National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : FIELD GUN FACTORY, KALPI ROAD, KANPUR, UTTAR PRADESH, INDIA
Accreditation Standard ISO/IEC 17025:2017
Certificate Number TC-10531 **Page No** 1 of 3
Validity 13/04/2022 to 12/04/2024 **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	Low alloy steel	Aluminium	IS 8811
2	CHEMICAL- METALS & ALLOYS	Low alloy steel	Carbon	IS 8811
3	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	IS 8811
4	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	IS 8811
5	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	IS 8811
6	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	IS 8811
7	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	IS 8811
8	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorous	IS 8811
9	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	IS 8811
10	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulpher	IS 8811
11	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	IS 8811
12	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS9879
13	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
14	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
15	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
16	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
17	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
18	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	IS 9879

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19	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
20	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material	0.2% Proof Stress	IS 1608
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material	Bend test	IS 1599
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material	Brinell Hardness 3000Kg/10mm ball	IS1500 Pt 1
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material	Elongation	IS 1608
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material	Fracture Toughness	ASTM-E-399
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material	Hardness(HV) @ 30 kg	IS 1501 Part-I
27	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Izod Impact @ ambient temperature	IS1598
28	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material	LOP	IS 1608
29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material	Reduction of Aera	IS: 1608
30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material	Ultimate Tensile Strength	IS 1608
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	V-notch impact Charpy @ ambient to -40 degree Celsius	IS 1757
32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material	Yield stress	IS 1608

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33	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	U-notch impact Charpy @ ambient to -50 degree Celsius	IS 1499
34	MECHANICAL-METALLOGRAPHY TEST	FERROUS MATERIAL	CASE DEPTH (MICROSCOPIC METHOD)	IS 6416
35	MECHANICAL-METALLOGRAPHY TEST	FERROUS MATERIAL	AVERAGE GRAIN SIZE MEASUREMENT BY COMPARISON METHOD	IS 4748
36	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	CASE DEPTH (HARDNESS METHOD)	IS 6416
37	MECHANICAL-METALLOGRAPHY TEST	Ferrous material	Inclusion rating- Method A	IS 4163
38	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	Macro Etching	ASTM E-381
39	MECHANICAL-METALLOGRAPHY TEST	FERROUS MATERIAL	MICRO STRUCTURE	ASM HANDBOOK VOL 7 & VOL 9
40	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous material	Ultrasonic testing	IS 3664