National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : INSPECTORATE GRIFFITH INDIA PVT. LTD., CHENNAI LABORATORY, SAI SAMUTHIRA, PLOT NO.41B & 41C, GROUND FLOOR, NORTH PHASE, SIDCO INDUSTRIAL ESTATE, EKKATTUTHANGAL, GUINDY, CHENNAI, TAMIL NADU, INDIA

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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
Permanent Facility				
1	CHEMICAL- BUILDING MATERIAL	Fly ash	Alumina as Al2O3	ASTM C 311/C311M
2	CHEMICAL- BUILDING MATERIAL	Fly ash	Alumina as Al2O3	IS 1727
3	CHEMICAL- BUILDING MATERIAL	Fly ash	Calcium as CaO	IS 1727
4	CHEMICAL- BUILDING MATERIAL	Fly ash	Calcium Oxide	ASTM C 114
5	CHEMICAL- BUILDING MATERIAL	Fly ash	Chloride	IS 4032
6	CHEMICAL- BUILDING MATERIAL	Fly ash	Density	ASTM C188
7	CHEMICAL- BUILDING MATERIAL	Fly ash	Fineness, amount retained on 45micron sieve	ASTM C 311/C311M
8	CHEMICAL- BUILDING MATERIAL	Fly ash	Iron as Fe2O3	IS 1727
9	CHEMICAL- BUILDING MATERIAL	Fly ash	Iron Oxide	ASTM C311/C311M
10	CHEMICAL- BUILDING MATERIAL	Fly ash	Loss on ignition	ASTM C 311/311M
11	CHEMICAL- BUILDING MATERIAL	Fly ash	Loss on ignition	IS 1727
12	CHEMICAL- BUILDING MATERIAL	Fly ash	Magnesium as MgO	IS 1727
13	CHEMICAL- BUILDING MATERIAL	Fly ash	Magnesium Oxide	ASTM C 114
14	CHEMICAL- BUILDING MATERIAL	Fly ash	Phosphorus as P2O5	ASTM C 114
15	CHEMICAL- BUILDING MATERIAL	Fly ash	Silica as SiO2	ASTM C 311/C311M
16	CHEMICAL- BUILDING MATERIAL	Fly ash	Silica as SiO2	IS 1727
17	CHEMICAL- BUILDING MATERIAL	Fly ash	Sulphuric anhydride as SO3	ASTM C 311/C311M
18	CHEMICAL- BUILDING MATERIAL	Fly ash	Sulphuric anhydride as SO3	IS 1727

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19	CHEMICAL- BUILDING MATERIAL	Fly ash	Titanium- di -oxide	ASTM C 114
20	CHEMICAL- ORES & MINERALS	Barytes	Barium Sulphate as BaSO4	IS 7588
21	CHEMICAL- ORES & MINERALS	Barytes	Density	API-Spec 13A
22	CHEMICAL- ORES & MINERALS	Barytes	Density	ISO 13500
23	CHEMICAL- ORES & MINERALS	Barytes	Residue greater than 75micron	API-Spec 13A
24	CHEMICAL- ORES & MINERALS	Barytes	Residue greater than 75micron	ISO 13500
25	CHEMICAL- ORES & MINERALS	Barytes	Silica as SiO2	IS 2881
26	CHEMICAL- ORES & MINERALS	Barytes	Water soluble alkaline earth metals as Calcium	API-Spec 13A
27	CHEMICAL- ORES & MINERALS	Barytes	Water soluble alkaline earth metals as Calcium	ISO 13500
28	CHEMICAL- ORES & MINERALS	Feldspar	Alumina as Al2O3	IS 9749
29	CHEMICAL- ORES & MINERALS	Feldspar	Calcium Oxide as CaO	IS 9749
30	CHEMICAL- ORES & MINERALS	Feldspar	Ferric oxide as Fe2O3	IS 9749
31	CHEMICAL- ORES & MINERALS	Feldspar	Loss on ignition	IS 9749
32	CHEMICAL- ORES & MINERALS	Feldspar	Magnesium Oxide as MgO	IS 9749
33	CHEMICAL- ORES & MINERALS	Feldspar	Potassium as K2O	IS 9749
34	CHEMICAL- ORES & MINERALS	Feldspar	Silica as SiO2	IS 9749
35	CHEMICAL- ORES & MINERALS	Feldspar	Sodium as Na2O	IS 9749
36	CHEMICAL- ORES & MINERALS	Gypsum	Alumina	IS 1288
37	CHEMICAL- ORES & MINERALS	Gypsum	Calcium Oxide as CaO	IS 1288

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38	CHEMICAL- ORES & MINERALS	Gypsum	Combined Water	IS 1288
39	CHEMICAL- ORES & MINERALS	Gypsum	Ferric oxide	IS 1288
40	CHEMICAL- ORES & MINERALS	Gypsum	Magnesium Oxide as MgO	IS 1288
41	CHEMICAL- ORES & MINERALS	Gypsum	Silica as SiO2	IS 1288
42	CHEMICAL- ORES & MINERALS	Gypsum	Sodium Chloride NaCl	IS 1288
43	CHEMICAL- ORES & MINERALS	Gypsum	Sulphur Trioxide as SO3	IS 1288
44	CHEMICAL- ORES & MINERALS	Iron Ore	Alumina as Al2O3	IS 1493 P-1
45	CHEMICAL- ORES & MINERALS	Iron Ore	Iron as Fe	IS 1493 P-1
46	CHEMICAL- ORES & MINERALS	Iron Ore	Phosphorous as P	IS 1493 P-1
47	CHEMICAL- ORES & MINERALS	Iron Ore	Silica as SiO2	IS 1493 P-1
48	CHEMICAL- ORES & MINERALS	Iron Ore	Sulphur as S	IS 1493
49	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Alumina as Al203	IS 1760 (P-3)
50	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Calcium Oxide as CaO	IS 1760 (P-3)
51	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Ferric Oxide s Fe2O3	IS 1760 (P-3)
52	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Loss on Ignition	IS 1760 (P-1)
53	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Magnesium Oxide as MgO	IS 1760 (P-3)
54	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Silica as SiO2	IS 1760 (P-2)
55	CHEMICAL- ORES & MINERALS	Manganese Ore	Alumina as Al2O3	IS 1473
56	CHEMICAL- ORES & MINERALS	Manganese Ore	Iron as Fe	IS 1473

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57	CHEMICAL- ORES & MINERALS	Manganese Ore	Manganese as MnO2	IS 1473 (Class 10)
58	CHEMICAL- ORES & MINERALS	Manganese Ore	Phosphorous as P	IS 1473
59	CHEMICAL- ORES & MINERALS	Manganese Ore	Silica as SiO2	IS 1473
60	CHEMICAL- ORES & MINERALS	Manganese Ore	Sulphur as S	IS 1473
61	CHEMICAL- ORES & MINERALS	Manganese Ore	Total Manganese as Mn	IS 1473 (Class 9)
62	CHEMICAL- ORES & MINERALS	Mill Scale	Alumina as Al2O3	IS 1493 (P-1)
63	CHEMICAL- ORES & MINERALS	Mill Scale	Iron as Fe	IS 1493
64	CHEMICAL- ORES & MINERALS	Mill Scale	Phosphorus as P	IS 1493
65	CHEMICAL- ORES & MINERALS	Mill Scale	Silica	IS 1493
66	CHEMICAL- ORES & MINERALS	Mill Scale	Sulphur as S	IS 1493
67	CHEMICAL- ORES & MINERALS	Quartz/Quarzite/High Silica Sand	Alimina	IGI/CHN/TPM/1,ISSUE NO.-01
68	CHEMICAL- ORES & MINERALS	Quartz/Quarzite/High Silica Sand	Calcium Oxide	IGI/CHN/TPM/2,ISSUE NO.-01
69	CHEMICAL- ORES & MINERALS	Quartz/Quarzite/High Silica Sand	Ferric oxide	IGI/CHN/TPM/5,ISSUE NO.-01
70	CHEMICAL- ORES & MINERALS	Quartz/Quarzite/High Silica Sand	Loss on ignition	IS 1917 (P-1)
71	CHEMICAL- ORES & MINERALS	Quartz/Quarzite/High Silica Sand	Magnesium Oxide	IGI/CHN/TPM/3,ISSUE NO.-01
72	CHEMICAL- ORES & MINERALS	Quartz/Quarzite/High Silica Sand	Silica	IS 1917 (P-3)
73	CHEMICAL- SOLID FUELS	Coal	Ash	ISO 1171
74	CHEMICAL- SOLID FUELS	Coal	Ash	ASTM D3174
75	CHEMICAL- SOLID FUELS	Coal	Ash	ASTM D7582
76	CHEMICAL- SOLID FUELS	Coal	Ash	IS 1350 (P-1)
77	CHEMICAL- SOLID FUELS	Coal	Ash on Equilibriated basis	IS 1350 (P-1)

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78	CHEMICAL- SOLID FUELS	Coal	Carbon	ASTM D5373
79	CHEMICAL- SOLID FUELS	Coal	Carbon	ISO 29541
80	CHEMICAL- SOLID FUELS	Coal	Chlorine as Cl	IS 1350 (P-5)
81	CHEMICAL- SOLID FUELS	Coal	Chlorine as Cl	ISO 587
82	CHEMICAL- SOLID FUELS	Coal	Crucible Swelling Index/ Free Swelling Index	ASTM D720
83	CHEMICAL- SOLID FUELS	Coal	Crucible Swelling Index/ Free Swelling Index	IS 1353(Part 1)
84	CHEMICAL- SOLID FUELS	Coal	Crucible Swelling Index/ Free Swelling Index	ISO 501
85	CHEMICAL- SOLID FUELS	Coal	Equilibriated Moisture	IS 1350(P-1)
86	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon on Equilibriated basis	IS 1350(P-1)
87	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon, FC	ASTM D 7582
88	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon, FC	ASTM D3172
89	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon, FC	IS 1350 (P-1)
90	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon, FC	ISO 17246
91	CHEMICAL- SOLID FUELS	Coal	Flow Temperature (FT)	ASTM D1857
92	CHEMICAL- SOLID FUELS	Coal	Flow Temperature (FT)	ISO 540
93	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value	ASTM D5865
94	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value	IS 1350 (P-2)
95	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value	ISO 1928
96	CHEMICAL- SOLID FUELS	Coal	Gross calorific value on Equilibriated basis	IS 1350(P-2)
97	CHEMICAL- SOLID FUELS	Coal	Hemispherical Temperature (HT)	ASTM D1857
98	CHEMICAL- SOLID FUELS	Coal	Hemispherical Temperature (HT)	ISO 540
99	CHEMICAL- SOLID FUELS	Coal	Hydrogen	ASTM D 5373
100	CHEMICAL- SOLID FUELS	Coal	Hydrogen	ISO 29541
101	CHEMICAL- SOLID FUELS	Coal	Initial Deformation Temperature (IDT)	ASTM D1857
102	CHEMICAL- SOLID FUELS	Coal	Initial Deformation Temperature (IDT)	ISO 540

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103	CHEMICAL- SOLID FUELS	Coal	Moisture in Analysis sample (IM)	ASTM D 3173
104	CHEMICAL- SOLID FUELS	Coal	Moisture in Analysis sample (IM)	ASTM D7582
105	CHEMICAL- SOLID FUELS	Coal	Moisture in Analysis sample (IM)	IS 1350 (P-1)
106	CHEMICAL- SOLID FUELS	Coal	Moisture in Analysis sample (IM)	ISO 11722
107	CHEMICAL- SOLID FUELS	Coal	Nitrogen	ASTM D 5373
108	CHEMICAL- SOLID FUELS	Coal	Nitrogen	ISO 29541
109	CHEMICAL- SOLID FUELS	Coal	Oxygen	ASTM D3176
110	CHEMICAL- SOLID FUELS	Coal	Phosphorous as P	IS 1350 (P-5)
111	CHEMICAL- SOLID FUELS	Coal	Spherical Temperature (ST)	ASTM D1857
112	CHEMICAL- SOLID FUELS	Coal	Spherical Temperature (ST)	ISO 540
113	CHEMICAL- SOLID FUELS	Coal	Sulphur as S	ASTM D4239
114	CHEMICAL- SOLID FUELS	Coal	Sulphur as S	IS 1350 (P-3)
115	CHEMICAL- SOLID FUELS	Coal	Sulphur as S	ISO 19579
116	CHEMICAL- SOLID FUELS	Coal	Sulphur as S	ISO 334
117	CHEMICAL- SOLID FUELS	Coal	Total Moisture	ASTM D 3302
118	CHEMICAL- SOLID FUELS	Coal	Total Moisture	ASTM D2961
119	CHEMICAL- SOLID FUELS	Coal	Total Moisture	IS 1350 (PART 1)
120	CHEMICAL- SOLID FUELS	Coal	Total Moisture	ISO 589
121	CHEMICAL- SOLID FUELS	Coal	Volatile matter on Equilibriated basis	IS 1350 (P- 1)
122	CHEMICAL- SOLID FUELS	Coal	Volatile Matter, VM	ASTM D 3175
123	CHEMICAL- SOLID FUELS	Coal	Volatile Matter, VM	ASTM D7582
124	CHEMICAL- SOLID FUELS	Coal	Volatile Matter, VM	IS 1350 (P-1)
125	CHEMICAL- SOLID FUELS	Coal	Volatile Matter, VM	ISO 562
126	CHEMICAL- SOLID FUELS	Coal & Coke	Ash	ASTM D 4422
127	CHEMICAL- SOLID FUELS	Coal (Ash Composition)	Alumina as Al2O3	IS 1355
128	CHEMICAL- SOLID FUELS	Coal (Ash Composition)	Calcium as CaO	IS 1355
129	CHEMICAL- SOLID FUELS	Coal (Ash Composition)	Iron as Fe2O3	IS 1355

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130	CHEMICAL- SOLID FUELS	Coal (Ash Composition)	Magnesium as MgO	IS 1355
131	CHEMICAL- SOLID FUELS	Coal (Ash Composition)	Manganese as MnO	IS 1355
132	CHEMICAL- SOLID FUELS	Coal (Ash Composition)	Phosphorous as P2O5	IS 1355
133	CHEMICAL- SOLID FUELS	Coal (Ash Composition)	Potassium as K2O	IS 1355
134	CHEMICAL- SOLID FUELS	Coal (Ash Composition)	Silica as SiO2	IS 1355
135	CHEMICAL- SOLID FUELS	Coal (Ash Composition)	Sodium as Na2O	IS 1355
136	CHEMICAL- SOLID FUELS	Coal (Ash Composition)	Sulphur as SO3	IS 1355
137	CHEMICAL- SOLID FUELS	Coal (Ash Composition)	Titanium as TiO2	IS 1355
138	CHEMICAL- SOLID FUELS	Coke	Ash	ASTM D 3174
139	CHEMICAL- SOLID FUELS	Coke	Ash	IS 1350 (Part 1)
140	CHEMICAL- SOLID FUELS	Coke	Ash	ISO 1171
141	CHEMICAL- SOLID FUELS	Coke	Ash Composition as TiO2	IS 1355
142	CHEMICAL- SOLID FUELS	Coke	Ash Composition Iron as Fe2O3	IS 1355
143	CHEMICAL- SOLID FUELS	Coke	Ash Composition-Alumina as Al2O3	IS 1355
144	CHEMICAL- SOLID FUELS	Coke	Ash Composition-Calcium as CaO	IS 1355
145	CHEMICAL- SOLID FUELS	Coke	Ash Composition-Magnesium as MgO	IS 1355
146	CHEMICAL- SOLID FUELS	Coke	Ash Composition-Manganese as MnO	IS 1355
147	CHEMICAL- SOLID FUELS	Coke	Ash Composition-Phosphorus as P2O5	IS 1355
148	CHEMICAL- SOLID FUELS	Coke	Ash Composition-Potassium as K2O	IS 1355
149	CHEMICAL- SOLID FUELS	Coke	Ash Composition-Silica as SiO2	IS 1355
150	CHEMICAL- SOLID FUELS	Coke	Ash Composition-Sodium as Na2O	IS 1355
151	CHEMICAL- SOLID FUELS	Coke	Ash Composition-Sulphur as SO3	IS 1355
152	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon	ASTM D 3172
153	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon	IS 1350 (Part-1)
154	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon	ISO 17246
155	CHEMICAL- SOLID FUELS	Coke	Gross Calorific	IS 1350 (Part 2)

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156	CHEMICAL- SOLID FUELS	Coke	Gross Calorific Value	ASTM D 5865
157	CHEMICAL- SOLID FUELS	Coke	Gross Calorific Value	ISO 1928
158	CHEMICAL- SOLID FUELS	Coke	Hydrogen	ISO 29541
159	CHEMICAL- SOLID FUELS	Coke	Moisture in Analysis sample (IM)	ASTM D 3173/ D 3173 M
160	CHEMICAL- SOLID FUELS	Coke	Moisture in Analysis sample (IM)	IS 1350 (Part 1)
161	CHEMICAL- SOLID FUELS	Coke	Moisture in Analysis sample (IM)	ISO 687
162	CHEMICAL- SOLID FUELS	Coke	Phosphorus	IS 1350 (Part 5)
163	CHEMICAL- SOLID FUELS	Coke	Sulphur	ASTM D 4239
164	CHEMICAL- SOLID FUELS	Coke	Sulphur	IS 1350 (Part 3)
165	CHEMICAL- SOLID FUELS	Coke	Sulphur	ISO 19579
166	CHEMICAL- SOLID FUELS	Coke	Sulphur	ISO 334
167	CHEMICAL- SOLID FUELS	Coke	Total Moisture	IS 1350 (Part 1)
168	CHEMICAL- SOLID FUELS	Coke	Total Moisture	ISO 579
169	CHEMICAL- SOLID FUELS	Coke	Ultimate Analysis-Carbon	ASTM D 5373
170	CHEMICAL- SOLID FUELS	Coke	Ultimate Analysis-Carbon	ISO 29541
171	CHEMICAL- SOLID FUELS	Coke	Ultimate Analysis-Hydrogen	ASTM D 5373
172	CHEMICAL- SOLID FUELS	Coke	Ultimate Analysis-Nitrogen	ASTM D 5373
173	CHEMICAL- SOLID FUELS	Coke	Ultimate Analysis-Nitrogen	ISO 29541
174	CHEMICAL- SOLID FUELS	Coke	Ultimate Analysis-Oxygen	ASTM D 3176
175	CHEMICAL- SOLID FUELS	Coke	Volatile Matter	ASTM D 3175
176	CHEMICAL- SOLID FUELS	Coke	Volatile Matter	IS 1350 (Part 1)
177	CHEMICAL- SOLID FUELS	Coke	Volatile Matter	ISO 562
178	CHEMICAL- SOLID FUELS	Pet Coke	Ash	ASTM D4422
179	CHEMICAL- SOLID FUELS	Pet Coke	Carbon	ASTM D5373
180	CHEMICAL- SOLID FUELS	Pet Coke	Carbon	ISO 29541
181	CHEMICAL- SOLID FUELS	Pet Coke	Fixed Carbon, FC	ASTM D3172
182	CHEMICAL- SOLID FUELS	Pet Coke	Gross Calorific Value	ASTM D5865
183	CHEMICAL- SOLID FUELS	Pet Coke	Gross Calorific Value	IS 1350 (P-2)
184	CHEMICAL- SOLID FUELS	Pet Coke	Gross Calorific Value	ISO 1928

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185	CHEMICAL- SOLID FUELS	Pet Coke	Hydrogen	ASTM D5373
186	CHEMICAL- SOLID FUELS	Pet Coke	Hydrogen	ISO 29541
187	CHEMICAL- SOLID FUELS	Pet Coke	Moisture in Analysis sample (IM)	ASTM D3173
188	CHEMICAL- SOLID FUELS	Pet Coke	Moisture in Analysis sample (IM)	IS 1350 (P-1)
189	CHEMICAL- SOLID FUELS	Pet Coke	Moisture in Analysis sample (IM)	ISO 11722
190	CHEMICAL- SOLID FUELS	Pet Coke	Moisture in Analysis sample (IM)	ISO 687
191	CHEMICAL- SOLID FUELS	Pet Coke	Moisture in Analysis sample (IM)	ASTM D7582
192	CHEMICAL- SOLID FUELS	Pet Coke	Nitrogen	ASTM D5373
193	CHEMICAL- SOLID FUELS	Pet Coke	Nitrogen	ISO 29541
194	CHEMICAL- SOLID FUELS	Pet Coke	Oxygen	ASTM D3176
195	CHEMICAL- SOLID FUELS	Pet Coke	Total Moisture	ASTM D4931
196	CHEMICAL- SOLID FUELS	Pet coke	Total Sulphur	ISO 19579
197	CHEMICAL- SOLID FUELS	Pet Coke	Volatile Matter, VM	ASTM D6374
198	CHEMICAL- SOLID FUELS	PetCoke	Total Sulphur	ASTM D 4239