



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

REFRACTORY MATERIAL TESTING LABORATORY, JHARKHAND GOVERNMENT TOOL ROOM,
TATISILWAI INDUSTRIAL AREA, PLOT NO.- 38, PHASE-I, RANCHI, JHARKHAND, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-12073

Page No

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Validity

08/08/2023 to 07/08/2025

Last Amended on

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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- BUILDING MATERIAL	Alumino Silicate Refractories/ Fire Bricks/ Castables	Alumina Oxide (Al ₂ O ₃)	IS 12107 (Part-3)
2	CHEMICAL- BUILDING MATERIAL	Alumino Silicate Refractories/ Fire Bricks/ Castables	Calcium Oxide (CaO)	IS 12107 (Part-8)
3	CHEMICAL- BUILDING MATERIAL	Alumino Silicate Refractories/ Fire Bricks/ Castables	Loss of Ignition (LOI)	IS 12107 (Part-1)
4	CHEMICAL- BUILDING MATERIAL	Alumino Silicate Refractories/ Fire Bricks/ Castables	Magnesium Oxide (MgO)	IS 12107 (Part-8)
5	CHEMICAL- BUILDING MATERIAL	Alumino Silicate Refractories/ Fire Bricks/ Castables	Silica Oxide (SiO ₂)	IS 12107 (Part-2)
6	CHEMICAL- BUILDING MATERIAL	Alumino Silicate Refractories/ Fire Bricks/ Castables	Sodium Oxide(Na ₂ O)	IS 12107 (Part- 9)
7	CHEMICAL- BUILDING MATERIAL	Alumino Silicate Refractories/ Fire Bricks/ Castables	Titanium Oxide(TiO ₂)	IS 12107(Part-5)
8	MECHANICAL- BUILDINGS MATERIALS	Refractory Materials, Bricks and Shapes	Apparent Porosity	IS1528 (PART-15) Clause 2
9	MECHANICAL- BUILDINGS MATERIALS	Refractory Materials, Bricks and Shapes	Bulk Density	IS 1528 (PART-12)
10	MECHANICAL- BUILDINGS MATERIALS	Refractory Materials, Bricks and Shapes	Cold Crushing Strength	IS 1528 (PART-4)
11	MECHANICAL- BUILDINGS MATERIALS	Refractory Materials, Bricks and Shapes	Modulus of Rupture at ambient temperature of dense and insulating shaped refractory products	IS 1528 (PAR-5)
12	MECHANICAL- BUILDINGS MATERIALS	Refractory Materials, Bricks and Shapes	Modulus of Rupture at Elevated Temperature	IS 1528 (PART-20)
13	MECHANICAL- BUILDINGS MATERIALS	Refractory Materials, Bricks and Shapes	Permanent Linear Changes up to 1650 Celsius	IS 1528(PART-6)
14	MECHANICAL- BUILDINGS MATERIALS	Refractory Materials, Bricks and Shapes	Pyrometric Cone Equivalent	IS 1528 (PART-1)
15	MECHANICAL- BUILDINGS MATERIALS	Refractory Materials, Bricks and Shapes	Refractoriness Under Load	IS 1528 (PART-02)
16	MECHANICAL- BUILDINGS MATERIALS	Refractory Materials, Bricks and Shapes	Spalling Resistance	IS 1528 (Part-3)
17	MECHANICAL- BUILDINGS MATERIALS	Refractory Materials, Bricks and Shapes	Thermal Conductivity	IS 1528(PART-21)



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18	MECHANICAL- BUILDINGS MATERIALS	Refractory Materials, Bricks and Shapes	Thermal Expansion	IS 1528 (PART-19)
19	MECHANICAL- BUILDINGS MATERIALS	Refractory Materials, Bricks and Shapes	True Density	IS 1528(PART-12)