National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TATA STEEL LIMITED, NARENDRAPUR, DHENKANAL, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9571 **Page No** 1 of 5

Validity 17/02/2022 to 31/05/2023 **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- METALLIC COATINGS & TREATMENT SOLUTIONS	GALVANIZED STEEL SHEETS	Mass of Zinc Coating	ASTM A653
2	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	GALVANIZED STEEL SHEETS	Mass of Zinc Coating	DIN EN 10346
3	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	GALVANIZED STEEL SHEETS	Mass of Zinc Coating	IS 6745
4	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	GALVANIZED STEEL SHEETS	Mass of Zinc Coating	JIS 3302
5	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Steel Sheet, 55 % Aluminum-Zinc Alloy-Coated	Mass of Zinc Coating	JIS 3321
6	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Steel Sheet, 55 % Aluminum-Zinc Alloy-Coated	Mass of Zinc Coating	ASTM A792
7	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Steel Sheet, 55 % Aluminum-Zinc Alloy-Coated	Mass of Zinc Coating	DIN EN 10346
8	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Steel Sheet, 55 % Aluminum-Zinc Alloy-Coated	Mass of Zinc Coating	IS 6745
9	CHEMICAL- METALS & ALLOYS	Low Alloy Steel / Carbon steel	Aluminum	ASTM E415
10	CHEMICAL- METALS & ALLOYS	Low Alloy Steel / Carbon steel	Calcium	ASTM E415
11	CHEMICAL- METALS & ALLOYS	Low Alloy Steel / Carbon steel	Carbon	ASTM E415
12	CHEMICAL- METALS & ALLOYS	Low Alloy Steel / Carbon steel	Chromium	ASTM E415
13	CHEMICAL- METALS & ALLOYS	Low Alloy Steel / Carbon steel	Copper	ASTM E415
14	CHEMICAL- METALS & ALLOYS	Low Alloy Steel / Carbon steel	Manganese	ASTM E415
15	CHEMICAL- METALS & ALLOYS	Low Alloy Steel / Carbon steel	Molybdenum	ASTM E415

SCOPE OF ACCREDITATION

Laboratory Name : TATA STEEL LIMITED, NARENDRAPUR, DHENKANAL, ODISHA, INDIA
Accreditation Standard ISO/IEC 17025:2017
Certificate Number TC-9571 **Page No** 2 of 5
Validity 17/02/2022 to 31/05/2023 **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
16	CHEMICAL- METALS & ALLOYS	Low Alloy Steel / Carbon steel	Nickel	ASTM E415
17	CHEMICAL- METALS & ALLOYS	Low Alloy Steel / Carbon steel	Niobium	ASTM E415
18	CHEMICAL- METALS & ALLOYS	Low Alloy Steel / Carbon steel	Nitrogen	ASTM E415
19	CHEMICAL- METALS & ALLOYS	Low Alloy Steel / Carbon steel	Phosphorus	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Low Alloy Steel / Carbon steel	Silicon	ASTM E415
21	CHEMICAL- METALS & ALLOYS	Low Alloy Steel / Carbon steel	Sulphur	ASTM E415
22	CHEMICAL- METALS & ALLOYS	Low Alloy Steel / Carbon steel	Titanium	ASTM E415
23	CHEMICAL- METALS & ALLOYS	Low Alloy Steel / Carbon steel	Vanadium	ASTM E415
24	CHEMICAL- SOLID FUELS	Coal	Ash as Dried Basis	IS 1350 Part 1
25	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon (by calculation)	IS 1350 Part 1
26	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value as Air Dried Basis	ASTM D 5865/D5865M
27	CHEMICAL- SOLID FUELS	Coal	Total Moisture	IS 1350 Part 1
28	CHEMICAL- SOLID FUELS	Coal	Volatile Matter as Dried Basis	IS 1350 Part 1
29	CHEMICAL- SOLID FUELS	Coke	Ash as Dried Basis	IS 1350 Part 1
30	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon (by calculation)	IS 1350 Part 1
31	CHEMICAL- SOLID FUELS	Coke	Gross Calorific Value as Air Dried Basis	ASTM D 5865/D5865M
32	CHEMICAL- SOLID FUELS	Coke	Total Moisture as Received Basis	IS 1350 Part 1
33	CHEMICAL- SOLID FUELS	Coke	Volatile Matter as Dried Basis	IS 1350 Part 1
34	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Bend Test	ASTM E290
35	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Bend Test	IS 1599

SCOPE OF ACCREDITATION

Laboratory Name : TATA STEEL LIMITED, NARENDRAPUR, DHENKANAL, ODISHA, INDIA
Accreditation Standard ISO/IEC 17025:2017
Certificate Number TC-9571 **Page No** 3 of 5
Validity 17/02/2022 to 31/05/2023 **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
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Bend Test	ISO 7438, cl6.1a
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Bend Test	JIS Z 2248
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Drop Weight Tear Test	API RP 5L3
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Elongation	ASTM A370
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Elongation	BS EN ISO 6892 PART 1
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Elongation	IS 1608 Part-1
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Elongation	ISO 6892 Part-1
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Elongation	JIS Z 2241
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Ericson Cupping Test	IS 6240
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Hardness (Rockwell) HRBW	ASTM E18
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Hardness (Rockwell) HRBW	IS 1586 Part 1
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Hardness (Rockwell) HRBW	ISO 6508 Part 1
48	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Hardness (Rockwell) HRC	ASTM E18
49	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Hardness (Rockwell) HRC	IS 1586 Part 1

SCOPE OF ACCREDITATION

Laboratory Name : TATA STEEL LIMITED, NARENDRAPUR, DHENKANAL, ODISHA, INDIA
Accreditation Standard ISO/IEC 17025:2017
Certificate Number TC-9571 **Page No** 4 of 5
Validity 17/02/2022 to 31/05/2023 **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
50	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Hardness (Rockwell) HRC	ISO 6508 Part 1
51	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Hardness (Vicker) HV10	ASTM E92
52	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Hardness (Vicker) HV10	IS 1501 Part 1
53	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Hardness (Vicker) HV10	ISO 6507 Part 1
54	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Hardness (Vicker) HV30	ASTM E92
55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Hardness (Vicker) HV30	IS 1501 Part 1
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Hardness (Vicker) HV30	ISO 6507 Part 1
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Hardness (Vicker) HV5	ASTM E92
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Hardness (Vicker) HV5	IS 1501 Part 1
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Hardness (Vicker) HV5	ISO 6507 Part 1
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Impact Strength (Charpy) Temperature Range. Room Temp. to -60° C	ISO 148 Part 1
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Impact Strength (Charpy) Temperature Range. Room Temp. to -60° C	BS EN ISO 148 PART 1
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Impact Strength (Charpy) Temperature Range. Room Temp. to -60° C	IS 1757 Part 1
63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Ultimate Tensile Strength	ASTM A370

SCOPE OF ACCREDITATION

Laboratory Name : TATA STEEL LIMITED, NARENDRAPUR, DHENKANAL, ODISHA, INDIA
Accreditation Standard ISO/IEC 17025:2017
Certificate Number TC-9571 **Page No** 5 of 5
Validity 17/02/2022 to 31/05/2023 **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
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Ultimate Tensile Strength	BS EN ISO 6892 PART 1
65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Ultimate Tensile Strength	IS 1608 Part 1
66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Ultimate Tensile Strength	ISO 6892 Part 1
67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Ultimate Tensile Strength	JIS Z 2241
68	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Yield Strength (0.2% proof stress)	BS EN ISO 6892 PART 1
69	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Yield Strength (0.2% proof stress)	IS 1608 Part 1
70	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Yield Strength (0.2% proof stress)	ISO 6892 Part 1
71	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Yield Strength (0.2% proof stress)	JIS Z 2241
72	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Yield Strength (0.5% EUL)	ASTM A370
73	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	inclusion(type A, type B, type C, type D)	Comparison Method / ASTM E45
74	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	Microstructure	ASM Handbook 9