National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CHEMICAL LABORATORY, GEOLOGICAL SURVEY OF INDIA, SOUTHERN REGION, HYDERABAD, GSI COMPLEX, BANDLAGUDA, MEDCHAL MALKAJGIRI, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 03/11/2021 to 02/11/2023 **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- SOIL AND ROCK	Rock	Alumina	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
2	CHEMICAL- SOIL AND ROCK	Rock	Barium	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
3	CHEMICAL- SOIL AND ROCK	Rock	Beryllium	GSI/SR-HYD/CL/SOP-ROCK/ICPMS/1D 02 May 05
4	CHEMICAL- SOIL AND ROCK	Rock	Calcium Oxide	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
5	CHEMICAL- SOIL AND ROCK	Rock	Cerium	GSI/SR-HYD/SOP-ROCK/ICPMS/1D 02 May 05
6	CHEMICAL- SOIL AND ROCK	Rock	Chromium	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
7	CHEMICAL- SOIL AND ROCK	Rock	Cobalt	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
8	CHEMICAL- SOIL AND ROCK	Rock	Copper	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
9	CHEMICAL- SOIL AND ROCK	Rock	Dysprosium	GSI/SR-HYD/SOP-ROCK/ICPMS/1D 02 May 05
10	CHEMICAL- SOIL AND ROCK	Rock	Erbium	GSI/SR-HYD/SOP-ROCK/ICPMS/1D 02 May 05
11	CHEMICAL- SOIL AND ROCK	Rock	Europium	GSI/SR-HYD/SOP-ROCK/ICPMS/1D 02 May 05
12	CHEMICAL- SOIL AND ROCK	Rock	Gadolinium	GSI/SR-HYD/SOP-ROCK/ICPMS/1D 02 May 05
13	CHEMICAL- SOIL AND ROCK	Rock	Gallium	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
14	CHEMICAL- SOIL AND ROCK	Rock	Germanium	GSI/SR-HYD/CL/SOP-ROCK/ICPMS/1D 02 May 05
15	CHEMICAL- SOIL AND ROCK	Rock	Hafnium	GSI/SR-HYD/SOP-ROCK/ICPMS/1D 02 May 05
16	CHEMICAL- SOIL AND ROCK	Rock	Holmium	GSI/SR-HYD/SOP-ROCK/ICPMS/1D 02 May 05
17	CHEMICAL- SOIL AND ROCK	Rock	Iron(III) Oxide	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
18	CHEMICAL- SOIL AND ROCK	Rock	Lanthanum	GSI/SR-HYD/SOP-ROCK/ICPMS/1D 02 May 05

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19	CHEMICAL- SOIL AND ROCK	Rock	Lead	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
20	CHEMICAL- SOIL AND ROCK	Rock	Lutetium	GSI/SR-HYD/SOP-ROCK/ICPMS/1D 02 May 05
21	CHEMICAL- SOIL AND ROCK	Rock	Magnesium Oxide	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
22	CHEMICAL- SOIL AND ROCK	Rock	Manganese(II) Oxide	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
23	CHEMICAL- SOIL AND ROCK	Rock	Molybdenum	GSI/SR-HYD/SOP-ROCK/ICPMS/1D 02 May 05
24	CHEMICAL- SOIL AND ROCK	Rock	Neodymium	GSI/SR-HYD/SOP-ROCK/ICPMS/1D 02 May 05
25	CHEMICAL- SOIL AND ROCK	Rock	Nickel	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
26	CHEMICAL- SOIL AND ROCK	Rock	Niobium	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
27	CHEMICAL- SOIL AND ROCK	Rock	Phosphorus Pentoxide	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
28	CHEMICAL- SOIL AND ROCK	Rock	Potassium Oxide	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
29	CHEMICAL- SOIL AND ROCK	Rock	Praseodymium	GSI/SR-HYD/SOP-ROCK/ICPMS/1D 02 May 05
30	CHEMICAL- SOIL AND ROCK	Rock	Rubidium	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
31	CHEMICAL- SOIL AND ROCK	Rock	Samarium	GSI/SR-HYD/SOP-ROCK/ICPMS/1D 02 May 05
32	CHEMICAL- SOIL AND ROCK	Rock	Scandium	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
33	CHEMICAL- SOIL AND ROCK	Rock	Silica	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
34	CHEMICAL- SOIL AND ROCK	Rock	Sodium Oxide	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
35	CHEMICAL- SOIL AND ROCK	Rock	Strontium	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
36	CHEMICAL- SOIL AND ROCK	Rock	Tantalum	GSI/SR-HYD/SOP-ROCK/ICPMS/1D 02 May 05
37	CHEMICAL- SOIL AND ROCK	Rock	Terbium	GSI/SR-HYD/SOP-ROCK/ICPMS/1D 02 May 05

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38	CHEMICAL- SOIL AND ROCK	Rock	Thorium	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
39	CHEMICAL- SOIL AND ROCK	Rock	Thulium	GSI/SR-HYD/SOP-ROCK/ICPMS/1D 02 May 05
40	CHEMICAL- SOIL AND ROCK	Rock	Tin	GSI/SR-HYD/SOP-ROCK/ICPMS/1D 02 May 05
41	CHEMICAL- SOIL AND ROCK	Rock	Titanium Dioxide	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
42	CHEMICAL- SOIL AND ROCK	Rock	Tungsten	GSI/SR-HYD/SOP-ROCK/ICPMS/1D 02 May 05
43	CHEMICAL- SOIL AND ROCK	Rock	Uranium	GSI/SR-HYD/SOP-ROCK/ICPMS/1D 02 May 05
44	CHEMICAL- SOIL AND ROCK	Rock	Vanadium	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
45	CHEMICAL- SOIL AND ROCK	Rock	Ytterbium	GSI/SR-HYD/SOP-ROCK/ICPMS/1D 02 May 05
46	CHEMICAL- SOIL AND ROCK	Rock	Yttrium	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
47	CHEMICAL- SOIL AND ROCK	Rock	Zinc	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
48	CHEMICAL- SOIL AND ROCK	Rock	Zirconium	GSI/SR-HYD/CL/SOP-ROCK/XRF/1C 02 May 05
49	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Alumina	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05
50	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Barium	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05
51	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Beryllium	GSI/SR-HYD/CL/SOP-SS/ICPMS/1B 02 May 05
52	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Calcium Oxide	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05
53	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Cerium	GSI/SR-HYD/CL/SOP-SS/ICPMS/1B 02 May 05
54	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Chromium	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05
55	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Cobalt	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05
56	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Copper	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05

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57	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Dysprosium	GSI/SR-HYD/CL/SOP-SS/ICPMS/1B 02 May 05
58	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Erbium	GSI/SR-HYD/CL/SOP-SS/ICPMS/1B 02 May 05
59	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Europium	GSI/SR-HYD/CL/SOP-SS/ICPMS/1B 02 May 05
60	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Gadolinium	GSI/SR-HYD/CL/SOP-SS/ICPMS/1B 02 May 05
61	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Gallium	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05
62	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Germanium	GSI/SR-HYD/CL/SOP-SS/ICPMS/1B 02 May 05
63	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Hafnium	GSI/SR-HYD/CL/SOP-SS/ICPMS/1B 02 May 05
64	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Holmium	GSI/SR-HYD/CL/SOP-SS/ICPMS/1B 02 May 05
65	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Iron(III) Oxide	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05
66	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Lanthanum	GSI/SR-HYD/CL/SOP-SS/ICPMS/1B 02 May 05
67	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Lead	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05
68	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Lutetium	GSI/SR-HYD/CL/SOP-SS/ICPMS/1B 02 May 05
69	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Magnesium Oxide	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05
70	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Manganese(II) Oxide	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05
71	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Neodymium	GSI/SR-HYD/CL/SOP-SS/ICPMS/1B 02 May 05
72	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Nickel	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05
73	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Niobium	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05
74	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Phosphorus Pentoxide	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05
75	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Potassium Oxide	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05

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76	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Praseodymium	GSI/SR-HYD/CL/SOP-SS/ICPMS/1B 02 May 05
77	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Rubidium	GSI/SR-HYD/CL/SOP-SS/ICPMS/1B 02 May 05
78	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Samarium	GSI/SR-HYD/CL/SOP-SS/ICPMS/1B 02 May 05
79	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Scandium	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05
80	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Silica	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05
81	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Sodium Oxide	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05
82	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Strontium	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05
83	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Tantalum	GSI/SR-HYD/CL/SOP-SS/ICPMS/1B 02 May 05
84	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Terbium	GSI/SR-HYD/CL/SOP-SS/ICPMS/1B 02 May 05
85	CHEMICAL- SOIL AND ROCK	Soil & stream sediment	Thorium	GSI/SR-HYD/CL/SOP-SS/ICPMS/1B 02 May 05
86	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Thulium	GSI/SR-HYD/CL/SOP-SS/ICPMS/1B 02 May 05
87	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Tin	GSI/SR-HYD/CL/SOP-SS/ICPMS/1B 02 May 05
88	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Titanium Dioxide	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05
89	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Uranium	GSI/SR-HYD/CL/SOP-SS/ICPMS/1B 02 May 05
90	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Vanadium	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05
91	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Ytterbium	GSI/SR-HYD/CL/SOP-SS/ICPMS/1B 02 May 05
92	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Yttrium	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05
93	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Zinc	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05
94	CHEMICAL- SOIL AND ROCK	Soil & Stream Sediment	Zirconium	GSI/SR-HYD/CL/SOP-SS/XRF/1A 02 May 05