National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : INSPECTION & TESTING LABORATORY, ARORA IRON AND STEEL ROLLING MILLS PRIVATE LIMITED, PHASE VII, FOCAL POINT, LUDHIANA, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10865 **Page No** 1 of 3

Validity 26/07/2022 to 25/07/2024 **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	Carbon and Low Alloy Steel	Aluminum	ASTM E415
2	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Aluminum	IS 8811
3	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Carbon	ASTM E415
4	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Chromium	ASTM E415
5	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Chromium	IS 8811
6	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Copper	ASTM E415
7	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Copper	IS 8811
8	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Manganese	ASTM E415
9	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Manganese	IS 8811
10	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Molybdenum	ASTM E415
11	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Molybdenum	IS 8811
12	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Nickel	ASTM E415
13	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Nickel	IS 8811
14	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Phosphorus	ASTM E415
15	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Phosphorus	IS 8811
16	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Silicon	ASTM E415
17	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Silicon	IS 8811
18	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Sulphur	ASTM E415

SCOPE OF ACCREDITATION

Laboratory Name : INSPECTION & TESTING LABORATORY, ARORA IRON AND STEEL ROLLING MILLS PRIVATE LIMITED, PHASE VII, FOCAL POINT, LUDHIANA, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10865 **Page No** 2 of 3

Validity 26/07/2022 to 25/07/2024 **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- METALS & ALLOYS	Carbon and Low Alloy Steel	Sulphur	IS 8811
20	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Vanadium	ASTM E415
21	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Vanadium	IS 8811
22	CHEMICAL- METALS & ALLOYS	Low Alloy and Carbon Steel	Carbon	IS 8811
23	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness Test (BHN)	IS 1500 (Part 1)
24	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elongation	IS 1608 (Part 1)
25	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Reduction in Area	IS 1608 (Part 1)
26	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Strength	IS 1608 (Part 1)
27	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength	IS 1608 (Part 1)
28	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Charpy Impact - U and V Notch Test upto -45 °C	IS 1757 (Part 1)
29	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Izod Impact Test	IS 1598
30	MECHANICAL- METALLOGRAPHY TEST	Ferrous materials, alloys & products	Grain Size by Comparison Method	ASTM E112
31	MECHANICAL- METALLOGRAPHY TEST	Steel	Depth of De-carburized Layer by Microscopic Method	IS 6396
32	MECHANICAL- METALLOGRAPHY TEST	Steel	Grain Size by Comparison Method	IS 4748
33	MECHANICAL- METALLOGRAPHY TEST	Steel	Inclusion Rating (Steel Products) for Method - A	IS 4163
34	MECHANICAL- METALLOGRAPHY TEST	Steel	Inclusion Rating at 100X	ASTM E45

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	INSPECTION & TESTING LABORATORY, ARORA IRON AND STEEL ROLLING MILLS PRIVATE LIMITED, PHASE VII, FOCAL POINT, LUDHIANA, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10865	**Page No**	3 of 3
Validity	26/07/2022 to 25/07/2024	**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
35	MECHANICAL-METALLOGRAPHY TEST	Steel	Macro Test	ASTM E381

NATIONAL ACCREDITATION BOARD FOR TESTING AND CALIBRATION LABORATORIES • INDIA • भारत