National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GLOBAL TEST HOUSE, A-11, NARESH PARK EXTN., NAJAFGARH ROAD, NANGLOI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6333 **Page No** 1 of 12

Validity 23/08/2021 to 22/08/2023 **Last Amended on** 11/10/2021

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	CHEMICAL- BUILDING MATERIAL	ADMIXTURE	Ash Content	IS: 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride ion content	IS: 9103
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS: 9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	PH- Value	IS:9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS: 9103
6	CHEMICAL- BUILDING MATERIAL	Aggregate	Alkali Reactivity(Dissolved Silica)	IS: 2386 Part 7
7	CHEMICAL- BUILDING MATERIAL	Aggregate	Alkali Reactivity(Reduction In Alkalinity)	IS:2386 Part 7
8	CHEMICAL- BUILDING MATERIAL	Aggregates	Chloride contents	IS: 2386
9	CHEMICAL- BUILDING MATERIAL	Aggregates	Sulphate content	IS: 2386
10	CHEMICAL- BUILDING MATERIAL	HYDRAULIC CEMENT, OPC , PPC , PSC CEMENT	ALUMINA OXIDE	IS: 4032
11	CHEMICAL- BUILDING MATERIAL	HYDRAULIC CEMENT, OPC , PPC , PSC CEMENT	CHLORIDE	IS:4032
12	CHEMICAL- BUILDING MATERIAL	HYDRAULIC CEMENT, OPC , PPC , PSC CEMENT	INSOLUBLE RESIDUE	IS:4032
13	CHEMICAL- BUILDING MATERIAL	HYDRAULIC CEMENT, OPC , PPC , PSC CEMENT	IRON OXIDE	IS:4032
14	CHEMICAL- BUILDING MATERIAL	HYDRAULIC CEMENT, OPC , PPC , PSC CEMENT	LIME/ CALCIUM OXIDE	IS:4032
15	CHEMICAL- BUILDING MATERIAL	HYDRAULIC CEMENT, OPC , PPC , PSC CEMENT	MAGNESIUM OXIDE	IS: 4032
16	CHEMICAL- BUILDING MATERIAL	HYDRAULIC CEMENT, OPC , PPC , PSC CEMENT	SILICA OXIDE	IS:4032
17	CHEMICAL- BUILDING MATERIAL	HYDRAULIC CEMENT, OPC , PPC , PSC CEMENT	TOTAL SULPHURIC ANHYDRIDE	IS:4032
18	CHEMICAL- BUILDING MATERIAL	OPC, PPC, PSC	LOSS OF IGNITION	IS:4032

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6333 **Page No** 2 of 12

Validity 23/08/2021 to 22/08/2023 **Last Amended on** 11/10/2021

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
19	CHEMICAL- METALS & ALLOYS	ALLOY STEEL	CHROMIUM	IS:228
20	CHEMICAL- METALS & ALLOYS	ALLOY STEEL	COPPER	IS:228
21	CHEMICAL- METALS & ALLOYS	ALLOY STEEL	MOLYBDENUM	IS:228
22	CHEMICAL- METALS & ALLOYS	ALLOY STEEL	NICKEL	IS:228
23	CHEMICAL- METALS & ALLOYS	CARBON STEEL	CARBON	IS:228 PART 6
24	CHEMICAL- METALS & ALLOYS	CARBON STEEL	Chromium	IS :228 PART 6
25	CHEMICAL- METALS & ALLOYS	CARBON STEEL	Manganese	IS:228
26	CHEMICAL- METALS & ALLOYS	CARBON STEEL	MOLYBDENUM	IS-228 PART 7
27	CHEMICAL- METALS & ALLOYS	CARBON STEEL	NICKEL	IS-228 PART 5
28	CHEMICAL- METALS & ALLOYS	CARBON STEEL	PHOSPHORUS	IS:228
29	CHEMICAL- METALS & ALLOYS	CARBON STEEL	SILICON	IS:228
30	CHEMICAL- METALS & ALLOYS	CARBON STEEL	SULPHUR	IS-228 PART 9
31	CHEMICAL- METALS & ALLOYS	CAST IRON	CARBON	IS:228
32	CHEMICAL- METALS & ALLOYS	CAST IRON	MANGANESE	IS:228 P-2
33	CHEMICAL- METALS & ALLOYS	CAST IRON	PHOSPHORUS	IS:228
34	CHEMICAL- METALS & ALLOYS	CAST IRON	SILICON	IS:228
35	CHEMICAL- METALS & ALLOYS	CAST IRON	SULPHUR	IS:228
36	CHEMICAL- METALS & ALLOYS	Coating sample	Anodic Coating,	IS 5523
37	CHEMICAL- METALS & ALLOYS	Galvanizing Steel	Adhesion of Coating,	IS: 2629

SCOPE OF ACCREDITATION

Laboratory Name : GLOBAL TEST HOUSE, A-11, NARESH PARK EXTN., NAJAFGARH ROAD, NANGLOI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6333 **Page No** 3 of 12

Validity 23/08/2021 to 22/08/2023 **Last Amended on** 11/10/2021

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
38	CHEMICAL- METALS & ALLOYS	Galvanizing Steel	Mass of Zinc Coating -	IS:6745, IS-4454
39	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEEL	CARBON	IS:228
40	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEEL	CHROMIUM	IS-228 PART 6
41	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEEL	MANGANESE	IS:228 P-2
42	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEEL	MOLYBDENUM	IS 228 PART 7
43	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEEL	PHOSPHORUS	IS:228
44	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEEL	SILICON	IS:228
45	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEEL	SULPHUR	IS: 228
46	CHEMICAL- METALS & ALLOYS	LOW ALOY STEEL	Nickel	IS:228 PART 5
47	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	CARBON	IS:228
48	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	CHROMIUM	IS:228
49	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	COPPER	IS:228
50	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	MANGANESE	IS:228 P-2
51	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	MOLYBDENUM	IS:228
52	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	NICKEL	IS:228
53	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	PHOSPHORUS	IS:228
54	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	SILICON	IS:228
55	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	SULPHUR	IS:228
56	MECHANICAL- BUILDINGS MATERIALS	AUTOCLAVE CELLULAR CONCRETE PRODUCTS	COMPRESSIVE STRENGTH	IS 6441

SCOPE OF ACCREDITATION

Laboratory Name :	GLOBAL TEST HOUSE, A-11, NARESH PARK EXTN., NAJAFGARH ROAD, NANGLOI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6333	**Page No**	4 of 12
Validity	23/08/2021 to 22/08/2023	**Last Amended on**	11/10/2021

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
57	MECHANICAL- BUILDINGS MATERIALS	AUTOCLAVED CELLULAR CONCRETE PRODUCTS	BLOCK DENSITY	IS 6441
58	MECHANICAL- BUILDINGS MATERIALS	AUTOCLAVED CELLULAR CONCRETE PRODUCTS	DRYING SHRINKAGE	IS:6441
59	MECHANICAL- BUILDINGS MATERIALS	AUTOCLAVED CELLULAR CONCRETE PRODUCTS	moisture content	IS:6441
60	MECHANICAL- BUILDINGS MATERIALS	BLOCK BOARD	Dimension Change Caused By Humidity (Length And Thickness)	IS- 1659
61	MECHANICAL- BUILDINGS MATERIALS	BLOCK BOARD	Dimension of Length, Width, Thickness	IS: 1659
62	MECHANICAL- BUILDINGS MATERIALS	BLOCK BOARD	Edge Straightness and Sugariness	IS:1659
63	MECHANICAL- BUILDINGS MATERIALS	BRICK (BURNT CLAY)	Compressive Strength	IS 3495 (Part 1)
64	MECHANICAL- BUILDINGS MATERIALS	Burnt clay brick	dimension(thickness)	IS1077
65	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	DIMENSION -Length	IS 1077
66	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Efflorescence	IS 3495 (Part 3)
67	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	WARPAGE	IS 3495 Pt4
68	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Water Absorption	IS 3495 (Part 2)
69	MECHANICAL- BUILDINGS MATERIALS	CAST ABLE CUBE	Bulk Density	IS:10570
70	MECHANICAL- BUILDINGS MATERIALS	CAST ABLE CUBE	Compressive Strength	IS:10570
71	MECHANICAL- BUILDINGS MATERIALS	CC CUBE	COMPRESSIVE STRENGTH	IS:516
72	MECHANICAL- BUILDINGS MATERIALS	CEMENT	CONSISTENCY	IS 4031
73	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Bulk Density	IS:1237
74	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	DIMENSION (A) LENGTH, (B) WIDTH , (C) HEIGHT .	IS:1237

SCOPE OF ACCREDITATION

Laboratory Name : GLOBAL TEST HOUSE, A-11, NARESH PARK EXTN., NAJAFGARH ROAD, NANGLOI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6333 **Page No** 5 of 12

Validity 23/08/2021 to 22/08/2023 **Last Amended on** 11/10/2021

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
75	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Flatness Of Tile Surface	IS:1237
76	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Perpendicularity	IS:1237
77	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Resistance To Wear	IS:1237
78	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Straightness Flatness	iS:1237
79	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Water Absorption	IS 1237
80	MECHANICAL- BUILDINGS MATERIALS	CEMENT CONCRETE PAVING BLOCKS	compressive strength	IS 15658
81	MECHANICAL- BUILDINGS MATERIALS	CEMENT CONCRETE PAVING BLOCKS	Dimensions of length	IS 15658
82	MECHANICAL- BUILDINGS MATERIALS	CEMENT CONCRETE PAVING BLOCKS	Dimensions Thickness of wearing layer	IS 15658
83	MECHANICAL- BUILDINGS MATERIALS	CEMENT CONCRETE PAVING BLOCKS	Water absorption	IS 15658
84	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Bulk Density	IS:13630
85	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Moisture Expansion Using Boiling Water -	IS:13630
86	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	IMPACT VALUE	IS 2386
87	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	10% FINES	IS 2386
88	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	BULK DENSITY	IS 2386
89	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	CRUSHING VALUE	IS 2386
90	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	ELONGATION INDEX	IS 2386
91	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	FLAKINESS INDEX	IS 2386
92	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	LOS ANGLES ABRASION	IS 2386
93	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	MOISTURE CONTENT	IS 2386

SCOPE OF ACCREDITATION

Laboratory Name : GLOBAL TEST HOUSE, A-11, NARESH PARK EXTN., NAJAFGARH ROAD, NANGLOI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6333 **Page No** 6 of 12

Validity 23/08/2021 to 22/08/2023 **Last Amended on** 11/10/2021

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
94	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	ORGANIC IMPURITIES	IS 2386
95	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	SIEVE ANALYSIS(75,63,40.20.12.510, 0,4.75,2.36, 1.18mm & IN MICRONS 600.300,150,75	IS 2386
96	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	SOUNDNESS TEST (NAS04 SOLN = 0.1 TO 20% ,MGSO4 SOLN = 0.1 TO 20%)	IS 2386
97	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	SPECIFIC GRAVITY	IS 2386
98	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	WATER ABSORPTION	IS 2386
99	MECHANICAL- BUILDINGS MATERIALS	COMMON BURNT CLAY BUILDING .BRICKS -	DIMENSION - WIDTH	IS: 1077
100	MECHANICAL- BUILDINGS MATERIALS	Concrete	Concrete Ability To Resist Chloride Ion Penetration (RCPT)	IS:516
101	MECHANICAL- BUILDINGS MATERIALS	Concrete	SLUMP	IS:1199
102	MECHANICAL- BUILDINGS MATERIALS	concrete	WATER PERMEBILITY TEST (WPT)	DIN-1048(PART 5), ASTM D4491
103	MECHANICAL- BUILDINGS MATERIALS	CONCRETE DEPTH OF PENETRATION OF WATER	Compressive Strength (Core Testing)	IS:516 Pt-4
104	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	BULK DENSITY	IS 2386 Part 3
105	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	BULKING	IS:2386 Part 3
106	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	CLAY LUMPS	IS 2386 Part 2
107	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	MATERIAL FINNER THAN 75 MICRON	IS 2386
108	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	MOISTURE CONTENT	IS 2386 Part 3
109	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	ORGANIC IMPURITIES	IS 2386 Part 2
110	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	SIEVE ANALYSIS (10,4.75,2.36,1.18mm & MICRONS 600,300,150,75)	IS 2386 Part 1

SCOPE OF ACCREDITATION

Laboratory Name : GLOBAL TEST HOUSE, A-11, NARESH PARK EXTN., NAJAFGARH ROAD, NANGLOI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6333 **Page No** 7 of 12

Validity 23/08/2021 to 22/08/2023 **Last Amended on** 11/10/2021

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
111	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	SOUNDNESS TEST (NAS04 SOLN = 0.1 TO 20% ,MGSO4 SOLN = 0.1 TO 20%)	IS 2386 Part 5
112	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	SPECIFIC GRAVITY	IS 2386 Part 3
113	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	TOTAL DELETERIOUS MATERIAL	IS 2386
114	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	WATER ABSORPTION	IS 2386 Part 3
115	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	DIMENSION - L/W/H	IS 12894
116	MECHANICAL- BUILDINGS MATERIALS	GRANULAR SUB BASE	GRADING (SIEVE ANALYSIS)(80.0,75.0,63.0,53.0, 45.0,23.5,13.2,9.5,4.75,1.18,m m &600,450,300.75microns)	IS 2386
117	MECHANICAL- BUILDINGS MATERIALS	GRANULAR SUB BASE	LOS ANGLES ABRASION	IS 2386
118	MECHANICAL- BUILDINGS MATERIALS	gypsum board	Water Resistance	IS:1734
119	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC/PSC) CEMENT	Compressive Strength 168 ± 2 Hrs	IS 4031
120	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC/PSC) CEMENT	Setting time (b) Final	IS 4031
121	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC/PSC) CEMENT	SETTING TIMES (INITIAL)	IS 4031
122	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC/PSC) CEMENT	Compressive Strength 672 ± 4 Hrs	IS 4031
123	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC/PSC) CEMENT	Compressive Strength 72 ± 1 Hrs	IS 4031
124	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC/PSC) CEMENT	DENSITY	IS 4031
125	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC/PSC) CEMENT	Fineness Blaine’s Method	IS 4031
126	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC/PSC) CEMENT	Soundness (a) Le chatlier	IS 4031
127	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (OPC/PPC/PSC) CEMENT	Soundness Autoclave	IS 4031
128	MECHANICAL- BUILDINGS MATERIALS	Indoor post insulators of organic material	compressive strength	IS:9434

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6333 **Page No** 8 of 12

Validity 23/08/2021 to 22/08/2023 **Last Amended on** 11/10/2021

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129	MECHANICAL- BUILDINGS MATERIALS	MARBLE (BLOCKS, SLABS AND TILES)	Moisture absorption	IS:1130
130	MECHANICAL- BUILDINGS MATERIALS	MARBLE (BLOCKS, SLABS AND TILES)	Specific gravity	IS: 1130
131	MECHANICAL- BUILDINGS MATERIALS	MASONRY MORTAR	COMPRESSIVE STRENGTH	IS:2250
132	MECHANICAL- BUILDINGS MATERIALS	MASONRY MORTAR	WATER RETENTIVITY	IS: 2250
133	MECHANICAL- BUILDINGS MATERIALS	NATURAL BUILDING STONES	COMPRESSIVE STRENGTH	IS 1122
134	MECHANICAL- BUILDINGS MATERIALS	NATURAL BUILDING STONES	MOISTURE CONTENT	IS 13030
135	MECHANICAL- BUILDINGS MATERIALS	NATURAL BUILDING STONES	Moisture / Water absorption	IS:1124
136	MECHANICAL- BUILDINGS MATERIALS	NATURAL BUILDING STONES	Porosity (True & Apparent)	is 1124
137	MECHANICAL- BUILDINGS MATERIALS	NATURAL BUILDING STONES	specific gravity	IS 1122
138	MECHANICAL- BUILDINGS MATERIALS	Pozzolana Material (Fly Ash)	Compressive strength	IS 1727
139	MECHANICAL- BUILDINGS MATERIALS	Pozzolana Material (Fly Ash)	LIME REACTIVITY	IS 1727
140	MECHANICAL- BUILDINGS MATERIALS	Pozzolana Material (Fly Ash)	Residue 45 micron (Wet Sieving)	IS:1727
141	MECHANICAL- BUILDINGS MATERIALS	Pozzolana Material (Fly Ash)	Soundness Autoclave expansion	IS:1727
142	MECHANICAL- BUILDINGS MATERIALS	Pozzolana Material (Fly Ash)	Specific Gravity	IS:1727
143	MECHANICAL- BUILDINGS MATERIALS	TAR AND BITUMINOUS MATERIALS	DUCTILITY	IS:1202
144	MECHANICAL- BUILDINGS MATERIALS	TAR AND BITUMINOUS MATERIALS	FLUSH POINT	IS:1209
145	MECHANICAL- BUILDINGS MATERIALS	TAR AND BITUMINOUS MATERIALS	PENETRATION	IS: 1203
146	MECHANICAL- BUILDINGS MATERIALS	TAR AND BITUMINOUS MATERIALS	SOFTENING POINT	IS:1205
147	MECHANICAL- BUILDINGS MATERIALS	TAR AND BITUMINOUS MATERIALS	SPECIFIC GRAVITY	IS:1202

SCOPE OF ACCREDITATION

Laboratory Name :	GLOBAL TEST HOUSE, A-11, NARESH PARK EXTN., NAJAFGARH ROAD, NANGLOI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6333	**Page No**	9 of 12
Validity	23/08/2021 to 22/08/2023	**Last Amended on**	11/10/2021

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
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Steel Metals(Withstand Welder Qualification Test)	Charpy Impact (V-Notch) Test	ASTM A-370
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Steel Metals(Withstand Welder Qualification Test)	Elongation (%)	IS:3600 (PART 3)
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Steel Metals(Withstand Welder Qualification Test)	Fillet Weld Fracture Test	IS:3600 PART 1
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Steel Metals(Withstand Welder Qualification Test)	ULTIMATE TENSILE STRENGTH	ASME SEC-IX
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Steel Metals(Withstand Welder Qualification Test)	ULTIMATE TENSILE STRENGTH	IS-3600
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS AND STEEL METALS (WITHSTAND WELDER QUALIFICATION TEST)	Bend Test (A) Root Bend, (B)Face Bend, (C) Side Bend	ASME -SEC-IX
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS AND STEEL METALS(WITHSTAND WELDER QUALIFICATION TEST)	Charpy Impact (V-Notch) Test	IS: 1757 part 1
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bar & Wires for Concrete Reinforcement	Dimension (A) Length,(B) Width (C) Thickness (D) O.D	IS:808
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bar &Wires for Concrete Reinforcement	MASS PER UNIT LENGHT	IS:1786
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bar &Wires for Concrete Reinforcement	ULTIMATE TENSILE STRENGTH	IS:1608 pt-1
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HIGH STRENTH DEFORMED STEEL BARS AND WIRES	Re-Bend Test (Mandrel size:56mm,70mm,96mm,128mm,160mm,200mm.224mm,256mm,288mm,320mm)	IS 1786
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METAL	ALL-WELD TENSILE Strength	IS 7307
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METAL	BEND TEST	IS 7307

SCOPE OF ACCREDITATION

Laboratory Name :	GLOBAL TEST HOUSE, A-11, NARESH PARK EXTN., NAJAFGARH ROAD, NANGLOI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6333	**Page No**	10 of 12
Validity	23/08/2021 to 22/08/2023	**Last Amended on**	11/10/2021

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
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METAL	COUPLER TEST	IS 16172
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METAL	FACE BEND	IS 7307
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METAL	FILLET WELD STRUCTURE	IS 7307
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METAL	HARDNESS SURVEY	IS 7307
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METAL	PULL OUT TEST	IS:2770 PART 1
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METAL	ROOT BEND	IS 7307
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METAL	SIDE BEND (FOR MATERIAL AT MEAST 10MM THICK)	IS 7307
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METAL	TENSILE Strength	IS 7307
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METAL	TRANSVERSE TENSILE Strength	IS 7307
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METAL (WELDED)	All Weld Tensile Strength	ASME SEC-IIC
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METAL (WELDED)	Charpy Impact (V-Notch) Test	ASME SEC- IIC
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METAL (WELDED)	Elongation (%)	ASME SEC-IIC
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METAL (WELDED)	Transverse Tensile Strength	ASME SEC-IX
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METAL WELDED	Reduction of Area (%)	ASME SEC-IIC

SCOPE OF ACCREDITATION

Laboratory Name :	GLOBAL TEST HOUSE, A-11, NARESH PARK EXTN., NAJAFGARH ROAD, NANGLOI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6333	**Page No**	11 of 12
Validity	23/08/2021 to 22/08/2023	**Last Amended on**	11/10/2021

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
175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METAL WELDED	Transverse Tensile Strength	ASME SEC- IIC
176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness (HRB)	IS :1586
177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness (HRB)	ASTM E-18
178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness (HRC)	IS 1586
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness (HRC)	ASTM E-18
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous materials, alloys & products)	Bend Test (Mandrel size:2mm,3mm,4mm,6mm,8mm,10mm,20mm,30mm,40mm,50mm,60mm,80mm,100mm,150mm,168mm,192mm,216mm,240mm)	IS:1599
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous materials, alloys & products)	Charpy V-Notch Impact Test (35 °C to -196 °C)	ASTM A-370
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous materials, alloys & products)	Charpy V-Notch Impact Test (35 °C to -196 °C)	IS 1757 Part-I:
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous materials, alloys & products)	ULTIMATE TENSILE STRENGTH	ASTM E8/E8M
184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous materials, alloys & products)	ULTIMATE TENSILE STRENGTH	ASTM E8/E8M:
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, Pipes, Forgings, Casting, Structure Steel, Welding, Fitting	Elongation (%)	IS:1608 PT-1
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, Pipes, Forgings, Casting, Structure Steel, Welding, Fitting	Bend Test (Mandrel size:2,3,4,6,8,10,20,30,32,40,42, 48,50,54,60,64,72,80,91,100,112, 150,168,172,192,216,224 & 240 mm)	IS:1599

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Certificate Number	TC-6333	**Page No**	12 of 12
Validity	23/08/2021 to 22/08/2023	**Last Amended on**	11/10/2021

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
187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, Pipes, Forgings, Casting, Structure Steel, Welding, Fitting	ULTIMATE TENSILE STRENGTH	IS:1608 PT1
188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, Pipes, Forgings, Casting, Structure Steel, Welding, Fitting	YIELD STRESS	IS:1608 pt-1
189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Bend Test (Mandrel size:2,3,4,6,8,10,20,30,32,40,42, 48,50,54,60,64,72,80,91,100,112, 150,168,172,192,216,224 & 240 mm)	ASTM A370
190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wire Rope & Strands	Breaking Load	ASTM A370
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wire Rope & Strands	Breaking Load	IS:6594
192	MECHANICAL-METALLOGRAPHY TEST	Plate, Pipes, Forgings, Casting, Structure Steel, Welding, Fitting	Reduction Area (%)	IS 1608 Pt-1
193	MECHANICAL-METALLOGRAPHY TEST	Plate, Pipes, Forgings, Casting, Structure Steel, Welding, Fitting	Reduction Area (%)	ASTM A-370
194	MECHANICAL-METALLOGRAPHY TEST	Plate, Pipes, Forgings, Casting, Structure Steel, Welding, Fitting	Fracture Test	IS:7310
195	MECHANICAL-METALLOGRAPHY TEST	REINFORCEMENT COUPLERS	Location Of Fracture	IS :16172
196	MECHANICAL-METALLOGRAPHY TEST	STRUCTURED STEEL, PIPES, STEEL TUBE	MASS	IS:1239