National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HINDUSTAN COLAS PRIVATE LIMITED, D500, TTC INDUSTRIAL AREA, TURBHE MIDC, NAVI MUMBAI, THANE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5856 **Page No** 1 of 3

Validity 08/08/2021 to 07/08/2023 **Last Amended on** 02/11/2021

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	Bitumen emulsion	Coagulation at Low temperature	IS 8887
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Coating Ability	IS 8887 (Annexure F)
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Distillation Test	IS 1213
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Particle Charge	IS 8887 (Annexure E)
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Penetration	IS 1203
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue by evaporation	IS 8887 (Annexure J)
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue on 600um	IS 8887 (Annexure B)
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Stability to mixing with Cement	IS 8887 (Annexure G)
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Storage Stability after 24Hrs	IS 8887 (Annexure D)
10	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Viscosity by Say bolt Furol Viscometer	IS 3117 (Annexure A)
11	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Water Miscibility	IS 8887 (Annexure H)
12	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Four-Point Bending Beam Test	EN12697-26B
13	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Hamburg Wheel Tracking Device test	EN12697-22B
14	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Marshall Stability Test	ASTM D6927
15	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Resilient Modulus Test	ASTM D7369
16	MECHANICAL- BUILDINGS MATERIALS	Bituminous material (Bitumen, Modified Bitumen)	Absolute Viscosity @ 60°C	IS 1206
17	MECHANICAL- BUILDINGS MATERIALS	Bituminous material (Bitumen, Modified Bitumen)	Complex Modulus (G*/Sind)	IRC SP : 53 (Annexure 1)
18	MECHANICAL- BUILDINGS MATERIALS	Bituminous material (Bitumen, Modified Bitumen)	Elastic Recovery	IS 15462

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19	MECHANICAL- BUILDINGS MATERIALS	Bituminous material (Bitumen, Modified Bitumen)	Flash Point	IS 1209
20	MECHANICAL- BUILDINGS MATERIALS	Bituminous material (Bitumen, Modified Bitumen)	Loss in heating in TFOT	IS 9382
21	MECHANICAL- BUILDINGS MATERIALS	Bituminous material (Bitumen, Modified Bitumen)	Solubility in Trichloroethylene	IS 1216
22	MECHANICAL- BUILDINGS MATERIALS	Bituminous Material (Bitumen, Modified Bitumen)	Ductility Test	IS 1208
23	MECHANICAL- BUILDINGS MATERIALS	Bituminous Material (Bitumen, Modified Bitumen)	Penetration	IS 1203
24	MECHANICAL- BUILDINGS MATERIALS	Bituminous Material (Bitumen, Modified Bitumen)	Softening Point	IS 1205
25	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mixtures	Bitumen content	ASTM D 2172-05
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact	IS 2386 (Part 4)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion	IS 2386 (Part 4)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS 2386 (Part1)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Stripping Test	IS 6241
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
34	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 um	IS 2386 (Part 1)
35	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	IS 2386 (Part 1)
36	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 1)

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38	MECHANICAL- BUILDINGS MATERIALS	Micro Surfacing (Cold Mix Bitumen)	Mixing Time	IRC SP 81
39	MECHANICAL- BUILDINGS MATERIALS	Micro Surfacing (Cold Mix Bitumen)	Wet cohesion within 30 min	IRC SP 81
40	MECHANICAL- BUILDINGS MATERIALS	Micro Surfacing (Cold Mix Bitumen)	Wet cohesion within 60 min	IRC SP 81
41	MECHANICAL- BUILDINGS MATERIALS	Micro Surfacing (Cold Mix Bitumen)	Wet Stripping % Passing min	IRC SP 81
42	MECHANICAL- BUILDINGS MATERIALS	Micro Surfacing (Cold Mix Bitumen)	Wet track abrasion loss (1 Hour Soak)	IRC SP 81