National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CENTRAL LABORATORY - HAL KORAPUT, HINDUSTAN AERONAUTICS LIMITED, ENGINE DIVISION, KORAPUT, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11528 **Page No** 1 of 1

Validity 04/04/2023 to 03/04/2025 **Last Amended on** 25/04/2023

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 steel	Carbon	ASTM E 1019
2	CHEMICAL- METALS & ALLOYS	Carbon steel	Sulphur	ASTM E 1019
3	CHEMICAL- METALS & ALLOYS	CAST IRON	Carbon	ASTM E 1019
4	CHEMICAL- METALS & ALLOYS	CAST IRON	Sulphur	ASTM E 1019
5	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metal and alloys (ferrous and non ferrous)	UTS	IS 1608
6	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals and Alloys (Ferrous and Non ferrous)	0.2 % Proof Stress	IS 1608
7	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METALS AND ALLOYS (FERROUS AND NON FERROUS)	REDUCTION IN AREA	IS 1608
8	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals and Alloys (Ferrous and Non Ferrous)	% Elongation	IS 1608
9	MECHANICAL-METALLOGRAPHY TEST	Metals and Alloys	Case Depth measurement	IS 6416
10	MECHANICAL-METALLOGRAPHY TEST	METALS AND ALLOYS (FERROUS AND NON FERROUS)	ROCKWELL HARDNESS TEST (HRC)	ASTM E 18
11	MECHANICAL-METALLOGRAPHY TEST	METALS AND ALLOYS (FERROUS AND NON-FERROUS)	BRINELL HARDNESS TEST (D10/3000)	IS 1500 (PART I)
12	MECHANICAL-METALLOGRAPHY TEST	METALS AND ALLOYS (FERROUS AND NON-FERROUS)	BRINELL HARDNESS TEST (D5/750)	IS 1500 (PART I)
13	MECHANICAL-METALLOGRAPHY TEST	METALS AND ALLOYS (FERROUS AND NON-FERROUS)	MICRO HARDNESS TEST	ASTM E 384
14	MECHANICAL-METALLOGRAPHY TEST	METALS AND ALLOYS (FERROUS AND NON-FERROUS)	ROCKWELL HARDNESS TEST (HRA)	IS 1586 (PART I)
15	MECHANICAL-METALLOGRAPHY TEST	METALS AND ALLOYS(FERROUS AND NON FERROUS)	GRAIN SIZE BY COMPARISON	ASTM E 112
16	NON-DESTRUCTIVE-METALS & ALLOYS	CASTINGS & WELDMENTS (FERROUS & NON FERROUS)	RADIOGRAPHY INSPECTION (X RAY)	ASTM E1742