



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name ODISHA TESTING LABORATORY (OTL), PLOT NO.: 821, K-8, KALINGA NAGAR, GHATIKIA, KHANDAGIRI, KHURDHA, BHUBANESWAR, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8627 Page No. : 1 / 5

Validity 23/08/2019 to 22/08/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
<b>Permanent Facility</b>				
1	MECHANICAL-BUILDINGS MATERIALS	Bitumen Emulsion	Ductility at 27°C	IS 1208: 1978 RA 2014
2	MECHANICAL-BUILDINGS MATERIALS	Bitumen Emulsion	Penetration at 25°C	IS 1203 Part 3: 1978 RA 2014
3	MECHANICAL-BUILDINGS MATERIALS	Bituminous Mix	Binder Content	IRC SP 112: 2017
4	MECHANICAL-BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow	ASTM D6927: 2015
5	MECHANICAL-BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D6927: 2015
6	MECHANICAL-BUILDINGS MATERIALS	Building Bricks	Compressive Strength	IS 3495 Part 1: 1992 RA: 2016
7	MECHANICAL-BUILDINGS MATERIALS	Building Bricks	Dimensions	IS 1077: 1992 RA 2016
8	MECHANICAL-BUILDINGS MATERIALS	Building Bricks	Efflorescence	IS 3495 Part 3: 1992 RA 2016
9	MECHANICAL-BUILDINGS MATERIALS	Building Bricks	Water Absorption	IS 3495 Part 2: 1992 RA 2016
10	MECHANICAL-BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 Part 6: 1988 RA : 2019



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11	MECHANICAL-BUILDINGS MATERIALS	Cement	Final Settings Time	IS 4031 Part 5: 1988 RA 2019
12	MECHANICAL-BUILDINGS MATERIALS	Cement	Fineness by Dry Sieving	IS 4031 Part 1: 1996 RA 2016
13	MECHANICAL-BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 Part 5: 1988 RA 2019
14	MECHANICAL-BUILDINGS MATERIALS	Cement	Normal Consistency	IS 4031 Part 4: 1988 RA 2019
15	MECHANICAL-BUILDINGS MATERIALS	Cement	Soundness by Le-Chateliers Method	IS 4031 Part 3: 1988 RA 2019
16	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	10% Fines Value	IS 2386 Part 4: 1963 RA 2016; Clause 3.0
17	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value by Los Angeles	IS 2386 Part 4: 1963 RA 2016; Clause 5.2
18	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Crushing Value	IS 2386 Part 4: 1963 RA 2016; Clause 2.0
19	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Combined Flakiness & Elongation Index	IS 2386 Part 1: 1963 RA 2016
20	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Materials	IS 2386 Part 2: 1963 RA 2016



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21	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 to 63 mm)	IS 2386 Part 1: 1963 RA: 2016
22	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 Part 3: 1963 RA 2016; Clause 2.0
23	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 Part 3: 1963 RA 2016
24	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate Impact Value	Aggregate Impact Value	IS 2386 Part 4: 1963 RA 2016; Clause 4.0
25	MECHANICAL-BUILDINGS MATERIALS	Concrete Paving Block	Compressive Strength	IS 15658: 2006 Annex D RA : 2017
26	MECHANICAL-BUILDINGS MATERIALS	Concrete Paving Block	Water Absorption	IS 15658: 2006 RA 2017; Annex C
27	MECHANICAL-BUILDINGS MATERIALS	Concrete Tiles	Resistance to Wear	IS 1237: 2012 RA 2017
28	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (0.075 to 10 mm)	IS 2386 Part 1: 1963 RA : 2016
29	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Silt Content	CPWD Specifications - Volume 9; Clause 3.2.3.1: 2009
30	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 Part 3: 1963 RA 2016; Clause 2.0



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31	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 Part 3: 1963 RA 2016; Clause 2.0
32	MECHANICAL-BUILDINGS MATERIALS	Fresh Concrete	Workability by Slump	IS 1199: 1959 RA 2013
33	MECHANICAL-BUILDINGS MATERIALS	Glazed / Ceramic Tiles	Dimensions	IS 13630 Part 1: 2006 RA 2017
34	MECHANICAL-BUILDINGS MATERIALS	Glazed / Ceramic Tiles	Water Absorption	IS 13630 Part 2: 2006 RA 2017
35	MECHANICAL-BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength of Cores	IS 516 Part 4: 2018
36	MECHANICAL-BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength of Cubes	IS 516: 1959 RA : 2013
37	MECHANICAL-BUILDINGS MATERIALS	Hardened Concrete	Flexural Strength of Beams	IS 516: 1959 RA : 2013
38	MECHANICAL-BUILDINGS MATERIALS	Paving Bitumen	Ductility at 25°C	IS 1208: 1978 RA 2014
39	MECHANICAL-BUILDINGS MATERIALS	Paving Bitumen	Penetration at 25°C	IS 1203: 1978 RA 2014
40	MECHANICAL-BUILDINGS MATERIALS	Paving Bitumen	Softening Point	IS 1205: 1978 RA : 2014



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41	MECHANICAL- BUILDINGS MATERIALS	Paving Bitumen	Specific Gravity	IS 1202: 1978 RA 2014
42	MECHANICAL- SOIL AND ROCK	Rock	Specific Gravity	IS 1122: 1974 RA 2017
43	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143: 1979 RA: 2016
44	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030: 1991 RA 2016
45	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 Part 16: 1987 RA : 2016
46	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 Part 40: 1977 RA 2016
47	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis by Dry & Wet Sieving (0.075 to 19 mm)	IS 2720 Part 4: 1985 RA : 2015
48	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction	IS 2720 Part 8: 1983 RA : 2015
49	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction	IS 2720 Part 7: 1980 RA : 2016
50	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit by Casagrade Apparatus	IS 2720 Part 5: 1985 RA 2015
51	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 Part 5: 1985 RA: 2015
52	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 Part 3 / Sec 1: 1980 RA 2016
53	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression - Cohesion	IS 2720 Part 11: 1993 RA: 2016
54	MECHANICAL- SOIL AND ROCK	Soil	Water Content by Oven Drying Method	IS 2720 Part 2: 1973 RA 2015