National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : NPS TEST HOUSE, PLOT NO 261, HSIIDC RAI, SONIPAT, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11174 **Page No** 1 of 5

Validity 17/11/2022 to 16/11/2024 **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	Bricks / Flyash Brick	Dimension (Height)	IS: 1077
2	MECHANICAL- BUILDINGS MATERIALS	Bricks / Flyash Bricks	Dimension (Lengh)	IS: 1077
3	MECHANICAL- BUILDINGS MATERIALS	Bricks /Flyash Brick	Efflorescence	IS: 3495 (P-3)
4	MECHANICAL- BUILDINGS MATERIALS	Bricks /Flyash Bricks	compressive Strength	IS: 3495 (P-1)
5	MECHANICAL- BUILDINGS MATERIALS	Bricks/ Flyash Bricks	Dimension (Width)	IS: 1077
6	MECHANICAL- BUILDINGS MATERIALS	Bricks/ Flyash Bricks	Water Absorption	IS: 3495 (P-2)
7	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Paver Blocks	Compressive Strength	IS: 15658
8	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Paver Blocks	Thickness	IS: 15658
9	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Paver Blocks	Water Absorption	IS: 15658
10	MECHANICAL- BUILDINGS MATERIALS	Ceramic tile	Breaking Strength	IS: 13630 (P-6)
11	MECHANICAL- BUILDINGS MATERIALS	Ceramic tile	Dimensions	IS: 13630 (P-1)
12	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile	Modulus of Rupture	IS:13630 (P-6)
13	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile	Water Absorption	IS: 13630 (P-2)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fines Value	IS: 2386(P-4)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS:2386 (P-3)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Strength	IS:2386 (P-4)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS: 2386 (P-1)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS:2386 (P-1)

SCOPE OF ACCREDITATION

Laboratory Name : NPS TEST HOUSE, PLOT NO 261, HSIIDC RAI, SONIPAT, HARYANA, INDIA
Accreditation Standard ISO/IEC 17025:2017
Certificate Number TC-11174 **Page No** 2 of 5
Validity 17/11/2022 to 16/11/2024 **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
19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS:2386 (P-4)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS:2386(P-4)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Moisture Content	IS: 2386 (P-3)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75mm to 80mm)	IS:2386 (P-1)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS: 2386 (P-3)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Total Deleterious Material (Clay Lumps)	IS: 2386 (P-2)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Total Deleterious Material (Coal & Lignite)	IS: 2386 (P-2)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Total Deleterious Material (material Finer than 75 micron)	IS: 2386 (P-2)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS: 2386 (P-3)
28	MECHANICAL- BUILDINGS MATERIALS	Concrete ACT Cube	Compressive strength	IS: 9013
29	MECHANICAL- BUILDINGS MATERIALS	Concrete Core Test	Concrete Core Test	IS: 516:(P-4)
30	MECHANICAL- BUILDINGS MATERIALS	Cube	Compressive Strength	IS: 516
31	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (150mm to 10mm)	IS: 2386 (P-1)
32	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS: 2386 (P-3)
33	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Moisture Content	IS: 2386 (P-3)
34	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt Content	CPWD Vol-1
35	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS: 2386 (P-3)
36	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Total Deleterious Material (Clay Lumps)	IS: 2386 (P-2)
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Total Deleterious Material (Coal Lignite)	IS: 2386 (P-2)

SCOPE OF ACCREDITATION

Laboratory Name : NPS TEST HOUSE, PLOT NO 261, HSIIDC RAI, SONIPAT, HARYANA, INDIA
Accreditation Standard ISO/IEC 17025:2017
Certificate Number TC-11174 **Page No** 3 of 5
Validity 17/11/2022 to 16/11/2024 **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
38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Total Deleterious Material (Material finer than 75 Micron	IS: 2386 (P-2)
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS: 2386 (P-3)
40	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Workability by Slump test	IS: 1199 (P-2)
41	MECHANICAL- BUILDINGS MATERIALS	Ordinary portland cement, Portland pozzolana cement	Compressive Strength	IS: 4031(P-6)
42	MECHANICAL- BUILDINGS MATERIALS	Ordinary portland cement, Portland pozzolana cement	consistency	IS 4031 (P-4)
43	MECHANICAL- BUILDINGS MATERIALS	Ordinary portland cement, Portland pozzolana cement	Final Setting Time	IS: 4031 (P-5)
44	MECHANICAL- BUILDINGS MATERIALS	Ordinary portland cement, Portland pozzolana cement	Fineness by Air Permeability Apparatus	IS: 4031(P-2)
45	MECHANICAL- BUILDINGS MATERIALS	Ordinary portland cement, Portland pozzolana cement	Initial Setting Time	IS:4031 (P-5)
46	MECHANICAL- BUILDINGS MATERIALS	Ordinary portland cement, Portland pozzolana cement	Soundness by Le-Chatiler Method	IS: 4031:(P-3)
47	MECHANICAL- BUILDINGS MATERIALS	Ordinary portland cement, Portland pozzolana cement	Specific Gravity	IS: 4031 (P-11)
48	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Re-Bend Mandrel size (mm) 28,30,40,36,45,48,56,60, 64,75,84,96,100,108,112, 120,125,140,160,168.	IS: 1786
49	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel/ Structure Steel/S.S. Steel	Bend Test Mandrel size (mm) 28,30,40,36,45,48,56, 60,64,75,84,96,100,108,112, 120,125,140,160,168.	IS: 1599
50	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel/ Structure Steel/S.S. Steel	Dimensions	IS: 808
51	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel/ Structure Steel/S.S. Steel	Elongation	IS: 1608 (P-1)
52	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel/ Structure Steel/S.S. Steel	Nominal Mass	IS: 1786
53	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel/ Structure Steel/S.S. Steel	Tensile Strength	IS: 1608 (P-1)
54	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel/ Structure Steel/S.S. Steel	Yield stress	IS: 1608 (P-1)

SCOPE OF ACCREDITATION

Laboratory Name : NPS TEST HOUSE, PLOT NO 261, HSIIDC RAI, SONIPAT, HARYANA, INDIA
Accreditation Standard ISO/IEC 17025:2017
Certificate Number TC-11174 **Page No** 4 of 5
Validity 17/11/2022 to 16/11/2024 **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
55	MECHANICAL- SOIL AND ROCK	Soil	Light Maximum Dry Density	IS: 2720 (P-7)
56	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS: 2720 (P-16)
57	MECHANICAL- SOIL AND ROCK	Soil	Grain size Analysis (4.75mm-0.075mm)	IS: 2720 (P-5)
58	MECHANICAL- SOIL AND ROCK	Soil	Heavy Maximum Dry Density	IS: 2720 (P-8)
59	MECHANICAL- SOIL AND ROCK	Soil	Heavy Optimum Moisture content	IS: 2720 (P-8)
60	MECHANICAL- SOIL AND ROCK	Soil	Light Optimum Moisture content	IS: 2720 (P-7)
61	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS: 2720 (P-5)
62	MECHANICAL- SOIL AND ROCK	Soil	Plastic limit	IS: 2720 (P-5)

SCOPE OF ACCREDITATION

Laboratory Name : NPS TEST HOUSE, PLOT NO 261, HSIIDC RAI, SONIPAT, HARYANA, INDIA
Accreditation Standard ISO/IEC 17025:2017
Certificate Number TC-11174 **Page No** 5 of 5
Validity 17/11/2022 to 16/11/2024 **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
Site Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75mm to 80mm)	IS:2386 (P-1)
2	MECHANICAL- BUILDINGS MATERIALS	Concrete Core Test	Concrete Core Test	IS: 516:(P-4)
3	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (150mm to 10mm)	IS: 2386 (P-1)
4	MECHANICAL- SOIL AND ROCK	Soil	Density By Core Cutter Method	IS: 2720 (P-29)
5	MECHANICAL- SOIL AND ROCK	Soil	Density by Sand replacement Method	IS:2720 (P-28)
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC Structure	Rebound Hammer Test	IS :516 (P-5, Sec-4)
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC Structure	Ultrasonic Plus Velocity	IS: 516(P-5, Sec-1)