



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

TESTING LAB (PLANT-V), RAMKRISHNA FORGINGS LIMITED, VILL.-BHOLADIH, P.O.-KOLABIRA, P.S.-SARAIKELA, BLOCK-GAMHARIA, JAMSHEDPUR, JHARKHAND, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-15219

Page No

1 of 4

Validity

29/12/2024 to 28/12/2028

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 Testing				
1	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Aluminium	ASTM E415
2	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Aluminium	IS 8811
3	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Boron	ASTM E415
4	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Carbon	ASTM E415
5	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Carbon	IS 8811
6	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Chromium	ASTM E415
7	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Chromium	IS 8811
8	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Copper	ASTM E415
9	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Copper	IS 8811
10	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Manganese	ASTM E415
11	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Manganese	IS 8811
12	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Molybdenum	ASTM E415
13	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Molybdenum	IS 8811
14	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Nickel	ASTM E415
15	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Nickel	IS 8811
16	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Phosphorus	ASTM E415



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

TESTING LAB (PLANT-V), RAMKRISHNA FORGINGS LIMITED, VILL.-BHOLADIH, P.O.-KOLABIRA, P.S.-SARAIKELA, BLOCK-GAMHARIA, JAMSHEDPUR, JHARKHAND, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-15219

Page No

2 of 4

Validity

29/12/2024 to 28/12/2028

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
17	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Phosphorus	IS 8811
18	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Silicon	ASTM E415
19	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Silicon	IS 8811
20	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Sulphur	ASTM E415
21	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Vanadium	ASTM E415
22	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Vanadium	IS 8811
23	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Charpy V-Notch Impact Test (RT to -70 °C)	IS 1757 (Part 1)
24	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Izod Impact Test (RT)	IS 1598
25	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Jominy Hardenability Test	IS 3848
26	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Micro Vickers Hardness Test (HV0.1)	IS 1501 (Part 1)
27	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Micro Vickers Hardness Test (HV0.3)	IS 1501 (Part 1)
28	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Rockwell Hardness Test (C Scale)	IS 1586 (Part 1)



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

TESTING LAB (PLANT-V), RAMKRISHNA FORGINGS LIMITED, VILL.-BHOLADIH, P.O.-KOLABIRA, P.S.-SARAIKELA, BLOCK-GAMHARIA, JAMSHEDPUR, JHARKHAND, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-15219

Page No

3 of 4

Validity

29/12/2024 to 28/12/2028

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
29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Ultimate Tensile Strength	IS 1608 (Part 1)
30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Yield Strength	IS 1608 (Part 1)
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	% Elongation	ASTM A370
32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	% Elongation	IS 1608 (Part 1)
33	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	0.2% Proof Strength	ASTM A370
34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Brinell Hardness Test (10mm/3000Kgf)	IS 1500 (Part 1)
35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Brinell Hardness Test (5mm/750Kgf)	IS 1500 (Part 1)
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Micro Vickers Hardness Test (HV1)	IS 1501 (Part 1)
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Reduction in Area	ASTM A370



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

TESTING LAB (PLANT-V), RAMKRISHNA FORGINGS LIMITED, VILL.-BHOLADIH, P.O.-KOLABIRA, P.S.-SARAIKELA, BLOCK-GAMHARIA, JAMSHEDPUR, JHARKHAND, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-15219

Page No

4 of 4

Validity

29/12/2024 to 28/12/2028

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
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Reduction in Area	IS 1608 (Part 1)
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Rockwell Hardness Test (B Scale)	IS 1586 (Part 1)
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Ultimate Tensile Strength	ASTM A370
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Yield Strength	ASTM A370
42	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Grain Size	ASTM E112
43	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Grain Size	IS 4748
44	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Inclusion Rating	ASTM E45
45	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Inclusion Rating	IS 4163
46	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Macro Structure	ASTM E381
47	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Micro Structure	ASM Handbook (Volume 9)