



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

**SCIENTIFIC AND INDUSTRIAL TESTING AND RESEARCH
CENTRE**

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

83 & 84 AVARAMPALAYAM ROAD, K.R.PURAM POST, COIMBATORE, TAMIL NADU, INDIA

in the field of

TESTING

Certificate Number: TC-5324

Issue Date: 31/03/2023

Valid Until:

30/03/2025

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity : SCIENTIFIC AND INDUSTRIAL TESTING AND RESEARCH CENTRE

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	SCIENTIFIC AND INDUSTRIAL TESTING AND RESEARCH CENTRE, 83 & 84 AVARAMPALAYAM ROAD, K.R.PURAM POST, COIMBATORE, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5324	Page No	85 of 93
Validity	31/03/2023 to 30/03/2025	Last Amended on	20/06/2023

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
1301	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Universal Solar Pump Controller (USPC)	Universal Solar Pump Controller qualification and performance measurements - Hot Profile, Cold Profile and Outdoor/Real Condition	MNRE Specification No. 41/3/2018- Annexure - III
1302	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metal and Alloys Samples	Bend Test	IS : 1599
1303	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metal and Alloys Samples	Brinell Hardness	IS 1500 (Part 1)
1304	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metal and Alloys Samples	Brinell Hardness	IS : 1500 (Part 1)
1305	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metal and Alloys Samples	Hardness test by Rockwell C scale	IS 1586(Part 1)
1306	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metal and Alloys Samples	Longitudinal Root and Face Bend test on welded joints	IS 3600(Part 7)
1307	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metal and Alloys Samples	Transverse Root and Face Bend test on welded joints	IS 3600 (Part 5)
1308	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metal and Alloys Samples	Transverse Side Bend test on welded joints	IS 3600 (Part 5)
1309	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper materials, alloys and Product sample	% Reduction in Area	IS 1608(Part 1)
1310	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper materials, alloys and Product sample	Bend Test	IS 1599
1311	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper materials, alloys and Product samples	% Elongation	IS 1608(Part 1)
1312	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper materials, alloys and Product samples	0.2% Proof Stress	IS 1608(Part 1)
1313	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper materials, alloys and Product samples	Brinell Hardness	IS 1500(Part 1)



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1314	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper materials, alloys and Product samples	Tensile Stress	IS 1608(Part 1)
1315	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper materials, alloys and Product samples	Yield Stress	IS 1608(Part 1)
1316	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metal and Alloys Samples	% Elongation	IS 1608(Part 1)
1317	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metal and Alloys Samples	% Reduction in Area	IS 1608(Part 1)
1318	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metal and Alloys Samples	0.2% Proof Stress	IS 1608(Part 1)
1319	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metal and Alloys Samples	Tensile Stress	IS 1608(Part 1)
1320	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metal and Alloys Samples	Yield Stress	IS 1608(Part 1)
1321	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, Alloy and product samples	% Elongation	IS 1608(Part 1)
1322	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, Alloy and product samples	% Reduction in Area	IS 1608(Part 1)
1323	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, Alloy and product samples	0.2% Proof Stress	IS 1608(Part 1)
1324	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, Alloy and product samples	Bend Test	IS 1599
1325	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, Alloy and product samples	Brinell Hardness	IS 1500(Part 1)
1326	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, Alloy and product samples	Tensile Stress	IS 1608(Part 1)
1327	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, Alloy and product samples	Yield Stress	IS 1608(Part 1)



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1328	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Weld and Welded test samples	% Reduction in Area	IS 1608(Part 1)
1329	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Weld and Welded test samples	Bend Test	IS 1599
1330	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Weld and Welded test samples	Hardness test by Rockwell C scale	IS 1586(Part 1)
1331	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Weld and Welded test samples	Longitudinal Root and Face Bend test on welded joints	IS 3600(Part 7)
1332	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Weld and Welded test samples	Tensile Stress	IS 1608(Part 1)
1333	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Weld and Welded test samples	Transverse Root and Face Bend test on welded joints	IS 3600 (Part 5)
1334	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Weld and Welded test samples	Transverse Side Bend test on welded joints	IS 3600 (Part 5)
1335	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Weld and Welded test samples	Yield Stress	IS 1608(Part 1)
1336	MECHANICAL- PERFORMANCE/DURABILIT Y/ SAFETY TEST	Domestic Water Meter	Dismantling Test	Cl No. 7 of IS: 779, IS 779: 1994
1337	MECHANICAL- PERFORMANCE/DURABILIT Y/ SAFETY TEST	Domestic Water Meter	Performance test Loss of Pressure	Cl. 6.2 of IS 6784, IS 779: 1994
1338	MECHANICAL- PERFORMANCE/DURABILIT Y/ SAFETY TEST	Domestic Water Meter	Performance test Metering Accuracy	Cl.6.1 of IS 6784, IS 779: 1994
1339	MECHANICAL- PERFORMANCE/DURABILIT Y/ SAFETY TEST	Domestic Water Meter	Performance test Pressure Tightness	Cl.7 of IS 6784, IS 779: 1994
1340	MECHANICAL- PERFORMANCE/DURABILIT Y/ SAFETY TEST	Domestic Water Meter	Performance test Temperature Suitability	Cl.8 of IS 6784, IS 779: 1994
1341	MECHANICAL- PERFORMANCE/DURABILIT Y/ SAFETY TEST	Water meter for cold potable water and hot water	Reverse flow Test	Cl.7.8 of ISO 4064-2



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1342	MECHANICAL-PERFORMANCE/DURABILITY / SAFETY TEST	Water meter for cold potable water and hot water	Static Pressure Test	Cl. 7.3 of ISO 4064-2
1343	MECHANICAL-PERFORMANCE/DURABILITY / SAFETY TEST	Water meter for cold potable water and hot water.	Accuracy Test	Cl.4.2 of ISO 4064-1, ISO 4064-2 : 2014
1344	MECHANICAL-PERFORMANCE/DURABILITY / SAFETY TEST	Domestic pressure cooker	Air Pressure Test	Cl.8.1, IS 2347
1345	MECHANICAL-PERFORMANCE/DURABILITY / SAFETY TEST	Domestic pressure cooker	Bursting Pressure test	Cl.8.5, IS 2347
1346	MECHANICAL-PERFORMANCE/DURABILITY / SAFETY TEST	Domestic pressure cooker	Capacity test	Cl.4, IS 2347
1347	MECHANICAL-PERFORMANCE/DURABILITY / SAFETY TEST	Domestic pressure cooker	Construction	Cl.6, IS 2347
1348	MECHANICAL-PERFORMANCE/DURABILITY / SAFETY TEST	Domestic pressure cooker	Marking	Cl.11, IS 2347
1349	MECHANICAL-PERFORMANCE/DURABILITY / SAFETY TEST	Domestic pressure cooker	Operating test for Pressure regulating device	Cl.8.3, IS 2347
1350	MECHANICAL-PERFORMANCE/DURABILITY / SAFETY TEST	Domestic pressure cooker	Proof Pressure Test	Cl.8.2, IS 2347
1351	MECHANICAL-PERFORMANCE/DURABILITY / SAFETY TEST	Domestic pressure cooker	Test for removal of Lid under pressure	Cl.8.6 ,IS 2347
1352	MECHANICAL-PERFORMANCE/DURABILITY / SAFETY TEST	Domestic pressure cooker	Test for safety Pressure Relief device	Cl.8.4 ,IS 2347
1353	MECHANICAL-PERFORMANCE/DURABILITY / SAFETY TEST	Domestic pressure cooker	Workmanship & Finish	Cl.7 ,IS 2347
1354	MECHANICAL-PERFORMANCE/DURABILITY / SAFETY TEST	Domestic Water Meter	Dimension (Height)	Cl. No. 9 of IS 779
1355	MECHANICAL-PERFORMANCE/DURABILITY / SAFETY TEST	Domestic Water Meter	Dimension (Length)	Cl. No. 9 of IS 779



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1356	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Domestic Water Meter	Dimension (Width)	Cl. No. 9 of IS 779
1357	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Domestic Water Meter	Performance test- Life Test	Cl.9 of IS 6784, IS 779: 1994
1358	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Handles and Handle assemblies Attached to Cookware	Bending Strength	Cl.5.2, IS 13395
1359	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Handles and Handle assemblies Attached to Cookware	Burning Resistance	Cl.5.10, IS 13395
1360	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Handles and Handle assemblies Attached to Cookware	Construction	Cl.4, IS 13395
1361	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Handles and Handle assemblies Attached to Cookware	Fatigue Resistance	Cl.5.5, IS 13395
1362	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Handles and Handle assemblies Attached to Cookware	Heat Resistance	Cl.5.8, IS 13395
1363	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Handles and Handle assemblies Attached to Cookware	Impact Strength	Cl.5.4, IS 13395
1364	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Handles and Handle assemblies Attached to Cookware	Leakage	Cl.5.6, IS 13395
1365	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Handles and Handle assemblies Attached to Cookware	Thermal Insulation	Cl.5.7, IS 13395
1366	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Handles and Handle assemblies Attached to Cookware	Torque Strength	Cl.5.3, IS 13395
1367	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Handles and Handle assemblies Attached to Cookware	Washing Resistance test	Cl.5.9, IS 13395
1368	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Water meter for cold potable water and hot water	Determination of intrinsic errors	Cl.7.4 of ISO 4064-2
1369	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Water meter for cold potable water and hot water	Durability Tests	Cl.7.11 of ISO 4064-2



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1370	MECHANICAL- PERFORMANCE/DURABILITY/ SAFETY TEST	Water meter for cold potable water and hot water	Pressure Loss Test	Cl.7.9 of ISO 4064-2
1371	MECHANICAL- PERFORMANCE/DURABILITY/ SAFETY TEST	Water meter for cold potable water and hot water	Water Temperature Test	Cl.7.5 of ISO 4064-2
1372	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Horizontal Centrifugal pumps	Pump Performance test- Hydro Static Pressure Test	Cl.10.4 of IS 6595, IS 6595 (Pt. 2):1993
1373	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Horizontal Centrifugal pumps	Pump Performance test- Power	Cl. 7.4 of IS 9137, IS 6595 (Pt. 2):1993
1374	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Horizontal centrifugal Monoset pumps	Pump Performance test-Power	Cl 6.4 of IS 9137, IS 9542: 1980
1375	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Horizontal Centrifugal pumps	Direction Of Rotation	Cl.7 IS 6595(Pt.2)
1376	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Self-priming pumps	Pump Performance test- Power	Cl.14.2 of IS 11346, IS 8418: 1999
1377	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Foot valves, Reflux valves and Bore valves	Performance test K Value	Cl.6.2 of IS 10805
1378	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Foot valves, Reflux valves and Bore valves	Pressure Test	Cl.6.1.2 of IS 10805
1379	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Foot valves, Reflux valves and Bore valves	Coating	Cl.5 IS 10805
1380	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Foot valves, Reflux valves and Bore valves	Dimension (Height)	C1.3 IS 10805
1381	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Foot valves, Reflux valves and Bore valves	Dimension (Length)	Cl.2 IS 10805
1382	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Foot valves, Reflux valves and Bore valves	Dimension (Width)	C1.3 IS 10805
1383	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Foot valves, Reflux valves and Bore valves	Marking	Cl.8 IS 10805



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1384	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Foot valves, Reflux valves and Bore valves	Seat Test	Cl.61.1 IS 10805
1385	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Horizontal centrifugal Monoset pumps	Pump Performance test- Efficiency	Cl 9.4.2 of IS 9137, IS 9542: 1980
1386	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Horizontal centrifugal Monoset pumps	Pump Performance test- Flow	Cl 6.1 of IS 9137, IS 9542: 1980
1387	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Horizontal centrifugal Monoset pumps	Pump Performance test- Head	Cl 6.2 of IS 9137, IS 9542: 1980
1388	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Horizontal Centrifugal pumps	Pump Performance test - Flow	Cl 10 of IS 6595(Pt.1)
1389	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Horizontal Centrifugal pumps	Pump Performance test- Hydro Static Pressure Test	Cl 9.1 of IS 6595(Pt.1)
1390	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Horizontal Centrifugal pumps	Design Features	Cl.8 IS 6595(Pt.1)
1391	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Horizontal Centrifugal pumps	Direction of Rotation	Cl.7 IS 6595(Pt.1)
1392	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Horizontal Centrifugal pumps	General Requirements	Cl.9 IS 6595(Pt.1)
1393	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Horizontal Centrifugal pumps	General Requirements	Cl.9 IS 6595(Pt.2)
1394	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Horizontal Centrifugal pumps	Impeller Balancing	Cl 9.2 of IS: 6595(Pt.1)
1395	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Horizontal Centrifugal pumps	Marking / Rating Plate	Cl.13 IS 6595(Pt.2)
1396	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Horizontal Centrifugal pumps	Marking / Rating Plate	Cl.14 IS 6595(Pt.1)
1397	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Horizontal Centrifugal pumps	Material Construction	Cl.6 IS6595(Pt.2)



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1398	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Horizontal Centrifugal pumps	Material of Construction	Cl.6 IS 6595(Pt.1)
1399	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Horizontal Centrifugal pumps	Noise level test	Cl 12.2.6 IS 6595(Pt.1)
1400	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Horizontal Centrifugal pumps	Pump Performance test - Flow	Cl.7.4 of IS 9137, IS 6595 (Pt. 2):1993
1401	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Horizontal Centrifugal pumps	Pump Performance test- Efficiency	Cl.7.4 IS 9137, IS 6595 (Pt. 2):1993
1402	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Horizontal Centrifugal pumps	Pump Performance test- Efficiency	Cl 10 of IS 6595(Pt.1)
1403	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Horizontal Centrifugal pumps	Pump Performance test- Head	Cl. 7.4 of IS 9137, IS 6595 (Pt. 2):1993
1404	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Horizontal Centrifugal pumps	Pump Performance test- Power	Cl 10 of IS 6595(Pt.1)
1405	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Horizontal Centrifugal pumps	Pump Performance test Head	Cl 10 of IS 6595(Pt.1)
1406	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Horizontal Centrifugal pumps	Vibration Test	Cl 12.2.5 of IS 6595(Pt.1)
1407	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Self-priming pumps	Constructional Features	Cl.6 IS 8418
1408	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Self-priming pumps	Design Features	Cl.11 IS 8418
1409	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Self-priming pumps	Direction of Rotation	Cl.7 IS 8418
1410	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Self-priming pumps	General Requirements	Cl.13 IS 8418
1411	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/A CCESSORIES	Self-priming pumps	Marking / Rating Plate	Cl.17 IS 8418



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1412	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Self-priming pumps	Pump Performance test- Efficiency	Cl. 10 IS 11346, IS 8418: 1999
1413	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Self-priming pumps	Pump Performance test- Flow	Cl. 8.1 of IS 11346, IS 8418: 1999
1414	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Self-priming pumps	Pump Performance test- Head	Cl. 10 of IS 11346, IS 8418: 1999
1415	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Self-priming pumps	Self Priming Test	Cl. 10.2 of IS 11346, IS 8418: 1999
1416	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Springs	Static Load Test on Helical Compression Springs (Characteristic Curve)	IS 7906(Part 2)

NOTE- The Laboratory has demonstrated competence for the stated scope for WATER. This however does not fully cover the specification requirements of BIS for the Packaged Drinking Water as per IS 14543 and the Packaged Natural Mineral Water IS 13428.