National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	COTECNA INSPECTION INDIA PVT LTD, GARUDA MANSION, 2ND FLOOR, D.NO.26-3-10/A, CHITTARANJAN DAS MARG, SEAHORSE JUNCTION, VISAKHAPATNAM, ANDHRA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7248	**Page No**	1 of 7
Validity	22/06/2021 to 21/06/2023	**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	CHEMICAL- METALS & ALLOYS	Ferro Chrome (High Carbon)	Chromium	IS 13452
2	CHEMICAL- METALS & ALLOYS	Ferro Chrome (High Carbon)	Phosphorus	IS 13452
3	CHEMICAL- METALS & ALLOYS	Ferro Chrome (High Carbon)	Phosphorus	SOP (TPM/CIIPL/VSP/06C2) Issue No. 01, Dated 01.03.2016
4	CHEMICAL- METALS & ALLOYS	Ferro Chrome(High Carbon)	Silicon	IS 13452
5	CHEMICAL- METALS & ALLOYS	Ferro Manganese	Manganese(Mn)	IS 1559:1961 RA 2018
6	CHEMICAL- METALS & ALLOYS	Ferro Manganese	Manganese(Mn)	ISO 4159
7	CHEMICAL- METALS & ALLOYS	Ferro Manganese	Phosphorus(P)	IS 1559:1961
8	CHEMICAL- METALS & ALLOYS	Ferro Manganese	Silicon(Si)	IS 1559 : 1961
9	CHEMICAL- METALS & ALLOYS	Silico Manganese	Manganese(Mn)	IS 1559:1961
10	CHEMICAL- METALS & ALLOYS	Silico Manganese	Manganese(Mn)	ISO 4159
11	CHEMICAL- METALS & ALLOYS	Silico Manganese	Phosphorus	IS 1559:1961
12	CHEMICAL- METALS & ALLOYS	Silico Manganese	Silicon(Si)	IS 1559:1961
13	CHEMICAL- ORES & MINERALS	Bauxite/Laterite	Alumina as Al2O3	IS 2000(P-3):1985
14	CHEMICAL- ORES & MINERALS	Bauxite/Laterite	Ferric Oxide-Fe2O3	IS 2000(P-4):1985
15	CHEMICAL- ORES & MINERALS	Bauxite/Laterite	Loss on Ignition	IS 2000(P-1):1985
16	CHEMICAL- ORES & MINERALS	Bauxite/Laterite	Phosphorus as P2O5	IS 2000(P-7):2001
17	CHEMICAL- ORES & MINERALS	Bauxite/Laterite	Silica as SiO2	IS 2000(P-2):1985
18	CHEMICAL- ORES & MINERALS	Bauxite/Laterite	Titania as TiO2	IS 2000(P-5):1985

SCOPE OF ACCREDITATION

Laboratory Name : COTECNA INSPECTION INDIA PVT LTD, GARUDA MANSION, 2ND FLOOR, D.NO.26-3-10/A, CHITTARANJAN DAS MARG, SEAHORSE JUNCTION, VISAKHAPATNAM, ANDHRA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7248 **Page No** 2 of 7

Validity 22/06/2021 to 21/06/2023 **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	CHEMICAL- ORES & MINERALS	Chromite Ore	Alumina(Al2O3)	IS 4737:2004
20	CHEMICAL- ORES & MINERALS	Chromite Ore	Alumina(Al2O3)	SOP((TPM/CIIPL/VSP/02D2),Issue No. 01,Dated 01.03.2016
21	CHEMICAL- ORES & MINERALS	Chromite Ore	Calcium Oxide(CaO)	IS 4737:2004
22	CHEMICAL- ORES & MINERALS	Chromite Ore	Calcium Oxide(CaO)	SOP(TPM/CIIPL/VSP/03E2) Issue No. 01, Dated 01.03.2016
23	CHEMICAL- ORES & MINERALS	Chromite Ore	Chromic Oxide(Cr2O3)	IS 4737:2004
24	CHEMICAL- ORES & MINERALS	Chromite Ore	Magnesium Oxide(MgO)	IS 4737:2004
25	CHEMICAL- ORES & MINERALS	Chromite Ore	Magnesium Oxide(MgO)	SOP (TPM/CIIPL/VSP/03F2) Issue No. 01, Dated 01.03.2016
26	CHEMICAL- ORES & MINERALS	Chromite Ore	Moisture	IS 4737 :2004
27	CHEMICAL- ORES & MINERALS	Chromite Ore	Moisture	IS 8562:1977
28	CHEMICAL- ORES & MINERALS	Chromite Ore	Phosphorous(P)	SOP (TPM/CIIPL/VSP/03G2) Issue No. 01, Dated 01.03.2016
29	CHEMICAL- ORES & MINERALS	Chromite Ore	Silica(SiO2)	IS 4737:2004
30	CHEMICAL- ORES & MINERALS	Chromite Ore	Total Iron(Fe)	IS 4737:2004
31	CHEMICAL- ORES & MINERALS	Dolomite	Alumina(Al2O3)	IS 1760 (Part 3):1992
32	CHEMICAL- ORES & MINERALS	Dolomite	Calcium Oxide(CaO)	IS 1760 (part 3):1992
33	CHEMICAL- ORES & MINERALS	Dolomite	Ferric oxide (Fe2O3)	IS 1760 (Part 3):1992
34	CHEMICAL- ORES & MINERALS	Dolomite	Ferric Oxide (Fe2O3)	SOP (TPM/CIIPL/VSP/04C2) Issue No. 02 Dated 08.01.2018
35	CHEMICAL- ORES & MINERALS	Dolomite	Loss on Ignition (LOI)	IS 1760 (Part 1)1991
36	CHEMICAL- ORES & MINERALS	Dolomite	Magnesium Oxide(MgO)	IS 1760 (part 3):1992
37	CHEMICAL- ORES & MINERALS	Dolomite	Silica (SiO2)	IS 1760 (Part 2):1991

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7248	**Page No**	3 of 7
Validity	22/06/2021 to 21/06/2023	**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	CHEMICAL- ORES & MINERALS	Iron Ore(Lumps/Fines/Pellets)	Alumina(Al2O3)	IS 1493 (Part 1):1981
39	CHEMICAL- ORES & MINERALS	Iron ore(lumps/fines/pellets)	Loss On Ignition	Indian Bureau of Mines
40	CHEMICAL- ORES & MINERALS	Iron Ore(Lumps/Fines/Pellets)	Phosphorus(P)	IS 1493 (Part 1):1981
41	CHEMICAL- ORES & MINERALS	Iron Ore(Lumps/Fines/Pellets)	Phosphorus(P)	SOP: (TPM/CIIPL/VSP/01D2), Issue No-01, Dated 01.03.2016
42	CHEMICAL- ORES & MINERALS	Iron Ore(Lumps/Fines/Pellets)	Silica(SiO2)	IS 1493 (Part 1):1981
43	CHEMICAL- ORES & MINERALS	Iron Ore(Lumps/Fines/Pellets)	Sulphur(S)	IS 1493 (Part 1):1981
44	CHEMICAL- ORES & MINERALS	Iron Ore(Lumps/Fines/Pellets)	Total Iron(Fe)	IS 1493 (Part 1):1981
45	CHEMICAL- ORES & MINERALS	Limestone	Alumina (Al2O3)	IS 1760 (Part 3):1992
46	CHEMICAL- ORES & MINERALS	Limestone	Calcium Oxide(CaO)	IS 1760 (part 3):1992
47	CHEMICAL- ORES & MINERALS	Limestone	Ferric Oxide (Fe2O3)	IS 1760 (Part 3):1992
48	CHEMICAL- ORES & MINERALS	Limestone	Ferric Oxide (Fe2O3)	SOP (TPM/CIIPL/VSP/04C2) Issue No. 02, Dated 08.01.2018
49	CHEMICAL- ORES & MINERALS	Limestone	Loss on Ignition (LOI)	IS 1760 (Part 1):1991
50	CHEMICAL- ORES & MINERALS	Limestone	Magnesium Oxide (MgO)	IS 1760 (Part 3):1992
51	CHEMICAL- ORES & MINERALS	Limestone	Silica (SiO2)	IS 1760 (Part 2):1991
52	CHEMICAL- ORES & MINERALS	Manganese Ore	Alumina(Al2O3)	IS 1473:2004
53	CHEMICAL- ORES & MINERALS	Manganese Ore	Alumina(Al2O3)	SOP(TPM/CIIPL/VSP/02D2),Issue No. 01,Dated 01.03.2016
54	CHEMICAL- ORES & MINERALS	Manganese Ore	Iron(Fe)	IS 1473:2004
55	CHEMICAL- ORES & MINERALS	Manganese Ore	Manganese(Mn)	IS 1473:2004
56	CHEMICAL- ORES & MINERALS	Manganese Ore	Manganese(Mn)	ISO 4298:1984

SCOPE OF ACCREDITATION

Laboratory Name : COTECNA INSPECTION INDIA PVT LTD, GARUDA MANSION, 2ND FLOOR, D.NO.26-3-10/A, CHITTARANJAN DAS MARG, SEAHORSE JUNCTION, VISAKHAPATNAM, ANDHRA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7248 **Page No** 4 of 7

Validity 22/06/2021 to 21/06/2023 **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
57	CHEMICAL- ORES & MINERALS	Manganese Ore	Phosphorus(P)	IS 1473:2004
58	CHEMICAL- ORES & MINERALS	Manganese Ore	Phosphorus(P)	SOP(TPM/CIIPL/VSP/02E2),Issue No. 01, Dated 01.03.2016
59	CHEMICAL- ORES & MINERALS	Manganese Ore	Silica(SiO2)	IS 1473:2004
60	CHEMICAL- ORES & MINERALS	Rock Phosphate	Loss on Ignition (LOI)	IS 11224:1985
61	CHEMICAL- ORES & MINERALS	Rock Phosphate	Moisture	IS 11224:1985
62	CHEMICAL- ORES & MINERALS	Rock Phosphate	Silica(SiO2)	IS 11224:1985
63	CHEMICAL- ORES & MINERALS	Rock Phosphate	Total P2O5	IS 11224:1985
64	CHEMICAL- SOLID FUELS	Ash Elemental Analysis of Coal	Alumina(Al2O3)	IS 1355:1984
65	CHEMICAL- SOLID FUELS	Ash Elemental Analysis of Coal	CaO	IS 1355:1984
66	CHEMICAL- SOLID FUELS	Ash Elemental Analysis of Coal	Fe2O3	IS 1355:1984
67	CHEMICAL- SOLID FUELS	Ash Elemental Analysis of Coal	K2O	IS 1355:1984
68	CHEMICAL- SOLID FUELS	Ash Elemental Analysis of Coal	MgO	IS 1355:1984
69	CHEMICAL- SOLID FUELS	Ash Elemental Analysis of coal	Mn3O4	IS 1355:1984
70	CHEMICAL- SOLID FUELS	Ash Elemental Analysis of Coal	Na2O	IS 1355:1984
71	CHEMICAL- SOLID FUELS	Ash Elemental Analysis of coal	P2O5	IS 1355:1984
72	CHEMICAL- SOLID FUELS	Ash Elemental Analysis of Coal	Silica(SiO2)	IS 1355:1984
73	CHEMICAL- SOLID FUELS	Ash Elemental Analysis of Coal	SO3	IS 1355:1984
74	CHEMICAL- SOLID FUELS	Ash Elemental Analysis Of Coal	TiO2	IS 1355:1984
75	CHEMICAL- SOLID FUELS	Coal	AFT-Flow Temperature(FT)-Reduction	ASTM D1857/D1857M
76	CHEMICAL- SOLID FUELS	Coal	AFT-Flow Temperature-Oxidation	ASTM D1857/D1857M
77	CHEMICAL- SOLID FUELS	Coal	AFT-Hemispherical Temperature(HT)-Oxidation	ASTM D1857/D1857M
78	CHEMICAL- SOLID FUELS	Coal	AFT-Hemispherical Temperature(HT)-Reduction	ASTM D1857/D1857M
79	CHEMICAL- SOLID FUELS	Coal	AFT-Initial Deformation(IDT)-Oxidation	ASTM D1857/D1857M

SCOPE OF ACCREDITATION

Laboratory Name :	COTECNA INSPECTION INDIA PVT LTD, GARUDA MANSION, 2ND FLOOR, D.NO.26-3-10/A, CHITTARANJAN DAS MARG, SEAHORSE JUNCTION, VISAKHAPATNAM, ANDHRA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7248	**Page No**	5 of 7
Validity	22/06/2021 to 21/06/2023	**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
80	CHEMICAL- SOLID FUELS	Coal	AFT-Initial Deformation(IDT)-Reduction	ASTM D1857/D1857M
81	CHEMICAL- SOLID FUELS	Coal	AFT-Softening Temperature(ST)-Oxidation	ASTM D1857/D1857M
82	CHEMICAL- SOLID FUELS	Coal	AFT-Softening Temperature(ST)-Reduction	ASTM D1857/D1857M
83	CHEMICAL- SOLID FUELS	Coal	Ash	ASTM D 3174:2012
84	CHEMICAL- SOLID FUELS	Coal	Ash	IS 1350 (Part 1):1984
85	CHEMICAL- SOLID FUELS	Coal	Ash(60% RH & 40 Deg C)	IS 1350(part 1):1984
86	CHEMICAL- SOLID FUELS	Coal	Carbon as C	ASTM D 5373
87	CHEMICAL- SOLID FUELS	Coal	Crucible Swelling Number	ASTM D720/D720M:2015
88	CHEMICAL- SOLID FUELS	Coal	Crucible Swelling Number	IS 1353
89	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon	ASTM D 3172
90	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon	IS 1350 (Part 1):1984
91	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon(60% RH & 40 Deg C)	IS 1350(part1):1984
92	CHEMICAL- SOLID FUELS	Coal	GCV(60% RH & 40 Deg C)	IS 1350 part 2
93	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value	ASTM D 5865/D5865M
94	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value	IS 1350 (Part 2)
95	CHEMICAL- SOLID FUELS	Coal	Hard Grove Grindability Index(HGI)	ASTM D409/D409M
96	CHEMICAL- SOLID FUELS	Coal	Hydrogen as H	ASTM D 5373
97	CHEMICAL- SOLID FUELS	Coal	Net Calorific Value	ASTM D5865/D5865M
98	CHEMICAL- SOLID FUELS	Coal	Net Calorific value	IS 1350(Part2)
99	CHEMICAL- SOLID FUELS	Coal	Nitrogen as N	ASTM D 5373
100	CHEMICAL- SOLID FUELS	Coal	Oxygen as O	ASTM D3176
101	CHEMICAL- SOLID FUELS	Coal	Phosphorus	IS 1350 (Part 5)
102	CHEMICAL- SOLID FUELS	Coal	Proximate Analysis- Moisture	ASTM D 3173/3173M
103	CHEMICAL- SOLID FUELS	Coal	Proximate Analysis- Moisture	IS 1350 (Part 1)
104	CHEMICAL- SOLID FUELS	Coal	Proximate Analysis-Moisture(60% RH & 40 deg C)	IS 1350(Part1):1984
105	CHEMICAL- SOLID FUELS	Coal	Sulphur as S	ASTM D4239
106	CHEMICAL- SOLID FUELS	Coal	Total Moisture	ASTM D 3302/D3302M

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7248	**Page No**	6 of 7
Validity	22/06/2021 to 21/06/2023	**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
107	CHEMICAL- SOLID FUELS	Coal	Total Moisture	IS 1350 (Part 1);1984
108	CHEMICAL- SOLID FUELS	Coal	Total Sulphur	IS 1350 (part 3):1969
109	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	ASTM D 3175
110	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	IS 1350 (part 1)
111	CHEMICAL- SOLID FUELS	Coal	Volatile Matter(60% RH & 40 Deg C)	IS 1350(part 1):1984
112	CHEMICAL- SOLID FUELS	Coke	AFT-Flow Temperature(FT)-Oxidation	ASTM D 1857/D1857M
113	CHEMICAL- SOLID FUELS	Coke	AFT-Flow Temperature(FT)-Reduction	ASTM D 1857/D1857M
114	CHEMICAL- SOLID FUELS	Coke	AFT-Hemispherical Temperature(HT)-Oxidation	ASTM D1857/D1857M
115	CHEMICAL- SOLID FUELS	Coke	AFT-Hemispherical Temperature(HT)-Reduction	ASTM D1857/D1857M
116	CHEMICAL- SOLID FUELS	Coke	AFT-Initial Deformation(IDT)-Oxidation	ASTM D1857/D 1857 M
117	CHEMICAL- SOLID FUELS	Coke	AFT-Initial Deformation(IDT)-Reduction	ASTM D1857/D1857 M
118	CHEMICAL- SOLID FUELS	Coke	AFT-Softening Temperature(ST)-Oxidation	ASTM D1857/D1857M
119	CHEMICAL- SOLID FUELS	Coke	AFT-Softening Temperature(ST)-Reduction	ASTM D1857/D1857M
120	CHEMICAL- SOLID FUELS	Coke	Ash	ASTM D 3174:2012
121	CHEMICAL- SOLID FUELS	Coke	Ash	IS 1350 (part 1):1984
122	CHEMICAL- SOLID FUELS	Coke	Carbon as C	ASTM D 5373
123	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon	ASTM D 3172
124	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon	IS 1350 (Part 1):1984
125	CHEMICAL- SOLID FUELS	Coke	Gross Calorific Value	ASTM D5865/D5865M
126	CHEMICAL- SOLID FUELS	Coke	Gross Calorific Value	IS 1350 (Part 2)
127	CHEMICAL- SOLID FUELS	Coke	Hydrogen as H	ASTM D 5373
128	CHEMICAL- SOLID FUELS	Coke	Nitrogen as N	ASTM D5373
129	CHEMICAL- SOLID FUELS	Coke	Oxygen as O	ASTM D3176
130	CHEMICAL- SOLID FUELS	Coke	Phosphorus	IS 1350 (Part 5)
131	CHEMICAL- SOLID FUELS	Coke	Proximate Analysis Moisture	ASTM D 3173/3173M

SCOPE OF ACCREDITATION

Laboratory Name : COTECNA INSPECTION INDIA PVT LTD, GARUDA MANSION, 2ND FLOOR, D.NO.26-3-10/A, CHITTARANJAN DAS MARG, SEAHORSE JUNCTION, VISAKHAPATNAM, ANDHRA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7248 **Page No** 7 of 7

Validity 22/06/2021 to 21/06/2023 **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
132	CHEMICAL- SOLID FUELS	Coke	Proximate Analysis Moisture	IS 1350 (Part 1):1984
133	CHEMICAL- SOLID FUELS	Coke	Sulphur as S	ASTM D4239
134	CHEMICAL- SOLID FUELS	Coke	Total Moisture	ASTM D3302/ D3302M
135	CHEMICAL- SOLID FUELS	Coke	Total Moisture	IS 1350 (Part 1):1984
136	CHEMICAL- SOLID FUELS	Coke	Total Sulphur	IS 1350 (part 3):1969
137	CHEMICAL- SOLID FUELS	Coke	Volatile Matter	ASTM D 3175
138	CHEMICAL- SOLID FUELS	Coke	Volatile Matter	IS 1350 (part 1):1984