National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : VIVEKANANDA TECHNICAL INSTITUTE, FOUNDRY CLUSTER DEVELOPMENT ASSOCIATION, FOUNDRY PARK, HAULIBAGAN, RANI HATI AMTA ROAD, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7831 **Page No** 1 of 2

Validity 18/06/2022 to 17/06/2024 **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	Cast Iron & Ductile Iron	Carbon	IS 15338
2	CHEMICAL- METALS & ALLOYS	Cast Iron & Ductile Iron	Manganese	IS 15338
3	CHEMICAL- METALS & ALLOYS	Cast Iron & Ductile Iron	Nickel	IS 15338
4	CHEMICAL- METALS & ALLOYS	Cast Iron & Ductile Iron	Phosphorus	IS 15338
5	CHEMICAL- METALS & ALLOYS	Cast Iron & Ductile Iron	Silicon	IS 15338
6	CHEMICAL- METALS & ALLOYS	Cast Iron & Ductile Iron	Sulphur	IS 15338
7	CHEMICAL- METALS & ALLOYS	Cast Iron , Pig Iron & Ductile Iron	Manganese	IS 12308 (part-10)
8	CHEMICAL- METALS & ALLOYS	Cast Iron , Pig Iron & Ductile Iron	Phosphorus	IS 12308 (Part -5)
9	CHEMICAL- METALS & ALLOYS	Cast Iron , Pig Iron & Ductile Iron	Silicon	IS 12308 (part -6)
10	CHEMICAL- METALS & ALLOYS	Cast Iron , Pig Iron & Ductile Iron	Silicon	IS 12308 (part -6)
11	CHEMICAL- METALS & ALLOYS	Cast Iron , Pig Iron & Ductile Iron	Total carbon	IS 12308 (part-11)
12	CHEMICAL- METALS & ALLOYS	Cast Iron, Ductile Iron & Pig Iron	Sulphur	IS 12308 (Part-2)
13	MECHANICAL- BUILDINGS MATERIALS	Foundry Molding Sand	Clay Content	IS 1918 (Sec - 2, Clause 7)
14	MECHANICAL- BUILDINGS MATERIALS	Foundry Molding Sand	Flowbility	IS 1918 (Sec - 2, Clause 16)
15	MECHANICAL- BUILDINGS MATERIALS	Foundry Molding Sand	Green Compression strength	IS 1918 (Sec - 2, Clause 12)
16	MECHANICAL- BUILDINGS MATERIALS	Foundry Molding Sand	Green Mould Surface Hardness	IS 1918: (Sec - 2, Clause 15)
17	MECHANICAL- BUILDINGS MATERIALS	Foundry Molding Sand	Green Permeability	IS 1918 (Sec - 2, Clause 10.2)
18	MECHANICAL- BUILDINGS MATERIALS	Foundry Molding Sand	Moisture Content	IS 1918 (Sec - 2, Clause 6)

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19	MECHANICAL- BUILDINGS MATERIALS	Foundry Moulding Sand	Grain Fineness	IS 1918 : (Sec - 2, Clause 8)
20	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Cast Iron & Ductile Iron	Brinell Hardness Test	IS 1500 (part -1
21	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Cast Iron & Ductile Iron	Tensile Test - Yield Strenght	IS 1608 (Part 1)
22	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Cast Iron & Ductile Iron	Tensile Test- RA	IS 1608: part-1
23	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Cast Iron & Ductile Iron	Tensile Test -Ultimate Tensile Strength	IS 1608 :part-1
24	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Cast Iron & Ductile Iron	Tensile Test-Elongation	IS 1608: part -1