National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CENTRAL LABORATORY, TRL KROSAKI REFRACTORIES LIMITED, JHARSUGUDA, BELPAHAR, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7199 **Page No** 1 of 3

Validity 22/03/2023 to 21/03/2025 **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- BUILDING MATERIAL	Alumina-Silica Refractory	Al2O3	IS 12107 (Part 3)
2	CHEMICAL- BUILDING MATERIAL	Alumina-Silica Refractory	CaO	IS 12107 (Part 8)
3	CHEMICAL- BUILDING MATERIAL	Alumina-Silica Refractory	Fe2O3	IS 12107 (Part 6)
4	CHEMICAL- BUILDING MATERIAL	Alumina-Silica Refractory	K2O	IS 12107 (Part 9)
5	CHEMICAL- BUILDING MATERIAL	Alumina-Silica Refractory	Loss on Ignition	IS 12107 (Part 1)
6	CHEMICAL- BUILDING MATERIAL	Alumina-Silica Refractory	MgO	IS 12107 (Part 8)
7	CHEMICAL- BUILDING MATERIAL	Alumina-Silica Refractory	Na2O	IS 12107 (Part 9)
8	CHEMICAL- BUILDING MATERIAL	Alumina-Silica Refractory	SiO2	IS 12107 (Part 2)
9	CHEMICAL- BUILDING MATERIAL	Alumina-Silica Refractory	TiO2	IS 12107 (Part 5)
10	CHEMICAL- BUILDING MATERIAL	Basic Refractory Products (Magnesia, Dunite, Dolomite, Spinel)	Al2O3	IS 1760 (Part 3)
11	CHEMICAL- BUILDING MATERIAL	Basic Refractory Products (Magnesia, Dunite, Dolomite, Spinel)	CaO	IS 1760 (Part 3)
12	CHEMICAL- BUILDING MATERIAL	Basic Refractory Products (Magnesia, Dunite, Dolomite, Spinel)	Fe2O3	IS 1760 (Part 3)
13	CHEMICAL- BUILDING MATERIAL	Basic Refractory Products (Magnesia, Dunite, Dolomite, Spinel)	Loss on Ignition	IS 1760 (Part 1)
14	CHEMICAL- BUILDING MATERIAL	Basic Refractory Products (Magnesia, Dunite, Dolomite, Spinel)	MgO	IS 1760 (Part 3)
15	CHEMICAL- BUILDING MATERIAL	Basic Refractory Products (Magnesia, Dunite, Dolomite, Spinel)	SiO2	IS 1760 (Part 3)
16	CHEMICAL- BUILDING MATERIAL	Basic Refractory Products (Magnesia-Chrome, Chrome-Magnesia)	CaO	IS 1760 (Part 3)
17	CHEMICAL- BUILDING MATERIAL	Basic Refractory Products (Magnesia-Chrome, Chrome-Magnesia)	Cr2O3	IS 12667 (Part 3)
18	CHEMICAL- BUILDING MATERIAL	Basic Refractory Products (Magnesia-Chrome, Chrome-Magnesia)	Fe2O3	IS 12667 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name : CENTRAL LABORATORY, TRL KROSAKI REFRACTORIES LIMITED, JHARSUGUDA, BELPAHAR, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7199 **Page No** 2 of 3

Validity 22/03/2023 to 21/03/2025 **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
19	CHEMICAL- BUILDING MATERIAL	Basic Refractory Products (Magnesia-Chrome, Chrome-Magnesia)	Loss on Ignition	IS 1760 (Part 1)
20	CHEMICAL- BUILDING MATERIAL	Basic Refractory Products (Magnesia-Chrome, Chrome-Magnesia)	MgO	IS 1760 (Part 3)
21	CHEMICAL- BUILDING MATERIAL	Basic Refractory Products (Magnesia-Chrome, Chrome-Magnesia)	SiO2	IS 12667 (Part 1)
22	CHEMICAL- BUILDING MATERIAL	Silica Refractory Products	Al2O3	ASTM C575 (Withdrawn standard)
23	CHEMICAL- BUILDING MATERIAL	Silica Refractory Products	CaO	ASTM C575 (Withdrawn standard)
24	CHEMICAL- BUILDING MATERIAL	Silica Refractory Products	Fe2O3	ASTM C575 (Withdrawn standard)
25	CHEMICAL- BUILDING MATERIAL	Silica Refractory Products	K2O	ASTM C575 (Withdrawn standard)
26	CHEMICAL- BUILDING MATERIAL	Silica Refractory Products	Loss on Ignition	ASTM C575 (Withdrawn standard)
27	CHEMICAL- BUILDING MATERIAL	Silica Refractory Products	Na2O	ASTM C575 (Withdrawn standard)
28	CHEMICAL- BUILDING MATERIAL	Silica Refractory Products	SiO2	ASTM C575 (Withdrawn standard)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Bio-Chemical Oxygen Demand 5 days at 20 degree celsius	IS 3025 (Part 44)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand	IS 3025 (Part 58)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	IS 3025 (Part 39)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	IS 3025 (Part 11)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phenol	IS 3025 (Part 43)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Suspended Solids	IS 3025 (Part 17)
35	MECHANICAL- BUILDINGS MATERIALS	Cold Compression Strength	Refractory Products	ISO 10059-1
36	MECHANICAL- BUILDINGS MATERIALS	Refractory Product	Apparent Porosity	ISO 5017
37	MECHANICAL- BUILDINGS MATERIALS	Refractory Products	Apparent Porosity	IS 1528 (Part 15)

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CENTRAL LABORATORY, TRL KROSAKI REFRACTORIES LIMITED, JHARSUGUDA, BELPAHAR, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7199 **Page No** 3 of 3

Validity 22/03/2023 to 21/03/2025 **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- BUILDINGS MATERIALS	Refractory Products	Bulk Density	IS 1528 (Part 12)
39	MECHANICAL- BUILDINGS MATERIALS	Refractory Products	Bulk Density	IS 1528 (Part 15)
40	MECHANICAL- BUILDINGS MATERIALS	Refractory Products	Bulk Density	ISO 5016
41	MECHANICAL- BUILDINGS MATERIALS	Refractory Products	Bulk Density	ISO 5017
42	MECHANICAL- BUILDINGS MATERIALS	Refractory Products	Cold Compression Strength	IS 1528 (Part 4)
43	MECHANICAL- BUILDINGS MATERIALS	Refractory Products	Cold Compression Strength	ISO 10059-2
44	MECHANICAL- BUILDINGS MATERIALS	Refractory Products	Hot Modulus of Rapture from 200°C to 1500°C	ASTM C583
45	MECHANICAL- BUILDINGS MATERIALS	Refractory Products	Hot Modulus of Rapture from 200°C to 1500°C	IS 1528 (Part 20)
46	MECHANICAL- BUILDINGS MATERIALS	Refractory Products	Hot Modulus of Rapture from 200°C to 1500°C	ISO 5013