National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GLOBAL TESTING AND RESEARCH LABORATORY, SAGUNA MOHALLA, MAIN BAILEY ROAD, DANAPUR CANTT., PATNA, BIHAR, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 19/12/2021 to 18/12/2023 **Last Amended on** 16/05/2023

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- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide (NO2)	IS 5182 (Part 6) (RA 2017)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM 10	IS 5182 (Part 23) (RA 2017)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide	IS 5182 (Part 2) (RA 2017)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM 2.5	IS 5182 (Part -24)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise	Ambient Noise Level Monitoring	IS 9989 (RA 2020)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Nitrogen Dioxide (NO2)	IS 11255(Part 7) (RA 2017)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate matter	IS 11255 (Part 1) (RA 2019)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide (SO2)	IS 11255 (Part 2) (RA 2019)
9	CHEMICAL- BUILDING MATERIAL	Bentonite	pH	IS 6186 (RA 2020)
10	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, Port land Slag cement)	Alumina (Al2O3)	IS 4032 (RA 2019)
11	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, Port land Slag cement)	Calcium Oxide (CaO)	IS: 4032 (RA 2019)
12	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, Port land Slag cement)	Chloride	IS 4032 (RA 2019)
13	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, Port land Slag cement)	Insoluble residue	IS 4032 (RA 2019)
14	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, Port land Slag cement)	Iron oxide (Fe2O3)	IS 4032 (RA 2019)
15	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, Port land Slag cement)	Loss on ignition (LOI)	IS 4032 (RA 2019)
16	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, Port land Slag cement)	Magnesia (MgO)	IS 4032 (RA 2019)
17	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, Port land Slag cement)	Silica (SiO2)	IS 4032 (RA 2019)
18	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, Port land Slag cement)	Sulphuric anhydride (SO3)	IS 4032 (RA 2019)

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19	CHEMICAL- BUILDING MATERIAL	Construction Chemical (Admixture)	Ash Content	IS 9103 (RA 2018)
20	CHEMICAL- BUILDING MATERIAL	Construction Chemical (Admixture)	Chloride	IS 6925 (RA 2018)
21	CHEMICAL- BUILDING MATERIAL	Construction Chemical (Admixture)	Dry Material Content	IS 9103 (RA 2018)
22	CHEMICAL- BUILDING MATERIAL	Construction Chemical (Admixture)	pH	IS 9103 (RA 2018)
23	CHEMICAL- BUILDING MATERIAL	Construction Chemical (Admixture)	Relative Density	IS 9103 (RA 2018)
24	CHEMICAL- BUILDING MATERIAL	Fly Ash	AL2O3 + Fe2O3	IS 1727 (RA 2018)
25	CHEMICAL- BUILDING MATERIAL	Fly ash	Available Alkali K2O	IS 3812 (Part - 1) , RA 2017 : 2013 / IS 4032 (RA 2019)
26	CHEMICAL- BUILDING MATERIAL	Fly ash	Available Alkali Na2O	IS 3812 (Part - 1) , RA 2017 : 2013 / IS 4032
27	CHEMICAL- BUILDING MATERIAL	Hardened concrete	Potassium oxide	BS 1881 (part 124) (RA 2015)
28	CHEMICAL- BUILDING MATERIAL	Hardened concrete	Sodium oxide	BS 1881 (part 124) (RA 2015)
29	CHEMICAL- BUILDING MATERIAL	Hardened Concrete	Sulphate	BS 1881 (part 124) (RA 2015)
30	CHEMICAL- BUILDING MATERIAL	Hardened concrte	Chloride	BS 1881 (Part 124) (RA 2015)
31	CHEMICAL- BUILDING MATERIAL	Micro Silica	Alkalies	IS 4032 (RA 2019)
32	CHEMICAL- BUILDING MATERIAL	Micro Silica	Loss on Ignition	IS 1727 (RA 2018)
33	CHEMICAL- BUILDING MATERIAL	Micro Silica	Moisture	IS 15388 (RA 2017)
34	CHEMICAL- BUILDING MATERIAL	Micro Silica	SiO2	IS 1727 (RA 2018)
35	CHEMICAL- BUILDING MATERIAL	OPP / PPC cement	Water soluble alkali as NA2O	IS 4032 (RA 2019)
36	CHEMICAL- BUILDING MATERIAL	Pozzollana Material (Fly Ash)	Alumina (Al2O3)	IS 1727 (RA 2018)
37	CHEMICAL- BUILDING MATERIAL	Pozzollana Material (Fly Ash)	Calcium oxide (Cao)	IS 1727 (RA 2018)

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38	CHEMICAL- BUILDING MATERIAL	Pozzollana Material (Fly Ash)	Iron oxide (Fe2O3)	IS 1727 (RA 2018)
39	CHEMICAL- BUILDING MATERIAL	Pozzollana Material (Fly Ash)	Loss on ignition (LOI)	IS 1727 (RA 2018)
40	CHEMICAL- BUILDING MATERIAL	Pozzollana Material (Fly Ash)	Magnesia (MgO)	IS 1727 (RA 2018)
41	CHEMICAL- BUILDING MATERIAL	Pozzollana Material (Fly Ash)	Silica (SiO2)	IS 1727 (RA 2018)
42	CHEMICAL- BUILDING MATERIAL	Pozzollana Material (Fly Ash)	Sulphuric anhydride (SO3)	IS 1727 (RA 2018)
43	CHEMICAL- BUILDING MATERIAL	Pozzollana Material (Fly Ash)	Total chloride	IS 4032 (RA 2018)
44	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Aluminium Section	Anodizing thicken sheet	IS 6012
45	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	GI Sheet	Mass of Zinc Coating	IS 6745
46	CHEMICAL- METALS & ALLOYS	ALuminium & its alloy	Lead	IS 733 : 1983 (RA 2017) / ASTM E 1251
47	CHEMICAL- METALS & ALLOYS	Aluminium &its alloys	copper	IS 733 : 1983 (RA 2017) / ASTM E 1251
48	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Arsenic	IS 733 : 1983 (RA 2017) / ASTM E 1251
49	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Boron	IS 733(RA 2017):1983 / ASTM E 1251
50	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Calcium	IS 733 : 1983 (RA 2017) / ASTM E 1251
51	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Magnanese	IS 733 : 1983 (RA 2017) / ASTM E 1251
52	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Magnesium	IS 733 : 1983 (RA 2017) / ASTM E 1251
53	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Nickel	IS 733 : 1983 (RA 2017) / ASTM E 1251
54	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Phosphorous	IS 733 : 1983 (RA 2017) / ASTM E 1251
55	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Silicon	ASTM E 1251

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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
56	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Tin	IS 733 : 1983 (RA 2017) / ASTM E 1251
57	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Titanium	IS 733 : 1983 (RA 2017) / ASTM E 1251
58	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Vanadium	IS 733 : 1983 (RA 2017) / ASTM E 1251
59	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Zinc	IS 733 : 1983 (RA 2017) / ASTM E 1251
60	CHEMICAL- METALS & ALLOYS	Aluminium and its alloy	Zirconium	IS 733 : 1983 (RA 2017) / ASTM E 1251
61	CHEMICAL- METALS & ALLOYS	Aluminium and its alloys	Chromium	IS 733 : 1983 (RA 2017) / ASTM E 1251
62	CHEMICAL- METALS & ALLOYS	Aluminium and its alloys	Cobalt	IS 733 : 1983 (RA 2017) / ASTM E 1251
63	CHEMICAL- METALS & ALLOYS	Carbon and its alloys	Carbon Equivalent	IS 1786 (RA 2018) : 2008 / IS 2062 (RA 2016) : 2011 / IS 10748 (RA 2014) : 2004 / IS 1239 (Part-1)(RA 2019):2004 /ASTM E415
64	CHEMICAL- METALS & ALLOYS	Carbon and low alloy Steel	Aluminium	IS 1786 (RA 2018) : 2008 / IS 2062 (RA 2016) : 2011 / IS 10748 (RA 2014) : 2004 / IS 1239 (Part-1)(RA 2019):2004 /ASTM E415
65	CHEMICAL- METALS & ALLOYS	Carbon and low alloy Steel	Arsenic	IS 1786 (RA 2018) : 2008 / IS 2062 (RA 2016) : 2011 / IS 10748 (RA 2014) : 2004 / IS 1239 (Part-1)(RA 2019):2004 /ASTM E415
66	CHEMICAL- METALS & ALLOYS	Carbon and low alloy Steel	Boron	IS 1786 (RA 2018) : 2008 / IS 2062 (RA 2016) : 2011 / IS 10748 (RA 2014) : 2004 / IS 1239 (Part-1)(RA 2019):2004 /ASTM E415
67	CHEMICAL- METALS & ALLOYS	Carbon and low alloy Steel	Calcium	IS 1786 (RA 2018) : 2008 / IS 2062 (RA 2016) : 2011 / IS 10748 (RA 2014) : 2004 / IS 1239 (Part-1)(RA 2019):2004 /ASTM E415

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68	CHEMICAL- METALS & ALLOYS	Carbon and low alloy Steel	Carbon	IS 1786 (RA 2018) : 2008 / IS 228 (Part 1) (RA 2018): 1987 / IS 2062 (RA 2016) : 2011 / IS 10748 (RA 2014) : 2004 / IS 1239 (Part-1)(RA 2019):2004 /ASTM E415
69	CHEMICAL- METALS & ALLOYS	Carbon and low alloy Steel	Chromium	IS 1786 (RA 2018) : 2008 / IS 2062 (RA 2016) : 2011 / IS 10748 (RA 2014) : 2004 / IS 1239 (Part-1)(RA 2019):2004 /ASTM E415
70	CHEMICAL- METALS & ALLOYS	Carbon and low alloy Steel	Cobalt	IS 1786 (RA 2018) : 2008 / IS 2062 (RA 2016) : 2011 / IS 10748 (RA 2014) : 2004 / IS 1239 (Part-1)(RA 2019):2004 /ASTM E415
71	CHEMICAL- METALS & ALLOYS	Carbon and low alloy Steel	Copper	IS 1786 (RA 2018) : 2008 / IS 2062 (RA 2016) : 2011 / IS 10748 (RA 2014) : 2004 / IS 1239 (Part-1)(RA 2019):2004 /ASTM E415
72	CHEMICAL- METALS & ALLOYS	Carbon and low alloy Steel	Magnesium	IS 1786 (RA 2018) : 2008 / IS 2062 (RA 2016) : 2011 / IS 10748 (RA 2014) : 2004 / IS 1239 (Part-1)(RA 2019):2004 /ASTM E415
73	CHEMICAL- METALS & ALLOYS	Carbon and low alloy Steel	Manganese	IS 1786 (RA 2018) : 2008 / IS 2062 (RA 2016) : 2011 / IS 10748 (RA 2014) : 2004 / IS 1239 (Part-1)(RA 2019):2004 /ASTM E415
74	CHEMICAL- METALS & ALLOYS	Carbon and low alloy Steel	Molybdenum	IS 1786 (RA 2018) : 2008 / IS 2062 (RA 2016) : 2011 / IS 10748 (RA 2014) : 2004 / IS 1239 (Part-1)(RA 2019):2004 /ASTM E415
75	CHEMICAL- METALS & ALLOYS	Carbon and low alloy Steel	Nickel	IS 1786 (RA 2018) : 2008 / IS 2062 (RA 2016) : 2011 / IS 10748 (RA 2014) : 2004 / IS 1239 (Part-1)(RA 2019):2004 /ASTM E415

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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
76	CHEMICAL- METALS & ALLOYS	Carbon and low alloy Steel	Niobium	IS 1786 (RA 2018) : 2008 / IS 2062 (RA 2016) : 2011 / IS 10748 (RA 2014) : 2004 / IS 1239 (Part-1)(RA 2019):2004 /ASTM E415
77	CHEMICAL- METALS & ALLOYS	Carbon and low alloy Steel	Phosphorus	IS 1786 (RA 2018) : 2008 / IS 2062 (RA 2016) : 2011 / IS 10748 (RA 2014) : 2004 / IS 1239 (Part-1)(RA 2019):2004 /ASTM E415
78	CHEMICAL- METALS & ALLOYS	Carbon and low alloy Steel	Silicon	IS 1786 (RA 2018) : 2008 / IS 2062 (RA 2016) : 2011 / IS 10748 (RA 2014) : 2004 / IS 1239 (Part-1)(RA 2019):2004 /ASTM E415
79	CHEMICAL- METALS & ALLOYS	Carbon and low alloy Steel	Sulphur	IS 1786 (RA 2018) : 2008 / IS 228 (Part 1) (RA 2018): 1987 / IS 2062 (RA 2016) : 2011 / IS 10748 (RA 2014) : 2004 / IS 1239 (Part-1)(RA 2019):2004 /ASTM E415
80	CHEMICAL- METALS & ALLOYS	Carbon and low alloy Steel	Tin(Sn)	IS 1786 (RA 2018) : 2008 / IS 2062 (RA 2016) : 2011 / IS 10748 (RA 2014) : 2004 / IS 1239 (Part-1)(RA 2019):2004 /ASTM E415
81	CHEMICAL- METALS & ALLOYS	Carbon and low alloy Steel	Titanium	IS 1786 (RA 2018) : 2008 / IS 2062 (RA 2016) : 2011 / IS 10748 (RA 2014) : 2004 / IS 1239 (Part-1)(RA 2019):2004 /ASTM E415
82	CHEMICAL- METALS & ALLOYS	Carbon and low alloy Steel	Vanadium	IS 1786 (RA 2018) : 2008 / IS 2062 (RA 2016) : 2011 / IS 10748 (RA 2014) : 2004 / IS 1239 (Part-1)(RA 2019):2004 /ASTM E415
83	CHEMICAL- METALS & ALLOYS	Carbon and low alloy Steel	Zirconium	IS 1786 (RA 2018) : 2008 / IS 2062 (RA 2016) : 2011 / IS 10748 (RA 2014) : 2004 / IS 1239 (Part-1)(RA 2019):2004 /ASTM E415
84	CHEMICAL- METALS & ALLOYS	Cast Iron / SG Iron	Carbon	IS 13502 (RA 2019):1992 / IS 210(RA 2020) : 2009 /ASTM E 1999

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85	CHEMICAL- METALS & ALLOYS	Cast Iron / SG Iron	Chromium	IS 13502 (RA 2019):1992 / IS 210(RA 2020) : 2009 /ASTM E 1999
86	CHEMICAL- METALS & ALLOYS	Cast Iron / SG iron	Copper	IS 13502 (RA 2019):1992 / IS 210(RA 2020) : 2009 /ASTM E 1999
87	CHEMICAL- METALS & ALLOYS	Cast Iron / SG Iron	Manganese	IS 13502 (RA 2019):1992 / IS 210(RA 2020) : 2009 /ASTM E 1999
88	CHEMICAL- METALS & ALLOYS	Cast Iron / SG Iron	Molybdenum	IS 13502 (RA 2019):1992 / IS 210(RA 2020) : 2009 /ASTM E 1999
89	CHEMICAL- METALS & ALLOYS	Cast Iron / SG Iron	Nickel	IS 13502 (RA 2019):1992 / IS 210(RA 2020) : 2009 /ASTM E 1999
90	CHEMICAL- METALS & ALLOYS	Cast Iron / SG Iron	Phosphorus	IS 13502 (RA 2019):1992 / IS 210(RA 2020) : 2009 /ASTM E 1999
91	CHEMICAL- METALS & ALLOYS	Cast Iron / SG Iron	Silicon	IS 13502 (RA 2019):1992 / IS 210(RA 2020) : 2009 /ASTM E 1999
92	CHEMICAL- METALS & ALLOYS	Cast Iron / SG Iron	Sulphur	IS 13502 (RA 2019):1992 / IS 210(RA 2020) : 2009 /ASTM E 1999
93	CHEMICAL- METALS & ALLOYS	Copper and its alloy	Arsenic	IS 2378 (RA 2021) :1974 / IS 5898 (RA 2019) : 1970 / BS EN 15079
94	CHEMICAL- METALS & ALLOYS	Copper and its alloy	Copper	IS 2378 (RA 2021) :1974 / IS 5898 (RA 2019) : 1970
95	CHEMICAL- METALS & ALLOYS	Copper and its alloy	lead	IS 2378 (RA 2021) :1974 / IS 5898 (RA 2019) : 1970 / BS EN 15079
96	CHEMICAL- METALS & ALLOYS	Copper and its alloy	Manganese	IS 2378 (RA 2021) :1974 / IS 5898 (RA 2019) : 1970 / BS EN 15079
97	CHEMICAL- METALS & ALLOYS	Copper and its alloy	Nickel	IS 2378 (RA 2021) :1974 / IS 5898 (RA 2019) : 1970 / BS EN 15079
98	CHEMICAL- METALS & ALLOYS	Copper and its alloy	Phosphorus	IS 2378 (RA 2021) :1974 / IS 5898 (RA 2019) : 1970 / BS EN 15079

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99	CHEMICAL- METALS & ALLOYS	Copper and its alloy	Silicon	IS 2378 (RA 2021) :1974 / IS 5898 (RA 2019) : 1970 / BS EN 15079
100	CHEMICAL- METALS & ALLOYS	Copper and its alloy	Tin	IS 2378 (RA 2021) :1974 / IS 5898 (RA 2019) : 1970 / BS EN 15079
101	CHEMICAL- METALS & ALLOYS	Copper and its alloy	Titanium	IS 2378 (RA 2021) :1974 / IS 5898 (RA 2019) : 1970 / BS EN 15079
102	CHEMICAL- METALS & ALLOYS	Copper and its alloy	Zinc	IS 2378 (RA 2021) :1974 / IS 5898 (RA 2019) : 1970 / BS EN 15079
103	CHEMICAL- METALS & ALLOYS	copper and its alloys	Aluminium	IS 2378 (RA 2021) :1974 / IS 5898 (RA 2019) : 1970 / BS EN 15079
104	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 5522 (RA 2019):2014 / IS 6603 (RA 2019) : 2001/ IS 6911 : 2017 / ASTME 1086
105	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 5522 (RA 2019):2014 / IS 6603 (RA 2019) : 2001/ IS 6911 : 2017 / ASTME 1086
106	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 5522 (RA 2019):2014 / IS 6603 (RA 2019) : 2001/ IS 6911 : 2017 / ASTM E 1086
107	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 5522 (RA 2019):2014 / IS 6603 (RA 2019) : 2001/ IS 6911 : 2017 / ASTM E 1086
108	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 5522 (RA 2019):2014 / IS 6603 (RA 2019) : 2001/ IS 6911 : 2017 / ASTM E 1086
109	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 5522 (RA 2019):2014 / IS 6603 (RA 2019) : 2001/ IS 6911 : 2017 / ASTM E 1086
110	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 5522 (RA 2019):2014 / IS 6603 (RA 2019) : 2001/ IS 6911 : 2017 / ASTM E 1086
111	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 5522 (RA 2019):2014 / IS 6603 (RA 2019) : 2001/ IS 6911 : 2017 / ASTM E 1086
112	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 5522 (RA 2019):2014 / IS 6603 (RA 2019) : 2001/ IS 6911 : 2017 / ASTM E 1086

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113	CHEMICAL- METALS & ALLOYS	Weilding materials	Dye Penetration	IS 3658:1999 (RA 2020)
114	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Ammoniacal Nitrogen	IS 3025 (Part 34) 2019
115	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Conductivity	IS 3025 (Part 14) (RA 2019)
116	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Inorganic Solid	IS 3025 (Part 18) (RA 2017)
117	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil And Grease	IS 3025 (Part 39) 2021
118	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Organic Solid	IS 3025 (Part 18) (RA 2017)
119	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Potassium	IS 3025 (Part 45) (RA 2019)
120	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium	IS 3025 (Part 45) (RA 2019))
121	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Solid	IS 3025 (Part 15) 2019
122	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Turbidity	IS 3025 (Part 10) (RA 2017)
123	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent / Sewage	Ammonical Nitrogen	IS 3025 (Part-34) (RA 2019)
124	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent / Sewage)	Acidity	IS 3025 (Part 22)(RA 2019)
125	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent / Sewage)	Alkalinity	IS 3025 (Part 23) (RA 2019)
126	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent / Sewage)	Chloride	IS 3025 (Part 36) (RA 2019)
127	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent / Sewage)	Dissolve Oxygen	IS 3025 (Part 38) (RA 2019)
128	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent / Sewage)	pH	IS 3025 (Part 11) (RA 2017)
129	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent / Sewage)	Sulphate (SO4)	IS 3025 (Part 24) (RA 2019)
130	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent / Sewage)	Suspended matter	IS 3025 (Part 17) (RA 2017)
131	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent / Sewage)	Total Residue (Total solids - Dissolvant and suspended)	IS 3025 (Part 15) (RA 2019)

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132	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent/ Sewage)	Biochemical oxygen Demand at 27 degree C for 3 days.	IS 3025 (Part 44) (RA 2019)
133	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Chemical Oxygen Demand (COD)	IS 3025 (Part 58) (RA 2017)
134	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent/Sewage)	Total kjeldahl Nitrogen	IS 3025 (Part 34) (RA 2019)
135	CHEMICAL- WATER	Drinking Water	Alkanity as CaCO3	IS 3025 (Part-23)
136	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen	IS 3025 (Part-34)
137	CHEMICAL- WATER	Drinking Water	Color	IS 3025 (Part 04)
138	CHEMICAL- WATER	Drinking Water	Conductivity	IS 3025 (PART 14) (RA 2019)
139	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen	IS 3025 (Part 38) (RA 2019)
140	CHEMICAL- WATER	Drinking Water	Fluoride	IS 3025 (Part 60) & APHA (4500 F D)
141	CHEMICAL- WATER	Drinking Water	Inorganic Solid	IS 3025 (Part 18) (RA 2017)
142	CHEMICAL- WATER	Drinking Water	Iron	IS 3025 (RA 2019) (Part-53)
143	CHEMICAL- WATER	Drinking Water	Mineral Oil	IS 3025 (Part-39)
144	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part 05)
145	CHEMICAL- WATER	Drinking Water	Organic Solid	IS 3025 (Part 18) (RA 2017)
146	CHEMICAL- WATER	Drinking Water	Potassium	IS 3025 (Part 45) (RA 2019)
147	CHEMICAL- WATER	Drinking Water	Resudue free chlorine & chloramines	IS 3025 (Part 26)
148	CHEMICAL- WATER	Drinking Water	Sodium	IS 3025 (Part 45)
149	CHEMICAL- WATER	Drinking Water	Taste	IS 3025 (Part 07)
150	CHEMICAL- WATER	Drinking Water	Total Kjeldahl Nitrogen	IS 3025 (Part 34) (RA 2019)
151	CHEMICAL- WATER	Drinking Water	Total solids	IS 3025 (Part 15) (RA 2019)
152	CHEMICAL- WATER	Drinking Water	Total Suspended Solid	IS 3025 (Part 17) (RA 2017)
153	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
154	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10) (RA 2017)
155	CHEMICAL- WATER	Water (for construction purpose)	Chloride	IS 3025 (Part 32)
156	CHEMICAL- WATER	Water (for construction purpose)	Organic Solid	IS 3025 (Part 18)
157	CHEMICAL- WATER	Water (for construction purpose)	pH value	IS 3025 (Part 11)
158	CHEMICAL- WATER	Water (for construction purpose)	Sulphate (as SO3)	IS 3025 (Part 24)

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159	CHEMICAL- WATER	Water (for construction purpose)	Suspended matter	IS 3025 (Part 17) (RA 2017)
160	CHEMICAL- WATER	Water (for construction purpose)	Volume of 100 ml sample used to neutralize 0.02 N NaOH, using phenolphthalein Indicator	IS 3025 (Part 22) (RA 2019)
161	CHEMICAL- WATER	Water (for drinking purpose)	Calcium	IS 3025 (Part 40)
162	CHEMICAL- WATER	Water (for drinking purpose)	Chloride	IS 3025 (Part 32)
163	CHEMICAL- WATER	Water (for drinking purpose)	Magnesium	IS 3025 (Part 46)
164	CHEMICAL- WATER	Water (for drinking purpose)	Sulphate (as SO4)	IS 3025 (Part 24)
165	CHEMICAL- WATER	Water (for drinking purpose)	Total Dissolved Solids	IS 3025 (Part 16) (RA 2017)
166	CHEMICAL- WATER	Water (for drinking purpose)	Total Hardness (as CaCO3)	IS 3025 (Part 21)
167	CHEMICAL- WATER	Water (for drinking purpose)	pH	IS 3025 (Part 11)
168	CHEMICAL- WATER	Water (for construction purpose)	Volume of 100 ml sample used to neutralize 0.02 N H2SO4, using mixed indicator (alkalinity)	IS 3025 (Part 23)
169	CHEMICAL- WATER	Water (for Construction water)	Inorganic Solid	IS 3025 (Part 18)
170	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (Part-2) (RA 2019)
171	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility at 25 degree C	IS1208 (RA 2019)
172	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash point and Fire Point	IS 1209 (RA 2019)
173	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part-3) (RA 2019)
174	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration at 25 Degree C	IS 1203 (RA 2019)
175	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205 (RA 2019)
176	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Solubility in Trichloroethylene	IS 1216 (RA 2019)
177	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202 (RA 2019)
178	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Stripping Value of aggregate	IS 6241 (RA 2017)
179	MECHANICAL- BUILDINGS MATERIALS	Bitumen emulsion	Miscibility with water	IS 8887

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180	MECHANICAL- BUILDINGS MATERIALS	Bitumen emulsion	Residue on 600 micron IS sieve , Percentage by mass,Max	IS 8887
181	MECHANICAL- BUILDINGS MATERIALS	Bitumen emulsion	Tests on Residue - 2) Penetration	IS 1201 to 1220 (RA 2019)
182	MECHANICAL- BUILDINGS MATERIALS	Bitumen emulsion	Tests on Residue - 4) Solubility in trichloroethylene	IS 1216 (RA 2019)
183	MECHANICAL- BUILDINGS MATERIALS	Bitumen emulsion	Tests on Residue 3) Ductility	IS: 1208 (RA 2019)
184	MECHANICAL- BUILDINGS MATERIALS	Bitumen emulsion	Tests on Residue 1) Residue by evaporation percent, min	IS 8887
185	MECHANICAL- BUILDINGS MATERIALS	Bitumen emulsion	Viscosity by Saybolt furol viscometer, at 25 ºC.	IS 3117 (RA 2019)
186	MECHANICAL- BUILDINGS MATERIALS	Bitumen emulsion	Viscosity by Saybolt furol viscometer, at 50 ºC	IS 3117 (RA 2019)
187	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mastic	Hardness No	IS 1195 (RA 2017)
188	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder Content	IRC SP 11 (Appendix 5)
189	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshal stability	ASTM D 6927
190	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Stripping Value	IS 6241 (RA 2017)
191	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimension - Height	IS 1077 (RA 2016)
192	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimension - Length	IS 1077 (RA 2016)
193	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimension - Width	IS 1077 (RA 2016)
194	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks/Flay Ash /Lime Bricks	Compressive Strength	IS: 3495(Part 1)
195	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks/Flay Ash /Lime Bricks	Efflorescence	IS 3495 (Part 3)
196	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks/Flay Ash /Lime Bricks	Water Absorption	IS 3495 (Part-2)
197	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC , Portland slag Cement)	Setting Time - final	IS 4031(Part-5) (RA 2019)
198	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC , Portland slag Cement)	Standard Consistency	IS 4031(Part-4) (RA 2019)

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199	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, Portland slag cement)	Compressive Strength 72 Hrs , 168 Hrs & 672 Hrs	IS: 4031(Part-6) (RA 2019)
200	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, Portland slag cement)	Density	IS 4031 (Part 11) (RA 2019)
201	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, Portland slag cement)	Fineness by Blaine Method	IS: 4031(Part 2) (RA 2018)
202	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, Portland slag cement)	Setting Time - Initial	IS 4031(Part-5) (RA 2019)
203	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, Portland slag cement)	Soundness by Le-Chatelier	IS: 4031(Part-3) (RA 2019)
204	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete	Permeability test	DIN 1048 (part 5)
205	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension (Breadth)	IS 1237 (RA 2017)
206	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension (Height)	IS 1237 (RA 2017)
207	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension (length)	IS 1237 (RA 2017)
208	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Thickness of wearing Layer	IS 1237 (RA 2017)
209	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Water Absorption	IS1237 (RA 2017)
210	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Wet Transverse Strength	IS 1237 (RA 2017)
211	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Breaking strength	IS 13630 (part 6)
212	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension (Breadth)	13630
213	MECHANICAL- BUILDINGS MATERIALS	Ceramic tiles	Dimension (Length)	IS 13630 (part 1)
214	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension (Thickness)	IS 13630 (Part 1)
215	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Modulus of rupture	IS 13630 (part 6)
216	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Water absorption	IS 13630 (part 2)
217	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Dimension (Breadth)	IS 13801 (RA 2018)

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218	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Dimension (Length)	IS 13801 (RA 2018)
219	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Thickness to wearing Layer	IS 13801 (RA 2018)
220	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Water absorption	IS 13801 (RA 2018)
221	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement concrete Tiles	Wet transverse strength	IS 13801 (RA 2018)
222	MECHANICAL- BUILDINGS MATERIALS	Chequred Cement concrete Tiles	Dimension (Height)	IS 13801 (RA 2018)
223	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Na2 SO4	IS 2386 (part 5) (RA 2021)
224	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % fine value	IS 2386 (Part 4) (RA 2021)
225	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Impact value	IS 2386 (Part 4) (RA 2021)
226	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Alkali reactivity test	IS 2386 (Part 7) (RA 2021)
227	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3) (RA 2021)
228	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)(RA 2021)
229	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material - 75 micron finer materials	IS 2386 (Part 1)(RA 2021)
230	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious material-Clay lumps	IS 2386 (Part 2) (RA 2021)
231	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious material-Coal & Lignite	IS 2386(Part 2) (RA 2021)
232	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386(Part 1) (RA 2021)
233	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1) (RA 2021)
234	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Loss angle abrasion test	IS 2386 (part 4)(RA 2021)
235	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS 2386 (Part 1) (RA 2021)
236	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by MgSO4	IS 2386 (Part 5) (RA 2021)

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237	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)(RA 2021)
238	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water absorption	IS 2386 (Part 3) (RA 2021)
239	MECHANICAL- BUILDINGS MATERIALS	Concrete	Accelerated Curing of Concrete for compressive strength	IS 9013 (RA 2018)
240	MECHANICAL- BUILDINGS MATERIALS	Concrete	Concrete mix design proportioning- CC cube	IS 10262
241	MECHANICAL- BUILDINGS MATERIALS	Concrete	RCPT	ASTM 1202
242	MECHANICAL- BUILDINGS MATERIALS	Concrete	Slump test	IS 1199 (RA 2018)
243	MECHANICAL- BUILDINGS MATERIALS	Concrete block	Height	IS 2185 (RA : 2020)(Part 1) : 2005 / IS 2185 (RA : 2020)(Part 2) : 1983/IS 2185 (RA : 2020)(Part 3)
244	MECHANICAL- BUILDINGS MATERIALS	Concrete block	Length	IS 2185 (RA : 2020)(Part 1) : 2005 / IS 2185 (RA : 2020)(Part 2) : 1983/IS 2185 (RA : 2020)(Part 3)
245	MECHANICAL- BUILDINGS MATERIALS	Concrete block	Width	IS 2185 (RA : 2020)(Part 1) : 2005 / IS 2185 (RA : 2020)(Part 2) : 1983/IS 2185 (RA : 2020)(Part 3)
246	MECHANICAL- BUILDINGS MATERIALS	Concrete block / AAC BLOCK	Compressive strength	IS 6441 (Part 1)(RA 2017): 1972 /IS 2185 (RA : 2020)(Part 1) : 2005 / IS 2185 (RA : 2020)(Part 2) : 1983/IS 2185 (RA : 2020)(Part 3)
247	MECHANICAL- BUILDINGS MATERIALS	Concrete block / AAC BLOCK	Drying shrinkage	IS 6441 (Part 1)(RA 2017): 1972 /IS 2185 (RA : 2020)(Part 1) : 2005 / IS 2185 (RA : 2020)(Part 2) : 1983/IS 2185 (RA : 2020)(Part 3)
248	MECHANICAL- BUILDINGS MATERIALS	Concrete block / AAC BLOCK	Moisture movement	IS 2185 (RA : 2020)(Part 1) : 2005 / IS 2185 (RA : 2020)(Part 2) : 1983/IS 2185 (RA : 2020)(Part 3)
249	MECHANICAL- BUILDINGS MATERIALS	Concrete block / AAC BLOCK	Water absoption	IS 2185 (RA : 2020)(Part 1) : 2005 / IS 2185 (RA : 2020)(Part 2) : 1983/IS 2185 (RA : 2020)(Part 3)

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250	MECHANICAL- BUILDINGS MATERIALS	Dimensions to Fly Ash Bricks	Dimension (Breadth)	IS 12894 (RA 2017)
251	MECHANICAL- BUILDINGS MATERIALS	Dimensions to Fly Ash Bricks	Dimension (Length)	IS 12894 (RA 2017)
252	MECHANICAL- BUILDINGS MATERIALS	Dimensions to Fly Ash Bricks	Dimension (Height)	IS 12894 (RA 2017)
253	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Alkali reactivity test	IS 2386 (Part 7) (RA 2021)
254	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS: 2386 (Part-3) (RA 2021)
255	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material - 75 Micron finer materials	IS 2386 (Part -1) (RA 2021)
256	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material - Coal & lignite	IS 2386 (Part-2) (RA 2021)
257	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material -Clay lumps	IS: 2386 (part-2) (RA 2021)
258	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve analysis	IS 2386 (Part 1) (RA 2021)
259	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by MgSO4	IS 2386 (Part-5) (RA 2021)
260	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Na2SO4	IS 2386 (Part-5) (RA 2021)
261	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386(Part 3) (RA 2021)
262	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS: 2386(Part 3) (RA 2021)
263	MECHANICAL- BUILDINGS MATERIALS	Fly ASh	Compressive strength	IS 1727 (RA 2018)
264	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Finess by blain air	IS 1727 (RA 2018)
265	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Lime Reactivity	IS 1727 (RA 2018)
266	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Particles retain on 45 µ sieve (Wet sieving) (%)	IS 1727(RA 2018)
267	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Soundness by autoclave test	IS 1727(RA 2018)
268	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific gravity	IS 1999 (RA 2019)

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269	MECHANICAL- BUILDINGS MATERIALS	Hardened concrete (cube, core, beam)	Compressive Strength	IS 516 (Part 1/ sec -1)
270	MECHANICAL- BUILDINGS MATERIALS	Hardened concrete (cube, core, beam)	Flexural strength	IS 516 (Part 1 / sec 1)
271	MECHANICAL- BUILDINGS MATERIALS	Micro Silica / Silica fume	Compressive strength at 7 days as % of controlled sample	IS 1727 (RA 2018)
272	MECHANICAL- BUILDINGS MATERIALS	Micro Silica / Silica fume	Finess by blain air permeability method	IS 1727 (RA 2018)
273	MECHANICAL- BUILDINGS MATERIALS	Micro Silica / Silica fume	Oversize % retain on 45 µ sieve	IS 1727 (RA 2018)
274	MECHANICAL- BUILDINGS MATERIALS	Micro Silica / Silica fume	Oversize % retain on 45 µ sieve, maximum variation fom average	IS 1727 (RA 2018)
275	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Abrasion Resistance	IS 15658
276	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
277	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension- Thickness	IS 15658
278	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension-length	IS 15658
279	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension-Width	IS 15658
280	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
281	MECHANICAL- BUILDINGS MATERIALS	Timber / Wood	Modulus of Rupture (MOR)	IS 1708 (Part 5) (RA 2020)
282	MECHANICAL- BUILDINGS MATERIALS	WBM (Water Bound Macadom)	Combined FI & EI test	IS 2386 (Part-1) (RA 2021)
283	MECHANICAL- BUILDINGS MATERIALS	WBM (Water Bound Macadom)	Impact Value test	IS 2386 (Part-4) (RA 2021)
284	MECHANICAL- BUILDINGS MATERIALS	WBM (Water Bound Macadom)	Los Angeles Abrasion test	IS 2386 (Part 4) (RA 2021)
285	MECHANICAL- BUILDINGS MATERIALS	WBM (Water Bound Macadom)	Sieve Analysis test	MORTH 5th
286	MECHANICAL- BUILDINGS MATERIALS	WBM (Water Bound Macadom)	Water Absorption test	IS 2386 (Part 3) (RA 2021)

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287	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadom)	Atterberg's Liquid Limit test	IS 2720 (Part 5) (RA 2020)
288	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadom)	Atterberg's Plastic Limit test	IS 2720 (Part 5) (RA 2020)
289	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadom)	Combined FI & EI test	IS 2386 (Part 1) (RA 2021)
290	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadom)	Impact Value test	IS 2386 (Part 4) (RA 2021)
291	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadom)	Loss Angles Abrasion test	IS 2386 (Part 4) (RA 2021)
292	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadom)	MDD (Maximum Dry Density) test	IS 2720 (Part 8) (RA 2020)
293	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadom)	OMC (Optimum Moisture Content) test	IS 2720 (Part-8) (RA 2020)
294	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadom)	Sieve Analysis test	MORTH 5th rev.
295	MECHANICAL- BUILDINGS MATERIALS	WMM (Wet Mix Macadom)	Water Absorption test	IS 2386 (Part 3) (RA 2021)
296	MECHANICAL- BUILDINGS MATERIALS	Wood & Wood Products	Modulus of Elasticity (MOE)	IS 1708 (Part 5) (RA 2020)
297	MECHANICAL- MECHANICAL PROPERTIES OF METALS	7 Ply Strand for Pre -Stressed Concrete	Lay of Length	IS 14268
298	MECHANICAL- MECHANICAL PROPERTIES OF METALS	7 Ply Strand for Pre -Stressed Concrete	%Elongation	IS 1608 (Part 1)
299	MECHANICAL- MECHANICAL PROPERTIES OF METALS	7 Ply Strand for Pre -Stressed Concrete	Breaking Strength and 0.2 % proof load	IS 1608 (Part 1)
300	MECHANICAL- MECHANICAL PROPERTIES OF METALS	7 Ply Strand for Pre -Stressed Concrete	Mass per meter	IS 14268
301	MECHANICAL- MECHANICAL PROPERTIES OF METALS	7 Ply Strand for Pre -Stressed Concrete	Normal Dimension	IS 14268
302	MECHANICAL- MECHANICAL PROPERTIES OF METALS	7 Ply Strand for Pre -Stressed Concrete	Percentage difference between centre wire and surrounding wire	IS 14268

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303	MECHANICAL-MECHANICAL PROPERTIES OF METALS	7 Ply strand for Pre – stressed concrete	Modulus of elasticity	IS 14268
304	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous products (Reinforced steel bars, GI pipes, Structural steel, Galvinized steel, Steel tubes, MS pipe, Fastener (Bolts,screw, and studs), Hollow steel section, CRC sheet, GI barbed wire, Stainless steel plates, sheets, Strip)	Bend	IS 1599 :2019 / IS 2329 (RA 2017)
305	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous products (Reinforced steel bars, GI pipes, Structural steel, Galvinized steel, Steel tubes, MS pipe, Fastener (Bolts,screw, and studs), Hollow steel section, CRC sheet, GI barbed wire, Stainless steel plates, sheets, Strip)	Dimension test	IS 1730 (RA 2019)
306	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous products (Reinforced steel bars, GI pipes, Structural steel, Galvinized steel, Steel tubes, MS pipe, Fastener (Bolts,screw, and studs), Hollow steel section, CRC sheet, GI barbed wire, Stainless steel plates, sheets, Strip)	Elongation	IS 1608(Part 1& 3)
307	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous products (Reinforced steel bars, GI pipes, Structural steel, Galvinized steel, Steel tubes, MS pipe, Fastener (Bolts,screw, and studs), Hollow steel section, CRC sheet, GI barbed wire, Stainless steel plates, sheets, Strip)	Mass, Kg	IS 1732 (RA 2019)
308	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous products (Reinforced steel bars, GI pipes, Structural steel, Galvinized steel, Steel tubes, MS pipe, Fastener (Bolts,screw, and studs), Hollow steel section, CRC sheet, GI barbed wire, Stainless steel plates, sheets, Strip)	Tensile Strength	IS 1608(Part 1)
309	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous products (Reinforced steel bars, GI pipes, Structural steel, Galvinized steel, Steel tubes, MS pipe, Fastener (Bolts,screw, and studs), Hollow steel section, CRC sheet, GI barbed wire, Stainless steel plates, sheets, Strip)	Yield Stress	IS 1608(Part 1)
310	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel / Structure Steel	Bend Test	IS 1599 :2019 / IS 1786 (RA 2018)
311	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel / Structure Steel	Brinell Hardness	IS 1500 (Part 1)
312	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel / Structure Steel	Elongation	IS 1608 (Part 1)

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313	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel / Structure Steel	Mass per meter	IS 1786 (RA 2018)
314	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel / Structure Steel	Rebend test	IS 1786 (RA 2018)
315	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel / Structure Steel	Rockwell Hardness	IS 1586 (Part 1)
316	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel / Structure Steel	Tensile Strength	IS 1608 (Part 1)
317	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel / Structure Steel	Yield Stress	IS 1608 (Part 1)
318	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Splicing Coupler	0.2 % proof load/yield load	IS 1608(Part 1& 3)
319	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Splicing Coupler	0.2 % proof stress/yield stress	IS 1608(Part 1& 3)
320	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Splicing Coupler	Distance of fracture from the center of coupler	IS 16172 part 1
321	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Splicing Coupler	Final length	IS 1608(Part 1& 3)
322	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Splicing Coupler	Gauge length	IS 1608(Part 1& 3)
323	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Splicing Coupler	Go No Go test	IS 1608(Part 1& 3)
324	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Splicing Coupler	Nominal area	IS 1608(Part 1& 3)
325	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Splicing Coupler	Percentage elongation	IS 1608(Part 1& 3)
326	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Splicing Coupler	Slip Test	IS 16172 (RA 2019)

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327	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Splicing Coupler	Tensile /Breaking load	IS 1608(Part 1& 3)
328	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Splicing Coupler	Ultimate load	IS 1608(Part 1& 3)
329	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structure Steel	Impact Test Charpy	IS 1757 (Part 1)
330	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structure Steel	Impact Test Izod	IS 1598
331	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding Materials ASME Section iX	Tensile Strength	ASME Standard Section IX
332	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding Materials / ASME Section	Bend test (Root/bend/side)	ASME Standard Section IX
333	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding Materials /Coup ASME Sect	Transverse tensile Test	IS 3600 (Part 3) : 2018 / ASME Standard Section IX
334	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Macro test of butt weld joint	API 1104
335	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Tensile Strength	API 1104
336	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Trans. Root Bend test and Trans. face Bend test	API 1104
337	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	V Notch charpy Impact Test	ISO -148- 1(E)
338	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness	IS 6186 (RA 2020)
339	MECHANICAL- SOIL AND ROCK	Bentonite	liquid limit test	IS 2720 (Part 5) (RA 2020)
340	MECHANICAL- SOIL AND ROCK	Bentonite	Percent Moisture	IS 6186 (RA 2020)
341	MECHANICAL- SOIL AND ROCK	Bentonite	Plastic limit test	IS 2720 (Part 5) (RA 2020)

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342	MECHANICAL- SOIL AND ROCK	Bentonite	Sand Content	IS 6186 (RA 2020)
343	MECHANICAL- SOIL AND ROCK	Bentonite	Swelling Power	IS 6186 (RA 2020)
344	MECHANICAL- SOIL AND ROCK	Kerb stone	Bending strength / Transverse strength	IS 5758
345	MECHANICAL- SOIL AND ROCK	Kerb stone	Height	IS 5758
346	MECHANICAL- SOIL AND ROCK	Kerb stone	Length	IS 5758
347	MECHANICAL- SOIL AND ROCK	Kerb stone	Thickness	IS 5758
348	MECHANICAL- SOIL AND ROCK	Kerb Stone	Water absorption	IS 5758
349	MECHANICAL- SOIL AND ROCK	Soils	California Bearing Ratio (C.B.R.) - (at 2.5 mm)	IS 2720 (Part 16) (RA 2016)
350	MECHANICAL- SOIL AND ROCK	Soils	Consolidation Test	IS 2720 (Part 15) (RA 2016)
351	MECHANICAL- SOIL AND ROCK	Soils	Determination of Dry Density of Soil in place	IS 2720 (Part 29) (RA 2020)
352	MECHANICAL- SOIL AND ROCK	Soils	Direct Shear Test	IS 2720 (Part 13) (RA 2016)
353	MECHANICAL- SOIL AND ROCK	Soils	Free Swell Index	IS 2720 (Part 40) (RA 2016)
354	MECHANICAL- SOIL AND ROCK	Soils	Grain size Analysis and Hydrometer Analysis (% of clay)	IS 2720 (Part 4) (RA 2020)
355	MECHANICAL- SOIL AND ROCK	Soils	Liquid Limit	IS 2720 (Part 5) (RA 2020)
356	MECHANICAL- SOIL AND ROCK	Soils	Liquid Limit by Cone Penetrometer	IS 2720 (Part 5) (RA 2020)
357	MECHANICAL- SOIL AND ROCK	Soils	Moisture content	IS 2720 (Part 2) (RA 2020)
358	MECHANICAL- SOIL AND ROCK	Soils	Permeability	IS 2720 (Part 17) (RA 2016)
359	MECHANICAL- SOIL AND ROCK	Soils	Plastic Limit	IS 2720 (Part 5) (RA 2020)

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360	MECHANICAL- SOIL AND ROCK	Soils	Specific Gravity	IS 2720 (Part 3 sec 1/ sec 2) (RA 2016
361	MECHANICAL- SOIL AND ROCK	Soils	Swelling Pressure	IS 2720 (Part 41) (RA 2016)
362	MECHANICAL- SOIL AND ROCK	Soils	Triaxial Test (UU) - Ø	IS - 2720 (Part 11) (RA 2016)
363	MECHANICAL- SOIL AND ROCK	Soils	Triaxial Test (UU) - C	IS 2720 (Part 11) (RA 2016)
364	MECHANICAL- SOIL AND ROCK	Soils	Vane Shear Test	IS 2720 (Part 30) (RA 2016)
365	MECHANICAL- SOIL AND ROCK	Soils	Water Content - Dry Density relation using Heavy Compaction - MDD	IS 2720 (Part 8) (RA 2020)
366	MECHANICAL- SOIL AND ROCK	Soils	Water Content - Dry Density relation using Heavy Compaction - OMC	IS 2720 (Part 8) (RA 2020)
367	MECHANICAL- SOIL AND ROCK	Soils	Water Content - Dry Density relation using Light Compaction - MDD	IS 2720 (Part 7) (RA 2016)
368	MECHANICAL- SOIL AND ROCK	Soils	Water Content - Dry Density relation using Light Compaction - OMC	IS 2720 (Part 7) (RA 2016)
369	MECHANICAL- SOIL AND ROCK	Stone (Marble / Granite / Slate stone / Quartz base stone / Dholpur stone / Kota stone)	Dimension (Length)	IS 1130 (RA 2017)
370	MECHANICAL- SOIL AND ROCK	Stone (Marble / Granite / Slate stone / Quartz base stone / Dholpur stone / Kota stone)	Dimension (Breadth)	IS 1130 (RA 2017)
371	MECHANICAL- SOIL AND ROCK	Stone (Marble / Granite / Slate stone / Quartz base stone / Dholpur stone / Kota stone)	Dimension (Height)	IS 1130 (RA 2017)
372	MECHANICAL- SOIL AND ROCK	Stone (Marble / Granite / Slate stone / Quartz base stone / Dholpur stone / Kota stone)	Moisture Absorption	IS 1124 (RA 2017)
373	MECHANICAL- SOIL AND ROCK	Stone (Marble / Granite / Slate stone / Quartz base stone / Dholpur stone / Kota stone)	True Specific Gravity	IS 1122 (RA 2017)
374	MECHANICAL- WOOD AND WOOD PRODUCTS	Flush door shutter	Knife test	IS 4020 (Part 14) (RA 2013)
375	MECHANICAL- WOOD AND WOOD PRODUCTS	Plywood (General, Marine, Concrete, Shuttering, Decorative)	Moisture content	IS 1734 (Part 1) (RA 2018)
376	MECHANICAL- WOOD AND WOOD PRODUCTS	Timber and Timber product	Moisture Content	IS 11215 (RA 2020)

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377	MECHANICAL- WOOD AND WOOD PRODUCTS	Wood particle board & boards from other lignocellulosic materials mat boards / fiber boards / block boards / particle boards / prelaminated particle boards / veneered particle boards	Density	IS 2380 (Part 3) (RA 2018)
378	MECHANICAL- WOOD AND WOOD PRODUCTS	Wood particle board & boards from other lignocellulosic materials mat boards / fiber boards / block boards / particle boards / prelaminated particle boards / veneered particle boards	Moisture	IS 2380 (part 3) (RA 2018)

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Site Facility				
1	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, Port land Slag cement)	Silica (SiO_2)	IS 4032 (RA 2019)
2	CHEMICAL- METALS & ALLOYS	Carbon and low alloy Steel	Carbon	IS 1786 (RA 2018) : 2008 / IS 228 (Part 1) (RA 2018): 1987 / IS 2062 (RA 2016) : 2011 / IS 10748 (RA 2014) : 2004 / IS 1239 (Part-1)(RA 2019):2004 /ASTM E415
3	MECHANICAL- SOIL AND ROCK	Soil	Earth resistance testing	IS 3043
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Cement Concrete/ Structural Members	Integrity testing of concrete deep foundation by ultrasonic cross hole sonic	ASTM D 6760
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Cement Concrete/ Structural Members	Pile Integrity test	ASTM 5882 :2016 / IS 14893 (RA 2020)
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Cement Concrete/ Structural Members	Rebound hammer	IS 516 (Part -5 / sec 4) : 2020 / IS 13311 (Part 2) (RA 2018)
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Cement Concrete/ Structural Members	Span Load test	IRC SP 51
8	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Cement Concrete/ Structural Members	Ultrasonic Pulse Velocity Tests	IS 516 (Part 5/ Sec 1)
9	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Pile	Lateral pile load test	IS 2911 (part-4) (RA 2018)
10	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Pile	Vertical Pile load test	IS 2911 (Part - 4) (RA 2018)
11	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Soil	Field k value	IS 9214 (RA 2016)

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12	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Soil	Plate load test	IS 1888 (RA 2016)