

ENVIRONMENTAL MONITORING REPORT

Project	REDI IRON ORE MINE (Block -1)
Location	Redi Village Vengurla Taluka, Sindudurg Dist Maharashtra
Client	M/s. GOGTE MINERALS
Office Address	BELAGAVI, KARNATAKA
Monitoring Month	June -2025

ENVIRONMENTAL LABORATORY
(Unit of Mineral Engineering Services LLP)
(Accredited by NABL & MOEF&CC Under E(P) Act 1986)
#948, 2nd Cross, Kammanahalli Main Road,
St Thomas Town Post,
Bangalore- 560 084, Karnataka

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ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

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TEST REPORT

Table No. 1

AMBIENT AIR QUALITY

Name of the Client : M/s. Gogte Minerals
Name of the Project : Redi Iron Ore Mine (203)
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Particulars of sample collected : A1 - Core Zone Near Mine Office
Duration : 24 Hrs
Issue Date : 04.07.2025
Reference IS 5182 & Lab SOP

Date of Sampling	Report No	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	Ammonia (NH ₃), µg/m ³	Benzene (C ₆ H ₆), µg/m ³
04.06.2025	N007425062	10	16	36	19	<20	<1
05.06.2025	N012225062	9	10	48	21	<20	<1
13.06.2025	N031425063	6	9	36	19	<20	<1
14.06.2025	N037625063	12	13	51	27	<20	<1
20.06.2025	N019225064	10	12	52	26	<20	<1
21.06.2025	N006025065	12	13	40	23	<20	<1
23.06.2025	N012525065	11	14	43	24	<20	<1
24.06.2025	N018525065	7	10	54	25	<20	<1
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	400 24 Hrs	5 Annual

Date of Sampling	Report No	Lead (Pb), µg/m ³	Nickel (Ni), ng/m ³	Arsenic (As), ng/m ³	Benzo(a) Pyrene (BaP), ng/m ³	Carbon Monoxide* (CO), mg/m ³	Ozone* (O ₃), µg/m ³
04.06.2025	N007425062	0.19	<0.1	<0.5	<0.5	0.31	21
05.06.2025	N012225062	0.15	<0.1	<0.5	<0.5	0.23	21
13.06.2025	N031425063	0.12	<0.1	<0.5	<0.5	0.25	22
14.06.2025	N037625063	0.25	<0.1	<0.5	<0.5	0.22	21
20.06.2025	N019225064	0.16	<0.1	<0.5	<0.5	0.28	26
21.06.2025	N006025065	0.25	<0.1	<0.5	<0.5	0.29	23
23.06.2025	N012525065	0.15	<0.1	<0.5	<0.5	0.26	26
24.06.2025	N018525065	0.11	<0.1	<0.5	<0.5	0.46	25
Limits for Industrial , Residential, Rural and other Areas		1.0 24 Hrs	20 Annual	6 Annual	1 Annual	4 1 Hr	180 1 Hr

Note : * Parameters monitored for period of 1 hr

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TEST REPORT

Table No. 3

AMBIENT AIR QUALITY

Name of the Client : M/s. Gogte Minerals
Name of the Project : Redi Iron Ore Mine (203)
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Particulars of sample collected : A2 - Redi village
Duration : 24 Hrs
Issue Date : 04.07.2025
Reference IS 5182 & Lab SOP

Date of Sampling	Report No	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	Ammonia (NH ₃), µg/m ³	Benzene (C ₆ H ₆), µg/m ³
04.06.2025	N007525062	11	13	42	27	<20	<1
05.06.2025	N012325062	8	17	49	26	<20	<1
13.06.2025	N031525063	11	15	53	27	<20	<1
14.06.2025	N037725063	7	12	41	21	<20	<1
20.06.2025	N019325064	10	14	37	17	<20	<1
21.06.2025	N006125065	8	13	53	27	<20	<1
23.06.2025	N012625065	11	14	38	22	<20	<1
24.06.2025	N018625065	8	12	45	25	<20	<1
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	400 24 Hrs	5 Annual

Date of Sampling	Report No	Lead (Pb), µg/m ³	Nickel (Ni), ng/m ³	Arsenic (As), ng/m ³	Benzo(a) Pyrene (BaP), ng/m ³	Carbon Monoxide* (CO), mg/m ³	Ozone* (O ₃), µg/m ³
04.06.2025	N007525062	0.16	<0.1	<0.5	<0.5	0.35	26
05.06.2025	N012325062	0.15	<0.1	<0.5	<0.5	0.22	28
13.06.2025	N031525063	0.13	<0.1	<0.5	<0.5	0.25	20
14.06.2025	N037725063	0.11	<0.1	<0.5	<0.5	0.30	23
20.06.2025	N019325064	0.15	<0.1	<0.5	<0.5	0.25	25
21.06.2025	N006125065	0.12	<0.1	<0.5	<0.5	0.36	24
23.06.2025	N012625065	0.22	<0.1	<0.5	<0.5	0.20	25
24.06.2025	N018625065	0.25	<0.1	<0.5	<0.5	0.26	21
Limits for Industrial , Residential, Rural and other Areas		1.0 24 Hrs	20 Annual	6 Annual	1 Annual	4 1 Hr	180 1 Hr

Note : * Parameters monitored for period of 1 hr

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TEST REPORT

Table No. 3

AMBIENT AIR QUALITY

Name of the Client : M/s. Gogte Minerals
Name of the Project : Redi Iron Ore Mine (203)
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Particulars of sample collected : A3 - Shiroda village
Duration : 24 Hrs
Issue Date : 04.07.2025
Reference IS 5182 & Lab SOP

Date of Sampling	Report No	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	Ammonia (NH ₃), µg/m ³	Benzene (C ₆ H ₆), µg/m ³
04.06.2025	N007625062	12	13	53	28	<20	<1
05.06.2025	N012425062	8	12	51	26	<20	<1
13.06.2025	N031625063	11	14	34	20	<20	<1
14.06.2025	N037825063	8	12	36	27	<20	<1
20.06.2025	N019425064	11	13	48	29	<20	<1
21.06.2025	N006225065	7	10	35	18	<20	<1
23.06.2025	N012725065	10	14	40	27	<20	<1
24.06.2025	N018725065	10	15	38	22	<20	<1
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	400 24 Hrs	5 Annual

Date of Sampling	Report No	Lead (Pb), µg/m ³	Nickel (Ni), ng/m ³	Arsenic (As), ng/m ³	Benzo(a) Pyrene (BaP), ng/m ³	Carbon Monoxide* (CO), mg/m ³	Ozone* (O ₃), µg/m ³
04.06.2025	N007625062	0.18	<0.1	<0.5	<0.5	0.21	23
05.06.2025	N012425062	0.13	<0.1	<0.5	<0.5	0.20	25
13.06.2025	N031625063	0.12	<0.1	<0.5	<0.5	0.31	21
14.06.2025	N037825063	0.11	<0.1	<0.5	<0.5	0.28	23
20.06.2025	N019425064	0.15	<0.1	<0.5	<0.5	0.25	21
21.06.2025	N006225065	0.18	<0.1	<0.5	<0.5	0.22	28
23.06.2025	N012725065	0.11	<0.1	<0.5	<0.5	0.35	24
24.06.2025	N018725065	0.16	<0.1	<0.5	<0.5	0.24	23
Limits for Industrial , Residential, Rural and other Areas		1.0 24 Hrs	20 Annual	6 Annual	1 Annual	4 1 Hr	180 1 Hr

Note : * Parameters monitored for period of 1 hr


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Table No. 4

AMBIENT AIR QUALITY

Name of the Client : M/s. Gogte Minerals
Name of the Project : Redi Iron Ore Mine (203)
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Particulars of sample collected : A4 - Gaontala village
Duration : 24 Hrs
Issue Date : 04.07.2025
Reference IS 5182 & Lab SOP

Date of Sampling	Report No	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	Ammonia (NH ₃), µg/m ³	Benzene (C ₆ H ₆), µg/m ³
04.06.2025	N007725062	12	21	51	27	<20	<1
05.06.2025	N012525062	8	17	53	26	<20	<1
13.06.2025	N031725063	10	13	44	25	<20	<1
14.06.2025	N037925063	9	15	35	19	<20	<1
20.06.2025	N019525064	10	19	44	26	<20	<1
21.06.2025	N006325065	7	11	40	20	<20	<1
23.06.2025	N012825065	6	14	52	28	<20	<1
24.06.2025	N018825065	8	11	38	24	<20	<1
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	400 24 Hrs	5 Annual

Date of Sampling	Report No	Lead (Pb), µg/m ³	Nickel (Ni), ng/m ³	Arsenic (As), ng/m ³	Benzo(a) Pyrene (BaP), ng/m ³	Carbon Monoxide* (CO), mg/m ³	Ozone* (O ₃), µg/m ³
04.06.2025	N007725062	0.21	<0.1	<0.5	<0.5	0.30	25
05.06.2025	N012525062	0.18	<0.1	<0.5	<0.5	0.25	26
13.06.2025	N031725063	0.16	<0.1	<0.5	<0.5	0.45	21
14.06.2025	N037925063	0.22	<0.1	<0.5	<0.5	0.33	20
20.06.2025	N019525064	0.11	<0.1	<0.5	<0.5	0.22	21
21.06.2025	N006325065	0.15	<0.1	<0.5	<0.5	0.15	23
23.06.2025	N012825065	0.10	<0.1	<0.5	<0.5	0.21	25
24.06.2025	N018825065	0.19	<0.1	<0.5	<0.5	0.30	27
Limits for Industrial , Residential, Rural and other Areas		1.0 24 Hrs	20 Annual	6 Annual	1 Annual	4 1 Hr	180 1 Hr

Note : * Parameters monitored for period of 1 hr

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TEST REPORT

Table No. 5

AMBIENT AIR QUALITY

Name of the Client	: M/s. Gogte Minerals
Name of the Project	: Redi Iron Ore Mine (203)
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Particulars of sample collected	: A5 - Kanyalwadi village
Duration	: 24 Hrs
Issue Date	: 04.07.2025
Reference	IS 5182 & Lab SOP

Date of Sampling	Report No	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	Ammonia (NH ₃), µg/m ³	Benzene (C ₆ H ₆), µg/m ³
04.06.2025	N007825062	7	12	49	22	<20	<1
05.06.2025	N012625062	9	16	35	20	<20	<1
13.06.2025	N031825063	10	15	46	33	<20	<1
14.06.2025	N038025063	8	14	35	27	<20	<1
20.06.2025	N019625064	7	13	46	20	<20	<1
21.06.2025	N006425065	9	10	37	26	<20	<1
23.06.2025	N012925065	8	15	40	25	<20	<1
24.06.2025	N018925065	7	13	39	29	<20	<1
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	400 24 Hrs	5 Annual

Date of Sampling	Report No	Lead (Pb), µg/m ³	Nickel (Ni), ng/m ³	Arsenic (As), ng/m ³	Benzo(a) Pyrene (BaP), ng/m ³	Carbon Monoxide* (CO), mg/m ³	Ozone* (O ₃), µg/m ³
04.06.2025	N007825062	0.17	<0.1	<0.5	<0.5	0.23	25
05.06.2025	N012625062	0.12	<0.1	<0.5	<0.5	0.22	23
13.06.2025	N031825063	0.13	<0.1	<0.5	<0.5	0.21	21
14.06.2025	N038025063	0.21	<0.1	<0.5	<0.5	0.26	20
20.06.2025	N019625064	0.11	<0.1	<0.5	<0.5	0.28	24
21.06.2025	N006425065	0.15	<0.1	<0.5	<0.5	0.25	23
23.06.2025	N012925065	0.18	<0.1	<0.5	<0.5	0.32	21
24.06.2025	N018925065	0.21	<0.1	<0.5	<0.5	0.23	20
Limits for Industrial , Residential, Rural and other Areas		1.0 24 Hrs	20 Annual	6 Annual	1 Annual	4 1 Hr	180 1 Hr

Note : * Parameters monitored for period of 1 hr

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TEST REPORT

Table No.6

AMBIENT AIR QUALITY

Name of the Client : M/s. Gogte Minerals					
Name of the Project : Redi Iron Ore Mine (203)					
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)					
Particulars of sample collected : A6 - Near NIMCO Gate - Tivrewadi, Redi village					
Duration : 24 Hrs					
Issue Date : 04.07.2025					
Reference IS 5182 & Lab SOP					
Date of Sampling	Report No	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)
04.06.2025	N007925062	9	12	48	24
05.06.2025	N012725062	12	13	46	20
13.06.2025	N031925063	8	15	47	23
14.06.2025	N038125063	9	14	40	22
20.06.2025	N019725064	10	13	45	27
21.06.2025	N006525065	12	16	43	25
23.06.2025	N013025065	8	13	52	28
24.06.2025	N019025065	9	11	40	21
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs

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TEST REPORT

Table No. 7

AMBIENT AIR QUALITY

Name of the Client : M/s. Gogte Minerals					
Name of the Project : Redi Iron Ore Mine (203)					
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)					
Particulars of sample collected : A7 - Near Primary School - sakalbhatwadi Redi village					
Duration : 24 Hrs					
Issue Date : 04.07.2025					
Reference IS 5182 & Lab SOP					
Date of Sampling	Report No	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)
04.06.2025	N008025062	12	15	53	28
05.06.2025	N012825062	9	12	57	30
13.06.2025	N032025063	7	9	54	25
14.06.2025	N038225063	10	15	44	24
20.06.2025	N019825064	9	11	40	22
21.06.2025	N006625065	12	15	36	19
23.06.2025	N013125065	7	9	48	25
24.06.2025	N019125065	12	14	53	29
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs

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Table No. 8

STATISTICAL AIR QUALITY DATA

Name of the Client : M/s. Gogte Minerals

Name of the Project : Redi Iron Ore Mine (203)

Month : June, 2025

	A1 - A1 - Core Zone Near Mine Office				A2 - Redi village				A3 - Shiroda village			
	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	PM ₁₀	PM _{2.5}
Min.	6	9	36	19	7	12	37	17	7	10	34	18
10%	7	10	36	19	8	12	38	20	8	11	35	19
25%	9	10	39	21	8	13	40	22	8	12	36	22
50%	10	13	46	24	9	14	44	26	10	13	39	27
75%	11	13	51	25	11	14	50	27	11	14	49	27
98%	12	16	54	27	11	17	53	27	12	15	53	29
Max.	12	16	54	27	11	17	53	27	12	15	53	29
Avg.	10	12	45	23	9	14	45	24	10	13	42	25
SD	2	2	7	3	2	2	6	4	2	2	8	4
No. of obs	8				8				8			
	A4 - Gaontala village				A5 - Kanyalwadi village							
	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	PM ₁₀	PM _{2.5}				
Min.	6	11	35	19	7	10	35	20				
10%	7	11	37	20	7	11	35	20				
25%	8	13	40	23	7	13	37	22				
50%	9	15	44	26	8	14	40	26				
75%	10	18	51	26	9	15	46	28				
98%	12	21	53	28	10	16	49	32				
Max.	12	21	53	28	10	16	49	33				
Avg.	9	15	45	24	8	14	41	25				
SD	2	4	7	3	1	2	5	5				
No. of obs	8				8							

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TEST REPORT

Table No. 9

Name of the Client		: M/s. Gogte Minerals		
Name of the Project		: Redi Iron Ore Mine (203)		
Location		Redi village, Vengurla taluka,Sindhudurg dist,Maharashtra State.		
Particulars of sample collected		: W1 - Pit water		
Sample Collected by		: Environmental Laboratory (Unit of Mineral Engineering Services LLP)		
Date of sample collection		: 14.06.2025		
Report No		: M001325064		
Issue Date		: 26.06.2025		
Ref		: Environmental (P) Rules, 1986 SCHEDULE VI		
Sample code		W1	General Standards For	Method of Testing
Sl. No.	Parameters	Results	Effluent Discharge of Environmental Pollutants	
1	Colour (Hazen Units), & Odour	10	--	IS:3025(part-4) and IS 3025 (Part-5)
2	Suspended Solids (mg/l),	16	100	IS 3025 (P-17) 2022
3	Particle size of suspended solids	Pass through 850 micron	Shall Pass through 850 micron	APHA 23rd edition
4	pH	5.61	5.5 to 9.0	IS 3025 (P-11) 2022
5	Temperature ° C	25	Shall not exceed 5 ^o C above the receiving water temp	IS 3025 (P-9) 1984 RA2022
6	Oil & Grrase (mg/l), Max	<4.0	10	IS 3025 (P-39) 2021
7	Total Residual Chlorine (mg/l)	<0.1	1.0	IS 3025 (P-26) 2021
8	Ammonical Nitrogen (mg/l)	<0.1	50	IS 3025 (P-34) 1988 RA 2019
9	Total Kjeldahl Nitrogen (mg/l)	<0.1	100	IS 3025 (P-34) 1988 RA 2019
10	Free Ammonia as NH ₃ (mg/l)	<0.1	5.0	IS 3025 (P-34) 1988 RA 2019
11	BOD [3 days at 27 ^o C] (mg/l)	<3	30	IS 3025 (P-44) 2014
12	COD (mg/l)	20	250	IS 3025 (P-58) 2006 RA2022
13	Arsenic as As (mg/l)	<0.01	0.2	APHA 3030K
14	Mercury as Hg (mg/l)	<0.001	0.01	APHA 3030K
15	Lead as Pb (mg/l)	<0.01	0.1	APHA 3030K
16	Cadmium as Cd (mg/l)	<0.01	2.0	APHA 3030K
17	Hexavalent Chromium as Cr ⁺⁶ (mg/l)	<0.03	0.1	IS 3025 (P-52) 2014
18	Total Chromium as Cr(mg/l)	<0.01	2.0	APHA 3030K
19	Copper as Cu (mg/l)	<0.05	3.0	APHA 3030K
20	Zinc as Zn (mg/l)	<0.05	5.0	APHA 3030K
21	Selenium as Se (mg/l)	<0.05	0.05	APHA 3030K
22	Nickel as Ni (mg/l)	<0.05	3.0	APHA 3030K
23	Cyanide as CN (mg/l)	<0.01	0.2	IS 3025 (P-27) Sec 1 2021
24	Fluoride as F (mg/l)	<0.1	2.0	APHA23rd Edition 4500F
25	Dissolved Phosphates as PO ₄ (mg/l)	<0.05	5.0	IS 2488 (P-31) Sec 1 2022
26	Sulphide as S (mg/l)	<0.01	2.0	IS 3025 (P-29) 2022
27	Phenolic Compounds as C ₆ H ₅ OH (mg/l)	<0.001	1.0	IS 3025 (P-43) Sec 1 2022
28	Manganese as Mn (mg/l)	<0.01	2	APHA 3030K
29	Iron as Fe (mg/l)	<0.05	3	APHA 3030K
30	Vanadium as V (mg/l)	<0.01	0.2	APHA 3030K
31	Nitrate Nitrogen (mg/l)	<1	10	IS 3025 (P-34) 1988 RA 2019

""END OF REPORT""

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ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

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TEST REPORT

Table No. 10

Name of the Client		: M/s. Gogte Minerals		
Name of the Project		: Redi Iron Ore Mine (203)		
Location		: Redi village, Vengurla taluka, Sindhudurg dist, Maharashtra State.		
Particulars of sample collected		: W2 - Pit Discharge Water, W3 - Runoff water from dump		
Sample Collected by		: Environmental Laboratory (Unit of Mineral Engineering Services LLP)		
Date of sample collection		: 14.06.2025		
Issue Date		: 26.06.2025		
Ref		: Environmental (P) Rules, 1986 SCHEDULE VI		
Report No		-	M001425064	General Standards For Effluent Discharge of Environmental Pollutants
Sl. No.	Sample code	W2	W3	Method of Testing
	Parameters	Results		
1	Colour (Hazen Units), & Odour	50		--
2	Suspended Solids (mg/l),	80		100
3	Particle size of suspended solids	Pass through 850 micron		Shall Pass through 850 micron
4	pH	5.62		5.5 to 9.0
5	Temperature °C	25		Shall not exceed 5°C above the receiving water temp
6	Oil & Grase (mg/l), Max	<4.0		10
7	Total Residual Chlorine (mg/l)	<0.1		1.0
8	Ammonical Nitrogen (mg/l)	<0.1		50
9	Total Kjeldahl Nitrogen (mg/l)	<0.1		100
10	Free Ammonia as NH ₃ (mg/l)	<0.1		5.0
11	BOD [3 days at 27°C] (mg/l)	<3		30
12	COD (mg/l)	16		250
13	Arsenic as As (mg/l)	<0.01		0.2
14	Mercury as Hg (mg/l)	<0.001		0.01
15	Lead as Pb (mg/l)	<0.01		0.1
16	Cadmium as Cd (mg/l)	<0.01		2.0
17	Hexavalent Chromium as Cr ⁺⁶ (mg/l)	<0.03		0.1
18	Total Chromium as Cr (mg/l)	<0.01		2.0
19	Copper as Cu (mg/l)	<0.05		3.0
20	Zinc as Zn (mg/l)	<0.05		5.0
21	Selenium as Se (mg/l)	<0.05		0.05
22	Nickel as Ni (mg/l)	<0.05		3.0
23	Cyanide as CN (mg/l)	<0.01		0.2
24	Fluoride as F (mg/l)	<0.1		2.0
25	Dissolved Phosphates as PO ₄ (mg/l)	<0.05		5.0
26	Sulphide as S (mg/l)	<0.01		2.0
27	Phenolic Compounds as C ₆ H ₅ OH (mg/l)	<0.001		1.0
28	Manganese as Mn (mg/l)	<0.01		2
29	Iron as Fe (mg/l)	<0.05		3
30	Vanadium as V (mg/l)	<0.01		0.2
31	Nitrate Nitrogen (mg/l)	<1		10

""END OF REPORT""

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TEST REPORT

Table No. 11

Name of the Client	: M/s. Gogte Minerals
Name of the Project	: Redi Iron Ore Mine (203)
Location	: Redi village, Vengurla taluka, Sindhudurg dist, Maharashtra State.
Particulars of sample collected	: SW1 - Kanyal tank water, SW2 - Nallah water Near Kanyalwadi SW3- Near Hanuman temple Kanyalwadi village
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Date of sample collection	: 14.06.2025
Issue Date	: 26.06.2025
Ref : IS : 2296 Water Quality Standards	

Sl. No.	Report No	M001525064	M001625064	M001725064	Limits	Method of Testing
	Sample Code	SW1	SW2	SW3		
	Parameters	Results				
1	Colour (Hazen Units)	5	1	1	300	IS:3025(Part-4)2021
2	pH	6.55	6.62	7.35	6.5 to 8.5	IS:3025(Part-11)2022
3	Dissolved Oxygen (as O ₂), mg/l	5.6	5.5	5.7	Min 4	IS:3025(Part-38)1989RA 2019
4	Biochemical Oxygen Demand (as O ₂), mg/l	<3	<3	<3	3	IS:3025(P-44) 2014
5	Total Coliform (MPN/100ml)	83	108	4	5000	IS:1622:1981
6	Total Dissolved Solids, (mg/l)	216	226	86	1500	IS:3025(Part-16)2023
7	Chloride (as Cl),mg/l	120.0	95	32	600	IS:3025(Part-32) ;1988RA2019
8	Sulphates as SO ₄ (mg/l)	18.0	26	12.5	400	IS:3025(P-24)Sec 1 2022
9	Nitrates (as NO ₃),mg/l	7.50	12.80	5.50	50	IS:3025(Part-34)1988 RA 2019
10	Fluoride (as F),mg/l	<0.1	<0.1	<0.1	1.5	APHA 23rd Edition 4500F
11	Copper (as Cu),mg/l	<0.005	<0.005	<0.005	1.5	IS:3025(Part-2) 2019
12	Iron (as Fe),mg/l	<0.005	<0.005	<0.005	50	IS:3025(P-2) 2019
13	Zinc (as Zn),mg/l	<0.005	<0.005	<0.005	15	IS:3025(P-2) 2019
14	Total Arsenic (as As), (mg/l)	<0.002	<0.002	<0.002	0.2	IS:3025(Part-37)
15	Lead (as Pb), mg/l	<0.005	<0.005	<0.005	0.1	IS:3025(P-2) 2019
16	Cadmium (as Cd), mg/l	<0.001	<0.001	<0.001	0.01	IS:3025(P-2) 2019
17	Hexavalent Chromium (as Cr ⁺⁶), mg/l	<0.03	<0.03	<0.03	0.05	IS:3025(P-52) 2014
18	Selenium (as Se), mg/l	<0.005	<0.005	<0.005	0.05	IS:3025(P-2) 2019
19	Cyanide (as CN), mg/l	<0.005	<0.005	<0.005	0.05	IS:3025(P-27) Sec 1 2021
20	Phenolic compounds (as C ₆ H ₅ OH),mg/l	<0.001	<0.001	<0.001	0.005	IS:3025(P-43)Sec 1 2022
21	Anionic detergents (as MBAS),mg/l	<0.1	<0.1	<0.1	1.0	IS:3025(Part-68)

Note : Class-C: Drinking water with conventional treatment followed by disinfection.

""END OF REPORT""


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TEST REPORT

Table No. 12

Name of the Client		: M/s. Gogte Minerals		
Name of the Project		: Redi Iron Ore Mine (203)		
Particulars of sample collected		: STP1 - Sewage Treatment Plant		
Date of sample collection		: 14.06.2025		
Report no		: M001725064		
Issue Date		: 26.06.2025		
Ref		:Schedule -1 SI.No-2 of CTO		
Sample code		STP1	Standards	Method of Testing
Sl. No.	Parameters	Results		
1	pH	6.98	-	AOHA (23 rd Edition) 4500H* - B
2	Biochemical Oxygen Demand BOD ₅ 27 ^o C, mg/l	30	<100	IS 3025 (P-44) 1993
3	Total Suspended Solids, at 105 ^o C, mg/l	36	<100	AOHA (23 rd Edition) 2540 - D

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