

ENVIRONMENTAL MONITORING REPORT

September, 2024

PROJECT: REDI IRON ORE MINE (Block -1)
village Redi, Vengurla taluka, Sindhudurg district,
Maharashtra State.

Lessee: M/S. GOGTE MINERALS
BELAGAVI
KARNATAKA

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

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ENVIRONMENTAL LABORATORY

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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)
Station at & Code : A1 - Core Zone Near Mine Office
Duration : 24 Hrs
Issue Date : 03.10.2024
Reference IS 5182 & Lab SOP

Date of Sampling	Lab Code	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
04.09.2024	N/24/09/3-0124	10	12	30	19	<20	<1
05.09.2024	N/24/09/3-0220	9	13	48	29	<20	<1
13.09.2024	N/24/09/4-0183	10	15	50	27	<20	<1
14.09.2024	N/24/09/4-0282	7	11	37	22	<20	<1
16.09.2024	N/24/09/5-0039	9	12	52	27	<20	<1
17.09.2024	N/24/09/5-0099	11	14	43	23	<20	<1
27.09.2024	N/24/09/6-0186	8	11	33	18	<20	<1
28.09.2024	N/24/09/6-0219	12	18	36	21	<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	Lab Code	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
04.09.2024	N/24/09/3-0124	0.21	<0.1	<0.5	<0.5	0.31	20
05.09.2024	N/24/09/3-0220	0.11	<0.1	<0.5	<0.5	0.25	20
13.09.2024	N/24/09/4-0183	0.18	<0.1	<0.5	<0.5	0.33	20
14.09.2024	N/24/09/4-0282	<0.1	<0.1	<0.5	<0.5	0.22	25
16.09.2024	N/24/09/5-0039	0.18	<0.1	<0.5	<0.5	<0.2	22
17.09.2024	N/24/09/5-0099	0.15	<0.1	<0.5	<0.5	0.24	22
27.09.2024	N/24/09/6-0186	0.11	<0.1	<0.5	<0.5	0.33	20
28.09.2024	N/24/09/6-0219	0.15	<0.1	<0.5	<0.5	0.32	22
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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Govt. Analyst / Authorised Signatory

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Table No. 2

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)
Station at & Code : A2 - Redi village
Duration : 24 Hrs
Issue Date : 03.10.2024
Reference IS 5182 & Lab SOP

Date of Sampling	Lab Code	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
04.09.2024	N/24/09/3-0125	7	12	47	25	<20	<1
05.09.2024	N/24/09/3-0221	10	15	40	24	<20	<1
13.09.2024	N/24/09/4-0184	9	11	42	24	<20	<1
14.09.2024	N/24/09/4-0283	10	13	52	27	<20	<1
16.09.2024	N/24/09/5-0040	7	9	50	29	<20	<1
17.09.2024	N/24/09/5-0100	8	10	47	25	<20	<1
27.09.2024	N/24/09/6-0187	9	11	56	30	<20	<1
28.09.2024	N/24/09/6-0220	10	13	48	33	<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	Lab Code	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
04.09.2024	N/24/09/3-0125	0.15	<0.1	<0.5	<0.5	0.24	23
05.09.2024	N/24/09/3-0221	0.09	<0.1	<0.5	<0.5	0.22	23
13.09.2024	N/24/09/4-0184	0.16	<0.1	<0.5	<0.5	0.33	21
14.09.2024	N/24/09/4-0283	0.18	<0.1	<0.5	<0.5	0.28	22
16.09.2024	N/24/09/5-0040	0.16	<0.1	<0.5	<0.5	0.22	25
17.09.2024	N/24/09/5-0100	0.11	<0.1	<0.5	<0.5	0.36	27
27.09.2024	N/24/09/6-0187	0.13	<0.1	<0.5	<0.5	0.20	23
28.09.2024	N/24/09/6-0220	0.08	<0.1	<0.5	<0.5	0.23	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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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)
Station at & Code	: A3 - Shiroda village
Duration	: 24 Hrs
Issue Date	: 03.10.2024
Reference	IS 5182 & Lab SOP

Date of Sampling	Lab Code	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
04.09.2024	N/24/09/3-0126	5	11	53	29	<20	<1
05.09.2024	N/24/09/3-0222	9	14	45	26	<20	<1
13.09.2024	N/24/09/4-0185	9	10	53	40	<20	<1
14.09.2024	N/24/09/4-0284	9	11	46	22	<20	<1
16.09.2024	N/24/09/5-0041	10	13	40	28	<20	<1
17.09.2024	N/24/09/5-0101	7	9	35	18	<20	<1
27.09.2024	N/24/09/6-0188	9	10	48	28	<20	<1
28.09.2024	N/24/09/6-0221	10	12	51	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	Lab Code	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
04.09.2024	N/24/09/3-0126	0.12	<0.1	<0.5	<0.5	0.22	25
05.09.2024	N/24/09/3-0222	0.06	<0.1	<0.5	<0.5	0.28	<20
13.09.2024	N/24/09/4-0185	0.15	<0.1	<0.5	<0.5	0.28	26
14.09.2024	N/24/09/4-0284	0.13	<0.1	<0.5	<0.5	0.26	22
16.09.2024	N/24/09/5-0041	0.17	<0.1	<0.5	<0.5	0.23	20
17.09.2024	N/24/09/5-0101	0.11	<0.1	<0.5	<0.5	0.31	20
27.09.2024	N/24/09/6-0188	0.16	<0.1	<0.5	<0.5	0.27	21
28.09.2024	N/24/09/6-0221	0.13	<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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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)
 Station at & Code : A4 - Gaontala village
 Duration : 24 Hrs
 Issue Date : 03.10.2024
 Reference IS 5182 & Lab SOP

Date of Sampling	Lab Code	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
04.09.2024	N/24/09/3-0127	8	15	40	29	<20	<1
05.09.2024	N/24/09/3-0223	9	13	50	32	<20	<1
13.09.2024	N/24/09/4-0186	8	10	40	28	<20	<1
14.09.2024	N/24/09/4-0285	9	11	49	25	<20	<1
16.09.2024	N/24/09/5-0042	7	9	53	30	<20	<1
17.09.2024	N/24/09/5-0102	10	13	47	26	<20	<1
27.09.2024	N/24/09/6-0189	10	11	38	24	<20	<1
28.09.2024	N/24/09/6-0222	9	10	53	28	<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	Lab Code	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
04.09.2024	N/24/09/3-0127	0.17	<0.1	<0.5	<0.5	0.28	29
05.09.2024	N/24/09/3-0223	0.11	<0.1	<0.5	<0.5	0.26	23
13.09.2024	N/24/09/4-0186	0.19	<0.1	<0.5	<0.5	0.25	23
14.09.2024	N/24/09/4-0285	0.10	<0.1	<0.5	<0.5	0.21	24
16.09.2024	N/24/09/5-0042	0.11	<0.1	<0.5	<0.5	0.36	22
17.09.2024	N/24/09/5-0102	0.15	<0.1	<0.5	<0.5	0.20	26
27.09.2024	N/24/09/6-0189	<0.1	<0.1	<0.5	<0.5	0.21	21
28.09.2024	N/24/09/6-0222	0.16	<0.1	<0.5	<0.5	0.26	<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. 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)
Station at & Code	: A5 - Kanyalwadi village
Duration	: 24 Hrs
Issue Date	: 03.10.2024
Reference	IS 5182 & Lab SOP

Date of Sampling	Lab Code	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
04.09.2024	N/24/09/3-0128	5	11	36	24	<20	<1
05.09.2024	N/24/09/3-0224	10	16	43	27	<20	<1
13.09.2024	N/24/09/4-0187	10	14	45	24	<20	<1
14.09.2024	N/24/09/4-0286	11	13	53	26	<20	<1
16.09.2024	N/24/09/5-0043	9	12	45	22	<20	<1
17.09.2024	N/24/09/5-0103	13	18	56	30	<20	<1
27.09.2024	N/24/09/6-0190	11	15	40	22	<20	<1
28.09.2024	N/24/09/6-0223	7	9	49	27	<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	Lab Code	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
04.09.2024	N/24/09/3-0128	<0.1	<0.1	<0.5	<0.5	0.26	22
05.09.2024	N/24/09/3-0224	0.17	<0.1	<0.5	<0.5	0.24	21
13.09.2024	N/24/09/4-0187	0.17	<0.1	<0.5	<0.5	0.35	28
14.09.2024	N/24/09/4-0286	0.19	<0.1	<0.5	<0.5	0.21	23
16.09.2024	N/24/09/5-0043	0.22	<0.1	<0.5	<0.5	0.25	21
17.09.2024	N/24/09/5-0103	0.19	<0.1	<0.5	<0.5	0.22	20
27.09.2024	N/24/09/6-0190	0.11	<0.1	<0.5	<0.5	0.23	23
28.09.2024	N/24/09/6-0223	0.18	<0.1	<0.5	<0.5	0.31	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.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)					
Station at & Code : A6 - Near NIMCO Gate - Tivrewadi, Redi village					
Duration : 24 Hrs					
Issue Date : 03.10.2024					
Reference IS 5182 & Lab SOP					
Date of Sampling	Lab Code	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)
04.09.2024	N/24/09/3-0129	11	14	56	32
05.09.2024	N/24/09/3-0225	9	12	40	22
13.09.2024	N/24/09/4-0188	10	13	50	27
14.09.2024	N/24/09/4-0287	12	16	55	32
16.09.2024	N/24/09/5-0044	9	11	41	23
17.09.2024	N/24/09/5-0104	11	14	58	32
27.09.2024	N/24/09/6-0191	11	12	51	29
28.09.2024	N/24/09/6-0224	9	12	42	23
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)				
Station at & Code	: A7 - Near Primary School - sakalbhatwadi Redi village				
Duration	: 24 Hrs				
Issue Date	: 03.10.2024				
Reference	IS 5182 & Lab SOP				
Date of Sampling	Lab Code	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)
04.09.2024	N/24/09/3-0130	9	10	51	27
05.09.2024	N/24/09/3-0226	7	9	38	19
13.09.2024	N/24/09/4-0189	13	18	44	28
14.09.2024	N/24/09/4-0288	10	11	35	23
16.09.2024	N/24/09/5-0045	9	12	44	26
17.09.2024	N/24/09/5-0105	12	15	49	27
27.09.2024	N/24/09/6-0192	13	18	48	28
28.09.2024	N/24/09/6-0225	11	13	40	26
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. 8

STATISTICAL AIR QUALITY DATA

Name of the : M/s. Gogte Minerals												
Name of the : Redi Iron Ore Mine (203)												
Month : September, 2024												
Station Code : A4 - Core Zone (ML Area, behind the Mines Office)					Station Code : A5 - Redi village				Station Code : A6 - 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.	7	11	30	18	7	9	40	24	5	9	35	18
10%	8	11	32	19	7	10	41	24	6	10	39	21
25%	9	12	35	21	8	11	46	25	9	10	44	25
50%	10	13	40	23	9	12	48	26	9	11	47	28
75%	10	14	49	27	10	13	51	29	9	12	52	29
98%	12	18	52	29	10	15	55	33	10	14	53	38
Max.	12	18	52	29	10	15	56	33	10	14	53	40
Avg.	10	13	41	23	9	12	48	27	9	11	46	28
SD	2	2	8	4	1	2	5	3	2	2	6	6
No. of obs	8				8				8			
Station Code : A7 - Gaontala village					Station Code : A8 - Kanyalwadi village							
	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	PM ₁₀	PM _{2.5}				
Min.	7	9	38	24	5	9	36	22				
10%	8	10	39	25	6	10	39	22				
25%	8	10	40	26	9	12	42	24				
50%	9	11	48	28	10	14	45	25				
75%	9	13	51	29	11	15	50	27				
98%	10	15	53	32	13	18	56	30				
Max.	10	15	53	32	13	18	56	30				
Avg.	9	12	46	28	10	14	46	25				
SD	1	2	6	3	3	3	7	3				
No. of obs	8				8							

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TEST REPORT

Table No. 9
Report No: N031924094

Name of the Client		: M/s. Gogte Minerals		
Name of the Project		: Redi Iron Ore Mine (203) Redi village, Vengurla taluk, Sindhudurg (dist), Maharashtra State.		
Particulars of sample collected		: SW1 - Pit water		
Sample Collected by		: Environmental Laboratory (Unit of Mineral Engineering Services)		
Date of sample collection		: 17.09.2024		
Lab Code		: NJ24/09/4-0319		
Issue Date		: 03.10.2024		
Ref		: Environmental (P) Rules, 1986 SCHEDULE VI		
Sl. No.	Parameters	Results	General Standards For Effluent Discharge of Environmental Pollutants	Method of Testing
1	Colour (Hazen Units), & Odour	2	--	IS:3025(part-4) and IS 3025 (Part-5)
2	Suspended Solids (mg/l), Max	6	100	IS 3025 (P-17) 2022
3	Particle size of suspended solids	Pass through 850 micron	Shall Pass through 850 micron	AOHA 23rd edition
4	pH	6.93	5.5 to 9.0	IS 3025 (P-11) 2022
5	Temperature ° C	25	Shall not exceed 5°C above the receiving water temp	IS 3025 (P-9) 1984 RA2022
6	Oil & Grease (mg/l), Max	<1.0	10	IS 3025 (P-39) 2021
7	Total Residual Chlorine (mg/l), Max	<0.1	1.0	IS 3025 (P-26) 2021
8	Ammonical Nitrogen (mg/l), Max	<0.1	50	IS 3025 (P-34) 1988 RA 2019
9	Total Kjeldahl Nitrogen (mg/l), Max	<0.1	100	IS 3025 (P-34) 1988 RA 2019
10	Free Ammonia as NH ₃ (mg/l), Max	<0.1	5.0	IS 3025 (P-34) 1988 RA 2019
11	BOD [3 days at 27°C] (mg/l), Max	4.1	30	IS 3025 (P-44) 2014
12	COD (mg/l), Max	16	250	IS 3025 (P-58) 2006 RA2022
13	Arsenic as As (mg/l), Max	<0.01	0.2	APHA 3030K
14	Mercury as Hg (mg/l), Max	<0.001	0.01	APHA 3030K
15	Lead as Pb (mg/l), Max	<0.01	0.1	APHA 3030K
16	Cadmium as Cd (mg/l), Max	<0.01	2.0	APHA 3030K
17	Hexavalent Chromium as Cr ⁺⁶ (mg/l), Max	<0.03	0.1	IS 3025 (P-52) 2014
18	Total Chromium as Cr(mg/l), Max	<0.01	2.0	APHA 3030K
19	Copper as Cu (mg/l), Max	<0.05	3.0	APHA 3030K
20	Zinc as Zn (mg/l), Max	<0.05	5.0	APHA 3030K
21	Selenium as Se (mg/l), Max	<0.05	0.05	APHA 3030K
22	Nickel as Ni (mg/l), Max	<0.05	3.0	APHA 3030K
23	Cyanide as CN (mg/l), Max	<0.01	0.2	IS 3025 (P-27) Sec 1 2021
24	Fluoride as F (mg/l), Max	0.52	2.0	APHA23rd Edition 4500F
25	Dissolved Phosphates as PO ₄ (mg/l), Max	≤0.05	5.0	IS 2488 (P-31) Sec 1 2022
26	Sulphide as S (mg/l), Max	<0.01	2.0	IS 3025 (P-29) 2022
27	Phenolic Compounds as C ₆ H ₅ OH (mg/l), Max	<0.001	1.0	IS 3025 (P-43) Sec 1 2022
28	Radio Active materials			
	a) Alpha Emitters (µcurie/ml), Max	NA	10 ⁻⁷	APHA 21 st
	b) Beta Emitters (µcurie/ml), Max	NA	10 ⁻⁶	APHA 21 st
29	Bio-assay test	NA	90% survival of fish after 96 hrs in 100% effluent)	IS 6582 (Part-1)
30	Manganese as Mn (mg/l), Max	<0.01	2	APHA 3030K
31	Iron as Fe (mg/l), Max	<0.05	3	APHA 3030K
32	Vanadium as V (mg/l), Max	<0.01	0.2	APHA 3030K
33	Nitrate Nitrogen (mg/l), Max	<0.1	10	IS 3025 (P-34) 1988 RA 2019
34	Fixed Dissolved Solids (FDS) mg/l	1534	--	IS 3025(P-18) 2022
35	Chlorides (as Cl), mg/l	600	--	IS 3025 (P-32) 1988 RA2019

""END OF REPORT""

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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), village Redi, Vengurla taluka, Sindhudurg dist, MH State.
Particulars of sample collected	: SW2 - Kanyal tank water, SW3 - Nallah water Near Kanyalwadi SW4- Near Hanuman temple Kanyalwadi village
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services)
Date of sample collection	: 17.09.2024
Issue Date	: 03.10.2024
Ref:IS : 2296, 1982 Class C Norms (Stream Water Standards)	

Sl. No.	Lab Code	N/24/09/4-0320	N/24/09/4-0321	N/24/09/4-0322	Limits For Stream Water Standards	Method of Testing
	Sample Code	SW2	SW3	SW4		
	Parameters	Results				
1	Colour (Hazen Units), Max	3	1	1	300	IS:3025(Part-4)2021
2	pH	7.82	7.19	6.62	6.5 to 8.5	IS:3025(Part-11)2022
3	Dissolved Oxygen (as O ₂), mg/l	5.6	5.4	5.3	Min 4	IS:3025(Part-38)1989RA 2019
4	Oil and grease, mg/l, Max	<0.1	<0.1	<0.1	0.1	IS:3025(Part-39) 2021
5	Total Dissolved Solids (mg/l), Max	286	300	120	1500	IS:3025(Part-16)2023
6	Nitrates (as NO ₃),mg/l, Max	11.0	12.0	4.0	50	IS:3025(Part-34)1988 RA 2019
7	Anionic detergents (as MBAS),mg/l, Max	<0.1	<0.1	<0.1	1.0	IS:3025(Part-68)
8	Copper (as Cu),mg/l, Max	<0.005	<0.005	<0.005	1.5	IS:3025(Part-42) 2019
9	Chloride (as Cl),mg/l, Max	120.0	125.0	32.0	600	IS:3025(Part-32) ;1988RA2019
10	Fluoride (as F),mg/l, Max	0.54	0.35	0.20	1.5	APHA 23rd Edition 4500F
11	Iron (as Fe),mg/l, Max	<0.005	<0.005	<0.005	50	IS:3025(P-2) 2019
12	Phenolic compounds (as C ₆ H ₅ OH),mg/l, Max	<0.001	<0.001	<0.001	0.005	IS:3025(P-43)Sec 1 2022
13	Selenium (as Se), mg/l, Max	<0.005	<0.005	<0.005	0.05	IS:3025(P-2) 2019
14	Sulphates (as SO ₄),mg/l, Max	34.0	60.0	20.0	400	IS:3025(P-24)Sec 1 2022
15	Zinc (as Zn),mg/l, Max	<0.005	<0.005	<0.005	15	IS:3025(P-2) 2019
16	Cadmium (as Cd), mg/l, Max	<0.001	<0.001	<0.001	0.01	IS:3025(P-2) 2019
17	Cyanides (as CN), mg/l, Max	<0.01	<0.01	<0.01	0.05	IS:3025(P-27) Sec 12021
18	Lead (as Pb) mg/l, Max	<0.005	<0.005	<0.005	0.1	IS:3025(P-2) 2019
19	Total Arsenic as As (mg/l), Max	<0.002	<0.002	<0.002	0.2	IS:3025(P-2) 2019
20	Chromium (as Cr ⁺⁶), mg/l, Max	<0.03	<0.03	<0.03	0.05	IS:3025(P-52) 2014
21	Biochemical Oxygen Demand (as O ₂), mg/l	<3	<3	<3	3	IS:3025(P-44) 2014
22	Total Coliform, MPN/100ml, Max	580	610	140	5000	IS:1622:1981

"END OF REPORT"


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TEST REPORT

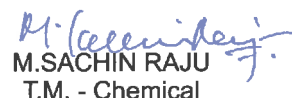
Table No. 11
Report No :N0032324094

Name of the Client	: M/s. Gogte Minerals			
Name of the Project	: Redi Iron Ore Mine (203), village Redi, Vengurla taluka, Sindhudurg dist, Maharashtra State.			
Particulars of sample collected	: Sewage Treatment Plant Water Sample			
Date of sample collection	: 17.09.2024			
Lab Code	: N/24/09/4-0323			
Issue Date	: 03.10.2024			
Ref	: Schedule -1 Sl.No-2 of CTO			
Sl. No.	Parameters	Results	Standards	Method of Testing
1	pH	7.51	6.5 -9.0	AOHA (23 rd Edition) 4500H* - B
2	Biochemical Oxygen Demand BOD ₅ 27 ^o C, mg/l	16	<100	IS 3025 (P-44) 1993
3	Total Suspended Solids, at 105 ^o C, mg/l	42	<100	AOHA (23 rd Edition) 2540 - D
4	Fecal Coliform (FC), MPN/100ml	128	<1000	AOHA (23 rd Edition) 5520 - B


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