

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: FEBRUARY, 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)	1.4	1.2	0.2	0.4	0.2	1.2
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Pale Yellow
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	urine smell
5	Velocity of Flow(m/sec)	0.5	0.5	0.3	0.3	NA	NA
6	Water Temp. (°C)	15	15	16	16	15	13
7	D.O(mg/L)	7.6	7.8	7.9	7.9	5.7	2.3
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	7.23	7.17	7.52	7.21	7.36	7.4
11	Conductivity(us/cm)	48	56	60	75	94	181
12	BOD (mg/L)	1.4	1.6	1.5	1.3	1.2	0.9
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.051	0.046	0.058	0.057	0.051	0.041
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	87.8	92.9	55.7	174
18	Chloride (mg/L)	7.5	7.4	7.5	7.5	34.1	75.8
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.41	0.452	0.224	0.464	0.357	0.376
20	Total hardness (mg/L)	50	54	64	70	70	124
21	Calcium (mg/L)	9.6	12	16	18.4	18.4	38.4
22	Magnesium (mg/L)	6.2	5.7	5.7	5.7	5.7	6.7
23	Sodium (mg/L)	48.5	61	49	59.5	57.5	57
24	TDS (mg/L)	150	170	150	170	90	110
25	TSS (mg/L)	80	90	70	80	40	50
26	Phosphate (mg/L)	0.094	0.133	0.125	0.148	0.055	0.094

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Sl. No.	PARAMETER	RESULT					
		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)	0.4	0.7	1.2	0.4	0.2	0.5
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.3	0.9	N/A	1.5	0.3	0.3
6	Water Temp. (°C)	14	13	16	15	15	16
7	D.O(mg/L)	6.8	8.5	6.4	5.7	6.1	8
8	Major polluting sources	Agriculture	Agriculture	Agriculture	Agriculture	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	7.11	7.2	7.52	7.23	7.5
11	Conductivity(us/cm)	117	88	1.4	71	67	82
12	BOD (mg/L)	1.3	1.6	0.049	1.2	1.2	1.7
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.073	0.044	59.1	0.051	0.036	0.063
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)	76	84.5	59.1	30.3	79.4	76
18	Chloride (mg/L)	7.5	30.3	3.7	6.8	11.3	8.3
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.403	0.331	0.483	0.236	0.205	0.365
20	Total hardness (mg/L)	54	70	32	64	64	74
21	Calcium (mg/L)	12	17.6	5.6	17.6	17.6	20
22	Magnesium (mg/L)	5.7	6.2	4.3	4.8	4.8	5.7
23	Sodium (mg/L)	70	50	58	57	49	38
24	TDS (mg/L)	170	120	130	140	110	140
25	TSS (mg/L)	90	70	70	60	60	70
26	Phosphate (mg/L)	0.114	0.083	0.063	0.103	0.069	0.118

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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: 3723
		13	14	15	16	17	18
1	Weather	Clear	Clear	Clear	Clear	Clear	Clear
2	Depth of water body (m)	0.4	0.4	0.3	0.3	0.5	N/A
3	Colour	Colourless	Colourless	Pale Yellow	Colourless	Pale Yellow	Colourless
4	Odour	Odourless	Odourless	Tobacco Sme	Odourless	Odourless	Odourless
5	Velocity of Flow(m/s)	0.5	0.5	1.2	0.2	N/A	
6	Water Temp. (°C)	17	16	17	15	16	
7	D.O(mg/L)	7.1	8.2	6.1	4.7	5	7.6
8	Major polluting sources	Agriculture	Agriculture	Domestic	Domestic	Domestic	
9	Use of water at or in down stream of monitoring stations					Fish pond	Fish pond

CORE PARAMETERS

10	pH	6.9	7.15	7.32	7.29	7.54	7.4
11	Conductivity(us/cm)	93	98	152	134	97	115
12	BOD (mg/L)	1.2	1.4	1.2	1.2	1.1	1.4
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.062	0.052	0.059	0.048	0.035	0.056
14	Faecal Coliform	NA	NA	NA	NA	NA	N/A
15	Total Coliform	NA	NA	NA	NA	NA	N/A

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	87.8	89.5	223	160.5	45.6	45.6
18	Chloride (mg/L)	7.5	9.8	86.5	83.4	41.7	11.3
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.357	0.441	0.312	0.422	0.251	0.429
20	Total hardness (mg/L)	64	84	174	130	84	60
21	Calcium (mg/L)	17.6	22.4	52	40	23.2	16
22	Magnesium (mg/L)	4.8	6.7	10.5	7.2	6.2	4.8
23	Sodium (mg/L)	60.5	47	53	56	47	58
24	TDS (mg/L)	150	190	150	160	140	150
25	TSS (mg/L)	80	110	80	90	70	70
26	Phosphate (mg/L)	0.093	0.13	0.111	0.097	0.082	0.127

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Sl. No.	PARAMETER	RESULT					
		STATION CODE: 3724	STATION CODE: 3725	STATION CODE: 3726	STATION CODE: 3727	STATION CODE: 3728	STATION CODE: 3729
		19	20	21	22	23	24
1	Weather	Clear	Clear	Clear	Clear	Clear	Clear
2	Depth of water body (m)	0.4	0.5	0.2		0.8	N/A
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/s)	0.2	N/A	N/A	N/A	N/A	N/A
6	Water Temp. (°C)	15	15	15		16	18
7	D.O(mg/L)	6.6	5.8	6.7	6.1	6.3	0.4
8	Major polluting sources	Agriculture	Domestic	Domestic	Domestic	Domestic	Domestic
9	Use of water at or in down stream of monitoring stations		Domestic	Domestic	Domestic	Domestic	Washing

CORE PARAMETERS

10	pH	7.24	7.46	7.52	7.34	7.2	7.4
11	Conductivity(us/cm)	95	85	112	114	96	112
12	BOD (mg/L)	1.4	1.3	1.4	1.2	1.3	
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.048	0.058	0.066	0.06	0.048	0.045
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)	54	50.7	54	25.3	62.5	92.9
18	Chloride (mg/L)	9.8	18.9	41.7	26.5	16.6	55.3
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.338	0.437	0.376	0.483	0.255	0.277
20	Total hardness (mg/L)	70	64	84	80	50	124
21	Calcium (mg/L)	18.4	16	24	20	12	39.2
22	Magnesium (mg/L)	5.7	5.7	5.7	7.2	4.8	6.2
23	Sodium (mg/L)	46	60	59	61	62.5	54
24	TDS (mg/L)	140	110	110	100	90	130
25	TSS (mg/L)	70	40	50	60	50	70
26	Phosphate (mg/L)	0.094	0.141	0.102	0.131	0.083	0.063

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Sl. No.	PARAMETER	RESULT					
		STATION CODE: 3730	STATION CODE: 3731	STATION CODE: 3732	STATION CODE: 3733	STATION CODE: 3749	STATION CODE: 3750
		25	26	27	28	29	30
1	Weather	Clear	Clear	Clear	Clear	Clear	Clear
2	Depth of water body (m)	N/A	N/A	N/A	N/A	1	0.5
3	Colour	Colourless	Colourless	Colourless	Colourless	Pale green	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/s)	N/A	N/A	N/A	N/A	5	3
6	Water Temp. (°C)	16	18	17	16	21	16
7	D.O(mg/L)	3.5	4	1.2	2.3		8.4
8	Major polluting sources	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic
9	Use of water at or in down stream of monitoring stations	Washing	Washing	Washing	Washing	Washing	Washing

CORE PARAMETERS

10	pH	7.13	7.35	7.7	7.12	8.1	7.6
11	Conductivity(us/cm)	110	104	89	117	112	109
12	BOD (mg/L)	1.1	1	0.4	0.9		1.6
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.039	0.045	0.047	0.04	0.06	0.055
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)	89.5	101.4	89.5	54	177.4	96.3
18	Chloride (mg/L)	16.6	49.3	34.1	17.4	15.1	7.5
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.217	0.422	0.312	0.247	0.452	0.399
20	Total hardness (mg/L)	70	106	104	70	126	64
21	Calcium (mg/L)	18.4	32	30.4	19.2	37.6	16
22	Magnesium (mg/L)	5.7	6.2	6.7	5.2	7.6	5.7
23	Sodium (mg/L)	60.5	42	52	44	57.5	51
24	TDS (mg/L)	110	90	110	130	150	190
25	TSS (mg/L)	50	60	50	60	70	90
26	Phosphate (mg/L)	0.044	0.127	0.138	0.117	0.14	0.131

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Sl. No.	PARAMETER	RESULT				
		STATION CODE: 3751	STATION CODE: 3752	STATION CODE: 3753	STATION CODE: 3754	STATION CODE: 3755
		31	32	33	34	35
1	Weather	Clear	Clear	Clear	Clear	Clear
2	Depth of water body (m)	0.4	1.2	0.28	1	1
3	Colour	Colourless	Colourless	Colourless	Pale green	Reddish
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/s)	4	0.2	N/A	0.5	N/A
6	Water Temp. (°C)	19	18	15	17	
7	D.O(mg/L)	9.1	6.2	6.2	7.7	7.2
8	Major polluting sources	Domestic	Domestic	Domestic	Domestic	Domestic
9	Use of water at or in down stream of monitoring stations	Washing	Public	Washing	Boating	Fish pond

CORE PARAMETERS

10	pH	7.9	6.9	6.2	7.9	9
11	Conductivity(us/cm)	84	83	76	105	124
12	BOD (mg/L)	1.9	1.2	1.5	1.3	1.6
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.049	0.055	0.059	0.063	0.078
14	Faecal Coliform	NA	0.055	NA	NA	NA
15	Total Coliform	NA	NA	NA	NA	NA

GENERAL PARAMETERS

16	Turbidity (NTU)					
17	Alkalinity (mg/L)	76	92.9	21.9	101.4	74.3
18	Chloride (mg/L)	7.5	9.8	60	7.5	11.3
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.464	0.467	0.35	0.502	0.562
20	Total hardness (mg/L)	70	96	26	90	84
21	Calcium (mg/L)	17.6	36	4	25.6	24
22	Magnesium (mg/L)	6.2	6.2	3.8	6.2	5.7
23	Sodium (mg/L)	62	54	56	66.5	97
24	TDS (mg/L)	170	150	90	210	130
25	TSS (mg/L)	80	70	50	130	70
26	Phosphate (mg/L)	0.116	0.073	0.069	0.168	0.193