National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TAMIL NADU WATER SUPPLY AND DRAINAGE BOARD, QUALITY CONTROL LABORATORY-COIMBATORE, NO-4, VINOBAJI NAGAR, VILANKURUCHI ROAD, PEELAMEDU POST, COIMBATORE, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11542 **Page No** 1 of 3

Validity 10/04/2023 to 09/04/2025 **Last Amended on** -

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	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Compressive Strength	IS 3495 (Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Efflorescence	IS 3495 (Part 3)
3	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Water Absorption	IS 3495 (Part 2)
4	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Length	IS 1077
5	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Height	IS 1077
6	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Width	IS 1077
7	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)
8	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5)
9	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Dry Sieving	IS 4031 (Part 1)
10	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis(2.36mm-63mm)	IS 2386 (Part 1)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Filter Media	Sieve Analysis(0.15mm-80mm)	IS 2720 (Part 4)
15	MECHANICAL- BUILDINGS MATERIALS	Filter Media	Specific Gravity	IS 2386 (part 3)
16	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (0.15mm to 4.7mm)	IS 2386 (Part 1)
17	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
18	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete (Cube)	Compressive Strength	IS 516

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Certificate Number TC-11542 **Page No** 2 of 3

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19	MECHANICAL- BUILDINGS MATERIALS	Metal -Steel Rod (8mm to 32mm) (FE 415 & FE 500 Grades only)	Unit Weight	IS 1786
20	MECHANICAL- BUILDINGS MATERIALS	Metal -Steel Rod (8mm to 32mm) (FE 415 & FE 500 Grades only)	Upper Yield Strength	IS 1608(Part-1)
21	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ductile Iron Pipe (DI Pipe)	Hydraulic Test	IS 8329
22	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ductile Iron Pipe (DI Pipe)	Outside Diameter	IS 8329
23	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ductile Iron Pipe (DI Pipe)	Wall Thickness	IS 8329
24	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal -Steel Rod (8mm to 32mm) (FE 415 & FE 500 Grades only) Metal -Steel Rod (8mm to 32mm) (FE 415 & FE 500 Grades only)	Elongation	IS 1786:2008, IS 1608 (Part-1)
25	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal -Steel Rod (8mm to 32mm) (FE 415 & FE 550 D Grades only)	Tensile Strength	IS 1608 (Part-1)
26	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal GI-Pipe	Bend Test(Mandrel size 15 mm- 50 mm)	IS 2329
27	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal GI-Pipe	Flattening Test	IS 2328
28	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal GI-Pipe	Outside Diameter	IS 1239 (Part 1)
29	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal GI-Pipe	Thickness	IS 1239 (Part 1)
30	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Pipes	Internal Pressure Creep Rupture Test	IS 4984
31	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Pipes	Outer Diameter	IS 4984
32	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Pipes	Reversion Test	IS 4984 (annexure C)
33	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Pipes	Visual Appearance	IS 4984

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34	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	HDPE Pipes	Wall Thickness	IS 4984
35	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	High Density Polyvinyl Chloride Pipes / HDPE Pipes	Base Density at 27°	IS 7328
36	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	High Density Polyvinyl Chloride Pipes / HDPE Pipes	Melt Flow Rate	IS 2530
37	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PVC/UPVC Plastic	Joint Leakage test	IS 15328 (Clause 10.2.1)
38	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC Pipe	Socket Length	IS 12235 (Part 1) (Clause 4, 5, 6, 7)
39	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC Pipe	Density	IS 12235 (Part 14)
40	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC Pipe	Outer Diameter	IS 12235 (Part 1) (Clause 4, 5, 6, 7)
41	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC Pipe	Overall Length	IS 12235 (Part 1) (Clause 4, 5, 6, 7)
42	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC Pipe	Resistance to external blow (impact test)	IS 12235 (Part 9) Clause 11.2
43	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC Pipe	Resistance to internal Hydraulic Pressure	IS 12235 (Part 8 / Section 1)
44	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC Pipe	Reversion test (by Air Oven method)	IS 12235 (Part 5 / Section 2) Clause 3
45	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UPVC Pipe	Wall Thickness	IS 12235 (Part 1) (Clause 4, 5, 6, 7)