

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	July-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 : 02.08.2025					
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)
04.07.2025	N003825071	10	13	50	27
05.07.2025	N003225072	9	11	46	26
11.07.2025	N027025072	11	13	37	19
12.07.2025	N001225073	9	9	40	22
14.07.2025	N007725073	7	9	33	18
15.07.2025	N014025073	6	7	45	24
23.07.2025	N018925074	9	10	38	17
24.07.2025	N022625074	11	13	48	22
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs

Arshiya Kousar
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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 : 02.08.2025					
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)
04.07.2025	N002925071	10	12	36	18
05.07.2025	N002325072	12	11	47	25
07.07.2025	N009825072	5	<9	39	20
08.07.2025	N014525072	9	10	50	27
18.07.2025	N027425073	7	8	45	26
19.07.2025	N001925074	9	10	54	28
21.07.2025	N008325074	6	9	40	24
22.07.2025	N013725074	10	11	50	27
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. 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 : 02.08.2025 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)
04.07.2025	N008625071	9	11	38	17
05.07.2025	N007025072	7	9	52	27
09.07.2025	N021725072	6	9	47	24
10.07.2025	N025125072	8	12	30	16
16.07.2025	N022325073	10	10	34	16
17.07.2025	N026025073	8	11	46	22
23.07.2025	N021225074	6	12	53	28
24.07.2025	N024625074	7	9	50	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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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 : 02.08.2025					
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)
04.07.2025	N008725071	8	12	54	26
05.07.2025	N007125072	9	11	47	24
09.07.2025	N021825072	10	12	37	18
10.07.2025	N025225072	8	10	50	27
16.07.2025	N022425073	5	9	45	24
17.07.2025	N026125073	9	9	55	27
23.07.2025	N021325074	8	9	38	19
24.07.2025	N024725074	10	11	50	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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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 : 02.08.2025					
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)
04.07.2025	N008825071	9	10	36	19
05.07.2025	N007225072	6	9	45	23
09.07.2025	N021925072	10	12	52	26
10.07.2025	N025325072	8	10	38	19
16.07.2025	N022525073	11	14	49	26
17.07.2025	N026225073	9	13	46	24
23.07.2025	N021425074	10	11	53	27
24.07.2025	N024825074	9	10	35	19
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 : 02.08.2025		
Date of sample	Report No	Particulate mater ($\mu\text{g}/\text{m}^3$)
09.07.2025	N022025072	155
16.07.2025	N022625073	265

Particulars of sample collected : FE2 - Crushing & Screening		
Duration : 08 Hrs		
Date of sample	Report No	Particulate mater ($\mu\text{g}/\text{m}^3$)
10.07.2025	N025425072	223
17.07.2025	N026325073	245

Particulars of sample collected : FE3 - Dumping point		
Duration : 08 Hrs		
Date of sample	Report No	Particulate mater ($\mu\text{g}/\text{m}^3$)
09.07.2025	N022125072	288
16.07.2025	N022725073	242

Particulars of sample collected : FE4 - Haulage Road		
Duration : 08 Hrs		
Date of sample	Report No	Particulate mater ($\mu\text{g}/\text{m}^3$)
10.07.2025	N025525072	296
17.07.2025	N026425073	322
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 Client : M/s. Sri. Kumaraswamy Mineral Exports Pvt. Ltd												
Name of the Project : Ramanadurga Iron Ore Mine (ML No. 2141)												
Month : July, 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.	6	7	33	17	5	8	36	18	6	9	30	16
10%	7	8	36	18	6	9	38	19	6	9	33	16
25%	9	9	38	19	7	10	40	23	7	9	37	17
50%	9	11	43	22	9	10	46	26	8	11	47	23
75%	10	13	47	25	10	11	50	27	8	11	51	26
98%	11	13	50	27	12	12	53	28	10	12	53	28
Max.	11	13	50	27	12	12	54	28	10	12	53	28
Avg.	9	11	42	22	9	10	45	24	8	10	44	22
SD	2	2	6	4	2	1	6	4	1	1	9	5
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.	5	9	37	18	6	9	35	19				
10%	7	9	38	19	7	10	36	19				
25%	8	9	43	23	9	10	38	19				
50%	9	11	49	25	9	11	46	24				
75%	9	11	51	26	10	12	50	26				
98%	10	12	55	27	11	14	53	27				
Max.	10	12	55	27	11	14	53	27				
Avg.	8	10	47	24	9	11	44	23				
SD	2	1	7	3	2	2	7	3				
No. of obs	8				8							

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TEST REPORT

NOISE LEVEL DATA

Table No. 8

Report No : ELMES0262507

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		: 07.07.2025					
Issue Date		: 02.08.2025					
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	38.0	49.0	56.0	35.0	41.4	44.8
N2	Yeshwanthanagar	37.0	51.9	58.0	35.0	43.9	48.0
N3	Bavihalli village	37.6	51.5	56.3	34.0	41.9	45.2
Corezone							
N4	Core zone Near Mines office	42.0	53.8	62.0	35.0	41.6	48.2
N5	Loading Area	41.0	56.0	65.0	During operation		
N6	Dumping Area	42.0	63.1	78.0	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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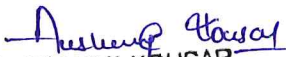
TEST REPORT

Table No.9

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		: 11.07.2025			
Date of sample receipt		: 12.07.2025			
Issue Date		: 02.08.2025			
Ref : IS : 2296 Water Quality Standards					
Report No		M010425072	M010525072	Limits	Method of Testing
Sample Code		SW1	SW2		
Sl.No.	Parameters	Results			
1	Colour (Hazen Units)	10	5	300	IS 3025 (Part 4) 2021
2	pH	7.58	7.84	6.5 to 8.5	IS 3025 (Part 11) 2022
3	Dissolved Oxygen (as O ₂), mg/l	5.30	5.20	Min 4	IS 3025 (Part 38):1989 RA 2019
4	Biochemical Oxygen Demand (as O ₂), mg/l	<3	<3	Max 3	IS 3025 (Part 44) 2023
5	Total Coliform (MPN/100ml)	120	109	5000	IS 15185 2016 RA 2021
6	Total Dissolved Solids, (mg/l)	396	400	1500	IS 3025 (Part 16) 2023
7	Chloride (as Cl),mg/l	100.0	105.0	600	IS 3025 (Part 32) :1988 RA 2019
8	Sulphates as SO ₄ (mg/l)	45.0	48.0	400	APHA (24th Edition):4110B
9	Nitrates (as NO ₃),mg/l	18.00	19.20	50	IS 3025 (Part 34-Sec1) 2023
10	Fluoride (as F),mg/l	0.12	0.38	1.5	IS 3025 (Part 60-Sec1) 2023
11	Copper (as Cu),mg/l	<0.0005	<0.0005	1.5	IS 3025 (Part 65) 2022
12	Iron (as Fe),mg/l	<0.005	<0.005	50	IS 3025 (Part 65) 2022
13	Zinc (as Zn),mg/l	<0.005	<0.005	15	IS 3025 (Part 65) 2022
14	Total Arsenic (as As), (mg/l)	<0.0005	<0.0005	0.2	IS 3025 (Part 65) 2022
15	Lead (as Pb), mg/l	<0.0005	<0.0005	0.1	IS 3025 (Part 65) 2022
16	Cadmium (as Cd), mg/l,	<0.0005	<0.0005	0.01	IS 3025 (Part 65) 2022
17	Hexavalent Chromium (as Cr ⁺⁶), mg/l,	<0.03	<0.03	0.05	IS 3025 (Part 52):2019 RA 2023
18	Selenium (as Se), mg/l	<0.0005	<0.0005	0.05	IS 3025 (Part 65) 2022
19	Cyanide (as CN), mg/l,	<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	0.005	IS 3025 (Part 43/Sec1) 2022
21	Anionic detergents (as MBAS),mg/l	<0.1	<0.1	1.0	IS 3025 (Part 68) 2023

""END OF REPORT""


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TEST REPORT

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				
Issue Date		: 02.08.2025				
Ref : IS:10500-2012 Norms Amendment - 4 (Drinking Water Standards)						
Date of sample collection		11.07.2025	07.07.2025	Desirable Limits	Permissible Limits	Method of Testing
Date of sample receipt		12.07.2025	08.07.2025			
Report No		M011425072	M002225072			
Sl. No.	Sample Code	GW1	GW2			
	Parameters	Results				
1	Colour (Hazen Units)	3	1	5	15	IS 3025 (Part 4) 2021
2	Odour	Agreeable	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5) 2018
3	pH Value	7.70	7.05	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	1.5	1.80	1	5	IS 3025 (Part 10) 2023
6	Total Dissolved Solids,mg/l	616.0	1160.0	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	88.10	128.20	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)	60.00	360.00	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	0.62	0.85	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	60.00	87.40	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	23.00	26.00	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	80.00	58.00	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	420.0	540.0	200	600	IS 3025 (Part23) 2023
31	Total Hardness (as CaCO ₃),mg/l	500.0	600.0	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)	1100.0	2000.0	—	—	IS 3025 (Part 14) : 2013 RA 2023

"END OF REPORT"

BINU MANI
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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. 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				
Issue Date		: 02.08.2025				
Ref : IS:10500-2012 Norms Amendment - 4 (Drinking Water Standards)						
Date of sample collection		09.07.2025	11.07.2025	Desirable Limits	Permissible Limits	Method of Testing
Date of sample receipt		10.07.2025	12.07.2025			
Report No		M006325072	M010625072			
Sl. No.	Sample Code	GW3	GW4			
	Parameters	Results				
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	6.90	6.08	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	860.0	22.0	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	160.30	1.60	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)	200.00	8.00	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	0.97	<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	92.30	<1.0	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	27.50	<0.1	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	60.00	1.20	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	480.0	8.0	200	600	IS 3025 Part(23) 2023
31	Total Hardness (as CaCO ₃),mg/l	780.0	8.0	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)	1500.0	40.0	—	—	IS 3025 (Part 14) : 2013 RA 2023

"END OF REPORT"

TM - Microbiology

Govt Analyst / Authonsed Signatory

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