TEC ER No. TEC 59432407
			IPV6 Header Parameters RFC 2460, RFC 8200	TEC ER No. TEC 59432407
		Interface: Wi-Fi	EIRP (Conducted) ETSI EN 300 328	TEC ER No. TEC 59432407
			Frequency Range / Frequency Stability/ Frequency of Operation ETSI EN 300 328	TEC ER No. TEC 59432407
			6 dB & 20 dB Bandwidth/ TX Occupied bandwidth/ Carrier bandwidth ETSI EN 300 328	TEC ER No. TEC 59432407
			Accumulated Transmit Time, Frequency Operation and Hopping Sequence ETSI EN 300 328	TEC ER No. TEC 59432407

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Validity: 06/01/2026 to 05/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	Equipment operating in 2.4 GHz, 5 GHz frequency bands	**Interface: Wi-Fi**	
		Adaptivity ETSI EN 300 328	TEC ER No. TEC 59432407
		Duty Cycle, Tx sequence, Tx gap ETSI EN 300 328	TEC ER No. TEC 59432407
		Geolocation Capability ETSI EN 300 328	TEC ER No. TEC 59432407
		Hopping Frequency Separation ETSI EN 300 328	TEC ER No. TEC 59432407
		Medium Utilization Factor ETSI EN 300 328	TEC ER No. TEC 59432407
		Power Spectral Density ETSI EN 300 328	TEC ER No. TEC 59432407
		Receiver Blocking ETSI EN 300 328	TEC ER No. TEC 59432407
		Receiver Spurious Emission (Conducted) ETSI EN 300 328	TEC ER No. TEC 59432407
		Transmitted unwanted Emission in OOB Domain (Conducted) ETSI EN 300 328	TEC ER No. TEC 59432407
		Transmitted unwanted Emission in the spurious domain (Conducted) ETSI EN 300 328	TEC ER No. TEC 59432407
		EIRP (Conducted) ETSI EN 301 893	TEC ER No. TEC 59432407

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Certificate Number: TEC/MRA/CAB/IND-D/68-II **Page 4 of 3**

Validity: 06/01/2026 to 05/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Equipment operating in 2.4 GHz, 5 GHz frequency bands	**Interface: Wi-Fi**	Frequency Range / Frequency Stability/ Frequency of Operation ETSI EN 301 893	TEC ER No. TEC 59432407
			6 dB & 20 dB Bandwidth/ TX Occupied bandwidth/ Carrier bandwidth ETSI EN 301 893	TEC ER No. TEC 59432407
			Adaptivity ETSI EN 301 893	TEC ER No. TEC 59432407
			Geolocation Capability ETSI EN 301 893	TEC ER No. TEC 59432407
			Peak Power/ EIRP/ ERP/ Output Power/ Maximum Transmit Power (Conducted) ETSI EN 301 893	TEC ER No. TEC 59432407
			Power Spectral Density ETSI EN 301 893	TEC ER No. TEC 59432407
			Receiver Blocking ETSI EN 301 893	TEC ER No. TEC 59432407
			Receiver Spurious Emission (Conducted) ETSI EN 301 893	TEC ER No. TEC 59432407
			Carrier Frequencies ETSI EN 301 893	TEC ER No. TEC 59432407
			Designation of Centre Frequencies and frequency error ETSI EN 301 893	TEC ER No. TEC 59432407

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	Equipment operating in 2.4 GHz, 5 GHz frequency bands	**Interface: Wi-Fi**	
		Dynamic Frequency Selection (DFS) ETSI EN 301 893	TEC ER No. TEC 59432407
		Nominal and occupied, channel bandwidth ETSI EN 301 893	TEC ER No. TEC 59432407
		RF output power, Transmit power control (TPC), Power Density ETSI EN 301 893	TEC ER No. TEC 59432407
		Transmitted unwanted Emission outside the 5 GHz RLAN bands (Conducted) ETSI EN 301 893	TEC ER No. TEC 59432407
		Transmitted unwanted Emission within the 5 GHZ RLAN bands (Conducted) ETSI EN 301 893	TEC ER No. TEC 59432407
		EIRP (Conducted) ETSI EN 302 502	TEC ER No. TEC 59432407
		Frequency Range / Frequency Stability/ Frequency of Operation ETSI EN 302 502	TEC ER No. TEC 59432407
		6 dB & 20 dB Bandwidth/ TX Occupied bandwidth/ Carrier bandwidth ETSI EN 302 502	TEC ER No. TEC 59432407
		Adaptivity ETSI EN 302 502	TEC ER No. TEC 59432407

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Certificate Number: TEC/MRA/CAB/IND-D/68-II **Page 6 of 3**

Validity: 06/01/2026 to 05/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	Equipment operating in 2.4 GHz, 5 GHz frequency bands	**Interface: Wi-Fi**	
		Geolocation Capability ETSI EN 302 502	TEC ER No. TEC 59432407
		Peak Power/ EIRP/ ERP/ Output Power/ Maximum Transmit Power ETSI EN 302 502	TEC ER No. TEC 59432407
		Power Spectral Density ETSI EN 302 502	TEC ER No. TEC 59432407
		Receiver Blocking ETSI EN 302 502	TEC ER No. TEC 59432407
		Receiver Spurious Emission (Conducted) ETSI EN 302 502	TEC ER No. TEC 59432407
		Carrier Frequencies ETSI EN 302 502	TEC ER No. TEC 59432407
		Designation of Centre Frequencies and frequency error ETSI EN 302 502	TEC ER No. TEC 59432407
		Dynamic Frequency Selection (DFS) ETSI EN 302 502	TEC ER No. TEC 59432407
		Nominal and occupied, channel bandwidth ETSI EN 302 502	TEC ER No. TEC 59432407
		RF output power, Transmit power control (TPC), Power Density ETSI EN 302 502	TEC ER No. TEC 59432407

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Certificate Number: TEC/MRA/CAB/IND-D/68-II **Page 7 of 3**

Validity: 06/01/2026 to 05/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Equipment operating in 2.4 GHz, 5 GHz frequency bands	**Interface: Wi-Fi**	Transmitted unwanted Emission outside the 5 GHz RLAN bands (Conducted) ETSI EN 302 502	TEC ER No. TEC 59432407
			Transmitted unwanted Emission within the 5 GHZ RLAN bands (Conducted) ETSI EN 302 502	TEC ER No. TEC 59432407
4.	**Point of Sale Devices**	**Interface: GSM or GPRS or EDGE**	Frequency of Operation Latest NFAP issued by WPC	TEC ER No. TEC17672407
			Transmitter Maximum output power for GSM 3GPP TS 51 010-1 Clause 13.3 EN 301 511 (GSM) Clause 4.2.5	TEC ER No. TEC17672407
			Transmitter Maximum output power for GPRS/EDGE 3GPP TS 51 010-1 Clause 13.16.2 EN 301 511 (GSM) Clause 4.2.10	TEC ER No. TEC17672407
			Output RF Spectrum for GSM 3GPP TS 51 010-1 Clause 13.4 EN 301 511 (GSM) Clause 4.2.6	TEC ER No. TEC17672407

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Certificate Number: TEC/MRA/CAB/IND-D/68-II **Page 8 of 3**

Validity: 06/01/2026 to 05/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	Point of Sale Devices	**Interface: GSM or GPRS or EDGE**	
		Output RF Spectrum for GPRS/EDGE 3GPP TS 51 010-1 Clause 13.16.3 EN 301 511 (GSM) Clause 4.2.11	TEC ER No. TEC17672407
		Spurious emissions (MS allocated a channel) 3GPP TS 51 010-1 Clause 12.1.1 EN 301 511 (GSM) Clause 4.2.12	TEC ER No. TEC17672407
		Spurious emission (MS in idle mode) 3GPP TS 51 010-1 Clause 12.1.2 EN 301 511 (GSM) Clause 4.2.13	TEC ER No. TEC17672407
		Frequency Error and Phase error for GSM 3GPP TS 51 010-1 Clause 13.1 EN 301 511 (GSM) Clause 4.2.1	TEC ER No. TEC17672407
		Frequency Error and Phase error for GPRS/EDGE 3GPP TS 51 010-1 Clause 13.16.1 EN 301 511 (GSM) Clause 4.2.4	TEC ER No. TEC17672407

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Certificate Number: TEC/MRA/CAB/IND-D/68-II **Page 9 of 3**

Validity: 06/01/2026 to 05/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Point of Sale Devices	**Interface: GSM or GPRS or EDGE**	Reference sensitivity level (speech channels) 3GPP TS 51 010-1 Clause 14.2.1 EN 301 511 (GSM) Clause 4.2.42	TEC ER No. TEC17672407
			Adjacent Channel Rejection (speech channels) 3GPP TS 51 010-1 Clause 14.5.1 EN 301 511 (GSM) Clause 4.2.38	TEC ER No. TEC17672407
			Receiver blocking 3GPP TS 51 010-1 Clause 14.7.1 EN 301 511 (GSM) Clause 4.2.20	TEC ER No. TEC17672407
		Interface : LTE or LTE-A	Frequency of Operation Latest NFAP issued by WPC	TEC ER No. TEC17672407
			Maximum output power 3GPP TS 36.521-1 Clause 6.2.2 EN 301 908-13 (LTE) Clause 4.2.2.1	TEC ER No. TEC17672407
			Spectrum emissions mask 3GPP TS 36.521-1 Clause 6.6.2.1 EN 301 908-13 (LTE) Clause 4.2.3.1	TEC ER No. TEC17672407

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Certificate Number: TEC/MRA/CAB/IND-D/68-II **Page 10 of 3**

Validity: 06/01/2026 to 05/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Point of Sale Devices	**Interface : LTE or LTE-A**	Spurious emissions 3GPP TS 36.521-1 Clauses 6.6.3.1, 6.6.3.2, 6.6.3.3 EN 301 908-13 (LTE) Clause 4.2.4.1	TEC ER No. TEC17672407
			Receiver spurious emission 3GPP TS 36.521-1 Clause 7.9 EN 301 908-13 (LTE) Clause 4.2.10	TEC ER No. TEC17672407
			Receiver Reference Sensitivity level 3GPP TS 36.521-1 Clause 7.3 EN 301 908-13 (LTE) Clause 4.2.12	TEC ER No. TEC17672407
			Receiver Adjacent Channel Selectivity (ACS) 3GPP TS 36.521-1 Clause 7.5 EN 301 908-13 (LTE) Clause 4.2.6.1	TEC ER No. TEC17672407
			Receiver In-band blocking 3GPP TS 36.521-1 Clause 7.6.1 EN 301 908-13 (LTE) Clause 4.2.7.1	TEC ER No. TEC17672407
		Interface: WCDMA or HSPA	Frequency of Operation Latest NFAP issued by WPC	TEC ER No. TEC17672407

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Certificate Number: TEC/MRA/CAB/IND-D/68-II **Page 11 of 3**

Validity: 06/01/2026 to 05/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Point of Sale Devices	**Interface: WCDMA or HSPA**	Transmitter Maximum output power 3GPP TS 34.121-1 Clause 5.2 EN 301 908-2 (UMTS) Clause 4.2.2.1	TEC ER No. TEC17672407
			Transmitter Spectrum emissions mask 3GPP TS 34.121-1 Clause 5.9 EN 301 908-2 (UMTS) Clause 4.2.3.1	TEC ER No. TEC17672407
			Transmitter spurious emissions 3GPP TS 34.121-1 Clause 5.11 EN 301 908-2 (UMTS) Clause 4.2.4.1	TEC ER No. TEC17672407
			Receiver spurious emission 3GPP TS 34.121-1 Clause 6.8 EN 301 908-2 (UMTS) Clause 4.2.10	TEC ER No. TEC17672407
			Transmitter Minimum Output Power 3GPP TS 34.121-1 Clause 5.4.3 EN 301 908-2 (UMTS) Clause 4.2.5.1	TEC ER No. TEC17672407

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Validity: 06/01/2026 to 05/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Point of Sale Devices	**Interface: WCDMA or HSPA**	Receiver Reference sensitivity level 3GPP TS 34.121-1 Clause 6.2 EN 301 908-2 (UMTS) Clause 4.2.13	TEC ER No. TEC17672407
			Receiver Adjacent Channel Selectivity (ACS) 3GPP TS 34.121-1 Clause 6.4 EN 301 908-2 (UMTS) Clause 4.2.6	TEC ER No. TEC17672407
			Receiver In-band blocking 3GPP TS 34.121-1 Clause 6.5.2.1 EN 301 908-2 (UMTS) Clause 4.2.7	TEC ER No. TEC17672407
5.	**LAN Switch**	**Parameters link with Product Variant**	Mac Learning and Packet Forwarding Annex-P11	TEC ER No. TEC37942410
			Manageability SNMP V2 orV3 RFC 3410 3416	TEC ER No. TEC37942410
			Spanning Tree Protocol IEEE 802.1d	TEC ER No. TEC37942410
			Dynamic Routing Annex-P11	TEC ER No. TEC37942410
			Static Routing Annex-P11	TEC ER No. TEC37942410

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C-475, TTC Industrial Area, MIDC Pawane, Navi Mumbai, Maharashtra-400 705

Certificate Number: TEC/MRA/CAB/IND-D/68-II **Page 13 of 3**

Validity: 06/01/2026 to 05/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	LAN Switch	**Parameters link with Product Variant**	IPV4 Parameters Set-D RFC 791, Annex-P11	TEC ER No. TEC37942410
			IPV6 as per RFC 2460 or RFC 8200, Annex-P11	TEC ER No. TEC37942410

Digitally signed by Buddha Priya Rahul
Date: 01-01-2026 17:25:33

AD (CA-II), TEC

***The validity of Certificate is up to 05/01/2029 or the continued validity of NABL Accreditation, whichever is earlier.**

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GOVERNMENT OF INDIA
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TELECOMMUNICATION ENGINEERING CENTRE
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi-110001

CERTIFICATE OF DESIGNATION

M/s Sunren Telecom Laboratory, Mumbai
has been assessed and designated as Conformity Assessment Body (CAB)
for its facilities at

C-475, TTC Industrial Area, MIDC Pawane, Navi Mumbai, Maharashtra-400 705

In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/68-III

Issue Date: 01/01/2026 **Validity: 17/01/2026 to 16/01/2029**

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

Digitally signed by
Sanjeev Kumar Arya
Date: 01-01-2026
17:09:37

Sanjeev Kumar Arya
Director (CA)
For Designating Authority
TEC

Certificate No: TEC/MRA/CAB/IND-D/68-III dated 01/01/2026 issued to
M/s Sunren Telecom Laboratory, Mumbai
C-475, TTC Industrial Area, MIDC Pawane,
Navi Mumbai, Maharashtra-400 705

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Validity: - 17/01/2026 to 16/01/2029

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 3 NO. TEC 04019:2023.

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 recognized 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 Organizational 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.

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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: **M/s Sunren Telecom Laboratory, Mumbai**
C-475, TTC Industrial Area, MIDC Pawane, Navi Mumbai, Maharashtra-400705

Certificate Number: TEC/MRA/CAB/IND-D/68-III **Page 1 of 3**

Validity: 17/01/2026 to 16/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
1.	Smart Camera	Parameters link with Product Variant	IPV4 Parameters RFC 791. Annex-P6	TEC ER No. TEC28822407
			IPV6 Parameters RFC 2460 / 8200. Annex-P7	TEC ER No. TEC28822407
			IoT Dev - Non-0 IMEI or MEID or Unique MAC. Annex-M	TEC ER No. TEC28822407
2.	Smart Watch	Parameters link with Product Variant	IPV4 Parameters RFC 791. Annex-P6	TEC ER No. TEC28982407
			IPV6 Parameters RFC 2460 / 8200. Annex-P7	TEC ER No. TEC28982407
			IoT Dev - Non-0 IMEI or MEID or Unique MAC. Annex-M	TEC ER No. TEC28982407
			GPS Compliance	TEC ER No. TEC28982407
3.	Smart Electricity Meter	Parameters link with Product Variant	IPV4 Parameters RFC 791. Annex-P6	TEC ER No. TEC28362408
			IPV6 Parameters RFC 2460 / 8200. Annex-P7	TEC ER No. TEC28362408
			IoT Dev - Non-0 IMEI or MEID or Unique MAC. Annex-M	TEC ER No. TEC28362408

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(ANNEXURE)

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C-475, TTC Industrial Area, MIDC Pawane, Navi Mumbai, Maharashtra-400705

Certificate Number: TEC/MRA/CAB/IND-D/68-III **Page 2 of 3**

Validity: 17/01/2026 to 16/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
4.	**Tracking Device**	**Parameters link with Product Variant**	IPV6 Extn. Header Parameters RFC 2460, RFC 800	TEC ER No. TEC28732408
			IPV6 Header Parameters RFC 2460, RFC 800	TEC ER No. TEC28732408
			IoT Dev - Non-0 IMEI or MEID or Unique MAC. Annex-M	TEC ER No. TEC28732408
			GPS Compliance	TEC ER No. TEC28732408
5.	**IoT Gateway**	**Parameters link with Product Variant**	IPV4 Parameters RFC 791. Annex-P6	TEC ER No. TEC24492408
			IPV6 Parameters RFC 2460 / 8200. Annex-P7	TEC ER No. TEC24492408
			IoT Dev - Non-0 IMEI or MEID or Unique MAC. Annex-M	TEC ER No. TEC24492408
			GPS Compliance	TEC ER No. TEC24492408
		Interface: Bluetooth Low Energy (BLE)/ ZigBee/ 6LowPAN	Frequency of Operation	TEC ER No. TEC24492408
			Peak Power / EIRP / ERP/ Output Power/ Maximum Transmit Power (Conducted) ETSI EN 300 328 V2.2.2 Clause 5.4.2.2	TEC ER No. TEC24492408
			Power Spectral Density ETSI EN 300 328 V2.2.2 Clause 5.4.3	TEC ER No. TEC24492408

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Certificate Number: TEC/MRA/CAB/IND-D/68-III **Page 3 of 3**

Validity: 17/01/2026 to 16/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	IoT Gateway	**Interface: Bluetooth Low Energy (BLE)/ ZigBee/ 6LowPAN**	Duty cycle, Tx-Sequence, Tx-gap ETSI EN 300 328 V2.2.2 Clause 5.4.2	TEC ER No. TEC24492408
			Accumulated Transmit Time, Frequency occupation and Hopping sequence / TX FHSS ETSI EN 300 328 V2.2.2 Clause 5.4.4	TEC ER No. TEC24492408
			Hopping Frequency Separation ETSI EN 300 328 V2.2.2 Clause 5.4.5	TEC ER No. TEC24492408
			Medium utilization Factor ETSI EN 300 328 V2.2.2 Clause 5.4.2	TEC ER No. TEC24492408
			Adaptivity ETSI EN 300 328 V2.2.2 Clause 5.4.6	TEC ER No. TEC24492408
			Occupied bandwidth / Carrier Bandwidth ETSI EN 300 328 V2.2.2 Clause 5.4.7	TEC ER No. TEC24492408
			Transmitter unwanted emission in the OOB domain (Conducted) ETSI EN 300 328 V2.2.2 Clause 5.4.8	TEC ER No. TEC24492408

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Laboratory Name: **M/s Sunren Telecom Laboratory, Mumbai**
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Certificate Number: TEC/MRA/CAB/IND-D/68-III **Page 4 of 3**

Validity: 17/01/2026 to 16/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	IoT Gateway	**Interface: Bluetooth Low Energy (BLE)/ ZigBee/ 6LowPAN**	Transmitter unwanted emissions in the spurious domain (Conducted) ETSI EN 300 328 V2.2.2 Clause 5.4.9	TEC ER No. TEC24492408
			Receiver spurious emissions (Conducted) ETSI EN 300 328 V2.2.2 Clause 5.4.10	TEC ER No. TEC24492408
			Receiver Blocking ETSI EN 300 328 V2.2.2 Clause 5.4.11.2	TEC ER No. TEC24492408
			Geo location Capability ETSI EN 300 328 V2.2.2 Clause 4.3.1.13 or 4.3.2.12	TEC ER No. TEC24492408
		Interface: LPWAN-LoRa / LPWAN-SigFox	Operating Frequency	TEC ER No. TEC24492408
			EIRP / Maximum Transmit Power ETSI EN 300 220-1 V3.1.1 Clause 5.2.2	TEC ER No. TEC24492408
			Transmitter Unwanted emissions in the spurious domain (Conducted) ETSI EN 300 220-1 V3.1.1 Clause 5.9.3	TEC ER No. TEC24492408

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C-475, TTC Industrial Area, MIDC Pawane, Navi Mumbai, Maharashtra-400705

Certificate Number: TEC/MRA/CAB/IND-D/68-III **Page 5 of 3**

Validity: 17/01/2026 to 16/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	IoT Gateway	**Interface: LPWAN-LoRa / LPWAN-SigFox**	TX maximum e.r.p spectral Density ETSI EN 300 220-1 V3.1.1 Clause 5.3.2	TEC ER No. TEC24492408
			Tx Duty Cycle ETSI EN 300 220-1 V3.1.1 Clause 5.5.2	TEC ER No. TEC24492408
			TX Occupied bandwidth / Carrier bandwidth ETSI EN 300 220-1 V3.1.1 Clause 5.6.3	TEC ER No. TEC24492408
			Out of Band / Spurious Emissions (Conducted) ETSI EN 300 220-1 V3.1.1 Clause 5.8.3	TEC ER No. TEC24492408
			TX Transient ETSI EN 300 220-1 V3.1.1 Clause 5.10.3	TEC ER No. TEC24492408
			TX Adjacent channel power / TX Adaptive power control ETSI EN 300 220-1 V3.1.1 Clause 5.11.3	TEC ER No. TEC24492408
			TX behaviour under low voltage conditions / TX Short term behavior ETSI EN 300 220-1 V3.1.1 Clause 5.12.3	TEC ER No. TEC24492408

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Certificate Number: TEC/MRA/CAB/IND-D/68-III **Page 6 of 3**

Validity: 17/01/2026 to 16/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	IoT Gateway	**Interface: LPWAN-LoRa / LPWAN-SigFox**	
		TX Adjacent channel power / TX Adaptive power control ETSI EN 300 220-1 V3.1.1 Clause 5.13.3	TEC ER No. TEC24492408
		TX FHSS ETSI EN 300 220-2 V3.1.1 Clause 4.3.10.3	TEC ER No. TEC24492408
		TX behaviour under low voltage conditions / TX Short term behavior ETSI EN 300 220-1 Clause 5.5.2	TEC ER No. TEC24492408
		RX sensitivity ETSI EN 300 220-1 Clause 5.14.3	TEC ER No. TEC24492408
		Clear channel assessment threshold & ETSI EN 300 220-1 V3.1.1 Clause 5.21.2.3	TEC ER No. TEC24492408
		Polite spectrum access timing parameters ETSI EN 300 220-1 V3.1.1 Clause 5.21.3.2	TEC ER No. TEC24492408
		Interface: GSM or GPRS or EDGE Frequency of Operation Latest NFAP issued by WPC	TEC ER No. TEC24492408

***The validity of Certificate is up to 16/01/2029 or the continued validity of NABL Accreditation, whichever is earlier.**

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SCOPE OF DESIGNATION
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Laboratory Name: **M/s Sunren Telecom Laboratory, Mumbai**
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Certificate Number: TEC/MRA/CAB/IND-D/68-III **Page 7 of 3**

Validity: 17/01/2026 to 16/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	IoT Gateway	**Interface: GSM or GPRS or EDGE**	Transmitter Maximum output power for GSM 3GPP TS 51 010-1 Clause 13.3 EN 301 511 (GSM) Clause 4.2.5	TEC ER No. TEC24492408
			Transmitter Maximum output power for GPRS/EDGE 3GPP TS 51 010-1 Clause 13.16.2 EN 301 511 (GSM) Clause 4.2.10	TEC ER No. TEC24492408
			Output RF Spectrum for GSM 3GPP TS 51 010-1 Clause 13.4 EN 301 511 (GSM) Clause 4.2.6	TEC ER No. TEC24492408
			Output RF Spectrum for GPRS/EDGE 3GPP TS 51 010-1 Clause 13.16.3 EN 301 511 (GSM) Clause 4.2.11	TEC ER No. TEC24492408
			Spurious emissions (MS allocated a channel) 3GPP TS 51 010-1 Clause 12.1.1 EN 301 511 (GSM) Clause 4.2.12	TEC ER No. TEC24492408

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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: **M/s Sunren Telecom Laboratory, Mumbai**
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Certificate Number: TEC/MRA/CAB/IND-D/68-III **Page 8 of 3**

Validity: 17/01/2026 to 16/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	IoT Gateway	**Interface: GSM or GPRS or EDGE**	Spurious emission (MS in idle mode) 3GPP TS 51 010-1 Clause 12.1.2 EN 301 511 (GSM) Clause 4.2.13	TEC ER No. TEC24492408
			Frequency Error and Phase error for GSM 3GPP TS 51 010-1 Clause 13.1 EN 301 511 (GSM) Clause 4.2.1	TEC ER No. TEC24492408
			Frequency Error and Phase error for GPRS/EDGE 3GPP TS 51 010-1 Clause 13.16.1 EN 301 511 (GSM) Clause 4.2.4	TEC ER No. TEC24492408
			Reference sensitivity level (speech channels) 3GPP TS 51 010-1 Clause 14.2.1 EN 301 511 (GSM) Clause 4.2.42	TEC ER No. TEC24492408
			Adjacent Channel Rejection (speech channels) 3GPP TS 51 010-1 Clause 14.5.1 EN 301 511 (GSM) Clause 4.2.38	TEC ER No. TEC24492408

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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: **M/s Sunren Telecom Laboratory, Mumbai**
C-475, TTC Industrial Area, MIDC Pawane, Navi Mumbai, Maharashtra-400705

Certificate Number: TEC/MRA/CAB/IND-D/68-III **Page 9 of 3**

Validity: 17/01/2026 to 16/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	IoT Gateway	**Interface: GSM or GPRS or EDGE**	Receiver blocking 3GPP TS 51 010-1 Clause 14.7.1 EN 301 511 (GSM) Clause 4.2.20	TEC ER No. TEC24492408
		Interface : LTE or LTE-A	Frequency of Operation Latest NFAP issued by WPC	TEC ER No. TEC24492408
			Maximum output power 3GPP TS 36.521-1 Clause 6.2.2 EN 301 908-13 (LTE) Clause 4.2.2.1	TEC ER No. TEC24492408
			Spectrum emissions mask 3GPP TS 36.521-1 Clause 6.6.2.1 EN 301 908-13 (LTE) Clause 4.2.3.1	TEC ER No. TEC24492408
			Spurious emissions 3GPP TS 36.521-1 Clauses 6.6.3.1, 6.6.3.2, 6.6.3.3 EN 301 908-13 (LTE) Clause 4.2.4.1	TEC ER No. TEC24492408
			Receiver spurious emission 3GPP TS 36.521-1 Clause 7.9 EN 301 908-13 (LTE) Clause 4.2.10	TEC ER No. TEC24492408

***The validity of Certificate is up to 16/01/2029 or the continued validity of NABL Accreditation, whichever is earlier.**

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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: **M/s Sunren Telecom Laboratory, Mumbai**
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Certificate Number: TEC/MRA/CAB/IND-D/68-III **Page 10 of 3**

Validity: 17/01/2026 to 16/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	IoT Gateway	**Interface : LTE or LTE-A**	Receiver Reference Sensitivity level 3GPP TS 36.521-1 Clause 7.3 EN 301 908-13 (LTE) Clause 4.2.12	TEC ER No. TEC24492408
			Receiver Adjacent Channel Selectivity (ACS) 3GPP TS 36.521-1 Clause 7.5 EN 301 908-13 (LTE) Clause 4.2.6.1	TEC ER No. TEC24492408
			Receiver In-band blocking 3GPP TS 36.521-1 Clause 7.6.1 EN 301 908-13 (LTE) Clause 4.2.7.1	TEC ER No. TEC24492408
		Interface: WCDMA or HSPA	Frequency of Operation Latest NFAP issued by WPC	TEC ER No. TEC24492408
			Transmitter Maximum output power 3GPP TS 34.121-1 Clause 5.2 EN 301 908-2 (UMTS) Clause 4.2.2.1	TEC ER No. TEC24492408
			Transmitter Spectrum emissions mask 3GPP TS 34.121-1 Clause 5.9 EN 301 908-2 (UMTS) Clause 4.2.3.1	TEC ER No. TEC24492408

***The validity of Certificate is up to 16/01/2029 or the continued validity of NABL Accreditation, whichever is earlier.**

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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: **M/s Sunren Telecom Laboratory, Mumbai**
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Certificate Number: TEC/MRA/CAB/IND-D/68-III **Page 11 of 3**

Validity: 17/01/2026 to 16/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	IoT Gateway	**Interface: WCDMA or HSPA**	
		Transmitter spurious emissions 3GPP TS 34.121-1 Clause 5.11 EN 301 908-2 (UMTS) Clause 4.2.4.1	TEC ER No. TEC24492408
		Receiver spurious emission 3GPP TS 34.121-1 Clause 6.8 EN 301 908-2 (UMTS) Clause 4.2.10	TEC ER No. TEC24492408
		Transmitter Minimum Output Power 3GPP TS 34.121-1 Clause 5.4.3 EN 301 908-2 (UMTS) Clause 4.2.5.1	TEC ER No. TEC24492408
		Receiver Reference sensitivity level 3GPP TS 34.121-1 Clause 6.2 EN 301 908-2 (UMTS) Clause 4.2.13	TEC ER No. TEC24492408
		Receiver Adjacent Channel Selectivity (ACS) 3GPP TS 34.121-1 Clause 6.4 EN 301 908-2 (UMTS) Clause 4.2.6	TEC ER No. TEC24492408
		Receiver In-band blocking 3GPP TS 34.121-1 Clause 6.5.2.1 EN 301 908-2 (UMTS) Clause 4.2.7	TEC ER No. TEC24492408

***The validity of Certificate is up to 16/01/2029 or the continued validity of NABL Accreditation, whichever is earlier.**

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SCOPE OF DESIGNATION
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Certificate Number: TEC/MRA/CAB/IND-D/68-III **Page 12 of 3**

Validity: 17/01/2026 to 16/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	IoT Gateway	**Interface: NFC**	
		Frequency of Operation of interface ETSI EN 300 330 V2.1.1 Clause 6.2.2	TEC ER No. TEC24492408
		Permitted Frequency Range ETSI EN 300 330 V2.1.1 Clause 4.3.1	TEC ER No. TEC24492408
		Modulation bandwidth ETSI EN 300 330 V2.1.1 Clause 6.2.3	TEC ER No. TEC24492408
		Transmitter H-field ETSI EN 300 330 V2.1.1 Clause 6.2.4	TEC ER No. TEC24492408
		Transmitter conducted spurious emissions ETSI EN 300 330 V2.1.1 Clause 6.2.7	TEC ER No. TEC24492408
		Transmitter radiated spurious domain emission limits < 30 MHz ETSI EN 300 330 V2.1.1 Clause 6.2.8	TEC ER No. TEC24492408
		Transmitter radiated spurious domain emission limits >30 MHz ETSI EN 300 330 V2.1.1 Clause 6.2.9	TEC ER No. TEC24492408

***The validity of Certificate is up to 16/01/2029 or the continued validity of NABL Accreditation, whichever is earlier.**

GOVERNMENT OF INDIA
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF TELECOMMUNICATIONS
TELECOMMUNICATION ENGINEERING CENTRE
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi - 110 001

ISO 9001:2015

SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: **M/s Sunren Telecom Laboratory, Mumbai**
C-475, TTC Industrial Area, MIDC Pawane, Navi Mumbai, Maharashtra-400705

Certificate Number: TEC/MRA/CAB/IND-D/68-III **Page 13 of 3**

Validity: 17/01/2026 to 16/01/2029 **Last Amended on: ----**

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	IoT Gateway	**Interface: NFC**	Transmitter Frequency stability ETSI EN 300 330 V2.1.1 Clause 6.2.10	TEC ER No. TEC24492408
			Receiver spurious Emission ETSI EN 300 330 V2.1.1 Clause 6.3.1	TEC ER No. TEC24492408
			Adjacent channel selectivity ETSI EN 300 330 V2.1.1 Clause 6.3.2	TEC ER No. TEC24492408
			Receiver blocking ETSI EN 300 330 V2.1.1 Clause 6.3.3	TEC ER No. TEC24492408

Digitally signed by Buddha Priya Rahul
AD (CA-II), TEC
Date: 01-01-2026 17:24:27

***The validity of Certificate is up to 16/01/2029 or the continued validity of NABL Accreditation, whichever is earlier.**