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	May -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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ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

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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	: 04.06.2026

Code & Station	Date of sample	Report no	Sulphur Dioxide (SO_2), µg/m^3	Nitrogen Dioxide (NO_2), µg/m^3	PM_{10} (µg/m^3)	SPM (µg/m^3)	Carbon Monoxide* (CO), mg/m^3
FA1- Near Dumping Area	08.05.2026	N023026052	14	20	152	262	0.42
	18.05.2026	N010026054	12	16	160	286	0.38
FA2 - Haulage road	09.05.2026	N004826053	11	18	175	297	0.46
	19.05.2026	N014226054	13	15	164	278	0.52
FA3 - Near Loading Area	08.05.2026	N023126052	10	14	133	238	0.28
	18.05.2026	N010126054	13	17	156	256	0.34
FA4 - Screening Area	09.05.2026	N004926053	14	20	185	298	0.53
	19.05.2026	N014326054	11	16	155	258	0.48
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
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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 : 04.06.2026
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)	Ammonia (NH_3), µg/m^3	Benzene (C_6H_6), µg/m^3
08.05.2026	N022626052	8	12	39	17	<20	<1
09.05.2026	N004426053	9	10	49	25	<20	<1
11.05.2026	N009826053	11	15	40	19	<20	<1
12.05.2026	N014526053	7	9	48	20	<20	<1
18.05.2026	N009626054	10	16	47	23	<20	<1
19.05.2026	N013826054	9	14	50	27	<20	<1
27.05.2026	N021226055	10	16	31	19	<20	<1
28.05.2026	N024326055	12	15	44	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/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
08.05.2026	N022626052	0.18	<0.1	<0.5	<0.5	0.23	21
09.05.2026	N004426053	0.26	<0.1	<0.5	<0.5	0.32	28
11.05.2026	N009826053	0.20	<0.1	<0.5	<0.5	0.27	22
12.05.2026	N014526053	0.17	<0.1	<0.5	<0.5	0.21	30
18.05.2026	N009626054	0.11	<0.1	<0.5	<0.5	0.45	26
19.05.2026	N013826054	0.13	<0.1	<0.5	<0.5	0.36	22
27.05.2026	N021226055	0.17	<0.1	<0.5	<0.5	0.28	25
28.05.2026	N024326055	0.25	<0.1	<0.5	<0.5	0.46	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.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 : 04.06.2026
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)	Ammonia (NH_3), µg/m^3	Benzene (C_6H_6), µg/m^3
08.05.2026	N022726052	7	11	47	21	<20	<1
09.05.2026	N004526053	9	10	49	28	<20	<1
11.05.2026	N009926053	12	19	51	27	<20	<1
12.05.2026	N014626053	13	18	36	18	<20	<1
18.05.2026	N009726054	10	12	53	27	<20	<1
19.05.2026	N013926054	13	18	56	32	<20	<1
27.05.2026	N021326055	8	14	50	29	<20	<1
28.05.2026	N024426055	12	16	39	19	<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/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
08.05.2026	N022726052	0.19	<0.1	<0.5	<0.5	0.35	24
09.05.2026	N004526053	0.17	<0.1	<0.5	<0.5	0.46	23
11.05.2026	N009926053	0.25	<0.1	<0.5	<0.5	0.55	28
12.05.2026	N014626053	0.23	<0.1	<0.5	<0.5	0.26	26
18.05.2026	N009726054	0.19	<0.1	<0.5	<0.5	0.41	25
19.05.2026	N013926054	0.22	<0.1	<0.5	<0.5	0.39	20
27.05.2026	N021326055	0.26	<0.1	<0.5	<0.5	0.33	21
28.05.2026	N024426055	0.15	<0.1	<0.5	<0.5	0.31	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. 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 : 04.06.2026
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)	Ammonia (NH_3), µg/m^3	Benzene (C_6H_6), µg/m^3
08.05.2026	N022826052	9	11	46	24	<20	<1
09.05.2026	N004626053	7	12	35	19	<20	<1
11.05.2026	N010026053	9	11	54	28	<20	<1
12.05.2026	N014726053	11	20	48	25	<20	<1
18.05.2026	N009826054	6	16	31	18	<20	<1
19.05.2026	N014026054	9	12	43	19	<20	<1
27.05.2026	N021426055	11	17	53	27	<20	<1
28.05.2026	N024526055	10	12	48	25	<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/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
08.05.2026	N022826052	0.11	<0.1	<0.5	<0.5	0.25	26
09.05.2026	N004626053	0.28	<0.1	<0.5	<0.5	0.22	25
11.05.2026	N010026053	0.25	<0.1	<0.5	<0.5	0.36	22
12.05.2026	N014726053	0.22	<0.1	<0.5	<0.5	0.38	25
18.05.2026	N009826054	0.23	<0.1	<0.5	<0.5	0.42	22
19.05.2026	N014026054	0.18	<0.1	<0.5	<0.5	0.33	27
27.05.2026	N021426055	0.26	<0.1	<0.5	<0.5	0.28	21
28.05.2026	N024526055	0.17	<0.1	<0.5	<0.5	0.36	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.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 : 04.06.2026
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)	Ammonia (NH_3), µg/m^3	Benzene (C_6H_6), µg/m^3
08.05.2026	N022926052	11	15	50	26	<20	<1
09.05.2026	N004726053	13	17	46	23	<20	<1
11.05.2026	N010126053	8	13	38	20	<20	<1
12.05.2026	N014826053	11	17	47	23	<20	<1
18.05.2026	N009926054	8	13	39	20	<20	<1
19.05.2026	N014126054	10	11	50	26	<20	<1
27.05.2026	N021526055	13	15	39	19	<20	<1
28.05.2026	N024626055	11	12	49	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/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
08.05.2026	N022926052	0.13	<0.1	<0.5	<0.5	0.23	20
09.05.2026	N004726053	0.21	<0.1	<0.5	<0.5	0.22	28
11.05.2026	N010126053	0.26	<0.1	<0.5	<0.5	0.28	25
12.05.2026	N014826053	0.22	<0.1	<0.5	<0.5	0.21	23
18.05.2026	N009926054	0.21	<0.1	<0.5	<0.5	0.33	27
19.05.2026	N014126054	0.14	<0.1	<0.5	<0.5	0.24	20
27.05.2026	N021526055	0.19	<0.1	<0.5	<0.5	0.33	21
28.05.2026	N024626055	0.25	<0.1	<0.5	<0.5	0.23	25
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 : 04.06.2026
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)	Ammonia (NH_3), µg/m^3	Benzene (C_6H_6), µg/m^3
06.05.2026	N014626052	9	11	46	26	<20	<1
07.05.2026	N018826052	7	10	56	27	<20	<1
13.05.2026	N019726053	12	16	30	19	<20	<1
14.05.2026	N023726053	15	15	35	21	<20	<1
20.05.2026	N018126054	11	15	54	25	<20	<1
21.05.2026	N022626054	7	15	52	22	<20	<1
25.05.2026	N010026055	9	18	38	17	<20	<1
26.05.2026	N016526055	8	17	40	19	<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/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
06.05.2026	N014626052	0.10	<0.1	<0.5	<0.5	0.24	23
07.05.2026	N018826052	0.27	<0.1	<0.5	<0.5	0.30	28
13.05.2026	N019726053	0.15	<0.1	<0.5	<0.5	0.21	25
14.05.2026	N023726053	0.16	<0.1	<0.5	<0.5	0.25	21
20.05.2026	N018126054	0.13	<0.1	<0.5	<0.5	0.33	22
21.05.2026	N022626054	0.18	<0.1	<0.5	<0.5	0.42	25
25.05.2026	N010026055	0.22	<0.1	<0.5	<0.5	0.35	25
26.05.2026	N016526055	0.15	<0.1	<0.5	<0.5	0.23	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.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 : 04.06.2026
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)
06.05.2026	N014726052	14	20	55	30
07.05.2026	N018926052	12	16	50	28
13.05.2026	N019826053	11	14	57	33
14.05.2026	N023826053	9	12	55	30
20.05.2026	N018226054	13	18	52	27
21.05.2026	N022726054	10	12	48	24
25.05.2026	N010126055	14	19	58	32
26.05.2026	N016626055	11	13	49	28
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 : 04.06.2026
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)
06.05.2026	N014826052	7	13	51	28
07.05.2026	N019026052	13	17	55	30
13.05.2026	N019926053	9	11	45	22
14.05.2026	N023926053	10	13	53	29
20.05.2026	N018326054	12	16	40	24
21.05.2026	N022826054	10	14	56	31
25.05.2026	N010226055	9	11	50	27
26.05.2026	N016726055	9	10	44	25
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 : May, 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.	7	9	31	17	7	10	36	18	6	11	31	18
10%	8	10	37	18	8	11	38	19	7	11	34	19
25%	9	12	40	19	9	12	45	21	9	12	41	19
50%	10	15	46	22	11	15	50	27	9	12	47	25
75%	10	15	48	24	12	18	52	28	10	16	49	26
98%	12	16	50	27	13	19	56	32	11	20	54	28
Max.	12	16	50	27	13	19	56	32	11	20	54	28
Avg.	10	13	44	22	11	15	48	25	9	14	45	23
SD	2	3	6	3	2	3	7	5	2	3	8	4
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	11	38	19	7	10	30	17
10%	8	12	39	20	7	11	34	18
25%	10	13	39	20	8	14	37	19
50%	11	14	47	23	9	15	43	22
75%	12	16	49	24	11	16	53	25
98%	13	17	50	26	15	18	56	27
Max.	13	17	50	26	15	18	56	27
Avg.	11	14	45	23	10	15	44	22
SD	2	2	5	3	3	3	10	4
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	: 14.05.2026
Date of sample receipt	: 15.05.2026
Report No	: M003826053
Issue Date	: 04.06.2026
Ref	: *Environmental (P) Rules, 1986 SCHEDULE VI*

Sl. No.	Parameters	Sample code: W1 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	22	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	7.26	5.5 to 9.0	IS 3025 (P-11) 2022
5	Temperature ^{o} C	25	Shall not exceed 5^{0}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^{0}C] (mg/l), Max	<3.0	30	IS 3025 (Part 44) 2023
12	COD (mg/l), Max	28	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	3.5	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	: 14.05.2026
Date of sample receipt	: 15.05.2026
Issue Date	: 04.06.2026
Ref	: Environmental (P) Rules, 1986 SCHEDULE VI

Sl. No.	Report No / Sample code / Parameters	M003926053 / W2	- / W3	Standards For Effluent Discharge of Environmental Pollutants	Method of Testing
		Results			
1	Colour (Hazen Units), & Odour	5	No Runoff	--	IS:3025 (part-4)
2	Suspended Solids (mg/l), Max	19		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	7.29		5.5 to 9.0	IS 3025 (P-11) 2022
5	Temperature ° C	25		Shall not exceed 5^0 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 27^0C] (mg/l), Max	<3.0		30	IS 3025 (Part 44) 2023
12	COD (mg/l), Max	20		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	3.1		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	: 14.05.2026
Date of sample receipt	: 15.05.2026
Issue Date	: 04.06.2026

Ref : IS : 2296 Water Quality Standards

Sl. No.	Report No	M004026053	M004126053	M004226053	Limits	Method of Testing
	Sample Code	SW1	SW2	SW3		
	Parameters	Results				
1	Colour (Hazen Units)	5	5	5	300	IS 3025 (Part 4) 2021
2	pH	7.88	7.64	7.18	6.5 to 8.5	IS 3025 (Part 11) 2022
3	Dissolved Oxygen (as O_2), mg/l	5.80	5.50	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)	96	110	118	5000	IS 15185 2016 RA 2021
6	Total Dissolved Solids, (mg/l)	200	408	244	1500	IS 3025 (Part 16) 2023
7	Chloride (as Cl),mg/l	80.0	180.0	100.0	600	IS 3025 (Part 32) :1988 RA 2019
8	Sulphates as SO_4 (mg/l)	30.0	60.0	45.0	400	APHA (24th Edition):4110B
9	Nitrates (as NO_3),mg/l	2.00	5.00	2.70	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.

"END OF REPORT"

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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	: 14.05.2026
Date of sample receipt	: 15.05.2026
Report no	: M004326053
Issue Date	: 04.06.2026
Ref	:Schedule -1 Sl.No-2 of CTO

Sl. No.	Sample code / Parameters	STP1 Results	Standards	Method of Testing
1	pH	7.12	-	IS 3025 (P-11) 2022
2	Biochemical Oxygen Demand BOD_3 27^0 C, mg/l	23	<100	IS 3025 (Part 44) 2023
3	Total Suspended Solids, at 105^0C, mg/l	25	<100	IS 3025 (P-17) 2022

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