

ENVIRONMENTAL MONITORING REPORT

October, 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,

LIST OF TABLES

SL. NO.	PARTICULARS	TABLE NO.
1	Test Report of Ambient Air Quality	1 to 5
2	Analysis Report of Ambient Air Quality (Transportation Route)	6 & 7
3	Statistical Ambient Air Quality Report	8
4	Water Test Report As per GSR-422E	9
5	Water Test Report As per IS 2296	10
6	Water Test Report As per IS 10500	11 to 13
7	Sewage Water Test Report	14



ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory

Recognised by MoEFCC(CPCB) under E(P) Act 1986 recognition valid upto 23.05.2025

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	: 04.11.2024
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
04.10.2024	N/24/10/2-0089	12	14	50	26	<20	<1
05.10.2024	N/24/10/2-0163	9	11	42	26	<20	<1
07.10.2024	N/24/10/2-0222	7	15	53	29	<20	<1
08.10.2024	N/24/10/3-0044	10	12	35	21	<20	<1
18.10.2024	N/24/10/4-0204	7	10	43	24	<20	<1
19.10.2024	N/24/10/4-0267	11	11	55	30	<20	<1
25.10.2024	N/24/10/5-0178	10	12	50	26	<20	<1
26.10.2024	N/24/10/5-0220	11	13	42	24	<20	<1
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	400 24 Hrs	5 Annual

Date of Sampling	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
04.10.2024	N/24/10/2-0089	0.13	<0.1	<0.5	<0.5	0.20	25
05.10.2024	N/24/10/2-0163	0.11	<0.1	<0.5	<0.5	0.28	23
07.10.2024	N/24/10/2-0222	0.13	<0.1	<0.5	<0.5	0.22	22
08.10.2024	N/24/10/3-0044	0.25	<0.1	<0.5	<0.5	0.28	23
18.10.2024	N/24/10/4-0204	0.23	<0.1	<0.5	<0.5	0.25	22
19.10.2024	N/24/10/4-0267	0.22	<0.1	<0.5	<0.5	0.21	23
25.10.2024	N/24/10/5-0178	0.15	<0.1	<0.5	<0.5	0.31	25
26.10.2024	N/24/10/5-0220	0.16	<0.1	<0.5	<0.5	0.32	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

M. Sachin Raju
M.SACHIN RAJU
T.M. - Chemical

Govt. Analyst / Authorised Signatory

948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.
Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory

Recognised by MoEFCC(CPCB) under E(P) Act 1986 recognition valid upto 23.05.2025

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)
 Station at & Code : A2 - Redi village
 Duration : 24 Hrs
 Issue Date : 04.11.2024
 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
04.10.2024	N/24/10/2-0090	9	12	51	26	<20	<1
05.10.2024	N/24/10/2-0164	10	12	36	22	<20	<1
07.10.2024	N/24/10/2-0223	9	12	47	23	<20	<1
08.10.2024	N/24/10/3-0045	12	15	49	18	<20	<1
18.10.2024	N/24/10/4-0205	10	11	51	28	<20	<1
19.10.2024	N/24/10/4-0268	10	12	45	21	<20	<1
25.10.2024	N/24/10/5-0179	11	13	39	20	<20	<1
26.10.2024	N/24/10/5-0221	9	12	54	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
04.10.2024	N/24/10/2-0090	0.19	<0.1	<0.5	<0.5	0.29	22
05.10.2024	N/24/10/2-0164	0.22	<0.1	<0.5	<0.5	0.21	20
07.10.2024	N/24/10/2-0223	0.11	<0.1	<0.5	<0.5	0.23	26
08.10.2024	N/24/10/3-0045	0.18	<0.1	<0.5	<0.5	0.23	25
18.10.2024	N/24/10/4-0205	0.14	<0.1	<0.5	<0.5	0.35	24
19.10.2024	N/24/10/4-0268	0.11	<0.1	<0.5	<0.5	0.26	28
25.10.2024	N/24/10/5-0179	0.17	<0.1	<0.5	<0.5	0.29	23
26.10.2024	N/24/10/5-0221	0.11	<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

M. Sachin Raju
 M.SACHIN RAJU
 T.M. - Chemical

Govt. Analyst / Authorised Signatory

948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.
 Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory

Recognised by MoEFCC(CPCB) under E(P) Act 1986 recognition valid upto 23.05.2025

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)
 Station at & Code : A3 - Shiroda village
 Duration : 24 Hrs
 Issue Date : 04.11.2024
 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
04.10.2024	N/24/10/2-0091	10	11	53	27	<20	<1
05.10.2024	N/24/10/2-0165	6	9	38	18	<20	<1
07.10.2024	N/24/10/2-0224	7	9	47	23	<20	<1
08.10.2024	N/24/10/3-0046	7	10	53	28	<20	<1
18.10.2024	N/24/10/4-0206	11	12	48	26	<20	<1
19.10.2024	N/24/10/4-0269	10	14	47	25	<20	<1
25.10.2024	N/24/10/5-0180	7	10	45	22	<20	<1
26.10.2024	N/24/10/5-0222	9	11	38	22	<20	<1
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	400 24 Hrs	5 Annual

Date of Sampling	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
04.10.2024	N/24/10/2-0091	0.21	<0.1	<0.5	<0.5	0.29	26
05.10.2024	N/24/10/2-0165	0.23	<0.1	<0.5	<0.5	0.21	21
07.10.2024	N/24/10/2-0224	0.16	<0.1	<0.5	<0.5	0.26	29
08.10.2024	N/24/10/3-0046	0.14	<0.1	<0.5	<0.5	0.26	25
18.10.2024	N/24/10/4-0206	0.19	<0.1	<0.5	<0.5	0.26	21
19.10.2024	N/24/10/4-0269	0.16	<0.1	<0.5	<0.5	0.22	25
25.10.2024	N/24/10/5-0180	0.20	<0.1	<0.5	<0.5	0.32	26
26.10.2024	N/24/10/5-0222	0.11	<0.1	<0.5	<0.5	0.28	24
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

M. Sachin Raju
 M.SACHIN RAJU
 T.M. - Chemical

Govt. Analyst / Authorised Signatory

948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.
 Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory

Recognised by MoEFCC(CPCB) under E(P) Act 1986 recognition valid upto 23.05.2025

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)
Station at & Code	: A4 - Gaontala village
Duration	: 24 Hrs
Issue Date	: 04.11.2024
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
04.10.2024	N/24/10/2-0092	11	13	47	24	<20	<1
05.10.2024	N/24/10/2-0166	12	14	51	29	<20	<1
07.10.2024	N/24/10/2-0225	11	14	46	23	<20	<1
08.10.2024	N/24/10/3-0047	11	14	57	28	<20	<1
18.10.2024	N/24/10/4-0207	7	12	45	25	<20	<1
19.10.2024	N/24/10/4-0270	10	16	51	31	<20	<1
25.10.2024	N/24/10/5-0181	6	9	48	21	<20	<1
26.10.2024	N/24/10/5-0223	12	16	46	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
04.10.2024	N/24/10/2-0092	0.15	<0.1	<0.5	<0.5	0.20	20
05.10.2024	N/24/10/2-0166	0.10	<0.1	<0.5	<0.5	0.23	23
07.10.2024	N/24/10/2-0225	0.15	<0.1	<0.5	<0.5	0.30	20
08.10.2024	N/24/10/3-0047	0.21	<0.1	<0.5	<0.5	0.22	21
18.10.2024	N/24/10/4-0207	0.13	<0.1	<0.5	<0.5	0.21	23
19.10.2024	N/24/10/4-0270	0.15	<0.1	<0.5	<0.5	0.26	23
25.10.2024	N/24/10/5-0181	0.11	<0.1	<0.5	<0.5	0.31	23
26.10.2024	N/24/10/5-0223	0.18	<0.1	<0.5	<0.5	0.25	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

M. Sachin Raju
M.SACHIN RAJU
T.M. - Chemical

Govt. Analyst / Authorised Signatory

948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.
Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory

Recognised by MoEFCC(CPCB) under E(P) Act 1986 recognition valid upto 23.05.2025

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 : 04.11.2024
 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
04.10.2024	N/24/10/2-0093	10	12	44	26	<20	<1
05.10.2024	N/24/10/2-0167	9	11	53	28	<20	<1
07.10.2024	N/24/10/2-0226	9	11	40	24	<20	<1
08.10.2024	N/24/10/3-0048	12	15	44	21	<20	<1
18.10.2024	N/24/10/4-0208	6	11	54	29	<20	<1
19.10.2024	N/24/10/4-0271	12	16	47	26	<20	<1
25.10.2024	N/24/10/5-0182	9	12	51	28	<20	<1
26.10.2024	N/24/10/5-0224	6	9	36	20	<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
04.10.2024	N/24/10/2-0093	0.15	<0.1	<0.5	<0.5	0.26	24
05.10.2024	N/24/10/2-0167	0.23	<0.1	<0.5	<0.5	0.35	25
07.10.2024	N/24/10/2-0226	0.15	<0.1	<0.5	<0.5	0.27	25
08.10.2024	N/24/10/3-0048	0.12	<0.1	<0.5	<0.5	0.27	<20
18.10.2024	N/24/10/4-0208	0.13	<0.1	<0.5	<0.5	0.22	25
19.10.2024	N/24/10/4-0271	0.21	<0.1	<0.5	<0.5	0.30	20
25.10.2024	N/24/10/5-0182	0.13	<0.1	<0.5	<0.5	0.23	23
26.10.2024	N/24/10/5-0224	0.18	<0.1	<0.5	<0.5	0.29	26
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

M. Sachin Raju
 M.SACHIN RAJU
 T.M. - Chemical

Govt. Analyst / Authorised Signatory

948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.
 Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory
Recognised by MoEFCC(CPCB) under E(P) Act 1986 recognition valid upto 23.05.2025

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 : 04.11.2024					
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)
04.10.2024	N/24/10/2-0094	7	11	42	24
05.10.2024	N/24/10/2-0168	8	10	47	27
07.10.2024	N/24/10/2-0227	10	16	58	32
08.10.2024	N/24/10/3-0049	8	11	54	23
18.10.2024	N/24/10/4-0209	10	12	50	27
19.10.2024	N/24/10/4-0272	9	11	46	24
25.10.2024	N/24/10/5-0183	7	8	51	27
26.10.2024	N/24/10/5-0225	11	12	32	20
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs

M. Sachin Raju
M.SACHIN RAJU
T.M. - Chemical

Govt. Analyst / Authorised Signatory

948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.
Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory

Recognised by MoEFCC(CPCB) under E(P) Act 1986 recognition valid upto 23.05.2025

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 : 04.11.2024					
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)
04.10.2024	N/24/10/2-0095	7	11	56	28
05.10.2024	N/24/10/2-0169	6	9	21	44
07.10.2024	N/24/10/2-0228	11	12	50	25
08.10.2024	N/24/10/3-0050	6	9	35	18
18.10.2024	N/24/10/4-0210	9	13	45	22
19.10.2024	N/24/10/4-0273	8	12	42	23
25.10.2024	N/24/10/5-0184	11	14	53	28
26.10.2024	N/24/10/5-0226	9	12	47	26
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs

M. Sachin Raju
M.SACHIN RAJU
T.M. - Chemical

Govt. Analyst / Authorised Signatory

948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.
Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory
Recognised by MoEFCC(CPCB) under E(P) Act 1986 recognition valid upto 23.05.2025

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 : October, 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	10	35	21	9	11	36	18	6	9	38	18	
10%	7	11	40	23	9	12	38	19	7	9	38	21	
25%	9	11	42	24	9	12	44	21	7	10	43	22	
50%	10	12	47	26	10	12	48	23	8	11	47	24	
75%	11	13	51	27	10	12	51	27	10	11	49	26	
98%	12	15	55	30	12	15	54	28	11	14	53	28	
Max.	12	15	55	30	12	15	54	28	11	14	53	28	
Avg.	10	12	46	26	10	12	47	23	8	11	46	24	
SD	2	2	7	3	1	1	6	4	2	2	6	3	
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.	6	9	45	21	6	9	36	20					
10%	7	11	46	22	6	10	39	21					
25%	9	13	46	24	8	11	43	23					
50%	11	14	48	27	9	12	46	26					
75%	11	15	51	29	11	13	52	28					
98%	12	16	56	31	12	16	54	29					
Max.	12	16	57	31	12	16	54	29					
Avg.	10	14	49	26	9	12	46	25					
SD	2	2	4	3	2	2	6	3					
No. of obs	8				8								

M. Sachin Raju
M.SACHIN RAJU
T.M. - Chemical

Govt. Analyst / Authorised Signatory

948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.
Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory

Recognised by MoEFCC(CPCB) under E(P) Act 1986 recognition valid upto 23.05.2025

TEST REPORT

Table No. 9
Report No: N022724102

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	: 08.10.2024			
Lab Code	: N/24/10/2-0227			
Issue Date	: 29.10.2024			
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	5	--	IS:3025(part-4) and IS 3025 (Part-5)
2	Suspended Solids (mg/l), Max	8	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	6.12	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 (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	<3	30	IS 3025 (P-44) 2014
12	COD (mg/l), Max	24	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	0.28	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	1200	--	IS 3025(P-18) 2022
35	Chlorides (as Cl), mg/l	260	--	IS 3025 (P-32) 1988 RA2019

***END OF REPORT**

Arshiya Kousar
ARSHIYA KOUSAR
Dy. T.M. - Chemical

Govt. Analyst / Authorised Signatory

948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.

Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory
Recognised by MoEFCC(CPCB) under E(P) Act 1986 recognition valid upto 23.05.2025

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	: 08.10.2024
Issue Date	: 29.10.2024
Ref:IS : 2296, 1982 Class C Norms (Stream Water Standards)	

Sl. No.	Lab Code	N/24/10/2-0228	N/24/10/2-0229	N/24/10/2-0230	Limits For Stream Water Standards	Method of Testing
	Sample Code	SW2	SW3	SW4		
	Parameters	Results				
1	Colour (Hazen Units), Max	5	5	10	300	IS:3025(Part-4)2021
2	pH	6.64	7.08	6.83	6.5 to 8.5	IS:3025(Part-11)2022
3	Dissolved Oxygen (as O ₂), mg/l	6.52	5.5	5.6	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	280	296	30	1500	IS:3025(Part-16)2023
6	Nitrates (as NO ₃),mg/l, Max	8.6	9.0	2.6	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	140.0	145.0	12.0	600	IS:3025(Part-32) ;1988RA2019
10	Fluoride (as F),mg/l, Max	0.35	0.40	<0.1	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	28.0	32.0	4.0	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	480	540	90	5000	IS:1622:1981

"END OF REPORT"

BINU MANI
T.M. - Microbiology

Govt. Analyst / Authorised Signatory

M. SACHIN RAJU
T.M. - Chemical

Govt. Analyst / Authorised Signatory

948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.
Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory
Recognised by MoEFCC(CPCB) under E(P) Act 1986 recognition valid upto 23.05.2025

TEST REPORT

Table No. 11

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 : GW1 - Tiroda village open well, GW2 - Redi village open well
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services)
Date of sample collection : 08.10.2024
Date of sample receipt : 09.10.2024
Issue Date : 29.10.2024
Ref : IS:10500-2012 Norms Amendment - 4 (Drinking Water Standards)

Sl. No.	Parameters	Results		Desirable Limts	Permissible Limts	Method of Testing
		GW1	GW2			
1	Colour (Hazen Units), Max	<1.0	<1.0	5	15	IS:3025 (P-4)02021
2	Odour	Agreeable	Agreeable	Agreeable	Agreeable	IS:3025 (P-5) 2018
3	pH	6.64	7.35	6.5 to 8.5	6.5 - 8.5	IS:3025 (P-11)2022
4	Taste	Agreeable	Agreeable	Agreeable	Agreeable	IS:3025 (P- 8)1984 RA 2017
5	Turbidity,NTU, Max	<0.1	<0.1	1	5	IS:3025 (P-10)1984 RA2017
6	Electrical Conductivity (µmhos/cm)	580.0	300.0	--	--	IS 3025 (P-14)
7	Total Dissolved Solids,mg/l, Max	320.0	162.0	500	2000	IS:3025 (P-16)1984 RA2017
8	Aluminium (as Al), Max	<0.005	<0.005	0.03	0.2	IS:3025 (P-55)2003 RA2019
9	Ammonia (as total Ammonia -N),mg/l, Max	<0.1	<0.1	0.5	0.5	IS:3025 (P-34)1988 RA2019
10	Anionic Detergents (as MBAS),mg/l , Max	<0.1	<0.1	0.2	1.0	IS:3025(Part-68)
11	Barium (as Ba), mg/l, Max	<0.005	<0.005	0.7	0.7	IS:3025(P-2)2019
12	Boron (as B), mg/l, Max	<0.1	<0.1	0.5	2.4	IS:3025 (Part-57) 2021
13	Calcium (as Ca),mg/l, Max	16.00	20.00	75	200	IS:3025 (P-40)1991 RA 2019
14	Copper (as Cu),mg/l, Max	<0.005	<0.005	0.05	1.5	IS:3025 (P-2)2019
15	Chloride as Cl (mg/l),mg/l, Max	110.00	32.00	250	1000	IS:3025 (P-32)1988 RA 2019
16	Fluoride (as F),mg/l, Max	<0.1	0.20	1	1.5	IS:3025 (P-60)2008 RA 2019
17	Residual, Free Chlorine,mg/l, Max	<0.1	<0.1	0.2	1	IS:3025 (P-26)2021
18	Chloramines as C12, Max	<0.1	<0.1	4	4	IS:3025(P-26)2021
19	Iron (as Fe),mg/l, Max	<0.005	<0.005	1.0	1.0	IS:3025 (Part-2)2019
20	Magnesium (as Mg) mg/l, Max	13.40	7.30	30	100	IS:3025 (P-46)1994 RA 2019
21	Manganese (as Mn),mg/l, Max	<0.001	<0.001	0.1	0.3	IS:3025 (P-2)2019
22	Mineral Oil,mg/l, Max	<0.5	<0.5	1.0	1.0	Clause 6 of IS 3025 (P-39) 2021
23	Nitrates (as NO ₃),mg/l, Max	2.7	1.7	45	45	IS:3025 (P-34) 1988 RA 2019
24	Phenolics (as C ₆ H ₅ OH),mg/l, Max	<0.001	<0.001	0.001	0.002	IS:3025 (P-43)Sec 1 2022
25	Selenium (as Se),mg/l, Max	<0.005	<0.005	0.01	0.01	IS:3025(P-2)2019
26	Silver (as Ag), mg/l, Max	<0.005	<0.005	0.1	0.1	IS:3025(P-2)2019
27	Molybdenum (as Mo), mg/l, Max	<0.001	<0.001	0.07	0.07	IS:3025 (P-2)2019
28	Sulphates (as SO ₄),mg/l, Max	26.0	14.4	200	400	IS:3025 (P-24) Sec 1 2022
29	Sulphide (as H ₂ S) , mg/l, Max	<0.01	<0.01	0.05	0.05	IS:3025 (P-29);1986 RA 2019
30	Alkalinity (as CaCO ₃) mg/l, Max	70.0	88.0	200	600	IS:3025 (P-23);1986 RA 2019
31	Total Hardness (as CaCO ₃),mg/l, Max	95.0	80.0	200	600	IS:3025 (P-21);2009 RA 2019
32	Zinc (as Zn),mg/l, Max	<0.005	<0.005	5	15	IS:3025 (P-2) 2019
33	Cadmium (as Cd),mg/l, Max	<0.001	<0.001	0.003	0.003	IS:3025 (P-2)2019
34	Cyanide (as CN),mg/l, Max	<0.01	<0.01	0.05	0.05	IS:3025 (P-27)Sec 1 2021
35	Lead (as Pb),mg/l, Max	<0.005	<0.005	0.01	0.01	IS:3025 (P-2)2019
36	Mercury (as Hg),mg/l, Max	<0.0005	<0.0005	0.001	0.001	USPEA 200.7 Rev 4.4
37	Nickel (as Ni),mg/l, Max	<0.001	<0.001	0.02	0.02	IS:3025 (P-2) 2019
38	Arsenic (as As),mg/l, Max	<0.002	<0.002	0.01	0.01	IS:3025 (P-2)2019
39	Total Chromium (as Cr),mg/l, Max	<0.001	<0.001	0.05	0.05	IS:3025 (P-52)2014
40	Escherichia coli/100ml	Not Detected	Not Detected	Shall not be detectable in		IS:15185:2016 RA 2021
41	Total Coliform /100ml)	Not Detected	Not Detected			IS:15185:2016 RA 2021
42	Water levels in well from surface (m)	5.25	2.90	--	--	--

"END OF REPORT"

BINU MANI
T.M. - Microbiology

Govt. Analyst / Authorised Signatory

M.SACHIN RAJU
T.M. - Chemical

Govt. Analyst / Authorised Signatory

948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.
Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envttest.in



ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory
Recognised by MoEFCC(CPCB) under E(P) Act 1986 recognition valid upto 23.05.2025

TEST REPORT

Table No. 12

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		: GW3 -Shiroda village open well, GW4 - Kanyalwadi village open well,				
Sample Collected by		: Environmental Laboratory (Unit of Mineral Engineering Services)				
Date of sample collection		: 08.10.2024				
Date of sample receipt		: 09.10.2024				
Issue Date		: 29.10.2024				
Ref : IS:10500-2012 Norms Amendment - 4 (Drinking Water Standards)						
Lab Code		N/24/10/2-0233	N/24/10/2-0234			
Sl. No.	Parameters	Results		Desirable Limits	Permissible Limits	Method of Testing
		GW3	GW4			
1	Colour (Hazen Units), Max	<1.0	<1.0	5	15	IS:3025 (P-4)02021
2	Odour	Agreeable	Agreeable	Agreeable	Agreeable	IS:3025 (P-5) 2018
3	pH	6.60	6.51	6.5 to 8.5	6.5 - 8.5	IS:3025 (P-11)2022
4	Taste	Agreeable	Agreeable	Agreeable	Agreeable	IS:3025 (P- 8)1984 RA 2017
5	Turbidity,NTU, Max	<0.1	<0.1	1	5	IS:3025 (P-10)1984 RA2017
6	Electrical Conductivity (µmhos/cm)	110.0	120.0	--	--	IS 3025 (P-14)
7	Total Dissolved Solids,mg/l, Max	60.0	64.0	500	2000	IS:3025 (P-16)1984 RA2017
8	Aluminium (as Al), Max	<0.005	<0.005	0.03	0.2	IS:3025 (P-55)2003 RA2019
9	Ammonia (as total Ammonia -N),mg/l, Max	<0.1	<0.1	0.5	0.5	IS:3025 (P-34)1988 RA2019
10	Anionic Detergents (as MBAS),mg/l , Max	<0.1	<0.1	0.2	1.0	IS:3025(Part-68)
11	Barium (as Ba), mg/l, Max	<0.005	<0.005	0.7	0.7	IS:3025 P-2)2019
12	Boron (as B), mg/l, Max	<0.1	<0.1	0.5	2.4	IS:3025 (Part-57) 2021
13	Calcium (as Ca),mg/l, Max	4.80	2.40	75	200	IS:3025 (P-40)1991 RA 2019
14	Copper (as Cu),mg/l, Max	<0.005	<0.005	0.05	1.5	IS:3025 (P-2)2019
15	Chloride as Cl (mg/l),mg/l, Max	22.00	24.00	250	1000	IS:3025 (P-32)1988 RA 2019
16	Fluoride (as F),mg/l, Max	<0.1	<0.1	1	1.5	IS:3025 (P-60)2008 RA 2019
17	Residual, Free Chlorine,mg/l, Max	<0.1	<0.1	0.2	1	IS:3025 (P-26)2021
18	Chloramines as C12, Max	<0.1	<0.1	4	4	IS:3025(P-26)2021
19	Iron (as Fe),mg/l, Max	<0.005	<0.005	1.0	1.0	IS:3025 (Part-2)2019
20	Magnesium (as Mg) mg/l, Max	2.91	1.45	30	100	IS:3025 (P-46)1994 RA 2019
21	Manganese (as Mn),mg/l, Max	<0.001	<0.001	0.1	0.3	IS:3025 (P-2)2019
22	Mineral Oil,mg/l, Max	<0.5	<0.5	1.0	1.0	Clause 6 of IS 3025 (P-39) 2021
23	Nitrates (as NO ₃),mg/l, Max	2.8	2.0	45	45	IS:3025 (P-34) 1988 RA 2019
24	Phenolics (as C ₆ H ₅ OH),mg/l, Max	<0.001	<0.001	0.001	0.002	IS:3025 (P-43)Sec 1 2022
25	Selenium (as Se),mg/l, Max	<0.005	<0.005	0.01	0.01	IS:3025(P-2)2019
26	Silver (as Ag), mg/l, Max	<0.005	<0.005	0.1	0.1	IS:3025(P-2)2019
27	Molybdenum (as Mo), mg/l, Max	<0.001	<0.001	0.07	0.07	IS:3025 (P-2)2019
28	Sulphates (as SO ₄),mg/l, Max	12.0	14.2	200	400	IS:3025 (P-24) Sec 1 2022
29	Sulphide (as H ₂ S) , mg/l, Max	<0.01	<0.01	0.05	0.05	IS:3025 (P-29):1986 RA 2019
30	Alkalinity (as CaCO ₃) mg/l, Max	8.0	6.0	200	600	IS:3025 (P-23):1986 RA 2019
31	Total Hardness (as CaCO ₃),mg/l, Max	24.0	12.0	200	600	IS:3025 (P-21):2009 RA 2019
32	Zinc (as Zn),mg/l, Max	<0.005	<0.005	5	15	IS:3025 (P-2) 2019
33	Cadmium (as Cd),mg/l, Max	<0.001	<0.001	0.003	0.003	IS:3025 (P-2)2019
34	Cyanide (as CN),mg/l, Max	<0.01	<0.01	0.05	0.05	IS:3025 (P-27)Sec 1 2021
35	Lead (as Pb),mg/l, Max	<0.005	<0.005	0.01	0.01	IS:3025 (P-2)2019
36	Mercury (as Hg),mg/l, Max	<0.0005	<0.0005	0.001	0.001	USPEA 200.7 Rev 4.4
37	Nickel (as Ni),mg/l, Max	<0.001	<0.001	0.02	0.02	IS:3025 (P-2) 2019
38	Arsenic (as As),mg/l, Max	<0.002	<0.002	0.01	0.01	IS:3025 (P-2)2019
39	Total Chromium (as Cr),mg/l, Max	<0.001	<0.001	0.05	0.05	IS:3025 (P-52)2014
40	Escherichia coli/100ml	Not Detected	Not Detected	Shall not be detectable in any 100ml Sample		IS:15185:2016 RA 2021
41	Total Coliform /100ml	Not Detected	Not Detected			IS:15185:2016 RA 2021
42	Water levels in well from surface (m)	0.80	0.30	--	--	--

"END OF REPORT"

BINU MANI
T.M. - Microbiology

Govt. Analyst / Authorised Signatory

M.SACHIN RAJU
T.M. - Chemical

Govt. Analyst / Authorised Signatory

948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.
Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory
Recognised by MoEFCC(CPCB) under E(P) Act 1986 recognition valid upto 23.05.2025

TEST REPORT

Table No. 13

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	: GW5 - Gaontala village open well, GW6 - Tap water (near mines office)
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services)
Date of sample collection	: 08.10.2024
Date of sample receipt	: 09.10.2024
Issue Date	: 29.10.2024
Ref	: IS:10500-2012 Norms Amendment - 4 (Drinking Water Standards)

Sl. No.	Parameters	Results		Desirable Limits	Permissible Limits	Method of Testing
		GW5	GW6			
1	Colour (Hazen Units), Max	1	1	5	15	IS:3025 (P-4)02021
2	Odour	Agreeable	Agreeable	Agreeable	Agreeable	IS:3025 (P-5) 2018
3	pH	7.46	6.83	6.5 to 8.5	6.5 - 8.5	IS:3025 (P-11)2022
4	Taste	Agreeable	Agreeable	Agreeable	Agreeable	IS:3025 (P- 8)1984 RA 2017
5	Turbidity,NTU, Max	<0.1	<0.1	1	5	IS:3025 (P-10)1984 RA2017
6	Electrical Conductivity (µmhos/cm)	370.0	230.0	--	--	IS 3025 (P-14)
7	Total Dissolved Solids,mg/l, Max	200.0	124.0	500	2000	IS:3025 (P-16)1984 RA2017
8	Aluminium (as Al), Max	<0.005	<0.005	0.03	0.2	IS:3025 (P-55)2003 RA2019
9	Ammonia (as total Ammonia -N),mg/l, Max	<0.1	<0.1	0.5	0.5	IS:3025 (P-34)1988 RA2019
10	Anionic Detergents (as MBAS),mg/l , Max	<0.1	<0.1	0.2	1.0	IS:3025(Part-68)
11	Barium (as Ba), mg/l, Max	<0.005	<0.005	0.7	0.7	IS:3025 (P-2)2019
12	Boron (as B), mg/l, Max	<0.1	<0.1	0.5	2.4	IS:3025 (Part-57) 2021
13	Calcium (as Ca),mg/l, Max	8.80	7.21	75	200	IS:3025 (P-40)1991 RA 2019
14	Copper (as Cu),mg/l, Max	<0.005	<0.005	0.05	1.5	IS:3025 (P-2)2019
15	Chloride as Cl (mg/l),mg/l, Max	40.00	34.00	250	1000	IS:3025 (P-32)1988 RA 2019
16	Fluoride (as F),mg/l, Max	<0.1	<0.1	1	1.5	IS:3025 (P-60)2008 RA 2019
17	Residual, Free Chlorine,mg/l, Max	<0.1	<0.1	0.2	1	IS:3025 (P-26)2021
18	Chloramines as C12, Max	<0.1	<0.1	4	4	IS:3025(P-26)2021
19	Iron (as Fe),mg/l, Max	<0.005	<0.005	1.0	1.0	IS:3025 (Part-2)2019
20	Magnesium (as Mg) mg/l, Max	6.80	5.34	30	100	IS:3025 (P-46)1994 RA 2019
21	Manganese (as Mn),mg/l, Max	<0.001	<0.001	0.1	0.3	IS:3025 (P-2)2019
22	Mineral Oil,mg/l, Max	<0.5	<0.5	1.0	1.0	Clause 6 of IS 3025 (P-39) 2021
23	Nitrates (as NO ₃),mg/l, Max	<0.1	1.1	45	45	IS:3025 (P-34) 1988 RA 2019
24	Phenolics (as C ₆ H ₅ OH),mg/l, Max	<0.001	<0.001	0.001	0.002	IS:3025 (P-43)Sec 1 2022
25	Selenium (as Se),mg/l, Max	<0.005	<0.005	0.01	0.01	IS:3025(P-2)2019
26	Silver (as Ag), mg/l, Max	<0.005	<0.005	0.1	0.1	IS:3025(P-2)2019
27	Molybdenum (as Mo), mg/l, Max	<0.001	<0.001	0.07	0.07	IS:3025 (P-2)2019
28	Sulphates (as SO ₄),mg/l, Max	46.0	30.0	200	400	IS:3025 (P-24) Sec 1 2022
29	Sulphide (as H ₂ S) , mg/l, Max	<0.01	<0.01	0.05	0.05	IS:3025 (P-29):1986 RA 2019
30	Alkalinity (as CaCO ₃) mg/l, Max	40.0	44.0	200	600	IS:3025 (P-23):1986 RA 2019
31	Total Hardness (as CaCO ₃),mg/l, Max	50.0	40.0	200	600	IS:3025 (P-21):2009 RA 2019
32	Zinc (as Zn),mg/l, Max	<0.005	<0.005	5	15	IS:3025 (P-2) 2019
33	Cadmium (as Cd),mg/l, Max	<0.001	<0.001	0.003	0.003	IS:3025 (P-2)2019
34	Cyanide (as CN),mg/l, Max	<0.01	<0.01	0.05	0.05	IS:3025 (P-27)Sec 1 2021
35	Lead (as Pb),mg/l, Max	<0.005	<0.005	0.01	0.01	IS:3025 (P-2)2019
36	Mercury (as Hg),mg/l, Max	<0.0005	<0.0005	0.001	0.001	USPEA 200.7 Rev 4.4
37	Nickel (as Ni),mg/l, Max	<0.001	<0.001	0.02	0.02	IS:3025 (P-2) 2019
38	Arsenic (as As),mg/l, Max	<0.002	<0.002	0.01	0.01	IS:3025 (P-2)2019
39	Total Chromium (as Cr),mg/l, Max	<0.001	<0.001	0.05	0.05	IS:3025 (P-52)2014
40	Escherichia coli/100ml	Not Detected	Not Detected	Shall not be detectable in any 100ml Sample		IS:15185:2016 RA 2021
41	Total Coliform /100ml	Not Detected	Not Detected			IS:15185:2016 RA 2021
42	Water levels in well from surface (m)	11.20	--	--	--	--

"END OF REPORT"


BINU MANI
T.M. - Microbiology

Govt. Analyst / Authorised Signatory


M.SACHIN RAJU
T.M. - Chemical

Govt. Analyst / Authorised Signatory

948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.
Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in



ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory
Recognised by MoEFCC(CPCB) under E(P) Act 1986 recognition valid upto 23.05.2025

TEST REPORT

Table No. 14
Report No :N023724102

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	: 09.10.2024			
Lab Code	: N/24/10/2-0237			
Issue Date	: 29.10.2024			
Ref	:Schedule -1 Sl.No-2 of CTO			
Sl. No.	Parameters	Results	Standards	Method of Testing
1	pH	7.85	6.5 -9.0	AOHA (23 rd Edition) 4500H* - B
2	Biochemical Oxygen Demand BOD ₅ 27 ^o C, mg/l	13	<30	IS 3025 (P-44) 1993
3	Total Suspended Solids, at 105 ^o C, mg/l	40	<100	AOHA (23 rd Edition) 2540 - D
4	Fecal Coliform (FC), MPN/100ml	116	<1000	AOHA (23 rd Edition) 5520 - B



BINU MANI
T.M. - Microbiology

Govt. Analyst / Authorised Signatory



M.SACHIN RAJU
T.M. - Chemical
Govt. Analyst / Authorised Signatory

948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.
Phone : 080-25432969 Tel/fax : 25432968. E-mail : mesbng@gmail.com, www.envtest.in