

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: JANUARY, 2015**

Sl. No	PARAMETER	RESULT					
		STATION CODE: 2050	STATION CODE: 2051	STATION CODE: 2052	STATION CODE: 2053	STATION CODE: 2054	STATION CODE: 2055
		1	2	3	4	5	6
1	Weather	Clear	Clear	Clear	Clear	Clear	Clear
2	Depth of water body (m)	1.5	1.3	0.5	0.5	0.3	1
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Pale Yellow
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	urine smell
5	Velocity of Flow(m/sec)	0.4	0.5	0.8	0.8	N/A	N/A
6	Water Temp.	17	17	14	14	13	13
7	D.O(mg/L)	7.1	7.4	8	7.8	5.2	4.2
8	Major polluting sources	Agriculture	Agriculture	Agriculture	Agriculture	Domestic	Domestic
9	Use of water at or in down stream of monitoring stations	Use as public water supply	Water treatment plant located near the station	-	-	Washing	Washing

CORE PARAMETERS

10	pH	7.18	7.45	7.34	7.25	7.74	6.51
11	Conductivity(us/cm)	36	35	58.9	56	80	178
12	BOD (mg/L)	1.5	1.4	1.4	1.3	1.1	1.2
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.085	0.06	0.055	0.048	0.047	0.059
14	Faecal Coliform	NA	NA	NA	NA	NA	NA
15	Total Coliform	NA	NA	NA	NA	NA	NA

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	67.6	70.9	84.5	87.8	59.1	194.3
18	Chloride (mg/L)	7.5	7.5	7.5	7.5	35.6	64.4
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.578	0.433	0.236	0.433	0.205	0.562
20	Total hardness (mg/L)	50	46	66	62	68	114
21	Calcium (mg/L)	12	10.4	16.8	16	17.6	33.6
22	Magnesium (mg/L)	4.8	4.8	5.7	5.2	5.7	7.2
23	Sodium	50	66	46	56	51.5	62
24	TDS (mg/L)	150	170	150	170	90	90
25	TSS (mg/L)	60	70	70	90	40	40
26	Phosphate (mg/L)	0.076	0.124	0.109	0.135	0.114	0.13

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		STATION CODE: 3709	STATION CODE: 3710	STATION CODE: 3711	STATION CODE: 3712	STATION CODE: 3713	STATION CODE: 3715
		7	8	9	10	11	12
1	Weather	Clear	Clear	Clear	Clear	Clear	Clear
2	Depth of water body (m)	0.2	N/A	0.9	0.9	0.4	0.4
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.2	0.5	N/A	1.1	N/A	0.5
6	Water Temp.	13	14	17	18	14	13
7	D.O(mg/L)	7.1	6.7	6.3	5.7	6.6	7.9
8	Major polluting sources	Agriculture	Agriculture	Agriculture	Domestic	Domestic	Agriculture
9	Use of water at or in down stream of monitoring stations		Use as public water supply				

CORE PARAMETERS

10	pH	6.51	7.5	7.65	7.99	7.01	7.6
11	Conductivity(us/cm)	117	67	41	31	59	75
12	BOD (mg/L)	1.3	1.2	1.3	1.3	1.4	1.5
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.073	0.054	0.082	0.058	0.033	0.06
14	Faecal Coliform	NA	NA	NA	NA	NA	NA
15	Total Coliform	NA	NA	NA	NA	NA	NA

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	72.6	76	81.1	54	76	81.1
18	Chloride (mg/L)	9.1	9.8	8.3	6.8	9.8	18.9
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.403	0.467	0.623	0.361	0.182	0.319
20	Total hardness (mg/L)	50	44	30	60	70	70
21	Calcium (mg/L)	11.2	10.4	7.2	14.4	18.4	28
22	Magnesium (mg/L)	5.2	4.3	2.8	5.7	5.7	4.8
23	Sodium	70	61	60	50	46.5	44
24	TDS (mg/L)	170	120	110	110	120	160
25	TSS (mg/L)	90	70	50	50	60	80
26	Phosphate (mg/L)	0.114	0.12	0.125	0.114	0.073	0.083

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Sl. No	PARAMETER	RESULT					
		STATION CODE: 3716	STATION CODE: 3717	STATION CODE: 3718	STATION CODE: 3721	STATION CODE: 3722	STATION CODE: 3724
		13	14	15	16	17	18
1	Weather	Clear	Clear	Clear	Clear	Clear	Clear
2	Depth of water body (m)	0.3	0.3	0.5	0.2	10	0.4
3	Colour	Colourless	Colourless	Colourless	Colourless	Pale Yellow	Colourless
4	Odour	Odourless	Odourless	Odourless	mud Smell	Odourless	Odourless
5	Velocity of Flow(m/s)	0.5	0.5	0.3	0.5	N/A	0.3
6	Water Temp.	13	13	12	13	13	14
7	D.O(mg/L)	6.8	8.3	5.9	5.2	5.7	6.9
8	Major polluting sources	Agriculture	Agriculture	Domestic	Agriculture	Domestic	
9	Use of water at or in down stream of monitoring stations					Washing	

CORE PARAMETERS

10	pH	7	7.55	7.61	7.37	7.75	7.24
11	Conductivity(us/cm)	52	88	199	162	80	95
12	BOD (mg/L)	1.3	1.6	1.3	1.1	1.2	1.4
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.052	0.049	0.068	0.064	0.041	0.048
14	Faecal Coliform	NA	NA	NA	NA	NA	NA
15	Total Coliform	NA	NA	NA	NA	NA	NA

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	84.5	92.3	228.1	177.4	55.7	50.7
18	Chloride (mg/L)	7.5	9.8	84.9	62.9	26.5	11.3
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.334	0.559	0.353	0.509	0.304	0.338
20	Total hardness (mg/L)	66	80	170	120	84	6.4
21	Calcium (mg/L)	17.6	21.6	49.6	34.4	24	17.6
22	Magnesium (mg/L)	5.2	6.2	11	8.1	5.7	4.8
23	Sodium	57.5	57	51	63.5	51	46
24	TDS (mg/L)	140	190	170	120	150	140
25	TSS (mg/L)	70	90	80	60	70	60
26	Phosphate (mg/L)	0.066	0.082	0.086	0.118	0.066	0.094

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Sl. No	PARAMETER	RESULT					
		STATION CODE: 3725	STATION CODE: 3726	STATION CODE: 3727	STATION CODE: 3728	STATION CODE: 3729	STATION CODE: 3730
		19	20	21	22	23	24
1	Weather	Clear	Clear	Clear	Clear	Clear	Clear
2	Depth of water body (m)	0.9	0.3	0.3	0.6	N/A	N/A
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/s)	N/A	N/A	N/A	N/A	N/A	N/A
6	Water Temp.	14	13	13	15	16	16
7	D.O(mg/L)	6.6	6.1	4.4	6.1	0.4	3
8	Major polluting sources	Domestic	Domestic	Agriculture	Domestic	Domestic	Agriculture
9	Use of water at or in down stream of monitoring stations	Washing			Washing	Washing	

CORE PARAMETERS

10	pH	7.73	7.9	7.26	6.79	7.23	7.22
11	Conductivity(us/cm)	76	78	102	62	92	105
12	BOD (mg/L)	1.4	1.1	1	1.2		0.9
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.063	0.08	0.074	0.04	0.043	0.036
14	Faecal Coliform	NA	NA	NA	NA	NA	NA
15	Total Coliform	NA	NA	NA	NA	NA	NA

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	28.7	59.1	20.2	67.6	92.9	98
18	Chloride (mg/L)	15.9	44	11.3	18.9	31.8	17.4
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.395	0.357	0.433	0.372	0.236	0.243
20	Total hardness (mg/L)	70	80	64	46	66	70
21	Calcium (mg/L)	17.6	20.8	17.6	11.2	17.6	18.4
22	Magnesium (mg/L)	6.2	6.7	4.8	4.3	5.2	5.7
23	Sodium	64	63	57	56.5	38	52.5
24	TDS (mg/L)	110	110	90	90	130	120
25	TSS (mg/L)	70	50	50	50	70	50
26	Phosphate (mg/L)	0.133	0.127	0.114	0.052	0.047	0.069