

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: NOVEMBER 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	0.9	0.5	0.6	0.4	1.2
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.7	0.6	1	1.1	N/A	N/A
6	Water Temp. (°C)	21	21	19	19	19	17
7	D.O(mg/L)	5.2	4.9	4.9	4.8	3.1	2.6
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	6.9	6.5	6.9	7	8.4	6.1
11	Conductivity(us/cm)	153	145	163	161	82	674
12	BOD (mg/L)	1.5	1.2	1.2	1.3	0.9	0.9
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.148	0.181	0.04	0.038	0.049	0.136
14	Faecal Coliform (MPN)	0	3.6	9.1	39		7.3
15	Total Coliform (MPN)	210	290	1100	1100		290

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	35.6	31.6	89.1	100.9	19.8	114.8
18	Chloride (mg/L)	8.9	9.9	49.6	46.6	30.7	62.5
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	2.284	2.056	0.224	0.163	0.22	0.95
20	Total hardness (mg/L)	30	34	114	110	70	144
21	Calcium (mg/L)	7.2	8	32	30.4	16.8	39.2
22	Magnesium (mg/L)	2.8	3.3	8.1	8.1	6.7	11
23	Sodium (mg/L)	35	38.5	30	31	40	97
24	TDS (mg/L)	110	110	120	110	90	110
25	TSS (mg/L)	70	80	70	70	30	50
26	Phosphate (mg/L)	0.556	0.812	0.14	0.063	0.055	0.196

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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)	0.4	0.6	0.5	0.4	0.4	0.3
3	Colour	Pale green	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.6	0.8	1.2	1.5	0.5	0.4
6	Water Temp. (°C)	25	18	18	22	18	13
7	D.O(mg/L)	6.1	5.9	6.1	4.8	6.2	7.5
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	7.1	6.9	7.1	6.9	7.8	7.8
11	Conductivity(us/cm)	68	211	57	164	57	89
12	BOD (mg/L)	1.5	1.5	1.2	1.3	1.3	0.9
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.069	0.084	0.036	0.088	0.087	0.073
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	41.5	39.6	25.7	69.3	41.5	19.8
18	Chloride (mg/L)	8.9	10.9	9.9	8.9	42.6	8.9
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.277	0.787	0.559	0.098	0.988	0.338
20	Total hardness (mg/L)	54	46	24	56	74	46
21	Calcium (mg/L)	12	10.4	5.6	13.6	18.4	10.4
22	Magnesium (mg/L)	5.7	4.8	2.4	5.2	6.7	4.8
23	Sodium (mg/L)	44	34	17	30	94	31
24	TDS (mg/L)	110	110	100	120	110	140
25	TSS (mg/L)	80	40	50	60	50	80
26	Phosphate (mg/L)	0.161	0.162	0.116	0.41	0.199	0.148

**WATER QUALITY DATA UNDER NWMP, MIZORAM
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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	0.7	1	0.3	N/A	0.5
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	1.1	0.9	0.7	0.4	1.5	1
6	Water Temp. (°C)	10	19	20	22	19	20
7	D.O(mg/L)	5.4	4.4	5.2	3.7	9.5	9.5
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	7.4	7.2	7.9	7.5	7.6
11	Conductivity(us/cm)	162	168	151	134	130	134
12	BOD (mg/L)	1.3	1	1.2	1	1.9	1.7
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.035	0.032	0.036	0.231	0.035	0.046
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	79.2	43.5	85.1	93	39.6	41.5
18	Chloride (mg/L)	41.6	9.9	37.7	5.6	7.9	9.9
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.167	0.16	0.277	0.581	0.258	0.418
20	Total hardness (mg/L)	102	56	94	116	46	54
21	Calcium (mg/L)	28	12.8	25.6	32.8	10.4	12
22	Magnesium (mg/L)	7.6	5.7	7.2	8.1	4.8	5.7
23	Sodium (mg/L)	30	25.5	32	76	25	26
24	TDS (mg/L)	170	120	150	130	140	130
25	TSS (mg/L)	80	60	90	60	70	80
26	Phosphate (mg/L)	0.076	0.08	0.109	0.244	0.058	0.08

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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	6	0.5	0.3	0.8	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	0.5	N/A	N/A
6	Water Temp. (°C)	17	19	19	23	18	20
7	D.O(mg/L)	5.4	4.8	9.6	6.6	7.7	4
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	8.1	7.8	7.5	6.9	7.9	8.3
11	Conductivity(us/cm)	158	75	123	72	116	88
12	BOD (mg/L)	1.5	1.3	1.7	1.6	1.6	1
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.128	0.02	0.041	0.044	0.046	0.024
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	49.5	33.6	41.5	45.5	39.6	23.7
18	Chloride (mg/L)	39.7	31.7	9.9	8.9	9.9	31.7
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.57	0.27	0.41	0.319	0.289	0.22
20	Total hardness (mg/L)	76	54	50	52	60	70
21	Calcium (mg/L)	19.2	12	12.8	12	16	19.2
22	Magnesium (mg/L)	6.7	5.7	4.3	5.2	4.8	5.2
23	Sodium (mg/L)	67	45	27	36	44	34
24	TDS (mg/L)	110	120	140	120	90	100
25	TSS (mg/L)	50	50	70	60	40	50
26	Phosphate (mg/L)	0.14	0.039	0.214	0.142	0.114	0.069

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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	0.5	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	18	18	18	19	18
7	D.O(mg/L)	5.8	5.8	3.7	1.7	4	3.4
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	7.1	7.2	7.1	7	7.3
11	Conductivity(us/cm)	90	48	258	271	270	248
12	BOD (mg/L)	1.5	1.5	1.1	0.5	1.2	0.9
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.076	0.02	0.04	0.128	0.133	0.134
14	Faecal Coliform (MPN)						0
15	Total Coliform (MPN)						7.2

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	23.7	17.8	134.6	25.7	120.7	99
18	Chloride (mg/L)	41.6	11.9	20.8	64.5	83.3	24.8
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.338	0.236	2.014	1.41	1.193	0.517
20	Total hardness (mg/L)	70	34	130	140	210	136
21	Calcium (mg/L)	18.4	8	40	41.6	64	42.4
22	Magnesium (mg/L)	5.7	3.3	7.2	8.6	12	7.2
23	Sodium (mg/L)	68	20	25	37	75	28
24	TDS (mg/L)	80	90	100	120	90	110
25	TSS (mg/L)	30	40	40	60	30	50
26	Phosphate (mg/L)	0.114	0.104	0.936	0.736	0.206	0.362

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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	0.3	0.8	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	0.9	1.2	0.3	N/A	N/A
6	Water Temp. (°C)	19	20	19	20	16	14
7	D.O(mg/L)	2.5	6.4	6.1	6.7	7.3	5.8
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	7.2	7.2	7.2	8	7.1	7
11	Conductivity(us/cm)	49	128	158	89	50	71
12	BOD (mg/L)	0.8	0.7	1.6	1	0.3	0.5
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.062	0.045	0.049	0.056	0.067	0.081
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	45.5	20.2	23.7	17.8	15.3	21.1
18	Chloride (mg/L)	19.8	10.2	6.9	13.1	8.3	14.3
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.315	0.123	0.319	0.142	0.115	0.135
20	Total hardness (mg/L)	86	50	30	62	34	58
21	Calcium (mg/L)	22.4	13.2	6.4	14.6	10.8	15.6
22	Magnesium (mg/L)	7.2	5.4	3.3	6.4	4.8	7.8
23	Sodium (mg/L)	32	42	16.5	40	20.2	27
24	TDS (mg/L)	120	90	140	80	60	80
25	TSS (mg/L)	50	40	70	50	30	50
26	Phosphate (mg/L)	0.137	0.122	0.145	0.134	0.102	0.128

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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	0.5	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	0.9	N/A	N/A	N/A	1.2
6	Water Temp. (°C)	18	21	20	19	19	23
7	D.O(mg/L)	0.9	6.1	6.9	1.8	13.3	7.5
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	6.3	7.1	7.2	6.7	9.2	6.4
11	Conductivity(us/cm)	170	153	167	163	48	56
12	BOD (mg/L)	0.5	1.5	1.7	0.8	0.9	1.9
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.045	0.051	0.048	0.04	0.062	0.068
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	69.3	19.8	33.6	128.7	13.8	45.5
18	Chloride (mg/L)	8.9	7.9	29.7	11.9	6.9	9.9
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.353	0.3	0.289	0.35	0.331	0.247
20	Total hardness (mg/L)	60	12	84	106	16	50
21	Calcium (mg/L)	13.6	1.6	21.6	28	4	11.2
22	Magnesium (mg/L)	6.2	1.9	7.2	8.6	1.4	5.2
23	Sodium (mg/L)	32.5	12	22	18.5	17.5	24
24	TDS (mg/L)	130	120	90	120	80	140
25	TSS (mg/L)	60	70	30	50	40	70
26	Phosphate (mg/L)	0.162	0.133	0.138	0.087	0.058	0.087

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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	Cloudy	Cloudy
2	Depth of water body (m)	0.3	1.3	0.3	0.4	1.9	1.3
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	N/A	0.3	0.2	N/A	1.5	1.2
6	Water Temp. (°C)	20	19	17	17	20	20
7	D.O(mg/L)	8.6	7.7	7.4	7.5	6.4	6.5
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	Washing

CORE PARAMETERS

10	pH	7.7	8.2	7.3	7.8	7.1	7
11	Conductivity(us/cm)	62	25	34	22	46	70
12	BOD (mg/L)	1.3	1.2	1.1	1.4	0.9	1.2
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.068	0.033	0.056	0.044	0.043	0.052
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	19.8	25.7	19.8	19.8	20.4	19.6
18	Chloride (mg/L)	24.8	9.9	8.9	7.9	9.2	10.7
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.467	0.445	0.118	0.319	0.234	0.198
20	Total hardness (mg/L)	50	36	31	40	56	44
21	Calcium (mg/L)	12	8	7.2	9.6	10.4	11.6
22	Magnesium (mg/L)	4.8	3.8	2.8	3.8	3.8	4.8
23	Sodium (mg/L)	25	24	21	18.5	24	20
24	TDS (mg/L)	110	120	110	110	80	90
25	TSS (mg/L)	50	60	60	50	40	50
26	Phosphate (mg/L)	0.364	0.161	0.018	0.045	0.143	0.128

**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	Cloudy	Clear	Clear	Clear	Clear	Clear
2	Depth of water body (m)	1.5	1.5	0.3	1.9	2.2	0.3
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	1.2	3.8	N/A	1.2	N/A	1.1
6	Water Temp. (°C)	20	22	21	20	20	19
7	D.O(mg/L)	6.6	6.1	6.7			
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	7.2	8.2	8.5	7.2	7.3	7.8
11	Conductivity(us/cm)	136	163	157	120	136	63
12	BOD (mg/L)	1.1	1.2	1.4	1.1	1.8	1.4
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.065	0.057	0.059	0.056	0.089	0.055
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	35.2	49.5	23.7	27.8	40.2	9.9
18	Chloride (mg/L)	10.8	9.9	9.9	11.8	15.6	24.8
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.0234	0.334	0.186	0.234	0.338	0.619
20	Total hardness (mg/L)	56	46	54	42	94	46
21	Calcium (mg/L)	14.3	10.4	12	9.8	15.6	9.6
22	Magnesium (mg/L)	5.6	4.8	5.7	3.8	6.2	5.2
23	Sodium (mg/L)	32	22	16	22	42	44.5
24	TDS (mg/L)	90	120	110	90	130	120
25	TSS (mg/L)	40	80	60	50	60	70
26	Phosphate (mg/L)	0.124	0.137	0.147	0.156	0.254	0.282

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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)	1.3	N/A
3	Colour	Colourless	Colourless
4	Odour	Odourless	metallic smell
5	Velocity of Flow(m/sec)	1.6	N/A
6	Water Temp. (°C)	18	15
7	D.O(mg/L)	6.6	4.6
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	9.6	9.2
11	Conductivity(us/cm)	36	57
12	BOD (mg/L)	0.9	1.9
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.064	0.041
14	Faecal Coliform (MPN)		
15	Total Coliform (MPN)		

GENERAL PARAMETERS

16	Turbidity (NTU)		
17	Alkalinity (mg/L)	25.7	132.6
18	Chloride (mg/L)	10.9	10.9
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.54	0.471
20	Total hardness (mg/L)	34	120
21	Calcium (mg/L)	8	35.2
22	Magnesium (mg/L)	3.3	7.6
23	Sodium (mg/L)	95.5	72
24	TDS (mg/L)	100	110
25	TSS (mg/L)	70	40
26	Phosphate (mg/L)	0.341	0.244