National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	TRIDENT WELDING RESEARCH & ACADEMY TWRA, UNIT NO. 37A & B, 2ND FLOOR, VARUN PLAZA, ELECTRONIC COMPLEX, KUSHAIGUDA, MEDCHAL, MEDCHAL MALKAJGIRI, TELANGANA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-10912
Validity	12/08/2022 to 11/08/2024

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	MECHANICAL-METALLOGRAPHY TEST	Carbon & Alloy Steels	Microstructure	ASM HAND BOOK VOL 9
2	MECHANICAL-METALLOGRAPHY TEST	Carbon Steels, Alloy Steels & Stainless Steels	Grain Size (by Comparison Method)	ASTM E112
3	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Graphite Flake - Type, Size & Distribution	ASTM A247
4	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Graphite Flake - Type, Size & Distribution	IS 7754
5	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Macro Etching for Weldments	ASTM E340
6	MECHANICAL-METALLOGRAPHY TEST	Steels	Case Depth (by Microscopic Method)	IS 6416
7	MECHANICAL-METALLOGRAPHY TEST	Welded Materials	Macro Examination (Fillet & Butt Joints)	AWS D17.1/D17.1 M