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	July -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	: 04.08.2026

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	July, 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

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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 : 04.08.2026
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
10.07.2026	N025726072	7	11	45	25	<20	<1
11.07.2026	N004726073	11	12	35	18	<20	<1
13.07.2026	N008626073	8	11	40	21	<20	<1
14.07.2026	N012126073	7	9	48	26	<20	<1
20.07.2026	N007626074	9	10	42	23	<20	<1
21.07.2026	N010826074	4	9	44	20	<20	<1
27.07.2026	N014226075	5	9	39	19	<20	<1
28.07.2026	N022826075	7	10	33	18	<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
10.07.2026	N025726072	0.15	<0.1	<0.5	<0.5	0.23	22
11.07.2026	N004726073	<0.1	<0.1	<0.5	<0.5	0.20	24
13.07.2026	N008626073	0.15	<0.1	<0.5	<0.5	<0.2	20
14.07.2026	N012126073	0.21	<0.1	<0.5	<0.5	0.25	<20
20.07.2026	N007626074	0.25	<0.1	<0.5	<0.5	0.23	21
21.07.2026	N010826074	0.18	<0.1	<0.5	<0.5	<0.2	20
27.07.2026	N014226075	0.13	<0.1	<0.5	<0.5	0.22	22
28.07.2026	N022826075	0.11	<0.1	<0.5	<0.5	0.21	21
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 : 04.08.2026
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
10.07.2026	N025826072	6	9	36	18	<20	<1
11.07.2026	N004826073	9	14	48	26	<20	<1
13.07.2026	N008726073	7	9	50	28	<20	<1
14.07.2026	N012226073	6	13	36	19	<20	<1
20.07.2026	N007726074	9	11	40	24	<20	<1
21.07.2026	N010926074	5	10	38	18	<20	<1
27.07.2026	N014326075	7	11	42	23	<20	<1
28.07.2026	N022926075	11	13	53	27	<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
10.07.2026	N025826072	0.16	<0.1	<0.5	<0.5	0.24	20
11.07.2026	N004826073	0.18	<0.1	<0.5	<0.5	0.22	23
13.07.2026	N008726073	0.22	<0.1	<0.5	<0.5	0.20	<20
14.07.2026	N012226073	0.16	<0.1	<0.5	<0.5	0.23	22
20.07.2026	N007726074	0.17	<0.1	<0.5	<0.5	0.25	25
21.07.2026	N010926074	0.12	<0.1	<0.5	<0.5	0.22	23
27.07.2026	N014326075	0.11	<0.1	<0.5	<0.5	0.21	20
28.07.2026	N022926075	0.15	<0.1	<0.5	<0.5	0.24	27
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 : 04.08.2026
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
10.07.2026	N025926072	9	13	51	27	<20	<1
11.07.2026	N004926073	11	15	40	23	<20	<1
13.07.2026	N008826073	15	16	44	25	<20	<1
14.07.2026	N012326073	12	13	38	18	<20	<1
20.07.2026	N007826074	7	9	45	29	<20	<1
21.07.2026	N011026074	10	12	38	18	<20	<1
27.07.2026	N014426075	12	12	47	27	<20	<1
28.07.2026	N023026075	14	16	49	30	<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
10.07.2026	N025926072	0.18	<0.1	<0.5	<0.5	0.22	23
11.07.2026	N004926073	0.13	<0.1	<0.5	<0.5	0.24	25
13.07.2026	N008826073	0.20	<0.1	<0.5	<0.5	0.20	22
14.07.2026	N012326073	0.14	<0.1	<0.5	<0.5	0.24	23
20.07.2026	N007826074	0.16	<0.1	<0.5	<0.5	0.21	20
21.07.2026	N011026074	0.11	<0.1	<0.5	<0.5	0.20	22
27.07.2026	N014426075	0.18	<0.1	<0.5	<0.5	0.22	20
28.07.2026	N023026075	0.20	<0.1	<0.5	<0.5	<0.2	21
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 : 04.08.2026
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
10.07.2026	N026026072	11	12	35	21	<20	<1
11.07.2026	N005026073	10	11	45	23	<20	<1
13.07.2026	N008926073	10	14	40	26	<20	<1
14.07.2026	N012426073	9	11	34	22	<20	<1
20.07.2026	N007926074	9	11	29	17	<20	<1
21.07.2026	N011126074	11	14	37	19	<20	<1
27.07.2026	N014526075	11	12	38	21	<20	<1
28.07.2026	N023126075	7	11	46	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/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
10.07.2026	N026026072	0.13	<0.1	<0.5	<0.5	0.21	24
11.07.2026	N005026073	0.17	<0.1	<0.5	<0.5	0.25	23
13.07.2026	N008926073	0.13	<0.1	<0.5	<0.5	0.20	26
14.07.2026	N012426073	0.19	<0.1	<0.5	<0.5	<0.2	20
20.07.2026	N007926074	0.17	<0.1	<0.5	<0.5	0.26	28
21.07.2026	N011126074	0.11	<0.1	<0.5	<0.5	0.24	22
27.07.2026	N014526075	0.16	<0.1	<0.5	<0.5	0.22	24
28.07.2026	N023126075	0.13	<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. 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 : 04.08.2026
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
08.07.2026	N017226072	10	14	30	18	<20	<1
09.07.2026	N020726072	9	11	43	23	<20	<1
15.07.2026	N017226073	7	9	40	20	<20	<1
16.07.2026	N021026073	10	11	36	19	<20	<1
22.07.2026	N014026074	9	10	43	24	<20	<1
23.07.2026	N016926074	10	13	27	16	<20	<1
29.07.2026	N026226075	7	9	39	24	<20	<1
30.07.2026	N029826075	9	11	40	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/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
08.07.2026	N017226072	0.18	<0.1	<0.5	<0.5	0.23	23
09.07.2026	N020726072	0.16	<0.1	<0.5	<0.5	0.28	25
15.07.2026	N017226073	0.13	<0.1	<0.5	<0.5	0.21	<20
16.07.2026	N021026073	0.22	<0.1	<0.5	<0.5	<0.2	24
22.07.2026	N014026074	0.25	<0.1	<0.5	<0.5	0.21	28
23.07.2026	N016926074	0.16	<0.1	<0.5	<0.5	0.25	24
29.07.2026	N026226075	0.23	<0.1	<0.5	<0.5	0.22	24
30.07.2026	N029826075	0.28	<0.1	<0.5	<0.5	0.26	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 : 04.08.2026
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)
08.07.2026	N017326072	5	9	28	15
09.07.2026	N020826072	6	9	38	18
15.07.2026	N017326073	9	11	40	26
16.07.2026	N021126073	6	9	35	18
22.07.2026	N014126074	10	13	32	16
23.07.2026	N017026074	8	10	39	19
29.07.2026	N026326075	6	9	46	24
30.07.2026	N029926075	10	11	43	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 : 04.08.2026
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)
08.07.2026	N017426072	4	9	36	23
09.07.2026	N020926072	7	9	40	32
15.07.2026	N017426073	9	10	33	17
16.07.2026	N021226073	10	12	47	25
22.07.2026	N014226074	8	9	44	25
23.07.2026	N017126074	10	11	43	22
29.07.2026	N026426075	6	9	45	24
30.07.2026	N030026075	9	10	47	23
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 : July, 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.	4	9	33	18	5	9	36	18	7	9	38	18
10%	5	9	34	18	6	9	36	18	8	11	38	18
25%	7	9	38	19	6	10	38	19	10	12	40	22
50%	7	10	41	21	7	11	41	24	12	13	45	26
75%	8	11	44	24	9	13	49	26	13	15	48	28
98%	11	12	48	26	11	14	53	28	15	16	51	30
Max.	11	12	48	26	11	14	53	28	15	16	51	30
Avg.	7	10	41	21	8	11	43	23	11	13	44	25
SD	2	1	5	3	2	2	7	4	3	2	5	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.	7	11	29	17	7	9	27	16
10%	8	11	33	18	7	9	29	17
25%	9	11	35	21	9	10	35	19
50%	10	12	38	22	9	11	40	21
75%	11	13	41	22	10	12	41	23
98%	11	14	46	26	10	14	43	24
Max.	11	14	46	26	10	14	43	24
Avg.	10	12	38	21	9	11	37	21
SD	1	1	6	3	1	2	6	3
No. of obs	8				8			

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TEST REPORT

Table No. 10

NOISE LEVEL DATA

Report No ; ELMES0260726

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
Particulars of sample collected	: Sound Levels
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Issue Date	: 04.08.2026
Sampling & Test Method	: IS:9989

Code No.	Monitoring stations	Date of Monitoring	Day L_{eq}	Night L_{eq}
	Bufferzone			
N1	Redi village	08.07.2026	49.2	37.6
N2	Gaontala village	08.07.2026	47.2	36.5
N3	Kanyalwadi village	08.07.2026	48.2	37.8
N4	Shiroda village	09.07.2026	46.2	36.2
N5	Tiroda village	09.07.2026	47.8	35.2
	Permissible Limits of Ambient Noise Levels as per CPCB Guidelines		Leq. Limit dB(A) Day	Night
	Residential area		55	45
Code No.	**Monitoring stations**	**Date of Monitoring**	**Day L_{eq}**	**Night L_{eq}**
	Bufferzone			
N6	Near NIMCO Gate - Tivrewadi, Redi village	10.07.2026	53.2	46.5
N7	Near Primary School - sakalbhatwadi, Redi village	10.07.2026	50.1	44.2
	Permissible Limits of Ambient Noise Levels as per CPCB Guidelines		Leq. Limit dB(A) Day	Night
	Commerecial area		65	55
Code No.	**Monitoring stations**	**Date of Monitoring**	**Day L_{eq}**	**Night L_{eq}**
	Corezone			
N8	Near Mine office	10.07.2026	53.7	47.2
	Permissible Limits of Ambient Noise Levels as per CPCB Guidelines		Leq. Limit dB(A) Day	Night
	Industrial areas		75	70

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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.
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	: 09.07.2026
Date of sample receipt	: 10.07.2026
Report No	: M005726072
Issue Date	: 04.08.2026
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	25	--	IS 3025 (part-4)
2	Suspended Solids (mg/l), Max	10	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	6.96	5.5 to 9.0	IS 3025 (P-11) 2022
5	Temperature ° C	25.8	Shall not exceed 5°C above the receiving water temp	IS 3025 (Part 9) 2023
6	Oil & Grease (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	12	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	<0.1	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	0.11	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	2.7	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.
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	: 09.07.2026
Date of sample receipt	: 10.07.2026
Issue Date	: 04.08.2026
Ref	: Environmental (P) Rules, 1986 SCHEDULE VI

Sl. No.	Report No / Sample code / Parameters	-	M005826072	Standards For Effluent Discharge of Environmental Pollutants	Method of Testing
		W2	W3		
		Results			
1	Colour (Hazen Units), & Odour	No Pit Discharge	15	--	IS 3025 (part-4)
2	Suspended Solids (mg/l), Max		36	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		7.12	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 & Grease (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		5.5	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		<0.1	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		1.2	10	IS 3025 (P-34) 1988 RA 2019

""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)
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	: 09.07.2026
Date of sample receipt	: 10.07.2026
Issue Date	: 04.08.2026

Ref : IS : 2296 Water Quality Standards

Sl. No.	Report No	M005926072	M006026072	M006126072	Limits	Method of Testing
	Sample Code	SW1	SW2	SW3		
	Parameters	Results				
1	Colour (Hazen Units)	5	5	1	300	IS 3025 (Part 4) 2021
2	pH	7.17	6.96	6.60	6.5 to 8.5	IS 3025 (Part 11) 2022
3	Dissolved Oxygen (as O_2), mg/l	5.60	5.20	5.80	Min 4	IS 3025 (Part 38):1989 RA 2019
4	Biochemical Oxygen Demand (as O_2), mg/l	<3.0	<3.0	<3.0	Max 3	IS 3025 (Part 44) 2023
5	Total Coliform (MPN/100ml)	117	101	96	5000	IS 15185 2016 RA 2021
6	Total Dissolved Solids, (mg/l)	207	362	300	1500	IS 3025 (Part 16) 2023
7	Chloride (as Cl),mg/l	60.66	132.08	105.66	600	IS 3025 (Part 32) :1988 RA 2019
8	Sulphates as SO_4 (mg/l)	49.86	84.37	27.73	400	APHA (24th Edition):4110B
9	Nitrates (as NO_3),mg/l	0.10	0.47	0.43	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. 14

Name of the Client	: M/s. Gogte Minerals
Name of the Project	: Redi Iron Ore Mine (203)
Location	: Redi village , Vengurla taluka, Sindhudurg dist, MH
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Nature of Sample	: Ground Water
Sample Location	: GW1 - Tiroda village open well, GW2 - Redi village open well
Date of sample collection	: 09.07.2026
Date of sample receipt	: 10.07.2026
Issue Date	: 04.08.2026

Ref : IS:10500-2012 Norms Amendment - 4 (Drinking Water Standards)

Report No		M006326072	M006426072			
Sl. No.	Parameters	Results		Desirable Limits	Permissible Limits	Method of Testing
		GW1	GW2			
1	Colour (Hazen Units)	1	1	5	15	IS 3025 (Part 4) 2021
2	Odour	Agreeable	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5) 2018
3	pH Value	6.52	7.02	6.5 to 8.5	6.5 - 8.5	IS 3025 (Part 11) 2022
4	Taste	Agreeable	Agreeable	Agreeable	Agreeable	IS 3025 (Part 8) 2023
5	Turbiddy,NTU	0.4	0.2	1	5	IS 3025 (Part 10) 2023
6	Total Dissolved Solids,mg/l	37.0	262.0	500	2000	IS 3025 (Part 16) 2023
7	Aluminium (as Al)	<0.005	<0.005	0.03	0.2	IS 3025 (Part 65) 2022
8	Ammonia (as total Ammonia -N),mg/l	<0.1	<0.1	0.5	0.5	IS 3025 (Part 34) Sec 1 2023
9	Anionic Detergents (as MBAS),mg/l	<0.1	<0.1	0.2	1.0	IS 3025 (Part 68) 2023
10	Barium (as Ba), mg/l	<0.005	<0.005	0.7	0.7	IS 3025 (Part 65) 2022
11	Boron (as B), mg/l	<0.1	<0.1	0.5	2.4	IS 3025 (Part 57) 2021
12	Calcium (as Ca),mg/l	4.0	21.1	75	200	IS 3025 (Part 40) 2021
13	Chloramines as C12	<0.1	<0.1	4	4	Clause 6.1 of IS 3025 (Part 26) 2021
14	Chloride as Cl (mg/l)	10.00	53.32	250	1000	IS 3025 (Part32) 1988 RA 2019
15	Copper (as Cu),mg/l	<0.0005	<0.0005	0.05	1.5	IS 3025 (Part 65) 2022
16	Fluoride (as F),mg/l	<0.1	<0.1	1	1.5	IS 3025 (Part 60) Sec1 2022
17	Residual, Free Chlorine,mg/l	<0.1	<0.1	0.2	1	IS 3025 (Part 26) 2021
18	Iron (as Fe),mg/l	<0.005	<0.005	1.0	1.0	IS 3025 (Part 65) 2022
19	Magnesium (as Mg)mg/l	1.96	8.83	30	100	IS 3025 (Part 46) 2023
20	Manganese (as Mn),mg/l	<0.001	<0.001	0.1	0.3	IS 3025 (Part 65) 2022
21	Mineral Oil,mg/l	<0.5	<0.5	1.0	1.0	IS 3025 (Part 39) 2021
22	Nitrates (as NO_3),mg/l	0.35	0.70	45	45	IS 3025 (Part 34) Sec 1 2023
23	Phenolics (as C_6H_5OH),mg/l	<0.001	<0.001	0.001	0.002	IS 3025 (Part 43/Sec1) 2022
24	Selenium (as Se),mg/l	<0.0005	<0.0005	0.01	0.01	IS 3025 (Part 65) 2022
25	Silver (as Ag), mg/l	<0.005	<0.005	0.1	0.1	IS 3025 (Part 65) 2022
26	Sulphate (as SO_4),mg/l	3.64	70.00	200	400	IS 3025 (Part 24/Sec1) 2022
27	Sulphide (as H_2S) , mg/l	<0.01	<0.01	0.05	0.05	IS 3025 (Part 29) 2022
28	Total Alkalinity (as $CaCO_3$) mg/l	10.1	60.6	200	600	IS 3025 Part(23) 2023
29	Total Hardness (as $CaCO_3$),mg/l	18.2	88.9	200	600	IS 3025 (Part 21) :2009 RA 2023
30	Zinc (as Zn),mg/l	<0.005	<0.005	5	15	IS 3025 (Part 65) 2022
31	Cadmium (as Cd),mg/l	<0.0005	<0.0005	0.003	0.003	IS 3025 (Part 65) 2022
32	Cyanide (as CN),mg/l	<0.01	<0.01	0.05	0.05	IS 3025 (Part 27/Sec1) 2021
33	Lead (as Pb),mg/l	<0.0005	<0.0005	0.01	0.01	IS 3025 (Part 65) 2022
34	Mercury (as Hg),mg/l	<0.0005	<0.0005	0.001	0.001	IS 3025 (Part 65) 2022
35	Molybdenum (as Mo), mg/l	<0.0005	<0.0005	0.07	0.07	IS 3025 (Part 65) 2022
36	Nickel (as Ni),mg/l	<0.01	<0.01	0.02	0.02	IS 3025 (Part 65) 2022
37	Arsenic (as As),mg/l	<0.0005	<0.0005	0.01	0.01	IS 3025 (Part 65) 2022
38	Total Chromium (as Cr),mg/l	<0.001	<0.001	0.05	0.05	IS 3025 (Part 65) 2022
39	Eschenchia coli/100ml	Not Detected	Not Detected	Shall not be detectable in any 100ml Sample		IS 15185 2016 RA 2021
40	Total Coliform /100ml)	Not Detected	Not Detected			IS 15185 2016 RA 2021
41	Electrical Conductvity (µmhos/cm)	77.0	457.0	--	--	IS 3025 (Part 14) : 2013 RA 2023
42	Water levels in well from surface (m)	4.95	3.10	--	--	IS 15896 2011

"END OF REPORT"

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TEST REPORT

Table No. 15

Name of the Client	: M/s. Gogte Minerals
Name of the Project	: Redi Iron Ore Mine (203)
Location	: Redi village , Vengurla taluka, Sindhudurg dist, MH
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Nature of Sample	: Ground Water
Sample Location	: GW3 -Shiroda village open well, GW4 - Kanyalwadi village open well,
Date of sample collection	: 09.07.2026
Date of sample receipt	: 10.07.2026
Issue Date	: 04.08.2026

Ref : IS:10500-2012 Norms Amendment - 4 (Drinking Water Standards)

Report No		M006826072	M006826072	Desirable Limts	Permissible Limts	Method of Testing
Sl. No.	Parameters	Results				
		GW3	GW4			
1	Colour (Hazen Units)	1	1	5	15	IS 3025 (Part 4) 2021
2	Odour	Agreeable	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5) 2018
3	pH Value	7.38	6.62	6.5 to 8.5	6.5 - 8.5	IS 3025 (Part 11) 2022
4	Taste	Agreeable	Agreeable	Agreeable	Agreeable	IS 3025 (Part 8) 2023
5	Turbidity,NTU	0.1	0.5	1	5	IS 3025 (Part 10) 2023
6	Total Dissolved Solids,mg/l	221.0	206.0	500	2000	IS 3025 (Part 16) 2023
7	Aluminium (as Al)	<0.005	<0.005	0.03	0.2	IS 3025 (Part 65) 2022
8	Ammonia (as total Ammonia -N),mg/l	<0.1	<0.1	0.5	0.5	IS 3025 (Part 34) Sec 1 2023
9	Anionic Detergents (as MBAS),mg/l	<0.1	<0.1	0.2	1.0	IS 3025 (Part 68) 2023
10	Barium (as Ba), mg/l	<0.005	<0.005	0.7	0.7	IS 3025 (Part 65) 2022
11	Boron (as B), mg/l	<0.1	<0.1	0.5	2.4	IS 3025 (Part 57) 2021
12	Calcium (as Ca),mg/l	41.29	11.33	75	200	IS 3025 (Part 40) 2021
13	Chloramines as C12	<0.1	<0.1	4	4	Clause 6.1 of IS 3025 (Part 26) 2021
14	Chloride as Cl (mg/l)	33.8	80.2	250	1000	IS 3025 (Part32): 1988 RA 2019
16	Copper (as Cu),mg/l	<0.0005	<0.0005	0.05	1.5	IS 3025 (Part 65) 2022
17	Fluoride (as F),mg/l	0.13	<0.1	1	1.5	IS 3025 (Part 60) Sec1 2022
19	Residual, Free Chlorine,mg/l	<0.1	<0.1	0.2	1	IS 3025 (Part 26) 2021
20	Iron (as Fe),mg/l	<0.005	<0.005	1.0	1.0	IS 3025 (Part 65) 2022
21	Magnesium (as Mg)mg/l	3.43	4.41	30	100	IS 3025 (Part 46) 2023
22	Manganese (as Mn),mg/l	<0.001	<0.001	0.1	0.3	IS 3025 (Part 65) 2022
23	Mineral Oil,mg/l	<0.5	<0.5	1.0	1.0	IS 3025 (Part 39) 2021
24	Nitrates (as NO_3),mg/l	6.53	0.93	45	45	IS 3025 (Part 34) Sec 1 2023
25	Phenolics (as C_6H_5OH),mg/l	<0.001	<0.001	0.001	0.002	IS 3025 (Part 43/Sec1) 2022
26	Selenium (as Se),mg/l	<0.0005	<0.0005	0.01	0.01	IS 3025 (Part 65) 2022
27	Silver (as Ag), mg/l	<0.005	<0.005	0.1	0.1	IS 3025 (Part 65) 2022
28	Sulphate (as SO_4),mg/l	43.87	16.00	200	400	IS 3025 (Part 24/Sec1) 2022
29	Sulphide (as H_2S) , mg/l	<0.01	<0.01	0.05	0.05	IS 3025 (Part 29) 2022
30	Total Alkalinity (as $CaCO_3$) mg/l	51.5	30.0	200	600	IS 3025 Part(23) 2023
31	Total Hardness (as $CaCO_3$),mg/l	117.2	46.5	200	600	IS 3025 (Part 21) :2009 RA 2023
32	Zinc (as Zn),mg/l	<0.005	<0.005	5	15	IS 3025 (Part 65) 2022
33	Cadmium (as Cd),mg/l	<0.0005	<0.0005	0.003	0.003	IS 3025 (Part 65) 2022
34	Cyanide (as CN),mg/l	<0.01	<0.01	0.05	0.05	IS 3025 (Part 27/Sec1) 2021
35	Lead (as Pb),mg/l	<0.0005	<0.0005	0.01	0.01	IS 3025 (Part 65) 2022
36	Mercury (as Hg),mg/l	<0.0005	<0.0005	0.001	0.001	IS 3025 (Part 65) 2022
37	Molybdenum (as Mo), mg/l	<0.0005	<0.0005	0.07	0.07	IS 3025 (Part 65) 2022
38	Nickel (as Ni),mg/l	<0.01	<0.01	0.02	0.02	IS 3025 (Part 65) 2022
39	Arsenic (as As),mg/l	<0.0005	<0.0005	0.01	0.01	IS 3025 (Part 65) 2022
40	Total Chromium (as Cr),mg/l	<0.001	<0.001	0.05	0.05	IS 3025 (Part 65) 2022
41	Escherichia coli/100ml	Not Detected	Not Detected	Shall not be detectable in any		IS 15185 2016 RA 2021
42	Total Coliform /100ml)	Not Detected	Not Detected	100ml Sample		IS 15185 2016 RA 2021
43	Electrical Conductivity (µmhos/cm)	396.0	368.0	–	–	IS 3025 (Part 14) : 2013 RA 2023
42	Water levels in well from surface (m)	0.75	0.50	–	–	IS 15896 2011

"END OF REPORT"

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(UNIT OF MINERAL ENGINEERING SERVICES LLP)

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TEST REPORT

Table No. 16

Name of the Client	: M/s. Gogte Minerals
Name of the Project	: Redi Iron Ore Mine (203)
Location	: Redi village , Vengurla taluka, Sindhudurg dist, MH
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Nature of Sample	: Ground Water
Sample Location	: GW5 - Gaontala village open well, GW6 -Tap water (near mines office)
Date of sample collection	: 09.07.2026
Date of sample receipt	: 10.07.2026
Issue Date	: 04.08.2026

Ref : IS:10500-2012 Norms Amendment - 4 (Drinking Water Standards)

Sl. No.	Parameters	Report No	M006726072	M006826072	Desirable Limits	Permissible Limits	Method of Testing
			Results				
			GW5	GW6			
1	Colour (Hazen Units)		1	1	5	15	IS 3025 (Part 4) 2021
2	Odour		Agreeable	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5) 2018
3	pH Value		6.52	6.57	6.5 to 8.5	6.5 - 8.5	IS 3025 (Part 11) 2022
4	Taste		Agreeable	Agreeable	Agreeable	Agreeable	IS 3025 (Part 8) 2023
5	Turbidity,NTU		0.5	0.8	1	5	IS 3025 (Part 10) 2023
6	Total Dissolved Solids,mg/l		59.0	86.0	500	2000	IS 3025 (Part 16) 2023
7	Aluminium (as Al)		<0.005	<0.005	0.03	0.2	IS 3025 (Part 65) 2022
8	Ammonia (as total Ammonia -N),mg/l		<0.1	<0.1	0.5	0.5	IS 3025 (Part 34) Sec 1 2023
9	Anionic Detergents (as MBAS),mg/l		<0.1	<0.1	0.2	1.0	IS 3025 (Part 68) 2023
10	Barium (as Ba), mg/l		<0.005	<0.005	0.7	0.7	IS 3025 (Part 65) 2022
11	Boron (as B), mg/l		<0.1	<0.1	0.5	2.4	IS 3025 (Part 57) 2021
12	Calcium (as Ca),mg/l		5.66	6.41	75	200	IS 3025 (Part 40) 2021
13	Chloramines as C12		<0.1	<0.1	4	4	Clause 6.1 of IS 3025 (Part 26) 2021
14	Chloride as Cl (mg/l)		21.5	30.0	250	1000	IS 3025 (Part32):1988 RA 2019
16	Copper (as Cu),mg/l		<0.0005	<0.0005	0.05	1.5	IS 3025 (Part 65) 2022
17	Fluoride (as F),mg/l		<0.1	<0.1	1	1.5	IS 3025 (Part 60) Sec1 2022
19	Residual, Free Chlorine,mg/l		<0.1	<0.1	0.2	1	IS 3025 (Part 26) 2021
20	Iron (as Fe),mg/l		<0.005	<0.005	1.0	1.0	IS 3025 (Part 65) 2022
21	Magnesium (as Mg)mg/l		2.94	3.40	30	100	IS 3025 (Part 46) 2023
22	Manganese (as Mn),mg/l		<0.001	<0.001	0.1	0.3	IS 3025 (Part 65) 2022
23	Mineral Oil,mg/l		<0.5	<0.5	1.0	1.0	IS 3025 (Part 39) 2021
24	Nitrates (as NO_3),mg/l		4.49	4.00	45	45	IS 3025 (Part 34) Sec 1 2023
25	Phenolics (as C_6H_5OH),mg/l		<0.001	<0.001	0.001	0.002	IS 3025 (Part 43/Sec1) 2022
26	Selenium (as Se),mg/l		<0.0005	<0.0005	0.01	0.01	IS 3025 (Part 65) 2022
27	Silver (as Ag), mg/l		<0.005	<0.005	0.1	0.1	IS 3025 (Part 65) 2022
28	Sulphate (as SO_4),mg/l		24.65	12.00	200	400	IS 3025 (Part 24/Sec1) 2022
29	Sulphide (as H_2S) , mg/l		<0.01	<0.01	0.05	0.05	IS 3025 (Part 29) 2022
30	Total Alkalinity (as $CaCO_3$) mg/l		20.0	20.0	200	600	IS 3025 Part(23) 2023
31	Total Hardness (as $CaCO_3$),mg/l		26.3	30.0	200	600	IS 3025 (Part 21) :2009 RA 2023
32	Zinc (as Zn),mg/l		<0.005	<0.005	5	15	IS 3025 (Part 65) 2022
33	Cadmium (as Cd),mg/l		<0.0005	<0.0005	0.003	0.003	IS 3025 (Part 65) 2022
34	Cyanide (as CN),mg/l		<0.01	<0.01	0.05	0.05	IS 3025 (Part 27/Sec1) 2021
35	Lead (as Pb),mg/l		<0.0005	<0.0005	0.01	0.01	IS 3025 (Part 65) 2022
36	Mercury (as Hg),mg/l		<0.0005	<0.0005	0.001	0.001	IS 3025 (Part 65) 2022
37	Molybdenum (as Mo), mg/l		<0.0005	<0.0005	0.07	0.07	IS 3025 (Part 65) 2022
38	Nickel (as Ni),mg/l		<0.01	<0.01	0.02	0.02	IS 3025 (Part 65) 2022
39	Arsenic (as As),mg/l		<0.0005	<0.0005	0.01	0.01	IS 3025 (Part 65) 2022
40	Total Chromium (as Cr),mg/l		<0.001	<0.001	0.05	0.05	IS 3025 (Part 65) 2022
41	Escherichia coli/100ml		Not Detected	Not Detected	Shall not be detectable in any 100ml Sample		IS 15185 2016 RA 2021
42	Total Coliform /100ml)		Not Detected	Not Detected			IS 15185 2016 RA 2021
43	Electrical Conductvity (µmhos/cm)		178.0	160.0	–	–	IS 3025 (Part 14) : 2013 RA 2023
42	Water levels in well from surface (m)		7.60	--	–	–	IS 15896 2011

"END OF REPORT"

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TEST REPORT

Table No. 17

Name of the Client	: M/s. Gogte Minerals
Name of the Project	: Redi Iron Ore Mine (203)
Location	: Redi village , Vengurla taluka, Sindhudurg dist, MH
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Nature of Sample	: Ground Water
Sample Location	: GW7 - Kanyalwadi village Bore well water,
Date of sample collection	: 09.07.2026
Date of sample receipt	: 10.07.2026
Issue Date	: 04.08.2026

Ref : IS:10500-2012 Norms Amendment - 4 (Drinking Water Standards)

Report No		M005726073			
Sl. No.	Parameters	Results GW7	Desirable Limts	Permissible Limts	Method of Testing
1	Colour (Hazen Units)	1	5	15	IS 3025 (Part 4) 2021
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5) 2018
3	pH Value	6.54	6.5 to 8.5	6.5 - 8.5	IS 3025 (Part 11) 2022
4	Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part 8) 2023
5	Turbidity,NTU	0.6	1	5	IS 3025 (Part 10) 2023
6	Total Dissolved Solids,mg/l	376.0	500	2000	IS 3025 (Part 16) 2023
7	Aluminium (as Al)	<0.005	0.03	0.2	IS 3025 (Part 65) 2022
8	Ammonia (as total Ammonia -N),mg/l	<0.1	0.5	0.5	IS 3025 (Part 34) Sec 1 2023
9	Anionic Detergents (as MBAS),mg/l	<0.1	0.2	1.0	IS 3025 (Part 88) 2023
10	Barium (as Ba), mg/l	<0.005	0.7	0.7	IS 3025 (Part 65) 2022
11	Boron (as B), mg/l	<0.1	0.5	2.4	IS 3025 (Part 57) 2021
12	Calcium (as Ca),mg/l	18.62	75	200	IS 3025 (Part 40) 2021
13	Chloramines as C12	<0.1	4	4	Clause 6.1 of IS 3025 (Part 26) 2021
14	Chloride as Cl (mg/l)	153.1	250	1000	IS 3025 (Part32) 1988 RA 2019
16	Copper (as Cu),mg/l	<0.0005	0.05	1.5	IS 3025 (Part 65) 2022
17	Fluoride (as F),mg/l	<0.1	1	1.5	IS 3025 (Part 60) Sec1 2022
19	Residual, Free Chlorine,mg/l	<0.1	0.2	1	IS 3025 (Part 26) 2021
20	Iron (as Fe),mg/l	<0.005	1.0	1.0	IS 3025 (Part 65) 2022
21	Magnesium (as Mg)mg/l	9.32	30	100	IS 3025 (Part 46) 2023
22	Manganese (as Mn),mg/l	<0.001	0.1	0.3	IS 3025 (Part 65) 2022
23	Mineral Oil,mg/l	<0.5	1.0	1.0	IS 3025 (Part 39) 2021
24	Nitrates (as NO_3),mg/l	0.62	45	45	IS 3025 (Part 34) Sec 1 2023
25	Phenolics (as C_6H_5OH),mg/l	<0.001	0.001	0.002	IS 3025 (Part 43/Sec1) 2022
26	Selenium (as Se),mg/l	<0.0005	0.01	0.01	IS 3025 (Part 65) 2022
27	Silver (as Ag), mg/l	<0.005	0.1	0.1	IS 3025 (Part 65) 2022
28	Sulphate (as SO_4),mg/l	40.00	200	400	IS 3025 (Part 24/Sec1) 2022
29	Sulphide (as H_2S) , mg/l	<0.01	0.05	0.05	IS 3025 (Part 29) 2022
30	Total Alkalinity (as $CaCO_3$) mg/l	40.0	200	600	IS 3025 Part(23) 2023
31	Total Hardness (as $CaCO_3$),mg/l	84.8	200	600	IS 3025 (Part 21) 2009 RA 2023
32	Zinc (as Zn),mg/l	<0.005	5	15	IS 3025 (Part 65) 2022
33	Cadmium (as Cd),mg/l	<0.0005	0.003	0.003	IS 3025 (Part 65) 2022
34	Cyanide (as CN),mg/l	<0.01	0.05	0.05	IS 3025 (Part 27/Sec1) 2021
35	Lead (as Pb),mg/l	<0.0005	0.01	0.01	IS 3025 (Part 65) 2022
36	Mercury (as Hg),mg/l	<0.0005	0.001	0.001	IS 3025 (Part 65) 2022
37	Molybdenum (as Mo), mg/l	<0.0005	0.07	0.07	IS 3025 (Part 65) 2022
38	Nickel (as Ni),mg/l	<0.01	0.02	0.02	IS 3025 (Part 65) 2022
39	Arsenic (as As) mg/l	<0.0005	0.01	0.01	IS 3025 (Part 65) 2022
40	Total Chromium (as Cr),mg/l	<0.001	0.05	0.05	IS 3025 (Part 65) 2022
41	Escherichia coli/100ml	Not Detected	Shall not be detectable in any 100ml Sample		IS 15185 2016 RA 2021
42	Total Coliform /100ml)	Not Detected			IS 15185 2016 RA 2021
43	Electrical Conductvity (µmhos/cm)	635.0	--	--	IS 3025 (Part 14) 2013 RA 2023

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TEST REPORT

Table No. 18

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	: 09.07.2026
Date of sample receipt	: 10.07.2026
Report no	: M006226072
Issue Date	: 04.08.2026
Ref	:Schedule -1 Sl.No-2 of CTO

Sample code		STP1		
Sl. No.	Parameters	Results	Standards	Method of Testing
1	pH	7.11	-	IS 3025 (P-11) 2022
2	Biochemical Oxygen Demand BOD_3 27^0 C, mg/l	22	<100	IS 3025 (Part 44) 2023
3	Total Suspended Solids, at 105^{0}C, mg/l	33	<100	IS 3025 (P-17) 2022

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