National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ESL STEEL LIMITED (LABORATORY DIVISION), VILL- SIYALJORI, P.O.- JOGIDIH, O.P.- BANGARIA, P.S.- CHANDANKYARI, BOKARO, JHARKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9413 **Page No** 1 of 2

Validity 08/04/2021 to 07/04/2023 **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	Low Alloy Steel & Carbon Steel	Aluminium	IS 8811
2	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Carbon	ASTM E1019
3	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Carbon	IS 8811
4	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Chromium	IS 8811
5	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Copper	IS 8811
6	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Manganese	IS 8811
7	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Molybdenum	IS 8811
8	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Nickel	IS 8811
9	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Nitrogen	ASTM E1019
10	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Phosphorus	IS 8811
11	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Silicon	IS 8811
12	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Sulphur	ASTM E1019
13	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Sulphur	IS 8811
14	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Vanadium	IS 8811
15	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High strength Deformed steel bars for concrete Reinforcement (TMT Bars)	% Elongation	IS 1608 Part-1
16	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High strength Deformed steel bars for concrete Reinforcement (TMT Bars)	% Total Elongation at Maximum force (Agt)	IS 1608 (Part-1)
17	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High strength Deformed steel bars for concrete Reinforcement (TMT Bars)	Bend Test	IS 1599

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18	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength Deformed steel bars for concrete Reinforcement (TMT Bars)	Mass Per meter run	IS 1786
19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength Deformed steel bars for concrete Reinforcement (TMT Bars)	Re Bend	IS 1786
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength Deformed steel bars for concrete Reinforcement (TMT Bars)	Rib Area	IS 1786
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength Deformed steel bars for concrete Reinforcement (TMT Bars)	Tensile Strength	IS 1608 Part-1
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength Deformed steel bars for concrete Reinforcement (TMT Bars)	Yield stress	IS 1608 Part-1
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wire Rod	% Reduction of area	IS 1608 (Part-1)
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wire Rod	Tensile Strength	IS 1608 Part-1
25	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material alloy & Product	Average Grain Size by Comparison method	ASTM E112
26	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material alloy & Product	Average Grain Size by Comparison method	IS 4748
27	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material alloy & Product	Depth of Decarburization in steel	IS 6396