National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SAMEER KOLKATA CENTRE, R&D LABORATORY, MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY, GOVT. OF INDIA, PLOT - L2, BLOCK - GP, SALT LAKE ELECTRONICS COMPLEX, SECTOR - V, SALT LAKE, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-4045 **Page No** 1 of 2

Validity 30/12/2021 to 29/12/2023 **Last Amended on** 03/03/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRONICS- EMC TEST FACILITY	Electrical and Electronics product operating with AC main : Max current 16A (AC) per phase, Voltage 230V for single phase and 400V for 3 phase	Damped Oscillatory Wave Immunity Test	IEC 61000-4-18
2	ELECTRONICS- EMC TEST FACILITY	Electrical and Electronics product operating with AC main : Max current 16A (AC) per phase, Voltage 230V for single phase and 400V for 3 phase, For DC: Max current 25 A and user specified Voltage	Conducted Emission Measurement	CISPR 11
3	ELECTRONICS- EMC TEST FACILITY	Electrical and Electronics product operating with AC main : Max current 16A (AC) per phase, Voltage 230V for single phase and 400V for 3 phase, For DC: Max current 25 A and user specified Voltage	Conducted Emission Measurement	CISPR 14-1
4	ELECTRONICS- EMC TEST FACILITY	Electrical and Electronics product operating with AC main : Max current 16A (AC) per phase, Voltage 230V for single phase and 400V for 3 phase, For DC: Max current 25 A and user specified Voltage	Conducted Emission Measurement	CISPR 32
5	ELECTRONICS- EMC TEST FACILITY	Electrical and Electronics product operating with AC main : Max current 16A (AC) per phase, Voltage 230V for single phase and Max current 16A (AC) per phase, 400V for 3 phase, For DC: 16 A/48V, or 10A/100V or any intermediate user specific value (rating lower than 1kW)	EFT Test	IED 61000-4-4
6	ELECTRONICS- EMC TEST FACILITY	Electrical and Electronics product operating with AC main : Max current 16A (AC) per phase, Voltage 230V for single phase and Max current 16A (AC) per phase, 400V for 3 phase, For DC: 16 A/48V, or 10A/100V or any intermediate user specific value (rating lower than 1kW)	Surge Immunity Test	IEC 61000-4-5
7	ELECTRONICS- EMC TEST FACILITY	Electrical and Electronics product operating with AC main : Max current 16A and 230 V (max 300V)	Voltage Dips and Interruption Immunity Test	IEC 61000-4-11
8	ELECTRONICS- EMC TEST FACILITY	Electrical and Electronics product operating with AC main : Max current 16A per phase, Voltage 230V for single phase and 400V for 3 phase, For Dc: Max current 16A and max voltage 400V	Conducted RF Susceptibility Test	IEC 61000-4-6
9	ELECTRONICS- EMC TEST FACILITY	Electrical and Electronics product operating with AC main : Max current 20A (AC) per phase, Voltage 230V for single phase and 400V for 3 phase, For DC: user specified Voltage and current	Radiated Emission Measurement	CISPR 11
10	ELECTRONICS- EMC TEST FACILITY	Electrical and Electronics product operating with AC main : Max current 20A (AC) per phase, Voltage 230V for single phase and 400V for 3 phase, For DC: user specified Voltage and current	Radiated Emission Measurement	CISPR 14-1

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11	ELECTRONICS- EMC TEST FACILITY	Electrical and Electronics product operating with AC main : Max current 20A (AC) per phase, Voltage 230V for single phase and 400V for 3 phase, For DC: user specified Voltage and current	Radiated Emission Measurement	CISPR 32
12	ELECTRONICS- EMC TEST FACILITY	Electrical and Electronics product operating with AC main : Max current 20A (AC) per phase, Voltage 230V for single phase and 400V for 3 phase, For DC: user specified Voltage and current	Radiated RF Susceptibility Test	IEC 61000-4-3
13	ELECTRONICS- EMC TEST FACILITY	Electrical and Electronics product operating with AC main : Max current 20A per phase, Voltage 230V for single phase and 400V for 3 phase, For DC: user specified current and Voltage	Power Frequency Magnetic Field Immunity Test	IEC 61000-4-8
14	ELECTRONICS- EMC TEST FACILITY	Electrical and Electronics product operating with Single / 3-phase AC main (max current 20 A), DC with user specified Voltage and current	ESD test	IEC 61000-4-2
15	ELECTRONICS- EMC TEST FACILITY	EM Shielding of Chambers / Material	Shielding Effectiveness of EM Shielding Chambers / Material	IEEE 299
16	ELECTRONICS- EMC TEST FACILITY	Vehicle Components / Automotive Products	ESD test	SAE J1113-13