National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TECHNO WELD, AESBY INDUSTRIAL ESTATE, SANJIB SARANI, DURGAPUR, PASCHIM BARDHAMAN, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10296 **Page No** 1 of 7

Validity 08/02/2022 to 07/02/2024 **Last Amended on** 09/06/2022

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	CAST IRON	CARBON	IS 12308 (Part 1)
2	CHEMICAL- METALS & ALLOYS	CAST IRON	MANGANESE	IS 12308 (Part 10)
3	CHEMICAL- METALS & ALLOYS	CAST IRON	PHOSPHOROUS	IS 12308 (Part 5)
4	CHEMICAL- METALS & ALLOYS	CAST IRON	SILICON	IS 12308 (Part 6)
5	CHEMICAL- METALS & ALLOYS	CAST IRONS	SULPHUR	IS 12308 (Part 2)
6	CHEMICAL- METALS & ALLOYS	STEEL SECTIONS	CARBON	IS 228 (Part 1)
7	CHEMICAL- METALS & ALLOYS	STEEL SECTIONS	CHROMIUM	IS 228 (Part 6)
8	CHEMICAL- METALS & ALLOYS	STEEL SECTIONS	CHROMIUM	IS 228 (Part 6)
9	CHEMICAL- METALS & ALLOYS	STEEL SECTIONS	MANGANESE	IS 228 (Part 2)
10	CHEMICAL- METALS & ALLOYS	STEEL SECTIONS	NICKEL	IS 228 (Part 5)
11	CHEMICAL- METALS & ALLOYS	STEEL SECTIONS	PHOSPHOROUS	IS 228 (Part 3)
12	CHEMICAL- METALS & ALLOYS	STEEL SECTIONS	SILICON	IS 228 (Part 8)
13	CHEMICAL- METALS & ALLOYS	STEEL SECTIONS	SILICON	IS 228 (Part 8)
14	CHEMICAL- METALS & ALLOYS	STEEL SECTIONS	SULPHUR	IS 228 (Part 9)
15	CHEMICAL- METALS & ALLOYS	STEEL SPECIMEN	PHOSPHOROUS	IS 228 (Part 3)
16	CHEMICAL- METALS & ALLOYS	STEEL SPECIMENS	CARBON	IS 228 (Part 1)
17	CHEMICAL- METALS & ALLOYS	STEEL SPECIMENS	MOLYBDENUM	IS 228 (Part 7)
18	CHEMICAL- METALS & ALLOYS	STEEL SPECIMENS	MOLYBDENUM	IS 228 (Part 7)

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10296 **Page No** 2 of 7

Validity 08/02/2022 to 07/02/2024 **Last Amended on** 09/06/2022

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	STEEL SPECIMENS	NICKEL	IS 228 (Part 5)
20	MECHANICAL- MECHANICAL PROPERTIES OF METALS	BUTT & FILLET WELDED PLATES & PIPES	BEND TEST (FACE/ROOT/SIDE)	ASME SEC IX
21	MECHANICAL- MECHANICAL PROPERTIES OF METALS	BUTT & FILLET WELDED PLATES & PIPES	BEND TEST (FACE/ROOT/SIDE)	AWS D1.1
22	MECHANICAL- MECHANICAL PROPERTIES OF METALS	BUTT & FILLET WELDED PLATES & PIPES	BEND TEST (FACE/ROOT/SIDE)	IS 7307 (Part 1)
23	MECHANICAL- MECHANICAL PROPERTIES OF METALS	BUTT & FILLET WELDED PLATES & PIPES	BEND TEST (FACE/ROOT/SIDE)	IS 7310 (Part 1)
24	MECHANICAL- MECHANICAL PROPERTIES OF METALS	BUTT & FILLET WELDED PLATES & PIPES	BEND TEST (FACE/ROOT/SIDE)	IS 7318 (Part 2)
25	MECHANICAL- MECHANICAL PROPERTIES OF METALS	BUTT & FILLET WELDED PLATES & PIPES	FRACTURE TEST	ASME SEX IX
26	MECHANICAL- MECHANICAL PROPERTIES OF METALS	BUTT & FILLET WELDED PLATES & PIPES	FRACTURE TEST	AWS D1.1
27	MECHANICAL- MECHANICAL PROPERTIES OF METALS	BUTT & FILLET WELDED PLATES & PIPES	FRACTURE TEST	IS 7307 (Part 1)
28	MECHANICAL- MECHANICAL PROPERTIES OF METALS	BUTT & FILLET WELDED PLATES & PIPES	FRACTURE TEST	IS 7310 (Part 1)
29	MECHANICAL- MECHANICAL PROPERTIES OF METALS	BUTT & FILLET WELDED PLATES & PIPES	TENSILE STRENGTH	ASME SEC IX
30	MECHANICAL- MECHANICAL PROPERTIES OF METALS	BUTT & FILLET WELDED PLATES & PIPES	TENSILE STRENGTH	IS 7307 (Part 1)
31	MECHANICAL- MECHANICAL PROPERTIES OF METALS	BUTT & FILLET WELDED PLATES & PIPES	TENSILE STRENGTH	IS 7310 (Part 1)
32	MECHANICAL- MECHANICAL PROPERTIES OF METALS	BUTT & FILLET WELDED PLATES & PIPES	TENSILE STRENTGH	AWS D1.1

SCOPE OF ACCREDITATION

Laboratory Name : TECHNO WELD, AESBY INDUSTRIAL ESTATE, SANJIB SARANI, DURGAPUR, PASCHIM BARDHAMAN, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10296 **Page No** 3 of 7

Validity 08/02/2022 to 07/02/2024 **Last Amended on** 09/06/2022

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
33	MECHANICAL-MECHANICAL PROPERTIES OF METALS	BUTT & FILLET WELDED PLATES & PIPES	TENSILE STRENTGH	IS 2825
34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS MATERIALS	% ELONGATION	ASME SEC II
35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS MATERIALS	TENSILE STRENTGH	ASME SEC II
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS MATERIALS	YIELD STRENGTH	ASME SEC II
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HIGH STRENGTH DEFORMED STEEL BAR	% ELONGATION	IS 1786
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HIGH STRENGTH DEFORMED STEEL BAR	BEND TEST	IS 1786
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HIGH STRENGTH DEFORMED STEEL BAR	TENSILE STRENGTH	IS 1786
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HIGH STRENGTH DEFORMED STEEL BAR	WEIGHT PER METER	IS 1786
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HIGH STRENGTH DEFORMED STEEL BAR	YIELD STRENTGH	IS 1786
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL SECTIONS	% ELONGATION	ASTM A 370
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL SECTIONS	% ELONGATION	IS 1608 (Part 1)
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL SECTIONS	% REDUCTION IN AREA	IS 1608 (Part 1)
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL SECTIONS	BEND TEST	ASTM A 370
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL SECTIONS	BEND TEST	IS 1599

SCOPE OF ACCREDITATION

Laboratory Name : TECHNO WELD, AESBY INDUSTRIAL ESTATE, SANJIB SARANI, DURGAPUR, PASCHIM BARDHAMAN, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10296 **Page No** 4 of 7

Validity 08/02/2022 to 07/02/2024 **Last Amended on** 09/06/2022

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
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL SECTIONS	BRINELL HARDNESS TEST	ASTM A 370
48	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL SECTIONS	BRINELL HARDNESS TEST	ASTM A 370
49	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL SECTIONS	BRINELL HARDNESS TEST	IS 1500 (Part 1)
50	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL SECTIONS	ROCKWELL HARDNESS TEST	ASTM A 370
51	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL SECTIONS	ROCKWELL HARDNESS TEST	IS 1586 (Part 1)
52	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL SECTIONS	ROCKWELL HARDNESS TEST	IS 1586 (Part 1)
53	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL SECTIONS	TENSILE STRENGTH	ASTM A 370
54	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL SECTIONS	TENSILE STRENGTH	IS 1608 (Part 1)
55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL SECTIONS	YIELD STRENGTH	ASTM A 370
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL SECTIONS	YIELD STRENTGH	IS 1608 (Part 1)
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL SPECIMEN	BRINELL HARDNESS TEST	IS 1500 (Part 1)
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL SPECIMENS	% REDUCTION IN AREA	ASTM A 370
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	STEEL SPECIMENS	ROCKWELL HARDNESS TEST	ASTM A 370
60	MECHANICAL-METALLOGRAPHY TEST	WELDED JOINTS	MACRO EXAMINATION	ASME SEC IX

SCOPE OF ACCREDITATION

Laboratory Name : TECHNO WELD, AESBY INDUSTRIAL ESTATE, SANJIB SARANI, DURGAPUR, PASCHIM BARDHAMAN, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10296 **Page No** 5 of 7

Validity 08/02/2022 to 07/02/2024 **Last Amended on** 09/06/2022

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
61	MECHANICAL-METALLOGRAPHY TEST	WELDED JOINTS	MACRO EXAMINATION	IS 7307 (Part 1)
62	MECHANICAL-METALLOGRAPHY TEST	WELDED SPECIMEN	MACRO EXAMINATION	AWS D1.1
63	MECHANICAL-METALLOGRAPHY TEST	WELDED SPECIMENS	MACRO EXAMINATION	IS 7310 (Part 1)
64	NON-DESTRUCTIVE-METALS & ALLOYS	FERROMAGNETIC MATERIALS	MAGNETIC PARTICLE INSPECTION	IS 3703
65	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS PIPES & TUBES	MAGNETIC PARTICLE INSPECTION -Yoke method	IS 6752
66	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS WELDED JOINTSS	MAGNETIC PARTICLE INSPECTION	IS 5334
67	NON-DESTRUCTIVE-METALS & ALLOYS	FORGED PRODCUTS	MAGNETIC PARTICLE INSPECTION-Yoke method	IS 7743
68	NON-DESTRUCTIVE-METALS & ALLOYS	METALS & ALLOYS	LIQUID PENETRANT EXAMINATION	IS 3658
69	NON-DESTRUCTIVE-METALS & ALLOYS	METALS & ALLOYS	LIQUID PENETRANT EXAMINATION	SE 165 / 165 M
70	NON-DESTRUCTIVE-METALS & ALLOYS	STEEL PRODCUST	MAGNETIC PARTICLE INSPECTION-Yoke method	SE 709 / SE 709 M
71	NON-DESTRUCTIVE-METALS & ALLOYS	STEEL PRODUCTS	MAGNETIC PARTICLE INSPECTION- Home method.	ASME SEC V Article 7

SCOPE OF ACCREDITATION

Laboratory Name :	TECHNO WELD, AESBY INDUSTRIAL ESTATE, SANJIB SARANI, DURGAPUR, PASCHIM BARDHAMAN, WEST BENGAL, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10296	**Page No**	6 of 7
Validity	08/02/2022 to 07/02/2024	**Last Amended on**	09/06/2022

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Mobile Facility				
1	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS WELDED JOINTSS	MAGNETIC PARTICLE INSPECTION	IS 5334
2	NON-DESTRUCTIVE-METALS & ALLOYS	METALS & ALLOYS	LIQUID PENETRANT EXAMINATION	IS 3658

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10296	**Page No**	7 of 7
Validity	08/02/2022 to 07/02/2024	**Last Amended on**	09/06/2022

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Site Facility				
1	NON-DESTRUCTIVE-METALS & ALLOYS	FERROMAGNETIC MATERIALS	MAGNETIC PARTICLE INSPECTION	IS 3703
2	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS PIPES & TUBES	MAGNETIC PARTICLE INSPECTION -Yoke method	IS 6752
3	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS WELDED JOINTSS	MAGNETIC PARTICLE INSPECTION	IS 5334
4	NON-DESTRUCTIVE-METALS & ALLOYS	FORGED PRODCUTS	MAGNETIC PARTICLE INSPECTION-Yoke method	IS 7743
5	NON-DESTRUCTIVE-METALS & ALLOYS	METALS & ALLOYS	LIQUID PENETRANT EXAMINATION	ASME SEC V Article 6
6	NON-DESTRUCTIVE-METALS & ALLOYS	METALS & ALLOYS	LIQUID PENETRANT EXAMINATION	IS 3658
7	NON-DESTRUCTIVE-METALS & ALLOYS	METALS & ALLOYS	LIQUID PENETRANT EXAMINATION	SE 165 / 165 M
8	NON-DESTRUCTIVE-METALS & ALLOYS	STEEL PRODCUST	MAGNETIC PARTICLE INSPECTION-Yoke method	SE 709 / SE 709 M
9	NON-DESTRUCTIVE-METALS & ALLOYS	STEEL PRODUCTS	MAGNETIC PARTICLE INSPECTION- Home method.	ASME SEC V Article 7