



SV ENVIRO LABS & CONSULTANTS

(Environmental Engineers & Consultants in Pollution Control)

Corporate Office : Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam-530012
& Laboratory www.svenviolabs.com, Ph:0891-2755528, Cell: +91 9440338628
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Branch Office : 2-53, Mahipala Street, Yanam - 533464.

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Ref: SVELC/RIL-GMM/22-01/01

Date: 18-02-2022

NAME AND ADDRESS : M/s. GARBHAM MANGANESE MINE,
Visakhapatnam Steel Plant,
Garbham,
Vizianagaram District, A.P.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : MINING AREA

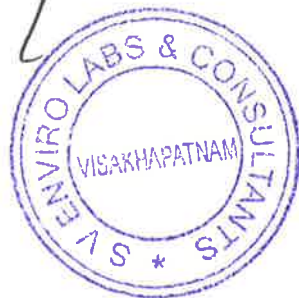
DURATRION OF SAMPLING : 24 Hrs

ATMOSPHERE CONDITION : Clear Sky

TEST REPORT

Date of Monitoring	Week	SPM ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
24.01.2022	I	189	11.9	14.6	0.50
25.01.2022	I	184	12.8	13.5	0.52
05.02.2022	II	170	11.7	11.9	0.44
06.02.2022	II	159	10.9	12.8	0.46
Maximum		189	12.8	14.6	0.50
Minimum		159	10.9	11.9	0.44
Average		175	11.8	13.2	0.48
CPCB Standards		-	80	80	4


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Ref: SVELC/RIL-GMM/22-01/02

Date: 18-02-2022

NAME AND ADDRESS : M/s. GARBHAM MANGANESE MINE,
Visakhapatnam Steel Plant,
Garbham,
Vizianagaram District, A.P.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : ADMINISTRATIVE OFFICE

DURATRION OF SAMPLING : 24 Hrs

ATMOSPHERE CONDITION : Clear Sky

TEST REPORT

Date of Monitoring	Week	SPM ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	PM2.5 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NOx ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
24.01.2022	I	180	71.6	30.4	11.0	13.1	0.33
25.01.2022	I	170	75.6	32.2	11.8	13.9	0.39
05.02.2022	II	152	65.4	28.6	12.5	14.6	0.44
06.02.2022	II	135	62.3	26.4	11.9	13.8	0.41
Maximum		180	75.6	32.2	12.5	14.6	0.44
Minimum		135	62.3	26.4	11.0	13.1	0.33
Average		159	68.7	29.4	11.8	13.8	0.39
CPCB Standards		-	100	60	80	80	4

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Ref: SVELC/RIL-GMM/22-01/03

Date: 18-02-2022

NAME AND ADDRESS : M/s. GARBHAM MANGANESE MINE,
Visakhapatnam Steel Plant,
Garbham,
Vizianagaram District, A.P.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : GARBHAM VILLAGE

DURATRION OF SAMPLING : 24 Hrs

ATMOSPHERE CONDITION : Clear Sky

TEST REPORT

Date of Monitoring	Week	SPM ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	PM2.5 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NOx ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
24.01.2022	I	158	66.2	25.6	11.0	12.8	0.32
25.01.2022	I	151	68.4	26.3	12.1	13.7	0.35
05.02.2022	II	168	67.3	28.5	11.2	12.5	0.38
06.02.2022	II	146	62.5	25.2	11.9	13.8	0.31
Maximum		168	68.4	28.5	12.1	13.8	0.38
Minimum		151	62.5	25.2	11.0	12.5	0.31
Average		155	66.1	26.4	11.5	13.2	0.34
CPCB Standards		-	100	60	80	80	4


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Ref: SVELC/RIL-GMM/22-01/04

Date: 18-02-2022

NAME AND ADDRESS : M/s. GARBHAM MANGANESE MINE,
Visakhapatnam Steel Plant,
Garbham,
Vizianagaram District, A.P.

SAMPLE PARTICULARS : DUSTFALL

SOURCE OF COLLECTION : MINING AREA

ATMOSPHERE CONDITION : Clear Sky

TEST REPORT

S.No	Parameters	Unit	01-01-2022 to 15-01-2022	16-01-2022 to 31-01-2022
1	Insoluble Particles	Tons/Km ² /Month	4.10	3.88
2	Soluble Particles	Tons/Km ² /Month	3.79	3.70
3	Total Particles	Tons/Km ² /Month	7.89	7.58


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Ref: SVELC/RIL-GMM/22-01/05

Date: 18-02-2022

NAME AND ADDRESS : M/s. GARBHAM MANGANESE MINE,
Visakhapatnam Steel Plant,
Garbham,
Vizianagaram District, A.P.

SAMPLE PARTICULARS : DUSTFALL

SOURCE OF COLLECTION : ADMINISTRATIVE OFFICE

ATMOSPHERE CONDITION : Clear Sky

TEST REPORT

S.No	Parameters	Unit	01-01-2022 to 15-01-2022	16-01-2022 to 31-01-2022
1	Insoluble Particles	Tons/Km ² /Month	3.50	3.39
2	Soluble Particles	Tons/Km ² /Month	1.84	1.76
3	Total Particles	Tons/Km ² /Month	5.34	5.15


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Ref: SVELC/RIL-GMM/22-01/06

Date: 18-02-2022

NAME AND ADDRESS : M/s. GARBHAM MANGANESE MINE,
Visakhapatnam Steel Plant,
Garbham,
Vizianagaram District, A.P.

SAMPLE PARTICULARS : DUSTFALL

SOURCE OF COLLECTION : GARBHAM VILLAGE

ATMOSPHERE CONDITION : Clear Sky

TEST REPORT

S.No	Parameters	Unit	01-01-2022 to 15-01-2022	16-01-2022 to 31-01-2022
1	Insoluble Particles	Tons/Km ² /Month	3.26	3.28
2	Soluble Particles	Tons/Km ² /Month	1.72	1.60
3	Total Particles	Tons/Km ² /Month	4.98	4.88


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Ref: SVELC/RIL-GMM/22-01/07

Date: 18-02-2022

NAME AND ADDRESS : M/s. GARBHAM MANGANESE MINE,
Visakhapatnam Steel Plant,
Garbham,
Vizianagaram District, A.P.

SAMPLE PARTICULARS : NOISE LEVEL MONITORING

DATE OF COLLECTION : 24.01.2022 to 25.01.2022

TEST REPORT

Period	Time	Source of collection			
		Mining Area	Admin office	Loading Point	Hydraulic Excavator
Day	6.00	55.3	52.4	55.9	55.3
	7.00	54.6	56.7	56.2	54.6
	8.00	57.9	55.3	59.5	60.9
	9.00	59.2	59.6	56.8	61.2
	10.00	66.5	56.9	57.1	62.5
	11.00	65.8	57.2	66.4	63.8
	12.00	68.1	60.5	68.7	65.1
	13.00	69.4	61.8	67.3	64.4
	14.00	71.4	65.1	64.6	63.7
	15.00	72.7	63.4	70.9	62.3
	16.00	72.3	65.7	72.2	65.6
	17.00	73.6	67.3	69.5	68.9
	18.00	74.2	66.6	72.8	63.2
	19.00	72.8	64.6	70.1	59.5
20.00	67.1	62.9	73.4	57.8	
21.00	68.4	63.2	71.7	58.1	
Night	22.00	66.7	59.5	70.3	56.4
	23.00	64.3	57.8	63.6	54.7
	24.00	62.6	52.1	59.9	55.3
	1.00	59.9	54.4	51.2	53.6
	2.00	57.2	51.7	53.5	52.9
	3.00	56.5	52.7	51.8	49.2
	4.00	55.8	50.3	48.1	55.5
5.00	54.1	47.6	49.7	51.8	
Leq Day		66.8	58.6	62.6	59.0
Leq Night		58.6	52.4	54.0	53.3

CPCB Standards for Noise levels	Day Time	Night Time
	75	70

Note: Day time shall mean from 6.00 am to 10.00 pm
Night time shall mean from 10.00 p.m. to 6.00 a.m.

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Date: 18-02-2022

NAME AND ADDRESS : M/s. GARBHAM MANGANESE MINE,
Visakhapatnam Steel Plant, Garbham,
Vizianagaram District, A.P.

SAMPLE PARTICULARS : GROUND WATER

SOURCE OF COLLECTION : GARBHAM WELL WATER

DATE OF COLLECTION : 25-01-2022

TEST REPORT

S.No	Parameter	Unit	Result	IS 10500:2012 Specifications
1.	Colour	Hazen	3.42	5.0
2.	Odour	-	Agreeable	Agreeable
3.	Temperature	°C	28.2	-
4.	Taste	-	Agreeable	Agreeable
5.	Turbidity	NTU	0.25	1.0
6.	pH	-	7.46	6.5 – 8.5
7.	Total Dissolved Solids	mg/l	480	500
8.	Total Alkalinity as CaCO ₃	mg/l	396	200
9.	Total Hardness as CaCO ₃	mg/l	374	200
10.	Calcium as Ca	mg/l	90.2	75
11.	Magnesium as Mg	mg/l	36.4	30
12.	Chlorides as Cl ⁻	mg/l	47.2	250
13.	Fluorides as F	mg/l	0.90	1.0
14.	Nitrates as NO ₃ ⁻	mg/l	8.46	45
15.	Sulphates as SO ₄ ²⁻	mg/l	13.4	200
16.	Iron as Fe	mg/l	0.12	0.3
17.	Free Residual Chlorine	mg/l	< 0.1	0.2
18.	Phenolic Compounds as C ₆ H ₅ OH	mg/l	<0.005	0.001
19.	Copper as Cu	mg/l	< 0.01	0.05
20.	Manganese as Mn	mg/l	< 0.01	0.1
21.	Zinc as Zn	mg/l	0.11	5.0
22.	Aluminum as Al	mg/l	< 0.01	0.03
23.	Boron as B	mg/l	< 0.01	0.5
24.	Sulphide as H ₂ S	mg/l	< 0.1	0.05
25.	Anionic Detergents (as MBAS)	mg/l	< 0.1	0.2
26.	Barium as Ba	mg/l	< 0.01	0.7
27.	Chloramines (as Cl ₂)	mg/l	<1.0	4.0
28.	Ammonia as total ammonia-N	mg/l	< 0.01	0.5
29.	Mineral Oil	mg/l	< 0.01	0.5
30.	Selenium as Se	mg/l	< 0.01	0.01
31.	Silver as Ag	mg/l	< 0.01	0.1
32.	Cadmium as Cd	mg/l	<0.001	0.003
33.	Cyanide as CN	mg/l	<0.02	0.05
34.	Lead as Pb	mg/l	<0.01	0.01
35.	Mercury as Hg	mg/l	<0.001	0.001
36.	Molybdenum as Mo	mg/l	<0.01	0.07
37.	Nickel as Ni	mg/l	<0.01	0.02
38.	Total Arsenic as As	mg/l	<0.01	0.01





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39.	Total Chromium as Cr	mg/l	<0.01	0.05
40.	Polychlorinated biphenyls	mg/l	<0.0001	0.0005
41.	Polynuclear aromatic Hydrocarbons as PAH	mg/l	<0.0001	0.0001
MICROBIOLOGY:				
42.	<i>E. coliforms</i>	CFU/100mL	Not detected	Shall not be detected in 100 ml
43.	<i>Total coliforms</i>	CFU/100mL	20	Shall not be detected in 100 ml
44.	<i>Faecal coliforms</i>	CFU/100mL	Not detected	-
PESTICIDES:				
45.	Alpha HCH	µg/l	BDL	0.01
46.	Beta HCH	µg/l	BDL	0.04
47.	Butachlor	µg/l	BDL	125
48.	Chlorpyrifos	µg/l	BDL	30
49.	Delta HCH	µg/l	BDL	0.04
50.	2,4- Dichlorophenoxyacetic Acid	µg/l	BDL	30
51.	DDT (o,p and p,p-Isomers of DDT, DDE and DDD)	µg/l	BDL	1.0
52.	Endosulfan (alpha, beta and Sulphate)	µg/l	BDL	0.4
53.	Ethion	µg/l	BDL	3.0
54.	Gamma-HCH (Lindane)	µg/l	BDL	2.0
55.	Isoproturon	µg/l	BDL	9.0
56.	Malathion	µg/l	BDL	190
57.	Methyl Parathion	µg/l	BDL	0.3
58.	Alachlor	µg/l	BDL	20
59.	Atrazine	µg/l	BDL	2.0
60.	Aldrin/ Dieldrin	µg/l	BDL	0.03
61.	Monocrotophos	µg/l	BDL	1.0
62.	Phorate	µg/l	BDL	2.0
TRIHALOMETHANE				
63.	Bromoform	mg/l	<0.05	0.1
64.	Dibromochloromethane	mg/l	<0.05	0.1
65.	Bromodichloromethane	mg/l	<0.05	0.06
66.	chloroform	mg/l	<0.05	0.2

Note: All the above parameters are tested as per APHA methods, 23rd Edition, 2017

BDL- Below detectable limit, Detectable limit: <0.005 µg/l

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Date: 18-02-2022

NAME AND ADDRESS : M/s. GARBHAM MANGANESE MINE,
Visakhapatnam Steel Plant, Garbham,
Vizianagaram District,A.P.

SAMPLE PARTICULARS : DRINKING WATER

SOURCE OF COLLECTION : MINES OFFICE

DATE OF COLLECTION : 25-01-2022

TEST REPORT

S.No	Parameter	Unit	Result	IS 10500:2012 Specifications
1.	Colour	Hazen	0.27	5.0
2.	Odour	-	Agreeable	Agreeable
3.	Temperature	°C	27.9	-
4.	Taste	-	Agreeable	Agreeable
5.	Turbidity	NTU	0.44	1.0
6.	pH	-	6.72	6.5 – 8.5
7.	Total Dissolved Solids	mg/l	30.0	500
8.	Total Alkalinity as CaCO ₃	mg/l	23	200
9.	Total Hardness as CaCO ₃	mg/l	14.4	200
10.	Calcium as Ca	mg/l	5.01	75
11.	Magnesium as Mg	mg/l	0.48	30
12.	Chlorides as Cl ⁻	mg/l	5.12	250
13.	Fluorides as F	mg/l	0.11	1.0
14.	Nitrates as NO ₃ ⁻	mg/l	0.66	45
15.	Sulphates as SO ₄ ²⁻	mg/l	0.54	200
16.	Iron as Fe	mg/l	0.010	0.3
17.	Free Residual Chlorine	mg/l	< 0.1	0.2
18.	Phenolic Compounds as C ₆ H ₅ OH	mg/l	<0.005	0.001
19.	Copper as Cu	mg/l	< 0.01	0.05
20.	Manganese as Mn	mg/l	< 0.01	0.1
21.	Zinc as Zn	mg/l	1.21	5.0
22.	Aluminum as Al	mg/l	< 0.01	0.03
23.	Boron as B	mg/l	< 0.1	0.5
24.	Sulphide as H ₂ S	mg/l	< 0.1	0.05
25.	Anionic Detergents (as MBAS)	mg/l	< 0.01	0.2
26.	Barium as Ba	mg/l	< 0.01	0.7
27.	Chloramines (as Cl ₂)	mg/l	<1.0	4.0
28.	Ammonia as total ammonia-N	mg/l	< 0.01	0.5
29.	Mineral Oil	mg/l	< 0.01	0.5
30.	Selenium as Se	mg/l	< 0.01	0.01
31.	Silver as Ag	mg/l	< 0.01	0.1
32.	Cadmium as Cd	mg/l	<0.001	0.003
33.	Cyanide as CN	mg/l	<0.02	0.05
34.	Lead as Pb	mg/l	<0.01	0.01
35.	Mercury as Hg	mg/l	<0.001	0.001
36.	Molybdenum as Mo	mg/l	<0.01	0.07
37.	Nickel as Ni	mg/l	<0.01	0.02
38.	Total Arsenic as As	mg/l	<0.01	0.01





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39.	Total Chromium as Cr	mg/l	<0.01	0.05
40.	Polychlorinated biphenyls	mg/l	<0.0001	0.0005
41.	Polynuclear aromatic Hydrocarbons as PAH	mg/l	<0.0001	0.0001
MICROBIOLOGY:				
42.	<i>E. coliforms</i>	CFU/100mL	Not detected	Shall not be detected in 100 ml
43.	<i>Total coliforms</i>	CFU/100mL	Not detected	Shall not be detected in 100 ml
44.	<i>Faecal coliforms</i>	CFU/100mL	Not detected	-
PESTICIDES:				
45.	Alpha HCH	µg/l	BDL	0.01
46.	Beta HCH	µg/l	BDL	0.04
47.	Butachlor	µg/l	BDL	125
48.	Chlorpyrifos	µg/l	BDL	30
49.	Delta HCH	µg/l	BDL	0.04
50.	2,4- Dichlorophenoxyacetic Acid	µg/l	BDL	30
51.	DDT (o,p and p,p-Isomers of DDT, DDE and DDD)	µg/l	BDL	1.0
52.	Endosulfan (alpha, beta and Sulphate)	µg/l	BDL	0.4
53.	Ethion	µg/l	BDL	3.0
54.	Gamma-HCH (Lindane)	µg/l	BDL	2.0
55.	Isoproturon	µg/l	BDL	9.0
56.	Malathion	µg/l	BDL	190
57.	Methyl Parathion	µg/l	BDL	0.3
58.	Alachlor	µg/l	BDL	20
59.	Atrazine	µg/l	BDL	2.0
60.	Aldrin/ Dieldrin	µg/l	BDL	0.03
61.	Monocrotophos	µg/l	BDL	1.0
62.	Phorate	µg/l	BDL	2.0
TRIHALOMETHANE				
63.	Bromoform	mg/l	<0.05	0.1
64.	Dibromochloromethane	mg/l	<0.05	0.1
65.	Bromodichloromethane	mg/l	<0.05	0.06
66.	chloroform	mg/l	<0.05	0.2

Note: All the above parameters are tested as per APHA methods, 23rd Edition, 2017

BDL- Below detectable limit, Detectable limit- <0.005 µg/l


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Ref: SVELC/RIL-GMM/22-01/03

Date: 18-02-2022

NAME AND ADDRESS : M/s. GARBHAM MANGANESE MINE,
Visakhapatnam Steel Plant, Garbham,
Vizianagaram District,A.P.

SAMPLE PARTICULARS : WASTE WATER

SOURCE OF COLLECTION : MINE DISCHARGE WATER

DATE OF COLLECTION : 25-01-2022

TEST REPORT

S.No	Parameter	Unit	Result	Standards as per GSR 422 (E)
1	Colour	Hazen	2.90	5
2	Odour	Agreeable	Agreeable	Agreeable
3	Turbidity	NTU	<0.01	1.0
4	pH	-	7.62	5.5 to 9.0
5	Total Dissolved Solids	mg/l	828	500 – 2000
6	Total suspended solids	mg/l	360	100
7	Fluorides as F	mg/l	0.96	2.0
8	Nitrates as NO ₃ ⁻	mg/l	31.4	10
9	Iron as Fe	mg/l	0.07	3.0
10	Total Residual Chlorine	mg/l	<0.1	1.0
11	Phenolic Compounds as C ₆ H ₅ OH	mg/l	<0.005	1.0
12	Copper as Cu	mg/l	< 0.01	3.0
13	Manganese as Mn	mg/l	< 0.01	2.0
14	Zinc as Zn	mg/l	0.14	5.0
15	Sulphide as S	mg/l	< 0.1	2.0
16	Cadmium as Cd	mg/l	<0.01	2.0
17	Lead as Pb	mg/l	<0.01	0.1
18	Mercury as Hg	mg/l	<0.001	0.01
19	Nickel as Ni	mg/l	<0.01	3.0
20	Total Arsenic as As	mg/l	<0.01	0.2
21	Total Chromium as Cr	mg/l	<0.01	2.0
22	Hexavalent chromium as Cr ⁺⁶	mg/l	< 0.1	0.1
23	Vanadium as V	mg/l	<0.01	0.2
24	Ammonical nitrogen as N	mg/l	BDL	50
25	Free ammonia as NH ₃	mg/l	< 0.1	5
26	Chemical oxygen demand -COD	mg/l	52.4	250
27	Biochemical oxygen demand –BOD	mg/l	18.0	30
28	Oil & Grease	mg/l	1.2	10
29	Selenium as Se	mg/l	<0.01	0.05

Note: All the above parameters are tested as per APHA methods, 23rd Edition, 2017

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Ref: SVELC/RIL-GMM/22-01/04

Date: 18-02-2022

NAME AND ADDRESS : M/s. GARBHAM MANGANESE MINE,
Visakhapatnam Steel Plant, Garbham,
Vizianagaram District, A.P.

SAMPLE PARTICULARS : GROUND WATER

SOURCE OF COLLECTION : GARBHAM-BORE WELL (RAW WATER)

DATE OF COLLECTION : 25-01-2022

TEST REPORT

S.No	Parameter	Unit	Result	IS 10500:2012 Specifications
1.	Colour	Hazen	4.32	5.0
2.	Odour	-	Agreeable	Agreeable
3.	Temperature	°C	28.0	-
4.	Taste	-	Agreeable	Agreeable
5.	Turbidity	NTU	0.35	1.0
6.	pH	-	7.28	6.5 – 8.5
7.	Total Dissolved Solids	mg/l	490	500
8.	Total Alkalinity as CaCO ₃	mg/l	408	200
9.	Total Hardness as CaCO ₃	mg/l	392	200
10.	Calcium as Ca	mg/l	99.0	75
11.	Magnesium as Mg	mg/l	35.4	30
12.	Chlorides as Cl ⁻	mg/l	45.8	250
13.	Fluorides as F	mg/l	0.98	1.0
14.	Nitrates as NO ₃ ⁻	mg/l	8.12	45
15.	Sulphates as SO ₄ ²⁻	mg/l	13.4	200
16.	Iron as Fe	mg/l	0.05	0.3
17.	Free Residual Chlorine	mg/l	< 0.1	0.2
18.	Phenolic Compounds as C ₆ H ₅ OH	mg/l	<0.005	0.001
19.	Copper as Cu	mg/l	< 0.01	0.05
20.	Manganese as Mn	mg/l	< 0.01	0.1
21.	Zinc as Zn	mg/l	0.12	5.0
22.	Aluminum as Al	mg/l	< 0.01	0.03
23.	Boron as B	mg/l	< 0.01	0.5
24.	Sulphide as H ₂ S	mg/l	< 0.1	0.05
25.	Anionic Detergents (as MBAS)	mg/l	< 0.01	0.2
26.	Barium as Ba	mg/l	< 0.01	0.7
27.	Chloramines (as Cl ₂)	mg/l	<1.0	4.0
28.	Ammonia as total ammonia-N	mg/l	< 0.01	0.5
29.	Mineral Oil	mg/l	< 0.01	0.5
30.	Selenium as Se	mg/l	< 0.01	0.01
31.	Silver as Ag	mg/l	< 0.01	0.1
32.	Cadmium as Cd	mg/l	<0.001	0.003
33.	Cyanide as CN	mg/l	<0.02	0.05
34.	Lead as Pb	mg/l	<0.01	0.01
35.	Mercury as Hg	mg/l	<0.001	0.001
36.	Molybdenum as Mo	mg/l	<0.01	0.07
37.	Nickel as Ni	mg/l	<0.01	0.02
38.	Total Arsenic as As	mg/l	<0.01	0.01





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39.	Total Chromium as Cr	mg/l	<0.01	0.05
40.	Polychlorinated biphenyls	mg/l	<0.0001	0.0005
41.	Polynuclear aromatic Hydrocarbons as PAH	mg/l	<0.0001	0.0001
MICROBIOLOGY:				
42.	<i>E. coliforms</i>	CFU/100mL	Not detected	Shall not be detected in 100 ml
43.	<i>Total coliforms</i>	CFU/100mL	Not detected	Shall not be detected in 100 ml
44.	<i>Faecal coliforms</i>	CFU/100mL	Not detected	-
PESTICIDES:				
45.	Alpha HCH	µg/l	BDL	0.01
46.	Beta HCH	µg/l	BDL	0.04
47.	Butachlor	µg/l	BDL	125
48.	Chlorpyrifos	µg/l	BDL	30
49.	Delta HCH	µg/l	BDL	0.04
50.	2,4- Dichlorophenoxyacetic Acid	µg/l	BDL	30
51.	DDT (o,p and p,p-Isomers of DDT, DDE and DDD)	µg/l	BDL	1.0
52.	Endosulfan (alpha, beta and Sulphate)	µg/l	BDL	0.4
53.	Ethion	µg/l	BDL	3.0
54.	Gamma-HCH (Lindane)	µg/l	BDL	2.0
55.	Isoproturon	µg/l	BDL	9.0
56.	Malathion	µg/l	BDL	190
57.	Methyl Parathion	µg/l	BDL	0.3
58.	Alachlor	µg/l	BDL	20
59.	Atrazine	µg/l	BDL	2.0
60.	Aldrin/ Dieldrin	µg/l	BDL	0.03
61.	Monocrotophos	µg/l	BDL	1.0
62.	Phorate	µg/l	BDL	2.0
TRIHALOMETHANE				
63.	Bromoform	mg/l	<0.05	0.1
64.	Dibromochloromethane	mg/l	<0.05	0.1
65.	Bromodichloromethane	mg/l	<0.05	0.06
66.	Chloroform	mg/l	<0.05	0.2

Note: All the above parameters are tested as per APHA methods, 23rd Edition, 2017

BDL- Below detectable limit, Detectable limit- <0.005 µg

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