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 -2026**

ENVIRONMENTAL LABORATORY

(Unit of Mineral Engineering Services LLP)

Recognised by MoEF&CC Under E(P) Act 1986

&

Accredited by NABL

#948, 2nd Cross, Kammanahalli Main Road,

St Thomas Town Post,

Bangalore- 560 084, Karnataka

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TEST REPORT

Table No. 1

Fugitive Emission

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)
Duration	: 08 Hrs
Issue Date	: 04.07.2026

Code & Station	Date of sample	Report no	Sulphur Dioxide (SO_2), µg/m³	Nitrogen Dioxide (NO_2), µg/m³	PM_{10} (µg/m³)	SPM (µg/m³)	Carbon Monoxide* (CO), mg/m³
FA1- Near Dumping Area	June, 2026	No Mining Operation					
FA2 - Haulage road							
FA3 - Near Loading Area							
FA4 - Screening Area							

Limits for Within in Mining Area Pollutant	SO_2	NO_2	RPM (PM_{10})	SPM (PM)	CO
Concentration in Ambient Air	120	120	250	500	4
Time Weighted Average	24 Hrs	24 Hrs	24 Hrs	24 Hrs	1 Hr

Note : * Parameters monitored for period of 1 hr

ARSHIYA KOUSAR
Dy TM - Chemical
Govt Analyst/Authorised Signatory

Note : This report is subject to the terms and conditions mentioned overleaf.

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TEST REPORT

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 LLP)
Code & Station : A1 - Core Zone Near Mine Office
Duration : 24 Hrs
Issue Date : 04.07.2026
Sampling & Test Method : IS 5182 & Lab SOP

Date of Sampling	Report No	Sulphur Dioxide (SO_2), µg/m³	Nitrogen Dioxide (NO_2), µg/m³	PM_{10}, (µg/m³)	$PM_{2.5}$, (µg/m³)	Ammonia (NH_3), µg/m³	Benzene (C_6H_6), µg/m³
05.06.2026	N018126061	9	18	53	28	<20	<1
06.06.2026	N005726062	10	13	46	25	<20	<1
12.06.2026	N027026062	13	14	50	24	<20	<1
13.06.2026	N005426063	9	11	54	32	<20	<1
15.06.2026	N010126063	13	15	43	20	<20	<1
16.06.2026	N014926063	9	11	48	26	<20	<1
22.06.2026	N008626064	10	13	33	19	<20	<1
23.06.2026	N013526064	6	9	43	22	<20	<1
NAAQs 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/m³	Nickel (Ni), ng/m³	Arsenic (As), ng/m³	Benzo(a) Pyrene (BaP), ng/m³	Carbon Monoxide* (CO), mg/m³	Ozone* (O_3), µg/m³
05.06.2026	N018126061	0.15	<0.1	<0.5	<0.5	0.22	25
06.06.2026	N005726062	0.11	<0.1	<0.5	<0.5	0.25	23
12.06.2026	N027026062	0.13	<0.1	<0.5	<0.5	0.21	22
13.06.2026	N005426063	0.15	<0.1	<0.5	<0.5	<0.2	27
15.06.2026	N010126063	0.21	<0.1	<0.5	<0.5	0.25	25
16.06.2026	N014926063	0.18	<0.1	<0.5	<0.5	0.23	23
22.06.2026	N008626064	0.12	<0.1	<0.5	<0.5	0.27	21
23.06.2026	N013526064	0.16	<0.1	<0.5	<0.5	0.20	20
NAAQS 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

ARSHIYA KOUSAR
Dy TM - Chemical
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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)
Code & Station : A2 - Redi village
Duration : 24 Hrs
Issue Date : 04.07.2026
Sampling & Test Method : IS 5182 & Lab SOP

Date of Sampling	Report No	Sulphur Dioxide (SO_2), µg/m³	Nitrogen Dioxide (NO_2), µg/m³	PM_{10}, (µg/m³)	$PM_{2.5}$, (µg/m³)	Ammonia (NH_3), µg/m³	Benzene (C_6H_6), µg/m³
05.06.2026	N018226061	7	16	48	25	<20	<1
06.06.2026	N005826062	12	15	51	28	<20	<1
12.06.2026	N027126062	10	11	45	26	<20	<1
13.06.2026	N005526063	14	16	40	26	<20	<1
15.06.2026	N010226063	9	11	30	19	<20	<1
16.06.2026	N015026063	7	10	41	25	<20	<1
22.06.2026	N008726064	10	14	32	19	<20	<1
23.06.2026	N013626064	8	13	39	21	<20	<1
NAAQs 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/m³	Nickel (Ni), ng/m³	Arsenic (As), ng/m³	Benzo(a) Pyrene (BaP), ng/m³	Carbon Monoxide* (CO), mg/m³	Ozone* (O_3), µg/m³
05.06.2026	N018226061	0.11	<0.1	<0.5	<0.5	0.21	22
06.06.2026	N005826062	0.15	<0.1	<0.5	<0.5	0.26	23
12.06.2026	N027126062	<0.1	<0.1	<0.5	<0.5	0.23	21
13.06.2026	N005526063	0.13	<0.1	<0.5	<0.5	0.27	20
15.06.2026	N010226063	0.11	<0.1	<0.5	<0.5	0.20	22
16.06.2026	N015026063	0.16	<0.1	<0.5	<0.5	0.21	25
22.06.2026	N008726064	0.13	<0.1	<0.5	<0.5	0.25	26
23.06.2026	N013626064	0.10	<0.1	<0.5	<0.5	0.23	20
NAAQS 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. 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)
Code & Station	: A3 - Shiroda village
Duration	: 24 Hrs
Issue Date	: 04.07.2026
Sampling & Test Method	*: IS 5182 & Lab SOP*

Date of Sampling	Report No	Sulphur Dioxide (SO_2), µg/m³	Nitrogen Dioxide (NO_2), µg/m³	PM_{10}, (µg/m³)	$PM_{2.5}$, (µg/m³)	Ammonia (NH_3), µg/m³	Benzene (C_6H_6), µg/m³
05.06.2026	N018326061	10	15	45	24	<20	<1
06.06.2026	N005926062	10	12	54	32	<20	<1
12.06.2026	N027226062	6	9	35	18	<20	<1
13.06.2026	N005626063	8	10	43	20	<20	<1
15.06.2026	N010326063	9	10	49	26	<20	<1
16.06.2026	N015126063	11	12	31	18	<20	<1
22.06.2026	N008826064	7	10	45	26	<20	<1
23.06.2026	N013726064	11	11	42	24	<20	<1
NAAQs 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/m³	Nickel (Ni), ng/m³	Arsenic (As), ng/m³	Benzo(a) Pyrene (BaP), ng/m³	Carbon Monoxide* (CO), mg/m³	Ozone* (O_3), µg/m³
05.06.2026	N018326061	<0.1	<0.1	<0.5	<0.5	0.22	22
06.06.2026	N005926062	0.13	<0.1	<0.5	<0.5	0.20	24
12.06.2026	N027226062	0.22	<0.1	<0.5	<0.5	<0.2	21
13.06.2026	N005626063	0.11	<0.1	<0.5	<0.5	0.20	20
15.06.2026	N010326063	0.16	<0.1	<0.5	<0.5	0.32	25
16.06.2026	N015126063	0.14	<0.1	<0.5	<0.5	0.25	23
22.06.2026	N008826064	0.13	<0.1	<0.5	<0.5	0.22	21
23.06.2026	N013726064	0.18	<0.1	<0.5	<0.5	0.20	22
NAAQS 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)
Code & Station	: A4 - Gaontala village
Duration	: 24 Hrs
Issue Date	: 04.07.2026
Sampling & Test Method	*IS 5182 & Lab SOP*

Date of Sampling	Report No	Sulphur Dioxide (SO_2), µg/m³	Nitrogen Dioxide (NO_2), µg/m³	PM_{10}, (µg/m³)	$PM_{2.5}$, (µg/m³)	Ammonia (NH_3), µg/m³	Benzene (C_6H_6), µg/m³
05.06.2026	N018426061	11	13	34	18	<20	<1
06.06.2026	N006026062	10	14	50	28	<20	<1
12.06.2026	N027326062	11	13	47	26	<20	<1
13.06.2026	N005726063	9	10	48	25	<20	<1
15.06.2026	N010426063	8	9	50	28	<20	<1
16.06.2026	N015226063	10	13	42	23	<20	<1
22.06.2026	N008926064	10	14	40	22	<20	<1
23.06.2026	N013826064	12	14	31	15	<20	<1
NAAQs 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/m³	Nickel (Ni), ng/m³	Arsenic (As), ng/m³	Benzo(a) Pyrene (BaP), ng/m³	Carbon Monoxide* (CO), mg/m³	Ozone* (O_3), µg/m³
05.06.2026	N018426061	0.22	<0.1	<0.5	<0.5	0.24	20
06.06.2026	N006026062	0.11	<0.1	<0.5	<0.5	0.21	<20
12.06.2026	N027326062	0.17	<0.1	<0.5	<0.5	0.25	25
13.06.2026	N005726063	0.12	<0.1	<0.5	<0.5	0.31	20
15.06.2026	N010426063	0.16	<0.1	<0.5	<0.5	0.24	24
16.06.2026	N015226063	0.14	<0.1	<0.5	<0.5	0.22	26
22.06.2026	N008926064	0.11	<0.1	<0.5	<0.5	0.27	20
23.06.2026	N013826064	0.13	<0.1	<0.5	<0.5	0.23	23
NAAQS 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)
Code & Station : A5 - Kanyalwadi village
Duration : 24 Hrs
Issue Date : 04.07.2026
Sampling & Test Method : IS 5182 & Lab SOP

Date of Sampling	Report No	Sulphur Dioxide (SO_2), µg/m³	Nitrogen Dioxide (NO_2), µg/m³	PM_{10}, (µg/m³)	$PM_{2.5}$, (µg/m³)	Ammonia (NH_3), µg/m³	Benzene (C_6H_6), µg/m³
03.06.2026	N007226061	7	12	34	19	<20	<1
04.06.2026	N011326061	10	13	43	25	<20	<1
10.06.2026	N019326062	15	14	47	28	<20	<1
11.06.2026	N022026062	9	11	44	22	<20	<1
17.06.2026	N017926063	12	10	40	21	<20	<1
18.06.2026	N021126063	12	17	34	19	<20	<1
24.06.2026	N020626064	11	17	41	22	<20	<1
25.06.2026	N026526064	9	10	39	23	<20	<1
NAAQs 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/m³	Nickel (Ni), ng/m³	Arsenic (As), ng/m³	Benzo(a) Pyrene (BaP), ng/m³	Carbon Monoxide* (CO), mg/m³	Ozone* (O_3), µg/m³
03.06.2026	N007226061	0.18	<0.1	<0.5	<0.5	0.22	25
04.06.2026	N011326061	0.22	<0.1	<0.5	<0.5	0.24	22
10.06.2026	N019326062	0.11	<0.1	<0.5	<0.5	0.20	27
11.06.2026	N022026062	0.13	<0.1	<0.5	<0.5	0.22	23
17.06.2026	N017926063	0.21	<0.1	<0.5	<0.5	0.26	25
18.06.2026	N021126063	0.18	<0.1	<0.5	<0.5	0.23	<20
24.06.2026	N020626064	0.15	<0.1	<0.5	<0.5	0.20	22
25.06.2026	N026526064	0.11	<0.1	<0.5	<0.5	0.25	20
NAAQS 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.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)
Code & Station	: A6 - Near NIMCO Gate - Tivrewadi, Redi village
Duration	: 24 Hrs
Issue Date	: 04.07.2026
Sampling & Test Method	: *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)
03.06.2026	N007326061	8	15	55	30
04.06.2026	N011426061	7	13	47	22
10.06.2026	N019426062	12	13	49	25
11.06.2026	N022126062	10	15	52	27
17.06.2026	N018026063	8	14	35	19
18.06.2026	N021226063	11	13	47	27
24.06.2026	N020726064	7	10	42	25
25.06.2026	N026626064	12	17	38	20
NAAQS 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

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)**
Code & Station	: **A7 - Near Primary School - sakalbhatwadi Redi village**
Duration	: **24 Hrs**
Issue Date	: **04.07.2026**
Sampling & Test Method	: *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)
03.06.2026	N007426061	9	11	42	23
04.06.2026	N011526061	10	13	46	25
10.06.2026	N019526062	11	16	38	19
11.06.2026	N022226062	9	12	30	18
17.06.2026	N018126063	12	18	53	27
18.06.2026	N021326063	12	15	44	22
24.06.2026	N020826064	13	17	33	19
25.06.2026	N026726064	9	10	43	24
NAAQS 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. 9

STATISTICAL AIR QUALITY DATA

Name of the Client : M/s. Gogte Minerals

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

Month : June, 2026

Code & Station	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	33	19	7	10	30	19	6	9	31	18
10%	8	10	40	20	7	11	31	19	7	10	34	18
25%	9	11	43	22	8	11	37	21	8	10	40	20
50%	10	13	47	25	10	14	41	25	10	11	44	24
75%	11	14	51	27	11	15	46	26	10	12	46	26
98%	13	18	54	31	14	16	51	28	11	15	53	31
Max.	13	18	54	32	14	16	51	28	11	15	54	32
Avg.	10	13	46	25	10	13	41	24	9	11	43	24
SD	2	3	7	4	2	2	7	3	2	2	7	5
No. of obs	8				8				8			

Code & Station	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.	8	9	31	15	7	10	34	19
10%	9	10	33	17	8	10	34	19
25%	10	12	39	21	9	11	38	21
50%	10	13	45	24	11	13	41	22
75%	11	14	49	27	12	15	43	24
98%	12	14	50	28	15	17	47	28
Max.	12	14	50	28	15	17	47	28
Avg.	10	13	43	23	11	13	40	22
SD	1	2	7	5	2	3	5	3
No. of obs	8				8			

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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.
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Nature of Sample	: Surface Water
Sample Location	: W1 - Pit water
Date of sample collection	: 05.06.2026
Date of sample receipt	: 06.06.2026
Report No	: M000326061
Issue Date	: 04.07.2026
Ref	*Environmental (P) Rules, 1986 SCHEDULE VI*

Sample code		W1		
Sl. No.	Parameters	Results	Standards For Effluent Discharge of Environmental Pollutants	Method of Testing
1	Colour (Hazen Units), & Odour	5	–	IS 3025 (part-4)
2	Suspended Solids (mg/l), Max	26	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	6.72	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 (Part 9) 2023
6	Oil & Grrase (mg/l), Max	<4.0	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 Sec 1) 2023
9	Total Kjeldahl Nitrogen (mg/l), Max	<0.1	100	IS 3025 (P-34 Sec 1) 2023
10	Free Ammonia as NH_3 (mg/l), Max	<0.01	5.0	IS 3025 (P-34 Sec 1) 2023
11	BOD [3 days at 27°C] (mg/l), Max	<3.0	30	IS 3025 (Part 44) 2023
12	COD (mg/l), Max	26	250	IS 3025 (Part 58) 2023
13	Arsenic as As (mg/l), Max	<0.05	0.2	APHA 24th Ed.Method No.3030K
14	Mercury as Hg (mg/l), Max	<0.001	0.01	APHA 24th Ed.Method No.3030K
15	Lead as Pb (mg/l), Max	<0.05	0.1	APHA 24th Ed.Method No.3030K
16	Cadmium as Cd (mg/l), Max	<0.01	2.0	APHA 24th Ed.Method No.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 24th Ed.Method No.3030K
19	Copper as Cu (mg/l), Max	<0.05	3.0	APHA 24th Ed.Method No.3030K
20	Zinc as Zn (mg/l), Max	<0.05	5.0	APHA 24th Ed.Method No.3030K
21	Selenium as Se (mg/l), Max	<0.05	0.05	APHA 24th Ed.Method No.3030K
22	Nickel as Ni (mg/l), Max	<0.05	3.0	APHA 24th Ed.Method No.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	<0.1	2.0	APHA 24th Edition 4500F
25	Dissolved Phosphates as PO_4 (mg/l), Max	<0.1	5.0	IS 3025 (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_6H_5OH (mg/l), Max	<0.001	1.0	IS 3025 (P-43) Sec 1 2022
28	Manganese as Mn (mg/l), Max	<0.01	2	APHA 24th Ed.Method No.3030K
29	Iron as Fe (mg/l), Max	<0.05	3	APHA 24th Ed.Method No.3030K
30	Vanadium as V (mg/l), Max	<0.01	0.2	APHA 24th Ed.Method No.3030K
31	Nitrate Nitrogen (mg/l), Max	4.2	10	IS 3025 (P-34) 1988 RA 2019

"'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	: W2 - Pit Discharge water, W3 - Runoff water from dump
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Date of sample collection	: 05.06.2026
Date of sample receipt	: 06.06.2026
Issue Date	: 04.07.2026
Ref	Environmental (P) Rules, 1986 SCHEDULE VI

Sl. No.	Report No / Sample code / Parameters	- W2	- W3	Standards For Effluent Discharge of Environmental Pollutants	Method of Testing
		Results			
1	Colour (Hazen Units), & Odour	No Pit Discharge	No Runoff	--	IS:3025 (part-4)
2	Suspended Solids (mg/l), Max			100	IS 3025 (P-17) 2022
3	Particle size of suspended solids			Shall Pass through 850 micron	AOHA 23rd edition
4	pH			5.5 to 9.0	IS 3025 (P-11) 2022
5	Temperature ° C			Shall not exceed 5°C above the receiving water temp	IS 3025 (Part 9) 2023
6	Oil & Grrase (mg/l), Max			10	IS 3025 (P-39) 2021
7	Total Residual Chlorine (mg/l), Max			1.0	IS 3025 (P-26) 2021
8	Ammonical Nitrogen (mg/l), Max			50	IS 3025 (P-34 Sec 1) 2023
9	Total Kjeldahl Nitrogen (mg/l), Max			100	IS 3025 (P-34 Sec 1) 2023
10	Free Ammonia as NH_3 (mg/l), Max			5.0	IS 3025 (P-34 Sec 1) 2023
11	BOD [3 days at 27°C] (mg/l), Max			30	IS 3025 (Part 44) 2023
12	COD (mg/l), Max			250	IS 3025 (Part 58) 2023
13	Arsenic as As (mg/l), Max			0.2	APHA 24th Ed.Method No.3030K
14	Mercury as Hg (mg/l), Max			0.01	APHA 24th Ed.Method No.3030K
15	Lead as Pb (mg/l), Max			0.1	APHA 24th Ed.Method No.3030K
16	Cadmium as Cd (mg/l), Max			2.0	APHA 24th Ed.Method No.3030K
17	Hexavalent Chromium as Cr^{+6} (mg/l), Max			0.1	IS 3025 (P-52) 2014
18	Total Chromium as Cr(mg/l), Max			2.0	APHA 24th Ed.Method No.3030K
19	Copper as Cu (mg/l), Max			3.0	APHA 24th Ed.Method No.3030K
20	Zinc as Zn (mg/l), Max			5.0	APHA 24th Ed.Method No.3030K
21	Selenium as Se (mg/l), Max			0.05	APHA 24th Ed.Method No.3030K
22	Nickel as Ni (mg/l), Max			3.0	APHA 24th Ed.Method No.3030K
23	Cyanide as CN (mg/l), Max			0.2	IS 3025 (P-27) Sec 1 2021
24	Fluoride as F (mg/l), Max			2.0	APHA 24th Edition 4500F
25	Dissolved Phosphates as PO_4 (mg/l), Max			5.0	IS 3025 (P-31) Sec 1 2022
26	Sulphide as S (mg/l), Max			2.0	IS 3025 (P-29) 2022
27	Phenolic Compounds as C_6H_5OH (mg/l), Max			1.0	IS 3025 (P-43) Sec 1 2022
28	Manganese as Mn (mg/l), Max			2	APHA 24th Ed Method No.3030K
29	Iron as Fe (mg/l), Max			3	APHA 24th Ed.Method No.3030K
30	Vanadium as V (mg/l), Max			0.2	APHA 24th Ed.Method No.3030K
31	Nitrate Nitrogen (mg/l), Max			10	IS 3025 (P-34) 1988 RA 2019

""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)
Location	: Redi village, Vengurla taluka,Sindhudurg dist,Maharashtra State.
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Nature of Sample	: Surface Water
Sample Location	: SW1 - Kanyal tank water, SW2 - Nallah water Near Kanyalwadi SW3- Near Hanuman temple Kanyalwadi village
Date of sample collection	: 05.06.2026
Date of sample receipt	: 06.06.2026
Issue Date	: 04.07.2026

Ref : IS : 2296 Water Quality Standards

Sl. No.	Report No / Sample Code / Parameters	M000426061 SW1 Results	M000526061 SW2 Results	M000626061 SW3 Results	Limits	Method of Testing
1	Colour (Hazen Units)	5	5	5	300	IS 3025 (Part 4) 2021
2	pH	6.70	6.80	6.96	6.5 to 8.5	IS 3025 (Part 11) 2022
3	Dissolved Oxygen (as O_2), mg/l	5.80	5.60	5.80	Min 4	IS 3025 (Part 38):1989 RA 2019
4	Biochemical Oxygen Demand (as O_2), mg/l	<3	<3	<3	Max 3	IS 3025 (Part 44) 2023
5	Total Coliform (MPN/100ml)	102	100	108	5000	IS 15185 2016 RA 2021
6	Total Dissolved Solids, (mg/l)	220	576	254	1500	IS 3025 (Part 16) 2023
7	Chloride (as Cl),mg/l	90.0	280.0	120.0	600	IS 3025 (Part 32) :1988 RA 2019
8	Sulphates as SO_4 (mg/l)	50.0	70.0	30.0	400	APHA (24th Edition) 4110B
9	Nitrates (as NO_3),mg/l	2.70	7.00	1.50	50	IS 3025 (Part 34-Sec1) 2023
10	Fluoride (as F),mg/l	<0.1	<0.1	<0.1	1.5	IS 3025 (Part 60-Sec1) 2023
11	Copper (as Cu),mg/l	<0.0005	<0.0005	<0.0005	1.5	IS 3025 (Part 65) 2022
12	Iron (as Fe),mg/l	<0.005	<0.005	<0.005	50	IS 3025 (Part 65) 2022
13	Zinc (as Zn),mg/l	<0.005	<0.005	<0.005	15	IS 3025 (Part 65) 2022
14	Total Arsenic (as As), (mg/l)	<0.0005	<0.0005	<0.0005	0.2	IS 3025 (Part 65) 2022
15	Lead (as Pb), mg/l	<0.0005	<0.0005	<0.0005	0.1	IS 3025 (Part 65) 2022
16	Cadmium (as Cd), mg/l,	<0.0005	<0.0005	<0.0005	0.01	IS 3025 (Part 65) 2022
17	Hexavalent Chromium (as Cr^{+6}),mg/l,	<0.03	<0.03	<0.03	0.05	IS 3025 (Part 52) 2019 RA 2023
18	Selenium (as Se), mg/l	<0.0005	<0.0005	<0.0005	0.05	IS 3025 (Part 65) 2022
19	Cyanide (as CN), mg/l,	<0.01	<0.01	<0.01	0.05	IS 3025 (Part 27/Sec1) 2021
20	Phenolic compounds (as C_6H_5OH),mg/l	<0.001	<0.001	<0.001	0.005	IS 3025 (Part 43/Sec1) 2022
21	Anionic detergents (as MBAS),mg/l	<0.1	<0.1	<0.1	1.0	IS 3025 (Part 68) 2023

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

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TEST REPORT

Table No. 13

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	: 05.06.2026
Date of sample receipt	: 06.06.2026
Report no	: M000726061
Issue Date	: 04.07.2026
Ref	:Schedule -1 Sl.No-2 of CTO

Sample code		STP1		
Sl. No.	Parameters	Results	Standards	Method of Testing
1	pH	6.95	-	IS 3025 (P-11) 2022
2	Biochemical Oxygen Demand BOD_3 27^0 C, mg/l	25	<100	IS 3025 (Part 44) 2023
3	Total Suspended Solids, at 105^0C, mg/l	28	<100	IS 3025 (P-17) 2022

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