

ENVIRONMENTAL MONITORING REPORT

Project	Ramanadurga Iron Ore Mine ML NO. 2141
Location	Dharmapura Village, Sandur Taluk, Ballari District, Karnataka
Client	M/s. Sri. Kumaraswamy Mineral Exports Pvt. Ltd.,
Office Address	D. No. 462, SMIORE Colony, Near Fire Station, Kudligi Road Sandur – 583119, Bellary, Karnataka
Monitoring Month	April-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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TEST REPORT

Table No. 1

AMBIENT AIR QUALITY

Name of the Client : M/s. Sri. Kumaraswamy Mineral Exports Pvt. Ltd					
Name of the Project : Ramanadurga Iron Ore Mine (ML No. 2141)					
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)					
Particulars of sample collected : AI - Dharmapura					
Duration : 24 Hrs					
Issue date : 02.05.2025					
Reference IS 5182 & Lab SOP					
Date of Sampling	Report No	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	Particulate Matter	
				PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)
04.04.2025	N009625041	12	14	54	32
05.04.2025	N002125042	10	12	47	28
11.04.2025	N029825042	13	15	49	25
12.04.2025	N000725043	7	9	53	26
14.04.2025	N005625043	10	12	50	29
15.04.2025	N010925043	9	11	48	27
23.04.2025	N027525044	14	16	50	28
24.04.2025	N029125044	13	14	35	18
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs

Arshiya Kousar

ARSHIYA KOUSAR

Dy. T.M. - Chemical

Govt. Analyst / Authorised Signatory

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Table No. 2

AMBIENT AIR QUALITY

Name of the Client : M/s. Sri. Kumaraswamy Mineral Exports Pvt. Ltd					
Name of the Project : Ramanadurga Iron Ore Mine (ML No. 2141)					
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)					
Particulars of sample collected : All - Yeshwanthanagar					
Duration : 24 Hrs					
Issue date : 02.05.2025					
Reference IS 5182 & Lab SOP					
Date of Sampling	Report No	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	Particulate Matter	
				PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)
04.04.2025	N008525041	11	15	42	23
05.04.2025	N001125042	14	16	59	39
07.04.2025	N009925042	11	14	54	26
08.04.2025	N017925042	9	11	48	24
18.04.2025	N020525043	13	15	60	33
19.04.2025	N001125044	11	14	55	31
21.04.2025	N009025044	12	16	51	40
22.04.2025	N018725044	13	16	45	26
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs

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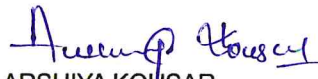
TEST REPORT

Table No. 3

AMBIENT AIR QUALITY

Name of the Client : M/s. Sri. Kumaraswamy Mineral Exports Pvt. Ltd
 Name of the Project : Ramanadurga Iron Ore Mine (ML No. 2141)
 Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)
 Particulars of sample collected : AIII - Sushila Nagar village
 Duration : 24 Hrs
 Issue date : 02.05.2025
 Reference IS 5182 & Lab SOP

Date of Sampling	Report No	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	Particulate Matter	
				PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)
04.04.2025	N009825041	10	11	63	33
05.04.2025	N002325042	10	11	58	29
09.04.2025	N024925042	12	13	48	26
10.04.2025	N027025042	11	12	51	27
16.04.2025	N015725043	13	14	55	32
17.04.2025	N017725043	10	11	53	28
23.04.2025	N027725044	9	10	48	27
24.04.2025	N029325044	10	12	46	26
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs


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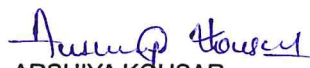
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TEST REPORT

Table No. 4

AMBIENT AIR QUALITY

Name of the Client : M/s. Sri. Kumaraswamy Mineral Exports Pvt. Ltd					
Name of the Project : Ramanadurga Iron Ore Mine (ML No. 2141)					
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)					
Particulars of sample collected : AIV - Sandur Town					
Duration : 24 Hrs					
Issue date : 02.05.2025					
Reference IS 5182 & Lab SOP					
Date of Sampling	Report No	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	Particulate Matter	
				PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)
04.04.2025	N009925041	13	19	55	29
05.04.2025	N002425042	10	14	57	33
09.04.2025	N025025042	12	18	53	29
10.04.2025	N027125042	14	16	48	28
16.04.2025	N015825043	13	14	55	30
17.04.2025	N017825043	11	12	63	33
23.04.2025	N027825044	10	16	57	28
24.04.2025	N029425044	9	12	46	25
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs


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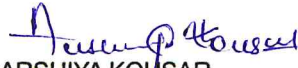
TEST REPORT

Table No. 5

AMBIENT AIR QUALITY

Name of the Client	: M/s. Sri. Kumaraswamy Mineral Exports Pvt. Ltd
Name of the Project	: Ramanadurga Iron Ore Mine (ML No. 2141)
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Particulars of sample collected	: AV - Core zone Within ML Area
Duration	: 24 Hrs
Issue date	: 02.05.2025
Reference	IS 5182 & Lab SOP

Date of Sampling	Report No	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	Particulate Matter	
				PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)
04.04.2025	N010025041	10	12	56	32
05.04.2025	N002525042	13	15	51	30
09.04.2025	N025125042	9	11	48	14
10.04.2025	N027225042	11	13	50	32
16.04.2025	N015925043	14	15	53	30
17.04.2025	N017925043	10	14	45	27
23.04.2025	N027925044	9	12	55	29
24.04.2025	N029525044	12	13	58	32
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. 6

Fugitive Emission

Name of the Client : M/s. Sri. Kumaraswamy Mineral Exports Pvt. Ltd
Name of the Project : Ramanadurga Iron Ore Mine (ML No. 2141)
Sample Collected by : Environmental Laboratory
(Unit of Mineral Engineering Services LLP)

Particulars of sample collected : FE1 - Loading point
Duration : 08 Hrs
Issue date : 02.05.2025

Date of sample	Report No	Particulate mater ($\mu\text{g}/\text{m}^3$)
04.04.2025	N010125041	365
09.04.2025	N025225042	458

Particulars of sample collected : FE2 - Crushing & Screening
Duration : 08 Hrs

Date of sample	Report No	Particulate mater ($\mu\text{g}/\text{m}^3$)
05.04.2025	N002625042	488
10.04.2025	N027325042	512

Particulars of sample collected : FE3 - Dumping point
Duration : 08 Hrs

Date of sample	Report No	Particulate mater ($\mu\text{g}/\text{m}^3$)
04.04.2025	N010225041	493
09.04.2025	N025325042	470

Particulars of sample collected : FE4 - Haulage Road
Duration : 08 Hrs

Date of sample	Report No	Particulate mater ($\mu\text{g}/\text{m}^3$)
05.04.2025	N002725042	523
10.04.2025	N027425042	488

Ref : Environmental (Protection) Rules, 2010 (Sixth Amendment)

Particulate mater ($\mu\text{g}/\text{m}^3$)
Permissible limits for Fugitive Emissions 600 $\mu\text{g}/\text{m}^3$

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Table No. 7

STATISTICAL AIR QUALITY DATA

Name of the Project : Ramanadurga Iron Ore Mine (ML No. 2141)												
Name of the Client : M/s. Sri. Kumaraswamy Mineral Exports Pvt. Ltd												
Month : April, 2025												
	AI - Dharmapura				AII - Yeshwanthanagar				AIII - Sushila Nagar village			
	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	PM ₁₀	PM _{2.5}
Min.	7	9	35	18	9	11	42	23	9	10	46	26
10%	8	10	43	23	10	13	44	24	10	11	47	26
25%	10	12	48	26	11	14	47	26	10	11	48	27
50%	11	13	50	28	12	15	53	29	10	12	52	28
75%	13	14	51	28	13	16	56	35	11	12	56	30
98%	14	16	54	32	14	16	60	40	13	14	62	33
Max.	14	16	54	32	14	16	60	40	13	14	63	33
Avg.	11	13	48	27	12	15	52	30	11	12	53	29
SD	2	2	6	4	2	2	6	7	1	1	6	3
No. of obs	8				8				8			
	AIV - Sandur Town				AV - Core zone Within ML Area							
	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	PM ₁₀	PM _{2.5}				
Min.	9	12	46	25	9	11	45	14				
10%	10	12	47	27	9	12	47	23				
25%	10	14	52	28	10	12	50	29				
50%	12	15	55	29	11	13	52	30				
75%	13	17	57	31	12	14	55	32				
98%	14	19	62	33	14	15	58	32				
Max.	14	19	63	33	14	15	58	32				
Avg.	12	15	54	29	11	13	52	28				
SD	2	3	5	3	2	1	4	6				
No. of obs	8				8							

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NOISE LEVEL DATA

Table No. 8

Report No : ELMES052504

Report No : ENM200020

Name of the Client	:	M/s. Sri. Kumaraswamy Mineral Exports Pvt. Ltd
Name of the Project	:	Ramanadurga Iron Ore Mine (ML No. 2141)
Particulars of Sample	:	Noise levels
Sample Collected by	:	Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Date of sample collection	:	04.04.2025
Issue Date	:	02.05.2025
Sampling & Test Method	:	IS:9989

Code No.	Monitoring stations	Day			Night		
		L _{min}	L _{eq}	L _{max}	L _{min}	L _{eq}	L _{max}
Bufferzone							
N1	Dharmapura	40.2	49.6	54.8	34.6	39.7	43.5
N2	Yeshwanthanagar	36.4	50.6	56.2	34.8	41.7	46.0
N3	Bavihalli village	42.0	52.5	58.0	34.6	42.5	47.2
Corezone							
N4	Core zone Near Mines office	47.0	55.0	62.0	35.0	41.7	49.0
N5	Loading Area	43.0	56.5	68.0	During operation		
N6	Dumping Area	48.0	64.7	83.0	During operation		

<u>Permissible Limits of Ambient Noise Levels as per CPCB Guidelines</u>		
	Leq. Limit dB(A)	
	Day	Night
Industrial areas	75	70
Commerecial area	65	55
Residential area	55	45
Silence area	50	40

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TEST REPORT

Table No. 7

Name of the Client	: M/s. Sri. Kumaraswamy Mineral Exports Pvt. Ltd
Name of the Project	: Ramanadurga Iron Ore Mine (ML No. 2141)
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Particulars of sample collected	: SW1 - Nari Halla Up Stream water, SW2 - Nari Halla Down Stream water
Date of sample collection	: 04.04.2025
Issue Date	: 23.04.2025
Ref : IS : 2296 Water Quality Standards	

Report No		-	-	Limits	Method of Testing
Sample Code		SW1	SW2		
Sl.No.	Parameters	Results			
1	Colour (Hazen Units)	Dry	Dry	300	IS:3025(Part-4)2021
2	pH			6.5 to 8.5	IS:3025(Part-11)2022
3	Dissolved Oxygen (as O ₂), mg/l			Min 4	IS:3025(Part-38)1989RA 2019
4	Biochemical Oxygen Demand (as O ₂), mg/l			3	IS:3025(P-44) 2014
5	Total Coliform (MPN/100ml)			5000	IS:1622:1981
6	Total Dissolved Solids, (mg/l)			1500	IS:3025(Part-16)2023
7	Chloride (as Cl),mg/l			600	IS:3025(Part-32) ;1988RA2019
8	Sulphates as SO ₄ (mg/l)			400	IS:3025(P-24)Sec 1 2022
9	Nitrates (as NO ₃),mg/l			50	IS:3025(Part-34)1988 RA 2019
10	Fluoride (as F),mg/l			1.5	APHA 23rd Edition 4500F
11	Copper (as Cu),mg/l			1.5	IS:3025(Part-2) 2019
12	Iron (as Fe),mg/l			50	IS:3025(P-2) 2019
13	Zinc (as Zn),mg/l			15	IS:3025(P-2) 2019
14	Total Arsenic (as As), (mg/l)			0.2	IS:3025(Part-37)
15	Lead (as Pb), mg/l			0.1	IS:3025(P-2) 2019
16	Cadmium (as Cd), mg/l			0.01	IS:3025(P-2) 2019
17	Hexavalent Chromium (as Cr ⁺⁶), mg/l			0.05	IS:3025(P-52) 2014
18	Selenium (as Se), mg/l			0.05	IS:3025(P-2) 2019
19	Cyanide (as CN), mg/l			0.05	IS:3025(P-27) Sec 1 2021
20	Phenolic compounds (as C ₆ H ₅ OH),mg/l			0.005	IS:3025(P-43)Sec 1 2022
21	Anionic detergents (as MBAS),mg/l			1.0	IS:3025(Part-68)

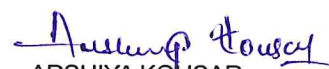
""END OF REPORT""



BINU MANI

T.M. - Microbiology

Govt. Analyst / Authorised Signatory



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Table No. 10

Name of the Client		: M/s. Sri. Kumaraswamy Mineral Exports Pvt. Ltd				
Name of the Project		: Ramanadurga Iron Ore Mine (ML No. 2141)				
Sample Collected by		: Environmental Laboratory (Unit of Mineral Engineering Services LLP)				
Particulars of sample collected		: GW1 - Dharmapura bore water, GW2 -Yeshwanthanagar bore water				
Date of sample collection		: 04.04.2025				
Issue Date		: 23.04.2025				
Ref : IS:10500-2012 Norms Amendment - 4 (Drinking Water Standards)						
Report No		M001025041	M001125041	Desirable Limits	Permissible Limits	Method of Testing
Sl. No.	Sample Code	GW1	GW2			
	Parameters	Results				
1	Colour (Hazen Units)	1	<1	5	15	IS:3025 (P-4) 2021
2	Odour	Agreeable	Agreeable	Agreeable	Agreeable	IS:3025 (P-5) 2018
3	pH Value	7.70	7.42	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	2.40	2.60	1	5	IS:3025 (P-10)1984 RA2017
6	Total Dissolved Solids,mg/l	980.0	1334.0	500	2000	IS:3025 (P-16)1984 RA2017
7	Aluminium (as Al)	<0.005	<0.005	0.03	0.2	IS:3025 (P-55)2003 RA2019
8	Ammonia (as total Ammonia -N),mg/l	<0.1	<0.1	0.5	0.5	IS:3025 (P-34)1988 RA2019
9	Anionic Detergents (as MBAS),mg/l	<0.1	<0.1	0.2	1.0	Annex K of IS:13428 Amm 11 2022
10	Barium (as Ba), mg/l	<0.005	<0.005	0.7	0.7	IS:3025(P-2)2019
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	104.20	120.20	75	200	IS:3025 (P-40)1991 RA 2019
13	Chloramines as C12	<0.1	<0.1	4	4	IS:3025(P-26)2021
14	Chloride as Cl (mg/l)	220.00	420.00	250	1000	IS:3025 (P-32)1988 RA 2019
16	Copper (as Cu),mg/l	<0.005	<0.005	0.05	1.5	IS:3025 (P-2)2019
17	Fluoride (as F),mg/l	0.94	1.10	1	1.5	IS:3025 (P-60)2008 RA 2019
19	Residual, Free Chlorine,mg/l	<0.1	<0.1	0.2	1	IS:3025 (P-26)2021
20	Iron (as Fe),mg/l	<0.005	<0.005	1.0	1.0	IS:3025 (Part-2)2019
21	Magnesium (as Mg)mg/l	53.40	102.00	30	100	IS:3025 (P-46)1994 RA 2019
22	Manganese (as Mn),mg/l	<0.001	<0.001	0.1	0.3	IS:3025 (P-2)2019
23	Mineral Oil,mg/l	<0.5	<0.5	1.0	1.0	Clause 6 of IS 3025 (P-39) 2021
24	Nitrates (as NO ₃),mg/l	31.60	36.70	45	45	IS:3025 (P-34) 1988 RA 2019
25	Phenolics (as C ₆ H ₅ OH),mg/l	<0.001	<0.001	0.001	0.002	IS:3025 (P-43)Sec 1 2022
26	Selenium (as Se),mg/l	<0.005	<0.005	0.01	0.01	IS:3025(P-2)2019
27	Silver (as Ag), mg/l	<0.005	<0.005	0.1	0.1	IS:3025(P-2)2019
28	Sulphate (as SO ₄),mg/l	130.00	112.00	200	400	IS:3025 (P-24) Sec 1 2022
29	Sulphide (as H ₂ S) , mg/l	<0.01	<0.01	0.05	0.05	IS:3025 (P-29):1986 RA 2019
30	Total Alkalinity (as CaCO ₃) mg/l	460.0	480.0	200	600	IS:3025 (P-23):1986 RA 2019
31	Total Hardness (as CaCO ₃),mg/l	480.0	720.0	200	600	IS:3025 (P-21):2009 RA 2019
32	Zinc (as Zn),mg/l	<0.005	<0.005	5	15	IS:3025 (P-2) 2019
33	Cadmium (as Cd),mg/l	<0.001	<0.001	0.003	0.003	IS:3025 (P-2)2019
34	Cyanide (as CN),mg/l	<0.01	<0.01	0.05	0.05	IS:3025 (P-27)Sec 1 2021
35	Lead (as Pb),mg/l	<0.005	<0.005	0.01	0.01	IS:3025 (P-2)2019
36	Mercury (as Hg),mg/l	<0.0005	<0.0005	0.001	0.001	USPEA 200.7 Rev 4.4
37	Molybdenum (as Mo), mg/l	<0.001	<0.001	0.07	0.07	IS:3025 (P-2)2019
38	Nickel (as Ni),mg/l	<0.001	<0.001	0.02	0.02	IS:3025 (P-2) 2019
39	Arsenic (as As),mg/l	<0.002	<0.002	0.01	0.01	IS:3025 (P-2)2019
40	Total Chromium (as Cr),mg/l	<0.001	<0.001	0.05	0.05	IS:3025 (P-52)2014
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)	1700.0	2300.0	--	--	IS 3025 (P-14)

"END OF REPORT"



BINU MANI

T.M. - Microbiology

Govt. Analyst / Authorised Signatory



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



ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

Accredited by NABL (TC-6172), Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory

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

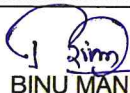
TEST REPORT

Table No. 11

Name of the Client	: M/s. Sri. Kumaraswamy Mineral Exports Pvt. Ltd
Name of the Project	: Ramanadurga Iron Ore Mine (ML No. 2141)
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Particulars of sample collected	: GW3 -Sushilanagar village Bore water, GW4 - Drinking water Near Mine Office
Date of sample collection	: 04.01.2025
Issue Date	: 22.01.2025
Ref : IS:10500-2012 Norms Amendment - 4 (Drinking Water Standards)	

Sl. No.	Sample Code	Report No	M001225041	M001325041	Desirable Limits	Permissible Limits	Method of Testing
		Parameters	GW3	GW4			
1	Colour (Hazen Units)		1	1	5	15	IS:3025 (P-4) 2021
2	Odour		Agreeable	Agreeable	Agreeable	Agreeable	IS:3025 (P-5) 2018
3	pH Value		7.17	6.25	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		1.00	<0.1	1	5	IS:3025 (P-10)1984 RA2017
6	Total Dissolved Solids,mg/l		1026.0	36.0	500	2000	IS:3025 (P-16)1984 RA2017
7	Aluminium (as Al)		<0.005	<0.005	0.03	0.2	IS:3025 (P-55)2003 RA2019
8	Ammonia (as total Ammonia -N),mg/l		<0.1	<0.1	0.5	0.5	IS:3025 (P-34)1988 RA2019
9	Anionic Detergents (as MBAS),mg/l		<0.1	<0.1	0.2	1.0	Annex K of IS:13428 Amm 11 2022
10	Barium (as Ba), mg/l		<0.005	<0.005	0.7	0.7	IS:3025(P-2)2019
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		120.20	1.60	75	200	IS:3025 (P-40)1991 RA 2019
13	Chloramines as C12		<0.1	<0.1	4	4	IS:3025(P-26)2021
14	Chloride as Cl (mg/l)		215.00	12.00	250	1000	IS:3025 (P-32)1988 RA 2019
16	Copper (as Cu),mg/l		<0.005	<0.005	0.05	1.5	IS:3025 (P-2)2019
17	Fluoride (as F),mg/l		0.92	<0.1	1	1.5	IS:3025 (P-60)2008 RA 2019
19	Residual, Free Chlorine,mg/l		<0.1	<0.1	0.2	1	IS:3025 (P-26)2021
20	Iron (as Fe),mg/l		<0.005	<0.005	1.0	1.0	IS:3025 (Part-2)2019
21	Magnesium (as Mg),mg/l		77.70	<2	30	100	IS:3025 (P-46)1994 RA 2019
22	Manganese (as Mn),mg/l		<0.001	<0.001	0.1	0.3	IS:3025 (P-2)2019
23	Mineral Oil,mg/l		<0.5	<0.5	1.0	1.0	Clause 6 of IS 3025 (P-39) 2021
24	Nitrates (as NO ₃),mg/l		38.70	<1	45	45	IS:3025 (P-34) 1988 RA 2019
25	Phenolics (as C ₆ H ₅ OH),mg/l		<0.001	<0.001	0.001	0.002	IS:3025 (P-43)Sec 1 2022
26	Selenium (as Se),mg/l		<0.005	<0.005	0.01	0.01	IS:3025(P-2)2019
27	Silver (as Ag), mg/l		<0.005	<0.005	0.1	0.1	IS:3025(P-2)2019
28	Sulphate (as SO ₄),mg/l		140.00	1.50	200	400	IS:3025 (P-24) Sec 1 2022
29	Sulphide (as H ₂ S) , mg/l		<0.01	<0.01	0.05	0.05	IS:3025 (P-29):1986 RA 2019
30	Total Alkalinity (as CaCO ₃) mg/l		520.0	14.0	200	600	IS:3025 (P-23):1986 RA 2019
31	Total Hardness (as CaCO ₃),mg/l		620.0	8.0	200	600	IS:3025 (P-21):2009 RA 2019
32	Zinc (as Zn),mg/l		<0.005	<0.005	5	15	IS:3025 (P-2) 2019
33	Cadmium (as Cd),mg/l		<0.001	<0.001	0.003	0.003	IS:3025 (P-2)2019
34	Cyanide (as CN),mg/l		<0.01	<0.01	0.05	0.05	IS:3025 (P-27)Sec 1 2021
35	Lead (as Pb),mg/l		<0.005	<0.005	0.01	0.01	IS:3025 (P-2)2019
36	Mercury (as Hg),mg/l		<0.0005	<0.0005	0.001	0.001	USPEA 200.7 Rev 4.4
37	Molybdenum (as Mo), mg/l		<0.001	<0.001	0.07	0.07	IS:3025 (P-2)2019
38	Nickel (as Ni),mg/l		<0.001	<0.001	0.02	0.02	IS:3025 (P-2) 2019
39	Arsenic (as As),mg/l		<0.002	<0.002	0.01	0.01	IS:3025 (P-2)2019
40	Total Chromium (as Cr),mg/l		<0.001	<0.001	0.05	0.05	IS:3025 (P-52)2014
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)		1800.0	65.0	--	--	IS 3025 (P-14)

"END OF REPORT"


BINU MANI

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