

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: DECEMBER 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)	0.6	0.5	0.4	0.5	0.4	0.9
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.5	0.6	0.5	0.4	N/A	N/A
6	Water Temp. (°C)	19	19	20	20	17	15
7	D.O(mg/L)	5.4	5.3	5.4	5.2	6.3	2.9
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	6.9	7	7.5	7.8	6.7
11	Conductivity(us/cm)	157	126	233	176	192	596
12	BOD (mg/L)	1.3	1.6	1.3	1.5	1.6	0.9
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.126	0.151	0.052	0.068	0.055	0.137
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	31.6	29.7	83.1	99	23.7	118.8
18	Chloride (mg/L)	9.9	8.9	47.6	44.6	31.7	64.5
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	1.6	1.383	0.293	0.376	0.456	1.3
20	Total hardness (mg/L)	34	36	110	116	74	150
21	Calcium (mg/L)	8	80	30.4	28	20	44
22	Magnesium (mg/L)	3.3	3.8	8.1	11	5.7	9.6
23	Sodium (mg/L)	37	41	37.5	36	29.5	94
24	TDS (mg/L)	110	100	130	120	90	100
25	TSS (mg/L)	70	70	60	90	30	40
26	Phosphate (mg/L)	0.436	0.623	0.161	0.11	0.11	0.361

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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: 3714
		7	8	9	10	11	12
1	Weather	Clear	Clear	Clear	Clear	Clear	Clear
2	Depth of water body (m)	0.5	0.4	0.3	0.4	0.5	0.2
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	0.8	0.7	N/A	0.5
6	Water Temp. (°C)	20	18	18	19	17	17
7	D.O(mg/L)	6.1	5.8	6	4.7	6.3	6.9
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	Use as public water supply			

CORE PARAMETERS

10	pH	7.2	7.1	7.3	7.3	7.9	7.2
11	Conductivity(us/cm)	77	252	57	176	69	89
12	BOD (mg/L)	1.3	1.6	1.6	1.2	1.7	0.6
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.063	0.244	0.078	0.096	0.101	0.112
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	45.5	41.5	21.7	63.3	13.8	14.8
18	Chloride (mg/L)	9.9	9.9	7.9	10.9	10.9	8.5
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.338	0.847	0.73	0.806	0.699	0.345
20	Total hardness (mg/L)	52	50	28	60	30	34
21	Calcium (mg/L)	12	11.2	7.2	14.4	7.2	10.1
22	Magnesium (mg/L)	5.2	5.2	2.4	5.7	2.8	4.8
23	Sodium (mg/L)	47	39	24	34	85.5	67
24	TDS (mg/L)	120	110	120	110	100	90
25	TSS (mg/L)	70	50	50	50	40	40
26	Phosphate (mg/L)	0.178	0.203	0.133	0.485	0.162	0.122

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Sl. No.	PARAMETER	RESULT					
		STATION CODE: 3715	STATION CODE: 3716	STATION CODE: 3717	STATION CODE: 3718	STATION CODE: 3719	STATION CODE: 3720
		13	14	15	16	17	18
1	Weather	Clear	Clear	Clear	Clear	Clear	Cloudy
2	Depth of water body (m)	0.4	0.4	0.5	0.3	0.5	6.5
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.3	0.5	0.3	0.5	1	1
6	Water Temp. (°C)	20	20	20	18	16	16
7	D.O(mg/L)	4.9	4.6	4.7	6.6	9	9
8	Major polluting sources	Agriculture	Agriculture	Agriculture	Domestic	Agriculture	Agriculture
9	Use of water at or in down stream of monitoring stations						

CORE PARAMETERS

10	pH	7.2	7.6	7.5	8.3	7.5	7.5
11	Conductivity(us/cm)	189	216	178	195	232	233
12	BOD (mg/L)	1.2	1.1	1.5	1.7	2	2.3
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.056	0.051	0.052	0.13	0.061	0.046
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	81.1	45.5	83.1	89.1	41.5	93
18	Chloride (mg/L)	39.7	7.9	33.7	52.6	8.9	27.7
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.376	0.334	0.065	0.859	0.213	0.186
20	Total hardness (mg/L)	106	54	96	110	50	52
21	Calcium (mg/L)	28	12	24.8	26.4	11.2	11.2
22	Magnesium (mg/L)	8.6	5.7	6.5	10.5	5.2	5.7
23	Sodium (mg/L)	24	34	36	66	12.5	16.5
24	TDS (mg/L)	120	120	130	120	130	130
25	TSS (mg/L)	70	60	70	60	60	70
26	Phosphate (mg/L)	0.114	0.179	0.014	0.121	0.104	0.116

**WATER QUALITY DATA UNDER NWMP, MIZORAM
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Sl. No.	PARAMETER	RESULT					
		STATION CODE: 3721	STATION CODE: 3722	STATION CODE: 3723	STATION CODE: 3724	STATION CODE: 3725	STATION CODE: 3726
		19	20	21	22	23	24
1	Weather	Clear	Clear	Clear	Clear	Clear	Clear
2	Depth of water body (m)	0.3	5	2	0.5	0.2	0.3
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.7	N/A	N/A	0.4	N/A	N/A
6	Water Temp. (°C)	18	19	17	19	18	17
7	D.O(mg/L)	5.4	4.9	5.6	6.6	6.1	5.9
8	Major polluting sources	Domestic	Domestic		Agriculture	Domestic	Domestic
9	Use of water at or in down stream of monitoring stations		Fish pond	Fish pond		Domestic	Domestic

CORE PARAMETERS

10	pH	8.2	8	7.5	7	7.9	8.2
11	Conductivity(us/cm)	188	182	222	87	190	193
12	BOD (mg/L)	1.3	1.3	1.3	1.7	1.5	1.5
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.091	0.115	0.042	0.048	0.122	0.096
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	39.6	29.7	39.6	49.5	21.7	21.7
18	Chloride (mg/L)	44.6	34.7	9.9	7.9	34.7	31.7
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.414	0.874	0.414	0.376	0.825	0.422
20	Total hardness (mg/L)	76	54	46	56	66	72
21	Calcium (mg/L)	18.4	12	10.4	12	17.6	18.4
22	Magnesium (mg/L)	7.2	5.2	4.8	6.2	5.2	6.2
23	Sodium (mg/L)	68.5	35.5	7	35	37	30
24	TDS (mg/L)	120	130	120	100	90	90
25	TSS (mg/L)	60	60	70	40	40	40
26	Phosphate (mg/L)	0.076	0.206	0.127	0.24	0.145	0.14

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Sl. No.	PARAMETER	RESULT					
		STATION CODE: 3727	STATION CODE: 3728	STATION CODE: 3729	STATION CODE: 3730	STATION CODE: 3731	STATION CODE: 3732
		25	26	27	28	29	30
1	Weather	Clear	Clear	Clear	Clear	Clear	Clear
2	Depth of water body (m)	0.3	1	N/A	N/A	N/A	N/A
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	iron smell	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	N/A	N/A	N/A	N/A	N/A	N/A
6	Water Temp. (°C)	18	16	16	15	16	15
7	D.O(mg/L)	5.8	6	4	5.8	4.6	3.7
8	Major polluting sources	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic
9	Use of water at or in down stream of monitoring stations	Domestic	Domestic	Washing	Washing	Washing	Washing

CORE PARAMETERS

10	pH	8.1	7.6	7.1	7.2	7	7.2
11	Conductivity(us/cm)	194	84	222	259	233	271
12	BOD (mg/L)	1.7	1.6	1.2	1.5	1.1	1.2
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.088	0.017	0.052	0.116	0.104	0.09
14	Faecal Coliform (MPN)			0	0	0	
15	Total Coliform (MPN)			7	7.3	6	

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	25.7	29.7	138.6	27.7	118.8	95
18	Chloride (mg/L)	41.6	12.9	22.8	66.5	83.4	21.8
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	1.212	0.464	0.369	1.14	0.882	0.718
20	Total hardness (mg/L)	76	46	126	136	206	130
21	Calcium (mg/L)	19.2	10.4	36	36	62.4	37.6
22	Magnesium (mg/L)	6.7	4.8	8.6	11	12	8.6
23	Sodium (mg/L)	66.5	24	32	41	60.5	33.5
24	TDS (mg/L)	80	110	110	90	80	100
25	TSS (mg/L)	30	50	50	40	30	40
26	Phosphate (mg/L)	0.133	0.127	0.329	0.348	0.234	0.282

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Sl. No.	PARAMETER	RESULT					
		STATION CODE: 3733	STATION CODE: 3734	STATION CODE: 3735	STATION CODE: 3736	STATION CODE: 3737	STATION CODE: 3738
		31	32	33	34	35	36
1	Weather	Clear	Clear	Clear	Clear	Clear	Clear
2	Depth of water body (m)	N/A	0.9	0.7	2	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/sec)	N/A	1.1	2	0.3	N/A	N/A
6	Water Temp. (°C)	18	14	16	15	15	12
7	D.O(mg/L)	2.5	5.9	6.7	5.7	6	5.7
8	Major polluting sources	Domestic	Agriculture	Agriculture	Agriculture	-	Domestic
9	Use of water at or in down stream of monitoring stations	Washing	-	Washing, plantation	public water supply	public water supply	Washing

CORE PARAMETERS

10	pH	7.4	7.2	7.1	6.9	7.3	7.4
11	Conductivity(us/cm)	68	5	104	103	99	103
12	BOD (mg/L)	0.8	1.6	2	1.8	2	1.8
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.069	0.041	0.048	0.046	0.037	0.034
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	49.5	29.7	45.5	25.7	25.7	25.7
18	Chloride (mg/L)	31.7	8.9	9.9	9.9	8.9	10.9
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.194	0.57	0.559	0.38	0.483	0.6
20	Total hardness (mg/L)	76	34	50	30	50	46
21	Calcium (mg/L)	20	8	11.2	8	11.2	10.4
22	Magnesium (mg/L)	6.2	3.3	5.2	2.4	5.2	4.8
23	Sodium (mg/L)	35	13.5	13.5	11.5	3.5	13
24	TDS (mg/L)	110	130	110	120	110	90
25	TSS (mg/L)	50	70	60	70	50	40
26	Phosphate (mg/L)	0.124	0.117	0.127	0.035	0.09	0.069

**WATER QUALITY DATA UNDER NWMP, MIZORAM
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Sl. No.	PARAMETER	RESULT					
		STATION CODE: 3739	STATION CODE: 3740	STATION CODE: 3741	STATION CODE: 3742	STATION CODE: 3743	STATION CODE: 3744
		37	38	39	40	41	42
1	Weather	Clear	Clear	Clear	Clear	Clear	Clear
2	Depth of water body (m)	N/A	0.3	0.4	N/A	5	2
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Metallic smell	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	N/A	1.5	N/A	N/A	N/A	1.2
6	Water Temp. (°C)	15	21	21	20	19	19
7	D.O(mg/L)	7.5	5.7	7.2	2	6.5	6.4
8	Major polluting sources	Domestic	Agriculture	Domestic	Domestic	Agriculture	Agriculture
9	Use of water at or in down stream of monitoring stations	Domestic	Public water supply	Domestic	Domestic	Public water supply	Domestic

CORE PARAMETERS

10	pH	7.1	7.1	7.2	6.8	7.1	7.3
11	Conductivity(us/cm)	105	110	127	126	121	115
12	BOD (mg/L)	1.9	1.5	1.6	0.9	0.7	1.2
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.022	0.097	0.045	0.123	0.112	0.093
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	63.2	23.7	29.7	124.7	50.9	45.6
18	Chloride (mg/L)	9.9	6.9	31.7	13.4	9.7	8.6
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.281	0.422	0.403	0.365	0.214	0.198
20	Total hardness (mg/L)	66	14	90	110	56	64
21	Calcium (mg/L)	16	4	24	30.4	17.5	16.3
22	Magnesium (mg/L)	6.2	0.9	7.2	8.1	4.8	5
23	Sodium (mg/L)	39	29	31	34	37	35
24	TDS (mg/L)	90	100	90	110	100	110
25	TSS (mg/L)	40	50	40	40	50	60
26	Phosphate (mg/L)	0.045	0.104	0.193	0.204	0.098	0.086

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Sl. No.	PARAMETER	RESULT					
		STATION CODE: 3745	STATION CODE: 3746	STATION CODE: 3747	STATION CODE: 3748	STATION CODE: 3749	STATION CODE: 3750
		43	44	45	46	47	48
1	Weather	Clear	Clear	Clear	Clear	Clear	Clear
2	Depth of water body (m)	0.3	0.9	0.2	0.1	1.5	1
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	N/A	0.1	N/A	N/A	1.4	1
6	Water Temp. (°C)	17	17	14	17	19	19
7	D.O(mg/L)	6.1	9.8	9.5	9.2	6.8	6.4
8	Major polluting sources	Domestic	Agriculture	Domestic	Domestic	Agriculture	Agriculture
9	Use of water at or in down stream of monitoring stations	Domestic	Public water supply	Washing	Domestic	Public water supply	Domestic

CORE PARAMETERS

10	pH	7.1	6.5	7.4	7.2	7.3	7.2
11	Conductivity(us/cm)	134	57	84	44	67	78
12	BOD (mg/L)	1.2	0.9	1.1	1.6	0.9	1.3
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.134	0.03	0.033	0.04	0.067	0.127
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	35.6	27.7	21.7	19.8	26.4	23.7
18	Chloride (mg/L)	10.4	9.9	7.9	6.9	8.5	8.9
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.234	0.357	0.095	0.315	0.156	0.143
20	Total hardness (mg/L)	68	26	30	34	38	40
21	Calcium (mg/L)	10.4	6.4	7.2	8	93	8.6
22	Magnesium (mg/L)	4.8	2.4	2.8	3.3	3.4	3.8
23	Sodium (mg/L)	54	29	31	23	46	44
24	TDS (mg/L)	100	120	120	110	90	100
25	TSS (mg/L)	40	50	60	50	50	40
26	Phosphate (mg/L)	0.126	0.065	0.062	0.109	0.068	0.074

**WATER QUALITY DATA UNDER NWMP, MIZORAM
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Sl. No.	PARAMETER	RESULT					
		STATION CODE: 3751	STATION CODE: 3752	STATION CODE: 3753	STATION CODE: 3754	STATION CODE: 3755	STATION CODE: 3756
		49	50	51	52	53	54
1	Weather	Clear	Clear	Clear	Clear	Clear	Clear
2	Depth of water body (m)	1.3	1.2	0.5	2	1.5	0.6
3	Colour	Colourless	Colourless	Colourless	Colourless	Pale red	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.8	0.1	N/A	1.2	N/A	0.8
6	Water Temp. (°C)	18	18	18	19	19	19
7	D.O(mg/L)	6.4	6.9	8.1	7.9	2.7	3.1
8	Major polluting sources	Agriculture	Agriculture	Domestic	Agriculture	Domestic	Domestic
9	Use of water at or in down stream of monitoring stations	Domestic	Public water supply	Washing	Domestic	Fish pond	Domestic

CORE PARAMETERS

10	pH	7.1	7.9	8.2	7	7.2	9.7
11	Conductivity(us/cm)	154	244	271	87	88	219
12	BOD (mg/L)	1.3	1.7	2.3	1.6	0.9	2.2
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.097	0.063	0.096	0.062	0.037	0.051
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	54.1	45.5	25.7	29.7	59.4	93
18	Chloride (mg/L)	8.7	10.9	8.9	7.9	11.9	21.8
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.214	0.376	0.262	0.505	0.483	0.35
20	Total hardness (mg/L)	63	50	50	52	54	54
21	Calcium (mg/L)	10.6	11.2	12	12	12	12
22	Magnesium (mg/L)	4.8	5.2	4.8	5.2	5.7	5.7
23	Sodium (mg/L)	54	31	24	50	40	56
24	TDS (mg/L)	110	120	110	140	120	160
25	TSS (mg/L)	60	50	50	60	50	70
26	Phosphate (mg/L)	0.113	0.063	0.157	0.337	0.224	0.161

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Sl. No.	PARAMETER	RESULT	
		STATION CODE: 3757	STATION CODE: 3758
		55	56
1	Weather	Clear	Clear
2	Depth of water body (m)	0.2	N/A
3	Colour	Colourless	Colourless
4	Odour	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.1	N/A
6	Water Temp. (°C)	15.5	22
7	D.O(mg/L)	2.2	0.4
8	Major polluting sources	Agriculture	Domestic
9	Use of water at or in down stream of monitoring stations	Use as public water supply	Domestic

CORE PARAMETERS

10	pH	10.6	8.6
11	Conductivity(us/cm)	216	229
12	BOD (mg/L)	2	0.3
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.045	0.145
14	Faecal Coliform (MPN)		
15	Total Coliform (MPN)		

GENERAL PARAMETERS

16	Turbidity (NTU)		
17	Alkalinity (mg/L)	29.7	124.7
18	Chloride (mg/L)	9.9	13.8
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.163	0.334
20	Total hardness (mg/L)	39	130
21	Calcium (mg/L)	8.8	38.8
22	Magnesium (mg/L)	3.8	9.1
23	Sodium (mg/L)	9.5	61
24	TDS (mg/L)	140	90
25	TSS (mg/L)	60	40
26	Phosphate (mg/L)	0.11	0.223