



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

GLOBAL ENVIRONMENT & MINING SERVICES LLP

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

3RD MAIN ROAD, HOSPET, BALLARI, KARNATAKA, INDIA

in the field of

TESTING

Certificate Number: TC-16180

Issue Date: 03/06/2025

Valid Until: 02/06/2029

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: GLOBAL ENVIRONMENT & MINING SERVICES LLP

Signed for and on behalf of NABL




Srikanth R
Director


N. Venkateswaran
Chief Executive Officer



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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-16180	Page No	1 of 9
Validity	to	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 Testing				
1	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Ammonia as NH ₃	IS 5182 (Part 25)
2	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6)
3	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Ozone as O ₃	IS 5182 (Part 9)
4	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (PM) (Size less than 10 µm) or PM ₁₀	IS 5182 (Part 23)
5	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (Size less than 2.5 µm) or PM _{2.5}	IS 5182 (Part 24)
6	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (SO ₂)	IS 5182 (Part 2)sec 1
7	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Total Suspended Particulate Matter	IS 5182 (Part 4)
8	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Noise	Ambient Noise	IS 9989
9	CHEMICAL-ATMOSPHERIC POLLUTION	Fugitive Emissions	Nitrogen Dioxide (NO ₂) µg/m ³	IS 5182 (Part 6)
10	CHEMICAL-ATMOSPHERIC POLLUTION	Fugitive Emissions	Sulphur Dioxide (SO ₂) µg/m ³	IS 5182 (Part 2) sec1
11	CHEMICAL-ATMOSPHERIC POLLUTION	Fugitive Emissions	Suspended Particulate Matter	IS 5182 (Part 4)



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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-16180	Page No	2 of 9
Validity	to	Last Amended on	-

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12	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Carbon Dioxide (CO ₂)	GEMS/SOP/71 Issue No.01 Issue Date: 12.03
13	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Carbon monoxide (CO)	GEMS/SOP/69 Issue No.01 Issue Date: 12.03
14	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Non methane hydrocarbons (NMHC)	GEMS/SOP/71 Issue No.01 Issue Date: 12.03
15	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen (NO ₂)	IS 11255 (Part7)
16	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Oxygen (O ₂)	GEMS/SOP/70 Issue No.01 Issue Date: 12.03
17	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter (PM)	IS 11255 (Part1)
18	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Sulphur di Oxide (SO ₂)	IS 11255 (Part2)
19	CHEMICAL- ORES & MINERALS	Minerals	Bulk density	GEMS-LD/SOP/89, Issue No: 01, Issue date: 10.01
20	CHEMICAL- ORES & MINERALS	Bauxite Ore	Aluminum (Al ₂ O ₃)	IS 2000 (Part-1)
21	CHEMICAL- ORES & MINERALS	Bauxite Ore	Bulk density	GEMS-LD/SOP/89, Issue No: 01, Issue date: 10.01
22	CHEMICAL- ORES & MINERALS	Bauxite Ore	Ferric Oxide (Fe ₂ O ₃)	IS 2000 (Part-4)
23	CHEMICAL- ORES & MINERALS	Bauxite Ore	Loss on Ignition (LOI)	IS 2000 (Part-1)
24	CHEMICAL- ORES & MINERALS	Bauxite Ore	Silica as SiO ₂	IS 2000 (Part-2)
25	CHEMICAL- ORES & MINERALS	Bauxite Ore	Titanium (TiO ₂)	IS 2000 (Part-5)



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Certificate Number	TC-16180	Page No	3 of 9
Validity	to	Last Amended on	-

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26	CHEMICAL- ORES & MINERALS	Iron Ore	Bulk density (BHQ-Banded Hematite Quarzite)	IS 5842
27	CHEMICAL- ORES & MINERALS	Iron Ore	Silica (SiO ₂)	IS 1493
28	CHEMICAL- ORES & MINERALS	Iron Ore	Aluminum (Al ₂ O ₃)	IS 1493
29	CHEMICAL- ORES & MINERALS	Iron Ore	Bulk density	IS 5842
30	CHEMICAL- ORES & MINERALS	Iron Ore	Loss on Ignition LOI	ISO 11536
31	CHEMICAL- ORES & MINERALS	Iron Ore	Manganese (Mn)	IS 1493
32	CHEMICAL- ORES & MINERALS	Iron Ore	Phosphorus (P)	IS 1493
33	CHEMICAL- ORES & MINERALS	Iron Ore	Sulphur (S)	IS 1493
34	CHEMICAL- ORES & MINERALS	Iron Ore	Total Iron (Fe)	IS 1493
35	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Aluminum (Al ₂ O ₃)	IS 1760 (Part-3)
36	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Bulk density	GEMS-LD/SOP/89 Issue No: 01, Issue date: 10.01
37	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Calcium (CaO)	IS 1760 (Part-1)
38	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Ferric Oxide (Fe ₂ O ₃)	IS 1760 (Part-3)
39	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Loss on Ignition (LOI)	IS 1760 (Part-1)
40	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Magnesium (MgO)	IS 1760 (Part-3)
41	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Silica (SiO ₂)	IS 1760 (Part-2)



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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-16180	Page No	4 of 9
Validity	to	Last Amended on	-

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42	CHEMICAL- ORES & MINERALS	Manganese Ore	Aluminum (Al ₂ O ₃)	IS 1473
43	CHEMICAL- ORES & MINERALS	Manganese Ore	Bulk density	GEMS-LD/SOP/89, Issue No: 01, Issue date: 10.01
44	CHEMICAL- ORES & MINERALS	Manganese Ore	Iron (Fe)	IS 1473
45	CHEMICAL- ORES & MINERALS	Manganese Ore	Manganese (Mn)	IS 1473
46	CHEMICAL- ORES & MINERALS	Manganese Ore	Manganese Dioxide (MnO ₂)	IS 1473
47	CHEMICAL- ORES & MINERALS	Manganese Ore	Phosphorus (P)	IS 1473
48	CHEMICAL- ORES & MINERALS	Manganese Ore	Silica (SiO ₂)	IS 1473
49	CHEMICAL- ORES & MINERALS	Manganese Ore	Sulphur (S)	IS 1473
50	CHEMICAL- ORES & MINERALS	Phyllites/Shale/Side burden (Waste)	Bulk density	GEMS-LD/SOP/89, Issue No:01, Issue date: 10.01
51	CHEMICAL- ORES & MINERALS	Quartzite Ore	Bulk density	GEMS-LD/SOP/89, Issue No:01, Issue date: 10.01
52	CHEMICAL- ORES & MINERALS	Quartzite Ore	Loss on Ignition (LOI)	IS 1917 (Part-1)
53	CHEMICAL- ORES & MINERALS	Quartzite Ore	Silica (SiO ₂)	IS 1917 (Part-3)
54	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Nitrogen as N	GEMS/LD/SOP/Soil/93, Issue No: 01, Issue date: 10.01
55	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Phosphorous as P ₂ O ₅	GEMS/LD/SOP/Soil/94, Issue No: 01, Issue date: 10.01



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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-16180	Page No	5 of 9
Validity	to	Last Amended on	-

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56	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Boron	International center for Agricultural research in the dry area (ICARDA), 3rd edn. Method no. 5.17.1, Page No. 124-125
57	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Bulk Density	International center for Agricultural research in the dry area (ICARDA), 3rd edn. Method no. 4.5.2.1, Page No. 48
58	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Calcium Carbonate	International center for Agricultural research in the dry area (ICARDA), 3rd edn. Method no. 5.4.1
59	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Cation Exchange Capacity (CEC)	International center for Agricultural research in the dry area (ICARDA), 3rd edn. Method no. 5.7, Page No. 78-80
60	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Conductivity	IS 14767
61	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Extractable Calcium as Ca	GEMS/LD/SOP/Soil/97, Issue No: 01, Issue date: 10.01
62	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Moisture Content	IS 2720 (Part 18)
63	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Organic Carbon	IS 2720 (Part 22)
64	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Organic Matter	IS 2720 (Part 22)
65	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	pH	IS 2720 (Part 26)



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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-16180	Page No	6 of 9
Validity	to	Last Amended on	-

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66	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Potassium	GEMS/LD/SOP/Soil/95, Issue No: 01, Issue date: 10.01
67	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Sodium	GEMS/LD/SOP/Soil/99, Issue No: 01, Issue date: 10.01
68	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Texture	GEMS/LD/SOP/Soil/106, Issue No: 01, Issue date: 10.01
69	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Water Holding Capacity	IS 14765
70	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water & Effluents	Acidity	APHA 24th Edition 2320 B
71	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water & Effluents	Ammonical Nitrogen	APHA 24th Edition 4500 NH ₃ - C
72	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water & Effluents	Biological Oxygen Demand @ 27 degree C for 3 days	IS 3025 PART 44
73	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water & Effluents	Boron	APHA 24th Edition 4500B B
74	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water & Effluents	Calcium as Ca	APHA 24th Edition 3500 Ca B
75	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water & Effluents	Chemical Oxygen Demand	APHA 24th Edition 5220 C
76	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water & Effluents	Chloride as Cl	APHA 24th Edition 4500 Cl B
77	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water & Effluents	Conductivity	APHA 24th Edition 2510 A



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Accreditation Standard ISO/IEC 17025:2017
Certificate Number TC-16180
Validity to

Page No 7 of 9
Last Amended on -

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78	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water & Effluents	Fluoride as F	APHA 24th Editin 4500 F D
79	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water & Effluents	Iron as Fe	APHA 24th Editon 3500 Fe B
80	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water & Effluents	Magnesium as Mg	APHA 24th Edition 3500 Mg B
81	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water & Effluents	Nitrate as NO3	APHA 24th Edition 4500 NO3 E
82	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water & Effluents	Nitrite as NO2	APHA 24th Edition 4500 NO2 B
83	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water & Effluents	Oil & Grease	APHA 24th Edition 5520 B
84	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water & Effluents	pH	APHA 24th Edition 4500 H + B
85	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water & Effluents	Phosphourous	APHA 24th Edition 4500 P D
86	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water & Effluents	Potassium as K	APHA 24th Edition 3500 K B
87	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water & Effluents	Silica	APHA 24th Edition 4500 SiO2 C
88	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water & Effluents	Sodium as Na	APHA 24th Edition 3500 Na B
89	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water & Effluents	Sulphate as SO4	APHA 24th Edition 4500 SO4 D



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Certificate Number	TC-16180	Page No	8 of 9
Validity	to	Last Amended on	-

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90	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water & Effluents	Sulphide	APHA 24th Edition 4500 S2
91	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water & Effluents	Total Alkalinity as CaCO ₃	APHA 24th Edition 2320 B
92	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water & Effluents	Total Dissolved Solids	APHA 24th Edition 2540 C
93	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water & Effluents	Total Hardness as CaCO ₃	APHA 24th Edition 2340 C
94	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water & Effluents	Total Solids	APHA 24th Edition 2540 B
95	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water & Effluents	Total Suspended Solids	APHA 24th Edition 2540 D
96	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water & Effluents	Turbidity	APHA 24th Edition 2130 B
97	CHEMICAL- WATER	Portable and Drinking Water	Acidity	APHA 24th Edition 2320 B
98	CHEMICAL- WATER	Portable and Drinking Water	Boron	APHA 24th Edition 4500B B
99	CHEMICAL- WATER	Portable and Drinking Water	Calcium as Ca	APHA 24th Edition 3500 Ca B
100	CHEMICAL- WATER	Portable and Drinking Water	Chloride as Cl	APHA 24th Edition 3500 Cl B
101	CHEMICAL- WATER	Portable and Drinking Water	Conductivity	APHA 24th Edition 2510 A
102	CHEMICAL- WATER	Portable and Drinking Water	Fluoride as F	APHA 24th Edition 4500 F D
103	CHEMICAL- WATER	Portable and Drinking Water	Iron as Fe	APHA 24th Edition 3500 Fe B
104	CHEMICAL- WATER	Portable and Drinking Water	Magnesium as Mg	APHA 24th Edition 3500 Mg B



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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-16180	Page No	9 of 9
Validity	to	Last Amended on	-

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105	CHEMICAL- WATER	Portable and Drinking Water	Nitrate as NO ₃	APHA 24th Edition 4500 NO ₃ E
106	CHEMICAL- WATER	Portable and Drinking Water	Nitrite as NO ₂	APHA 24th Edition 4500 NO ₂ B
107	CHEMICAL- WATER	Portable and Drinking Water	pH	APHA 24th Edition 4500 H + B
108	CHEMICAL- WATER	Portable and Drinking Water	Phosphorous	APHA 24th Edition 4500 P D
109	CHEMICAL- WATER	Portable and Drinking Water	Potassium as K	APHA 24th Edition 3500 K B
110	CHEMICAL- WATER	Portable and Drinking Water	Silica	APHA 24th Edition 4500 SiO ₂ C
111	CHEMICAL- WATER	Portable and Drinking Water	Sodium as Na	APHA 24th Edition 3500 Na B
112	CHEMICAL- WATER	Portable and Drinking Water	Sulphate as SO ₄	APHA 24th Edition 4500 SO ₄ E
113	CHEMICAL- WATER	Portable and Drinking Water	Total Alkalinity as CaCO ₃	APHA 24th Edition 2320 B
114	CHEMICAL- WATER	Portable and Drinking Water	Total Dissolved Solids	APHA 24th Edition 2540 C
115	CHEMICAL- WATER	Portable and Drinking Water	Total Hardness as CaCO ₃	APHA 24th Edition 2340 C
116	CHEMICAL- WATER	Portable and Drinking Water	Total Solids	APHA 24th Edition 2540 B
117	CHEMICAL- WATER	Portable and Drinking Water	Total Suspended Solids	APHA 24th Edition 2540 D
118	CHEMICAL- WATER	Portable and Drinking Water	Turbidity	APHA 24th Edition 2130 B