

ENVIRONMENTAL MONITORING REPORT

Project	REDI IRON ORE MINE
Location	Redi Village Vengurla Taluka, Sindudurg Dist Maharashtra
Client	MINERALS AND METALS
Office Address	P. O. Redi, Tal Vengurla, Sindhudurga 416517, Maharashtra (India)
Monitoring Month	October -2025

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

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ENVIRONMENTAL LABORATORY

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TEST REPORT

Table No. 1

AMBIENT AIR QUALITY

Name of the Client : M/s. Minerals and Metals
Name of the Project : Redi Iron Ore Mine
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Code & Station : A1 - Core zone Within ML Area
Duration : 24 Hrs
Issue Date : 06.11.2025
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 ₆ H ₆), µg/m ³
10.10.2025	N029725102	9	12	33	21	<20	<1
11.10.2025	N008625103	12	15	46	26	<20	<1
13.10.2025	N014225103	11	13	38	16	<20	<1
14.10.2025	N020325103	9	11	25	15	<20	<1
23.10.2025	N017525104	5	9	37	21	<20	<1
24.10.2025	N024625104	9	12	38	18	<20	<1
30.10.2025	N030825105	13	18	36	16	<20	<1
31.10.2025	N032525105	8	13	42	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/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
10.10.2025	N029725102	0.25	<0.1	<0.5	<0.5	0.35	22
11.10.2025	N008625103	0.15	<0.1	<0.5	<0.5	0.24	25
13.10.2025	N014225103	0.19	<0.1	<0.5	<0.5	0.35	20
14.10.2025	N020325103	0.21	<0.1	<0.5	<0.5	0.27	21
23.10.2025	N017525104	0.15	<0.1	<0.5	<0.5	0.38	23
24.10.2025	N024625104	0.22	<0.1	<0.5	<0.5	0.33	25
30.10.2025	N030825105	0.18	<0.1	<0.5	<0.5	0.26	23
31.10.2025	N032525105	0.16	<0.1	<0.5	<0.5	0.35	26
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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Table No. 2

AMBIENT AIR QUALITY

Name of the Client	: M/s. Minerals and Metals
Name of the Project	: Redi Iron Ore Mine
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Code & Station	: A2 - Redi village (Within 200m from the ML Area)
Duration	: 24 Hrs
Issue Date	: 06.11.2025
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 ₆ H ₆), µg/m ³
10.10.2025	N029125102	5	10	35	21	<20	<1
11.10.2025	N008025103	4	9	55	25	<20	<1
13.10.2025	N013625103	6	9	39	24	<20	<1
14.10.2025	N019725103	7	13	50	26	<20	<1
23.10.2025	N016925104	9	12	42	25	<20	<1
24.10.2025	N024025104	9	11	45	26	<20	<1
30.10.2025	N030225105	10	12	54	28	<20	<1
31.10.2025	N031925105	12	13	45	15	<20	<1
NAAQS Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	400 24 Hrs	5 Annual

Date of Sampling	Report No	Lead (Pb), µg/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
10.10.2025	N029125102	0.15	<0.1	<0.5	<0.5	0.36	28
11.10.2025	N008025103	0.19	<0.1	<0.5	<0.5	0.31	27
13.10.2025	N013625103	0.11	<0.1	<0.5	<0.5	0.26	25
14.10.2025	N019725103	0.14	<0.1	<0.5	<0.5	0.39	21
23.10.2025	N016925104	0.12	<0.1	<0.5	<0.5	0.27	25
24.10.2025	N024025104	0.11	<0.1	<0.5	<0.5	0.32	26
30.10.2025	N030225105	0.10	<0.1	<0.5	<0.5	0.35	23
31.10.2025	N031925105	0.18	<0.1	<0.5	<0.5	0.42	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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Table No.3

AMBIENT AIR QUALITY

Name of the Client : M/s. Minerals and Metals
Name of the Project : Redi Iron Ore Mine
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Code & Station : A3 - Gaontala village
Duration : 24 Hrs
Issue Date : 06.11.2025
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 ₆ H ₆), µg/m ³
10.10.2025	N029325102	11	14	52	28	<20	<1
11.10.2025	N008225103	9	10	50	26	<20	<1
13.10.2025	N013825103	12	16	46	22	<20	<1
14.10.2025	N019925103	6	9	39	19	<20	<1
23.10.2025	N017125104	12	14	40	26	<20	<1
24.10.2025	N024225104	9	11	55	28	<20	<1
30.10.2025	N030425105	11	16	53	27	<20	<1
31.10.2025	N032125105	9	10	44	16	<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
10.10.2025	N029325102	0.12	<0.1	<0.5	<0.5	0.28	25
11.10.2025	N008225103	0.13	<0.1	<0.5	<0.5	0.36	23
13.10.2025	N013825103	0.10	<0.1	<0.5	<0.5	0.29	21
14.10.2025	N019925103	0.12	<0.1	<0.5	<0.5	0.20	29
23.10.2025	N017125104	0.24	<0.1	<0.5	<0.5	0.25	28
24.10.2025	N024225104	0.15	<0.1	<0.5	<0.5	0.34	23
30.10.2025	N030425105	0.18	<0.1	<0.5	<0.5	0.24	27
31.10.2025	N032125105	0.11	<0.1	<0.5	<0.5	0.38	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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Table No. 4

AMBIENT AIR QUALITY

Name of the Client : M/s. Minerals and Metals

Name of the Project : Redi Iron Ore Mine

Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)

Code & Station : A4 - Kanyalwadi village

Duration : 24 Hrs

Issue Date : 06.11.2025

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 ₆ H ₆), µg/m ³
10.10.2025	N029425102	5	13	42	27	<20	<1
11.10.2025	N008325103	7	10	50	29	<20	<1
13.10.2025	N013925103	8	11	45	22	<20	<1
14.10.2025	N020025103	7	12	36	17	<20	<1
23.10.2025	N017225104	11	13	39	19	<20	<1
24.10.2025	N024325104	5	10	48	22	<20	<1
30.10.2025	N030525105	9	13	40	24	<20	<1
31.10.2025	N032225105	7	11	30	17	<20	<1
NAAQs Limits for Industrial ,		80	80	100	60	400	5
Residential, Rural and other Areas		24 Hrs	24 Hrs	24 Hrs	24 Hrs	24 Hrs	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
10.10.2025	N029425102	0.14	<0.1	<0.5	<0.5	0.29	21
11.10.2025	N008325103	0.13	<0.1	<0.5	<0.5	0.31	25
13.10.2025	N013925103	0.16	<0.1	<0.5	<0.5	0.35	26
14.10.2025	N020025103	0.10	<0.1	<0.5	<0.5	0.41	23
23.10.2025	N017225104	0.12	<0.1	<0.5	<0.5	0.36	27
24.10.2025	N024325104	0.21	<0.1	<0.5	<0.5	0.33	28
30.10.2025	N030525105	0.15	<0.1	<0.5	<0.5	0.26	22
31.10.2025	N032225105	0.19	<0.1	<0.5	<0.5	0.29	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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Table No. 5

AMBIENT AIR QUALITY

Name of the Client : M/s. Minerals and Metals
Name of the Project : Redi Iron Ore Mine
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Code & Station : A5 - Shiroda village
Duration : 24 Hrs
Issue Date : 06.11.2025
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 ₆ H ₆), µg/m ³
10.10.2025	N029225102	9	11	33	16	<20	<1
11.10.2025	N008125103	9	10	30	19	<20	<1
13.10.2025	N013725103	7	9	46	24	<20	<1
14.10.2025	N019825103	8	11	37	19	<20	<1
23.10.2025	N017025104	7	10	25	15	<20	<1
24.10.2025	N024125104	12	16	35	16	<20	<1
30.10.2025	N030325105	11	13	42	22	<20	<1
31.10.2025	N032025105	9	10	34	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
10.10.2025	N029225102	0.12	<0.1	<0.5	<0.5	0.28	25
11.10.2025	N008125103	0.21	<0.1	<0.5	<0.5	0.38	23
13.10.2025	N013725103	0.13	<0.1	<0.5	<0.5	0.45	22
14.10.2025	N019825103	0.15	<0.1	<0.5	<0.5	0.39	26
23.10.2025	N017025104	0.19	<0.1	<0.5	<0.5	0.24	27
24.10.2025	N024125104	0.10	<0.1	<0.5	<0.5	0.34	28
30.10.2025	N030325105	0.22	<0.1	<0.5	<0.5	0.27	21
31.10.2025	N032025105	0.15	<0.1	<0.5	<0.5	0.43	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. Minerals and Metals					
Name of the Project : Redi Iron Ore Mine					
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 : 06.11.2025					
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)
10.10.2025	N029525102	6	12	38	17
11.10.2025	N008425103	7	9	54	26
13.10.2025	N014025103	8	10	38	19
14.10.2025	N020125103	9	10	49	25
23.10.2025	N017325104	6	9	53	28
24.10.2025	N024425104	10	11	48	28
30.10.2025	N030625105	5	9	34	21
31.10.2025	N032325105	7	10	28	15
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. 7

AMBIENT AIR QUALITY

Name of the Client : M/s. Minerals and Metals					
Name of the Project : Redi Iron Ore Mine					
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 : 06.11.2025					
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)
10.10.2025	N029625102	9	12	35	19
11.10.2025	N008525103	10	11	40	22
13.10.2025	N014125103	11	13	45	28
14.10.2025	N020225103	5	9	30	16
23.10.2025	N017425104	8	11	51	28
24.10.2025	N024525104	10	12	50	24
30.10.2025	N030725105	9	15	41	21
31.10.2025	N032425105	5	9	46	24
NAAQS Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs

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Table No. 8

Fugitive Emission

Name of the Client		: M/s. Minerals and Metals					
Name of the Project		: Redi Iron Ore Mine					
Sample Collected by		: Environmental Laboratory (Unit of Mineral Engineering Services LLP)					
Duration		: 08 Hrs					
Issue Date		: 06.11.2025					
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- Screening Plant	October, 2025	No Mining Operation					
FA2 - Haulage Road							
FA3 - Loading Area							
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							

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TEST REPORT

Table No. 9

STATISTICAL AIR QUALITY DATA

Name of the Client : M/s. Minerals and Metals												
Name of the Project : Redi Iron Ore Mine												
Month : October, 2025												
Code & Station	A1 - Core zone Within ML Area				A2 - Redi village (Within 200m from the ML Area)				A3 - Gaontala 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.	5	9	25	15	4	9	35	15	6	9	39	16
10%	7	10	31	16	5	9	38	19	8	10	40	18
25%	9	12	35	16	6	10	41	23	9	10	43	21
50%	9	13	38	18	8	12	45	25	10	13	48	26
75%	11	14	39	21	9	12	51	26	11	15	52	27
98%	13	18	45	25	12	13	55	28	12	16	55	28
Max.	13	18	46	26	12	13	55	28	12	16	55	28
Avg.	10	13	37	19	8	11	46	24	10	13	47	24
SD	3	3	6	4	3	2	7	4	2	3	6	5
No. of obs	8				8				8			
Code & Station	A4 - Kanyatwadi village				A5 - Shiroda village							
	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	PM ₁₀	PM _{2.5}				
Min.	5	10	30	17	7	9	25	15				
10%	5	10	34	17	7	10	29	16				
25%	7	11	38	19	8	10	32	16				
50%	7	12	41	22	9	11	35	19				
75%	8	13	46	25	10	12	38	20				
98%	11	13	50	29	12	16	45	24				
Max.	11	13	50	29	12	16	46	24				
Avg.	7	12	41	22	9	11	35	19				
SD	2	1	7	4	2	2	7	3				
No. of obs	8				8							

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TEST REPORT

Table No. 10

Name of the Client	: M/s. Minerals and Metals
Name of the Project	: Redi Iron Ore Mine
Location	: Redi village, Vengurla taluka, Sindhudurg dist, Maharashtra
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	: 24.10.2025
Date of sample receipt	: 25.10.2025
Report No	: M000125104
Issue Date	: 06.11.2025
Ref	: Environmental (P) Rules, 1986 SCHEDULE VI

Sl. No.	Sample Code	W1	Standards For Effluent Discharge of Environmental Pollutants	Method of Testing
	Parameters	Results		
1	Colour (Hazen Units), & Odour	1	—	IS:3025 (part-4)
2	Suspended Solids (mg/l), Max	12	100	IS 3025 (P-17) 2022
3	Particle size of suspended solids	Pass through 850 micron	Shall Pass through 850 micron	APHA 23rd edition
4	pH	5.60	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	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 ₆ H ₅ OH (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	3.2	10	IS 3025 (P-34) 1988 RA 2019

END OF REPORT

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TEST REPORT

Table No. 11

Name of the Client		: M/s. Minerals and Metals	
Name of the Project		: Redi Iron Ore Mine	
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		: 24.10.2025	
Date of sample receipt		: 25.10.2025	
Issue Date		: 06.11.2025	
Ref		: Environmental (P) Rules, 1986 SCHEDULE VI	
Report No		M000225104	-
Sample code		W2	W3
Sl. No.	Parameters	Results	Standards For Effluent Discharge of Environmental Pollutants
1	Colour (Hazen Units), & Odour	1	IS:3025 (part-4)
2	Suspended Solids (mg/l), Max	20	100 IS 3025 (P-17) 2022
3	Particle size of suspended solids	Pass through 850 micron	Shall Pass through 850 micron APHA 23rd edition
4	pH	5.66	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 & Grase (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	30	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 ₆ H ₅ OH (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	2.8	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. Minerals and Metals
Name of the Project	: Redi Iron Ore Mine
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	: 24.10.2025
Date of sample receipt	: 25.10.2025
Issue Date	: 06.11.2025
Ref : IS : 2296 Water Quality Standards	

Sl. No.	Report No	M000525104	M000625104	M000725104	Limits	Method of Testing
	Sample Code	SW1	SW2	SW3		
	Parameters	Results				
1	Colour (Hazen Units)	1	1	1	300	IS 3025 (Part 4) 2021
2	pH	6.62	6.58	6.60	6.5 to 8.5	IS 3025 (Part 11) 2022
3	Dissolved Oxygen (as O ₂), mg/l	5.70	5.60	5.80	Min 4	IS 3025 (Part 38):1989 RA 2019
4	Biochemical Oxygen Demand (as O ₂), mg/l	<3	<3	<3	Max 3	IS 3025 (Part 44) 2023
5	Total Coliform (MPN/100ml)	110	125	130	5000	IS 15185 2016 RA 2021
6	Total Dissolved Solids, (mg/l)	140	184	114	1500	IS 3025 (Part 16) 2023
7	Chloride (as Cl),mg/l	60.0	70.0	26.0	600	IS 3025 (Part 32):1988 RA 2019
8	Sulphates as SO ₄ (mg/l)	22.0	30.0	20.0	400	APHA (24th Edition):4110B
9	Nitrates (as NO ₃),mg/l	3.00	2.80	1.60	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 ^{VI}), 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 ₆ H ₅ OH),mg/l	<0.001	<0.001	<0.001	0.005	IS 3025 (Part 43/Sec1) 2022
21	Anionic detergents (as MBAS),mg/l	<0.1	<0.1	<0.1	1.0	IS 3025 (Part 68) 2023

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


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



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TEST REPORT

Table No. 13

Name of the Client : M/s. Minerals and Metals
Name of the Project : Redi Iron Ore Mine
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 : 24.10.2025
Date of sample receipt : 25.10.2025
Issue Date : 06.11.2025

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

Report No		M000825104	M000925104	Desirable Limits	Permissible Limits	Method of Testing
Sl. No.	Parameters	Results				
		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	6.60	6.68	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	0.4	0.1	1	5	IS 3025 (Part 10) 2023
6	Total Dissolved Solids,mg/l	34.0	346.0	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	4.00	28.00	75	200	IS 3025 (Part 40) 2021
13	Chloramines as Cl ₂	<0.1	<0.1	4	4	Clause 6.1 of IS 3025 (Part 26) 2021
14	Chloride as Cl (mg/l)	14.0	120.0	250	1000	IS 3025 (Part 32):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	2.40	12.10	30	100	IS 3025 (Part 48) 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	1.00	8.60	45	45	IS 3025 (Part 34) Sec 1 2023
23	Phenolics (as C ₆ H ₅ OH),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	1.80	48.00	200	400	IS 3025 (Part 24/Sec1) 2022
27	Sulphide (as H ₂ S) , mg/l	<0.01	<0.01	0.05	0.05	IS 3025 (Part 29) 2022
28	Total Alkalinity (as CaCO ₃) mg/l	10.0	90.0	200	600	IS 3025 Part(23) 2023
29	Total Hardness (as CaCO ₃),mg/l	20.0	120.0	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	Escherichia 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 Conductivity (µmhos/cm)	62.0	630.0	—	—	IS 3025 (Part 14) : 2013 RA 2023
42	Water levels in well from surface (m)	5.40	3.00	—	—	IS 15896 2014 RA 2021

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TEST REPORT

Table No. 14

Name of the Client : M/s. Minerals and Metals
Name of the Project : Redi Iron Ore Mine
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 : 24.10.2025
Date of sample receipt : 25.10.2025
Issue Date : 06.11.2025

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

Report No		M001025104	M001125104	Desirable Limits	Permissible Limits	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	6.72	6.80	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	0.2	<0.1	1	5	IS 3025 (Part 10) 2023
6	Total Dissolved Solids,mg/l	198.0	60.0	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	20.00	5.61	75	200	IS 3025 (Part 40) 2021
13	Chloramines as Cl ₂	<0.1	<0.1	4	4	Clause 6.1 of IS 3025 (Part 26) 2021
14	Chloride as Cl (mg/l)	40.0	26.0	250	1000	IS 3025 (Part 32):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	7.30	2.91	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	3.50	1.30	45	45	IS 3025 (Part 34) Sec 1 2023
25	Phenolics (as C ₆ H ₅ OH),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	30.00	6.00	200	400	IS 3025 (Part 24/Sec1) 2022
29	Sulphide (as H ₂ S) , mg/l	<0.01	<0.01	0.05	0.05	IS 3025 (Part 29) 2022
30	Total Alkalinity (as CaCO ₃) mg/l	80.0	12.0	200	600	IS 3025 Part(23) 2023
31	Total Hardness (as CaCO ₃),mg/l	80.0	26.0	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 Conductivity (µmhos/cm)	365.0	110.0	--	--	IS 3025 (Part 14) : 2013 RA 2023
42	Water levels in well and surface (m)	1.20	0.20	--	--	IS 15496 2013

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"END OF REPORT"

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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 23.05.2028

TEST REPORT

Table No. 15

Name of the Client : M/s. Minerals and Metals
Name of the Project : Redi Iron Ore Mine
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 : 24.10.2025
Date of sample receipt : 25.10.2025
Issue Date : 06.11.2025

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

Report No		M001225104	M001325104	Desirable Limits	Permissible Limits	Method of Testing
Sl. No.	Parameters	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	6.66	7.72	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	<0.1	1	5	IS 3025 (Part 10) 2023
6	Total Dissolved Solids,mg/l	62.0	76.0	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	3.20	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)	20.0	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	2.43	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	18.00	1.20	45	45	IS 3025 (Part 34) Sec 1 2023
25	Phenolics (as C ₆ H ₅ OH),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	12.00	10.00	200	400	IS 3025 (Part 24/Sec1) 2022
29	Sulphide (as H ₂ S) , mg/l	<0.01	<0.01	0.05	0.05	IS 3025 (Part 29) 2022
30	Total Alkalinity (as CaCO ₃) mg/l	8.0	16.0	200	600	IS 3025 Part(23) 2023
31	Total Hardness (as CaCO ₃),mg/l	18.0	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 Conductivity (µmhos/cm)	116.0	140.0	--	--	IS 3025 (Part 14) : 2013 RA 2023
42	Water levels in well from surface (m)	11.35	--	--	--	IS 15896 2016 RA 2021

"END OF REPORT"

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TEST REPORT

Table No. 16

Name of the Client		: M/s. Minerals and Metals		
Name of the Project		: Redi Iron Ore Mine		
Sample Location		: STP1 - Sewage Treatment Plant		
Date of sample collection		: 24.10.2025		
Date of sample receipt		: 25.10.2025		
Report no		: M001425104		
Issue Date		: 06.11.2025		
Ref		: Schedule -1 SI.No-2 of CTO		
Sl. No.	Sample code		Standards	Method of Testing
	Parameters	Results		
1	pH	6.88	-	IS 3025 (P-11) 2022
2	Biochemical Oxygen Demand BOD ₅ 27 ^o C, mg/l	22	<30	IS 3025 (Part 44) 2023
3	Total Suspended Solids, at 105 ^o C, mg/l	15	<50	IS 3025 (P-17) 2022
4	Chemical Oxygen Demand (COD) (mg/l)	56	<100	IS 3025 (Part 58) 2023

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