



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name RENEWABLE ENERGY TEST CENTRE, DEENBANDHU CHHOTU RAM UNIVERSITY OF SCIENCE & TECHNOLOGY, MURTHAL, SONIPAT, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8571 Page No. : 1 / 2

Validity 05/07/2019 to 04/07/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	MECHANICAL-THERMAL TESTS	SOLAR COOKER - BOX TYPE	EXPOSURE TEST	IS 13429: 2000	Qualitative
2	MECHANICAL-THERMAL TESTS	SOLAR COOKER - BOX TYPE	LEAKAGE TEST FOR TRAY GASKETS AND COVER PLATE	IS 13429: 2000	Qualitative
3	MECHANICAL-THERMAL TESTS	SOLAR COOKER - BOX TYPE	LOAD TEST FOR FRP BODY COOKER	IS 13429: 2000	Qualitative
4	MECHANICAL-THERMAL TESTS	SOLAR COOKER - BOX TYPE	MIRROR REFLECTIVITY TEST	IS 13429: 2000	Qualitative
5	MECHANICAL-THERMAL TESTS	SOLAR COOKER - BOX TYPE	RAIN PENETRATION TEST	IS 13429: 2000	Qualitative
6	MECHANICAL-THERMAL TESTS	SOLAR COOKER - BOX TYPE	SENSIBLE HEATING OF WATER TEST (F2)	IS 13429: 2000	0.40 to 1.0
7	MECHANICAL-THERMAL TESTS	SOLAR COOKER - BOX TYPE	SLAM TEST OF COVER PLATE AND MIRROR	IS 13429: 2000	Qualitative
8	MECHANICAL-THERMAL TESTS	SOLAR COOKER - BOX TYPE	STAGNATION TEMPERATURE TEST OF TRAY (F1)	IS 13429: 2000	0.05 to 0.20
9	MECHANICAL-THERMAL TESTS	SOLAR FLAT PLATE COLLECTOR	EXTERNAL THERMAL SHOCK TEST	IS 12933: 2003	Qualitative
10	MECHANICAL-THERMAL TESTS	SOLAR FLAT PLATE COLLECTOR	IMPACT RESISTANCE TEST	IS 12933: 2003	Qualitative
11	MECHANICAL-THERMAL TESTS	SOLAR FLAT PLATE COLLECTOR	INCIDENT ANGLE MODIFIER TEST	IS 12933: 2003	0 ° to 60 °
12	MECHANICAL-THERMAL TESTS	SOLAR FLAT PLATE COLLECTOR	INTERNAL THERMAL SHOCK TEST	IS 12933: 2003	Qualitative



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13	MECHANICAL-THERMAL TESTS	SOLAR FLAT PLATE COLLECTOR	OUT DOOR NO FLOW EXPOSURE TEST	IS 12933: 2003	Qualitative
14	MECHANICAL-THERMAL TESTS	SOLAR FLAT PLATE COLLECTOR	RAIN PENETRATION TEST	IS 12933: 2003	Qualitative
15	MECHANICAL-THERMAL TESTS	SOLAR FLAT PLATE COLLECTOR	STATIC PRESSURE LEAKAGE TEST	IS 12933: 2003	Qualitative
16	MECHANICAL-THERMAL TESTS	SOLAR FLAT PLATE COLLECTOR	TEMPERATURE TEST FOR ABSORBER SHEET	IS 12933: 2003	Qualitative
17	MECHANICAL-THERMAL TESTS	SOLAR FLAT PLATE COLLECTOR	THERMAL EFFICIENCY TEST	IS 12933: 2003	00 to 5.5
18	MECHANICAL-THERMAL TESTS	SOLAR FLAT PLATE COLLECTOR	THERMAL SHOCK TEST FOR GASKETS AND GROMMETS	IS 12933: 2003	Qualitative
19	MECHANICAL-THERMAL TESTS	SOLAR FLAT PLATE COLLECTOR	TIME CONSTANT TEST	IS 12933: 2003	01 to 2.5
20	MECHANICAL-THERMAL TESTS	SOLAR FLAT PLATE COLLECTOR	TRANSMITTANCE TEST OF COVER PLATE	IS 12933: 2003	Qualitative