

**WATER QUALITY DATA UNDER NWMP, MIZORAM  
MONITORING PERIOD: FEBRUARY 2016**

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)	0.9	0.5	0.4	0.5	0.5	1
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.4	0.3	0.3	0.4	N/A	N/A
6	Water Temp. (°C)	16	16	15	15	13	12
7	D.O(mg/L)	6.8	7.8	8.1	7.7	6.1	1.5
8	Major polluting sources		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	7.2	7.3	7.1	7.2	7.2	6.8
11	Conductivity(us/cm)	195	198	283	285	274	218
12	BOD (mg/L)	1.4	1.6	1.9	1.4	1.2	0.5
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.089	0.092	0.052	0.053	0.088	0.141
14	Faecal Coliform (MPN)	0	3.6			0	
15	Total Coliform (MPN)	93	93			44	

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0	0	0	0	0.1	0
17	Alkalinity (mg/L)	70	80	90	84	20	202
18	Chloride (mg/L)	9.9	6.9	6.9	8.9	37.7	104.2
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.422	0.502	0.319	0.315	0.676	0.916
20	Total hardness (mg/L)	80	84	84	90	70	196
21	Calcium (mg/L)	20	21.6	21.6	22.4	17.6	60
22	Magnesium (mg/L)	7.2	7.2	7.2	8.1	6.2	11
23	Sodium (mg/L)	37	31	33.5	33.5	44	62
24	TDS (mg/L)	100	110	120	110	80	120
25	TSS (mg/L)	60	60	50	60	60	50
26	Phosphate (mg/L)	0.151	0.367	0.265	0.268	0.162	0.195

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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)	0.6	0.6	0.2	0.6	0.4	0.2
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.5	0.5	N/A	0.9	N/A	N/A
6	Water Temp. (°C)	19	15	15	14	14	11
7	D.O(mg/L)	7.7	7.9	7.3	7.4	3	8.4
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	7	6.9	6.8	6.9	7.2
11	Conductivity(us/cm)	145	198	206	224	339	254
12	BOD (mg/L)	1.6	1.6	1.5	1.6	0.9	1.7
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.087	0.077	0.052	0.097	0.13	0.083
14	Faecal Coliform (MPN)		3.6			3.6	
15	Total Coliform (MPN)		150			23	

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0.1	0	0	0	0.1	0.6
17	Alkalinity (mg/L)	26	74	42	70	160	60
18	Chloride (mg/L)	7.9	31.7	4.9	4.9	74.4	9.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.209	0.471	0.422	0.745	0.973	0.179
20	Total hardness (mg/L)	72	90	34	64	124	66
21	Calcium (mg/L)	19.2	23.2	8	16	36.2	16
22	Magnesium (mg/L)	5.7	7.6	3.3	5.7	8.6	6.2
23	Sodium (mg/L)	52	28	22	33.5	76	14.5
24	TDS (mg/L)	130	110	100	110	110	130
25	TSS (mg/L)	60	40	40	50	50	60
26	Phosphate (mg/L)	0.087	0.155	0.079	0.162	0.595	0.155

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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	Clear
2	Depth of water body (m)	0.4	0.4	0.3	0.2	0.4	0.3
3	Colour	Colourless	Colourless	Colourless	Dark	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.3	0.5	0.3	0.3	0.3	0.4
6	Water Temp. (°C)	16	16	16	15	15	15
7	D.O(mg/L)	8.1	8.1	7.7	4.2	7.2	6.8
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	6.9	7.2	7.1	7.1	6.8	6.9
11	Conductivity(us/cm)	287	290	290	177	266	290
12	BOD (mg/L)	1.8	1.9	1.8	1.1	1.9	6.8
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.062	0.062	0.061	0.114	0.09	0.094
14	Faecal Coliform (MPN)			15			
15	Total Coliform (MPN)			1100			

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0	0	0	0.2	1	2.3
17	Alkalinity (mg/L)	86	82	88	320	84	82
18	Chloride (mg/L)	9.9	9.9	8.9	114.1	7.9	7.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.369	0.365	0.35	0.969	0.346	0.456
20	Total hardness (mg/L)	80	88	84	180	70	84
21	Calcium (mg/L)	18.4	22.4	20	53.6	16.8	20
22	Magnesium (mg/L)	8.1	7.6	8.1	11	6.7	8.1
23	Sodium (mg/L)	31	29.5	27.5	68	27	28
24	TDS (mg/L)	130	110	150	150	120	130
25	TSS (mg/L)	70	50	70	80	50	60
26	Phosphate (mg/L)	0.252	0.257	0.254	0.147	0.257	0.219

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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	7	1.2	0.3	0.8	0.4
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Mud smell	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)	14	15	17	15	15	12
7	D.O(mg/L)	4	5.1	5.4	7.2	6.3	6.6
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	7.2	6.9	7.2	7.1	7.9	8.1
11	Conductivity(us/cm)	334	318	310	199	310	249
12	BOD (mg/L)	1.1	1.3	1.3	1.5	1.4	1.3
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.09	0.114	0.117	0.068	0.138	0.127
14	Faecal Coliform (MPN)						0
15	Total Coliform (MPN)						460

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0.1	10	6	0.2	0	0.1
17	Alkalinity (mg/L)	204	46	46	80	42	20
18	Chloride (mg/L)	96.2	39.7	8.9	8.9	41.6	39.7
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.281	0.547	0.441	0.559	0.882	0.714
20	Total hardness (mg/L)	190	70	50	70	74	76
21	Calcium (mg/L)	57.6	17.6	11.2	18.4	18.4	18.4
22	Magnesium (mg/L)	11	6.2	5.2	5.7	6.7	7.2
23	Sodium (mg/L)	100	48	16.5	40	44	46
24	TDS (mg/L)	100	110	100	110	80	70
25	TSS (mg/L)	40	40	40	50	30	30
26	Phosphate (mg/L)	0.09	0.264	0.382	0.228	0.25	0.154

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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)	0.2	0.9	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)	14	14	15	17	18	17
7	D.O(mg/L)	5.9	6.8	1.6	1.3	1.5	1.5
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	7.8	7.3	6.6	6.4	6.9	7.1
11	Conductivity(us/cm)	313	603	230	204	204	212
12	BOD (mg/L)	1.3	1.5	1.5	0.5	0.6	0.5
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.087	0.108	0.144	0.081	0.138	0.084
14	Faecal Coliform (MPN)		3.6				
15	Total Coliform (MPN)		15				

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0	0	0.5	0.4	8.4	0.2
17	Alkalinity (mg/L)	40	40	78	66	164	56
18	Chloride (mg/L)	54.5	11.9	60.1	74.4	94.2	71.4
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.6	0.703	0.452	0.441	0.817	0.422
20	Total hardness (mg/L)	104	82	164	150	230	150
21	Calcium (mg/L)	36	20	49.6	45.6	72.4	43.2
22	Magnesium (mg/L)	8.1	7.6	11.4	8.6	12.9	10
23	Sodium (mg/L)	74.5	39	45.2	35.5	52.5	26
24	TDS (mg/L)	90	90	120	100	90	110
25	TSS (mg/L)	30	30	60	40	40	50
26	Phosphate (mg/L)	0.075	0.682	0.356	0.329	0.523	0.344

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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	0.4	0.6	3.5	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	0.5	0.7	0.1	N/A	N/A
6	Water Temp. (°C)	15	14	17	20	14	10
7	D.O(mg/L)	2	9.7	10.2	7.5	8.2	8.4
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	6.8	7	7.2	7	7.1
11	Conductivity(us/cm)	340	668	676	574	664	687
12	BOD (mg/L)	0.6	1.9	2.7	1.5	2	1.9
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.125	0.094	0.12	0.077	0.098	0.064
14	Faecal Coliform (MPN)	0					
15	Total Coliform (MPN)	3.6					

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0	0	0	0	0	0
17	Alkalinity (mg/L)	174	46	48	42	84	26
18	Chloride (mg/L)	20.8	7.9	6.9	9.9	62.5	11.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	1.053	0.543	0.346	0.722	0.441	0.247
20	Total hardness (mg/L)	124	64	60	44	100	46
21	Calcium (mg/L)	38	16	13.6	11.2	27.2	12
22	Magnesium (mg/L)	8.1	5.7	6.2	3.8	7.6	3.8
23	Sodium (mg/L)	32	17	16.5	24.5	6.5	16
24	TDS (mg/L)	120	130	130	120	90	80
25	TSS (mg/L)	50	60	60	50	40	40
26	Phosphate (mg/L)	0.663	0.451	0.345	0.47	0.423	0.207

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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
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	0.6	N/A	N/A	N/A	0.6
6	Water Temp. (°C)	16	21	20	19	16	18
7	D.O(mg/L)	5.1	5.7	8.9	2	7.6	7.8
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	6.8	7.1	7.1	7.3	7.2	7.1
11	Conductivity(us/cm)	703	351	362	420	233	266
12	BOD (mg/L)	1.1	1.4	2.1	0.8	0.5	0.8
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.14	0.105	0.124	0.123	0.116	0.131
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0.1	0.4	0.6	0.8	0.4	0.5
17	Alkalinity (mg/L)	202	24	10	124	20	110
18	Chloride (mg/L)	12.9	6.9	36.7	11.9	4.9	10.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.422	0.676	0.726	0.399	0.418	0.464
20	Total hardness (mg/L)	190	20	82	11	26	94
21	Calcium (mg/L)	64	3.2	20	30.4	6.4	24.8
22	Magnesium (mg/L)	12	2.8	7.6	8.1	2.4	7.6
23	Sodium (mg/L)	60	32.5	37	32	45	39
24	TDS (mg/L)	110	110	90	120	80	120
25	TSS (mg/L)	50	50	30	60	30	50
26	Phosphate (mg/L)	0.596	0.145	0.354	0.192	0.34	0.409

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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)	0.5	0.6	0.1	0.3	0.8	0.7
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	N/A	0.2	N/A	N/A	0.5	0.7
6	Water Temp. (°C)	15	15	14	15	17	17
7	D.O(mg/L)	4.6	7.2	7.8	9.4	6.9	7.3
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	7.1	6.8	7.2	6.9	7.1	7.3
11	Conductivity(us/cm)	259	121	263	261	156	122
12	BOD (mg/L)	1.3	1.2	1.5	1.7	0.9	1
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.12	0.064	0.072	0.088	0.112	0.123
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0.7	0.5	0.6	0.5	0.1	0.2
17	Alkalinity (mg/L)	66	44	30	54	34	46
18	Chloride (mg/L)	24.8	9.9	4.9	11.9	10.7	9.8
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.456	0.334	0.163	0.088	0.126	0.134
20	Total hardness (mg/L)	70	68	42	62	57	58
21	Calcium (mg/L)	16.8	17.4	11.2	14.4	13.6	14.2
22	Magnesium (mg/L)	6.7	5.2	3.3	6.2	4.8	6
23	Sodium (mg/L)	39.5	22	22	21	28	27
24	TDS (mg/L)	90	110	100	90	90	110
25	TSS (mg/L)	40	50	40	30	50	60
26	Phosphate (mg/L)	0.375	0.144	0.172	0.252	0.156	0.138



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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)	0.8	1.2	0.28	1	2	0.31
3	Colour	Colourless	Colourless	Colourless	Colourless	pale red	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	metallicsmell	Odourless
5	Velocity of Flow(m/sec)	1.2	0.3	N/A	1	N/A	0.61
6	Water Temp. (°C)	19	19	15	18	18	15
7	D.O(mg/L)	6.9	7.2	9.4	7.1	5.8	5.9
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	7.6	7.8	7	8.2	9
11	Conductivity(us/cm)	167	286	232	133	262	163
12	BOD (mg/L)	0.8	0.5	1.2	1.5	1.4	1.3
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.115	0.019	0.011	0.097	0.142	0.13
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0	0.5	0	0.2	6.2	0.1
17	Alkalinity (mg/L)	68	40	24	50	76	94
18	Chloride (mg/L)	10.6	7.9	12.9	9.9	12.9	9.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.167	0.27	0.182	0.388	0.714	0.426
20	Total hardness (mg/L)	64	44	40	56	90	80
21	Calcium (mg/L)	18.6	12	18.4	12	22.4	22.4
22	Magnesium (mg/L)	4.8	3.3	3.3	6.2	8.1	8.1
23	Sodium (mg/L)	31	39	41	68	39	32.5
24	TDS (mg/L)	120	110	80	130	90	130
25	TSS (mg/L)	60	50	30	60	30	60
26	Phosphate (mg/L)	0.158	0.178	0.219	0.358	0.42	0.502

**WATER QUALITY DATA UNDER NWMP, MIZORAM  
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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)	0.6	N/A
3	Colour	Colourless	Colourless
4	Odour	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.5	N/A
6	Water Temp. (°C)	17	19
7	D.O(mg/L)	7.2	5.2
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	8	8
11	Conductivity(us/cm)	256	273
12	BOD (mg/L)	0.8	1.5
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.116	0.136
14	Faecal Coliform (MPN)		
15	Total Coliform (MPN)		

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0.6	60
17	Alkalinity (mg/L)	46	144
18	Chloride (mg/L)	8.9	11.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.502	0.407
20	Total hardness (mg/L)	56	130
21	Calcium (mg/L)	12.8	37.6
22	Magnesium (mg/L)	5.7	8.6
23	Sodium (mg/L)	45.5	38
24	TDS (mg/L)	140	80
25	TSS (mg/L)	60	30
26	Phosphate (mg/L)	0.406	0.358

**Issued by Mizoram Pollution Control Board**