

Sr. No.	Parameter	Unit	Nr Chordi Village	Nr Gomta Primary School	Nr Patidad Village	Nr Charakhadi Village	PERMISSIBLE LIMIT
1	Temperature	-	26	27	28	27	-
2	pH @ 25° C	-	7.23	7.49	7.3	8.1	6.5-8.5
3	Odor	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	Taste	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	<1.0	<1.0	<1.0	<1.0	Max 5
6	Color	CU	<1.0	<1.0	<1.0	<1.0	Max 15
7	Total Dissolved Solids	mg/L	465	342	420	536	Max 2000
8	Chloride as Cl-	mg/L	99.3	87.5	104.5	112	Max 1000
9	Total Alkalinity as CaCO3	mg/L	121.1	132.8	58.2	163.2	Max 600
10	Total Hardness	mg/L	144.6	137.6	155	172.7	Max 600
11	Calcium as Ca+	mg/L	40.84	32.71	40.22	63.72	Max 200
12	Magnesium as Mg+	mg/L	17.9	10.55	8.63	22.1	Max 100
13	Residual Chlorine	mg/L	0.5	0.4	0.4	0.6	Min 1
14	Sulphate	mg/L	23.3	18.5	16.6	28.3	Max 400
15	Nitrate	mg/L	<01	<01	<01	<01	Max 45
16	Fluoride as F-	mg/L	0.2	1.17	0.52	1.08	Max 1.5
17	Silica as SiO2	mg/L	0.04	0.06	0.6	1.3	-
18	Iron as Fe	mg/L	BDL	BDL	0.12	0.08	0.3
19	Sulphide	Mg/L	0.02	0.01	0.02	BDL	0.05
20	Nitrate as NO3	mg/L	8.6	19.5	14	3.4	45
21	Sodium as Na	mg/L	19.3	22.4	16.4	10.9	-
22	Selenium as Se	mg/L	BDL	BDL	BDL	BDL	0.01
23	Aluminium as Al	mg/L	BDL	0.001	0.004	BDL	0.03
24	Anionic Detergent (as MBAS)	mg/L	BDL	BDL	BDL	BDL	0.2
25	Mineral Oil	mg/L	BDL	BDL	BDL	BDL	0.5
26	Phenolic Compounds	mg/L	BDL	BDL	BDL	BDL	0.001
27	Manganese as Mn	mg/L	BDL	0.04	0.06	0.02	0.1
28	Potassium as K	mg/L	5.4	4.9	6.34	4.2	-
29	Lead as Pb	mg/L	BDL	BDL	BDL	BDL	0.01
30	Boron as B	mg/L	0.02	0.1	0.3	0.1	0.5
31	Mercury as Hg	mg/L	BDL	BDL	BDL	BDL	0.001
32	Cadmium as Cd	mg/L	BDL	BDL	BDL	BDL	0.003
33	Nickel as Ni	mg/L	BDL	BDL	BDL	BDL	0.02
34	Arsenic as As	mg/L	BDL	BDL	BDL	BDL	0.01
35	Cyanide as CN	mg/L	BDL	BDL	BDL	BDL	0.5
36	Zinc as Zn	mg/L	0.6	0.6	1.2	BDL	5
37	Chromium as Cr	mg/L	BDL	BDL	BDL	BDL	0.05
38	Copper as Cu	mg/L	0.01	BDL	0.02	BDL	0.05
39	Bromoform	mg/L	0.003	BDL	BDL	BDL	0.1
40	Di bromo chloromethane	mg/L	0.04	BDL	BDL	BDL	0.1
41	Bromo Di chloromethane	mg/L	0.002	BDL	BDL	BDL	0.06
42	Chloroform	mg/L	0.001	0.004	BDL	BDL	0.2
43	Polychlorinated biphenyls	mg/L	BDL	BDL	BDL	BDL	0.00005
44	Total Plate Count	CFU/ml	Absent	Absent	Absent	Absent	Absent
45	Total Yeast and Moulds	CFU/ml	Absent	Absent	Absent	Absent	Absent
46	Total Coliform	MPN	Absent	Absent	Absent	Absent	Absent
47	Total Faecal Coliform	MPN	Absent	Absent	Absent	Absent	Absent
48	E Coli	-	Absent	Absent	Absent	Absent	Absent
49	Vibrio Chlorella	-	Absent	Absent	Absent	Absent	Absent
50	Any other Microorganisms	CFU/ml	Absent	Absent	Absent	Absent	Absent
51	Alachlor	µg/L	0.001	BDL	0.4	BDL	20
52	Atrazine	µg/L	0.02	BDL	BDL	BDL	2
53	Aldrin	µg/L	0.005	BDL	BDL	BDL	0.03
54	Alpha HCH	µg/L	0.015	BDL	BDL	BDL	0.01
55	Beta HCH	µg/L	BDL	BDL	BDL	BDL	0.04
56	Butachlor	µg/L	BDL	BDL	BDL	BDL	125
57	Chlorpyrifos	µg/L	BDL	BDL	BDL	BDL	30
58	Delta HCH	µg/L	BDL	BDL	BDL	BDL	0.04
59	2,4-D	µg/L	BDL	BDL	BDL	BDL	30
60	o,p DDT	µg/L	BDL	BDL	BDL	BDL	1
61	p,p DDT	µg/L	BDL	BDL	BDL	BDL	1
62	o,p DDE	µg/L	BDL	BDL	BDL	BDL	1
63	p,p DDE	µg/L	BDL	BDL	BDL	BDL	1
64	o,p DDD	µg/L	BDL	BDL	BDL	BDL	1
65	p,p DDD	µg/L	BDL	BDL	BDL	BDL	1
66	Alpha Endosulfan	µg/L	BDL	BDL	BDL	BDL	0.4
67	Beta Endosulfan	µg/L	BDL	BDL	BDL	BDL	0.4
68	Endosulfan sulphate	µg/L	BDL	BDL	BDL	BDL	0.4
69	Ethion	µg/L	BDL	BDL	0.6	BDL	3
70	Gamma - HCH	µg/L	BDL	BDL	BDL	BDL	2
71	Iso Proturon	µg/L	BDL	BDL	BDL	BDL	9
72	Melathion	µg/L	BDL	BDL	BDL	BDL	190
73	Methyl parathion	µg/L	BDL	BDL	BDL	BDL	0.3
74	Monocrotophos	µg/L	BDL	0.6	0.3	BDL	1
75	Phorate	µg/L	<0.1	<0.1	<0.1	BDL	2
76	Poly aromatic Hydrocarbon	mg/L	BDL	BDL	BDL	BDL	0.0001
77	Phenolic Compound	mg/L	BDL	BDL	BDL	BDL	0.001
78	Ammonia	mg/L	BDL	BDL	BDL	BDL	0.5
79	Chloro amine	mg/L	BDL	BDL	BDL	BDL	4
80	Alpha Emitter	Bq/L	BDL	BDL	BDL	BDL	0.1
81	Beta Emitter	Bq/L	BDL	BDL	BDL	BDL	1