

**WATER QUALITY DATA UNDER NWMP, MIZORAM  
MONITORING PERIOD: MARCH 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)	1.2	0.8	0.3	0.3	0.3	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	0.8	0.4	0.3	N/A	N/A
6	Water Temp. (°C)	25	25	27	27	15	17
7	D.O(mg/L)	6.8	7	8.6	8.5	4.1	3.7
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	8	8.1	7.1	7.6	7.4	7.8
11	Conductivity(us/cm)	637	642	168	159	288	662
12	BOD (mg/L)	1.5	1.4	2.2	1.9	1.2	1.2
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.015	0.012	0.016	0.013	0.119	0.141
14	Faecal Coliform (MPN)	0	9.1	3.6	9.1		
15	Total Coliform (MPN)	290	460	1100	2400		

**GENERAL PARAMETERS**

16	Turbidity (NTU)	2	2.7	5.6	5.8	0	24.7
17	Alkalinity (mg/L)	70	68	122	124	20	160
18	Chloride (mg/L)	8.9	7.9	9.9	9.9	31.7	100.2
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.182	0.148	0.072	0.095	0.441	2.223
20	Total hardness (mg/L)	84	80	90	90	72	190
21	Calcium (mg/L)	20	19.2	21.6	22.4	20	57.6
22	Magnesium (mg/L)	8.1	7.6	8.6	8.1	5.2	11
23	Sodium (mg/L)	28	29.5	13.5	51.5	48.5	100
24	TDS (mg/L)	130	140	100	120	70	90
25	TSS (mg/L)	60	60	40	50	30	40
26	Phosphate (mg/L)	0.079	0.069	0.692	0.111	0.375	0.804

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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)	0.2	0.8	0.3	0.6	0.4	N/A
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.3	0.7	0.9	1.1	1.3	N/A
6	Water Temp. (°C)	23	23	23	24	18	17
7	D.O(mg/L)	6.4	7.4	7.6	6.3	3.4	6.1
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	8.1	7.6	8.4	7.2	7.1
11	Conductivity(us/cm)	184	655	651	638	178	560
12	BOD (mg/L)	1.4	1.6	1.7	1.9	0.5	1.3
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.117	0.017	0.002	0.013	0.116	0.077
14	Faecal Coliform (MPN)	3.6		9.1			
15	Total Coliform (MPN)	430		1100			

**GENERAL PARAMETERS**

16	Turbidity (NTU)	9.7	0.3	1	4.4	3.4	0.3
17	Alkalinity (mg/L)	104	100	86	84	170	70
18	Chloride (mg/L)	9.9	34.7	6.9	7.9	76.4	10.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.441	0.198	0.232	0.175	0.737	0.308
20	Total hardness (mg/L)	80	86	46	70	134	82
21	Calcium (mg/L)	20	22.4	11.2	17.6	40	21.6
22	Magnesium (mg/L)	7.2	7.2	4.3	6.2	8.1	6.7
23	Sodium (mg/L)	41	68	30.5	29.5	73.5	7
24	TDS (mg/L)	130	110	100	90	110	120
25	TSS (mg/L)	60	50	40	30	50	50
26	Phosphate (mg/L)	0.396	0.223	0.13	0.188	0.313	0.271

**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	Clear
2	Depth of water body (m)	0.4	0.6	0.4	0.4	0.2	0.3
3	Colour	Colourless	Colourless	Colourless	Paleyellow	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.3	0.4	0.5	0.3	6.1	0.5
6	Water Temp. (°C)	28	28	27	19	19	20
7	D.O(mg/L)	8.9	8.1	7.7	5.5	6.5	5.6
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	7.3	7.1	7.3	7.2	7.8	7.7
11	Conductivity(us/cm)	154	152	777	257	573	572
12	BOD (mg/L)	2.3	1.5	1.6	1.3	1.4	1.4
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.015	0.005	0.015	0.14	0.037	0.013
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

**GENERAL PARAMETERS**

16	Turbidity (NTU)	5.9	6.2	6.6	5.3	0.8	1.7
17	Alkalinity (mg/L)	116	110	114	240	84	52
18	Chloride (mg/L)	9.9	9.9	8.9	112.1	9.9	9.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.236	0.194	0.243	0.551	0.125	0.156
20	Total hardness (mg/L)	88	86	82	190	66	64
21	Calcium (mg/L)	24	21.6	20	59.2	15.2	13.6
22	Magnesium (mg/L)	6.7	7.6	7.6	10	6.7	7.2
23	Sodium (mg/L)	52.5	52	52	82	31	32.5
24	TDS (mg/L)	120	90	130	110	90	100
25	TSS (mg/L)	50	40	60	50	40	50
26	Phosphate (mg/L)	0.113	0.501	0.104	0.386	0.13	0.025

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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	1	0.4	0.7	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)	0.5	N/A	N/A	0.3	N/A	N/A
6	Water Temp. (°C)	19	18	20	22	16	16
7	D.O(mg/L)	4.1	6.2	5.4	7.6	7.4	4.2
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	7.6	6.9	8	7.3	7	6.8
11	Conductivity(us/cm)	122	128	565	187	159	276
12	BOD (mg/L)	1.3	1.4	1.5	1.3	1.4	1.2
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.152	0.162	0.015	0.125	0.072	0.104
14	Faecal Coliform (MPN)	23			23		
15	Total Coliform (MPN)	460			290		

**GENERAL PARAMETERS**

16	Turbidity (NTU)	6.4	6.7	2.7	9.9	0	0.1
17	Alkalinity (mg/L)	194	46	46	76	30	24
18	Chloride (mg/L)	100.2	41.6	9.9	9.9	41.6	29.7
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.41	0.479	0.201	0.403	0.342	0.395
20	Total hardness (mg/L)	190	70	50	66	86	70
21	Calcium (mg/L)	57.6	16.8	10.4	168	20.8	16.8
22	Magnesium (mg/L)	11	6.7	5.7	5.7	8.1	6.7
23	Sodium (mg/L)	100	45	18	44	39	52
24	TDS (mg/L)	80	90	110	90	70	80
25	TSS (mg/L)	30	40	50	30	30	40
26	Phosphate (mg/L)	0.58	0.532	0.066	0.344	0.193	0.386

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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	0.5	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)	15	15	23	22	23	24
7	D.O(mg/L)	6.8	7.4	2	3.3	2	1.6
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	7.3	7.1	6.8	6.4	7.2	6.9
11	Conductivity(us/cm)	148	196	315	319	328	326
12	BOD (mg/L)	1.3	1.2	0.7	0.9	0.5	1.1
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.088	0.11	0.153	0.085	0.168	0.092
14	Faecal Coliform (MPN)	9.1					
15	Total Coliform (MPN)	93					

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0	0.6	40.1	0.3	29.6	1.1
17	Alkalinity (mg/L)	34	46	130	60	170	120
18	Chloride (mg/L)	56.5	9.9	31.7	72.4	92.3	67.4
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.327	0.589	0.441	0.357	0.414	0.247
20	Total hardness (mg/L)	106	84	114	154	220	146
21	Calcium (mg/L)	29.6	20.8	30.4	44	68	44
22	Magnesium (mg/L)	7.6	7.6	9.1	10.5	12	8.6
23	Sodium (mg/L)	62.5	28	71	21.5	69.5	22.5
24	TDS (mg/L)	90	80	80	100	90	90
25	TSS (mg/L)	40	30	30	40	40	40
26	Phosphate (mg/L)	0.281	0.34	0.532	0.223	0.608	0.158

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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	0.4	4	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	0.2	1	0.4	N/A	N/A
6	Water Temp. (°C)	17	18	19	22	17	16
7	D.O(mg/L)	1.7	9.2	9.3	8.7	9.3	7.8
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	6.9	7.6	7.2	7.7	7.1	6.7
11	Conductivity(us/cm)	179	186	183	664	183	182
12	BOD (mg/L)	0.6	2.3	2.4	1.1	2.2	1.7
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.102	0.121	0.104	0.125	0.109	0.105
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0.8	0.3	0.2	0.3	0.3	0
17	Alkalinity (mg/L)	170	42	50	44	80	30
18	Chloride (mg/L)	19.8	8.9	7.9	8.9	59.5	9.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.441	0.372	0.327	0.365	0.395	0.312
20	Total hardness (mg/L)	130	60	54	42	104	40
21	Calcium (mg/L)	38.4	13.6	12.8	10.4	29.6	10.4
22	Magnesium (mg/L)	8.1	6.2	5.2	3.8	7.2	3.3
23	Sodium (mg/L)	20.5	20.5	19.5	17.5	8	18
24	TDS (mg/L)	80	120	110	120	90	70
25	TSS (mg/L)	30	50	50	50	40	30
26	Phosphate (mg/L)	0.124	0.154	0.157	0.382	0.175	0.19

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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	0.2	0.1	N/A	5	1.2
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	N/A	N/A	N/A	1.5
6	Water Temp. (°C)	16	22	21	20	17	20
7	D.O(mg/L)	3.9	4.2	8.3	3.1	7.3	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	Domestic	Domestic	Public water supply	Domestic

**CORE PARAMETERS**

10	pH	6.8	7.8	7.1	6.3	7.1	7.2
11	Conductivity(us/cm)	189	193	190	178	603	634
12	BOD (mg/L)	1	1.2	1.5	2.1	0.9	1.1
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.126	0.134	0.118	0.069	0.022	0.023
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0.7	1.1	2.2	3.7	2.2	0.3
17	Alkalinity (mg/L)	206	20	16	120	18	106
18	Chloride (mg/L)	14.4	5.9	33.7	11.9	6.9	9.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.581	0.471	0.334	0.171	0.122	0.103
20	Total hardness (mg/L)	184	22	80	114	22	90
21	Calcium (mg/L)	57.6	5.6	20	32.8	5.6	24
22	Magnesium (mg/L)	9.6	1.9	7.2	7.6	1.9	72
23	Sodium (mg/L)	56	10.5	42	15.5	6.5	23.5
24	TDS (mg/L)	90	100	70	80	70	110
25	TSS (mg/L)	40	40	30	30	30	60
26	Phosphate (mg/L)	0.372	0.329	0.217	0.159	0.089	0.076

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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	1.4	0.2	0.3	0.5	0.4
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	1.1	1.4
6	Water Temp. (°C)	19	17	15	15	20	22
7	D.O(mg/L)	5.6	5.3	5	5.8	6.8	6.9
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	6.9	7.8	7	6.7	7.7	7.4
11	Conductivity(us/cm)	565	861	675	677	345	327
12	BOD (mg/L)	1.3	1.3	1.2	1.3	1.3	1.2
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.021	0.118	0.111	0.104	0.231	0.242
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0	0.1	0	0.4	0.2	0.1
17	Alkalinity (mg/L)	68	48	34	54	43	39
18	Chloride (mg/L)	22.8	10.9	6.9	10.9	11.2	12.3
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.186	0.574	0.429	0.388	0.312	0.238
20	Total hardness (mg/L)	62	64	40	66	56	54
21	Calcium (mg/L)	14.4	13.6	10.4	14.4	12.9	13.6
22	Magnesium (mg/L)	6.2	7.2	3.3	7.2	7.8	7.2
23	Sodium (mg/L)	24	12.5	11.5	14.5	15.2	14.5
24	TDS (mg/L)	80	100	90	80	110	100
25	TSS (mg/L)	30	40	30	30	60	50
26	Phosphate (mg/L)	0.068	0.415	0.293	0.351	0.367	0.345



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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)	1.1	1	0.15	1.2	1.8	0.3
3	Colour	Colourless	Colourless	Colourless	Colourless	pale red	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	metallicsmell	Odourless
5	Velocity of Flow(m/sec)	1.8	2.7	N/A	0.6	N/A	0.22
6	Water Temp. (°C)	23	22	21	25	29	20
7	D.O(mg/L)	6.8	8.2	8.9	8.4	8.5	9.1
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	7.6	7.5	7.1	7.3	7.9	7.6
11	Conductivity(us/cm)	223	127	178	562	571	585
12	BOD (mg/L)	1.3	2.7	2.7	2.1	3.4	2
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.122	0.018	0.013	0.137	0.148	0.084
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0.2	7.4	1	18	8.3	1.1
17	Alkalinity (mg/L)	65	74	30	42	70	88
18	Chloride (mg/L)	15.1	8.9	10.9	8.9	24	7.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.234	0.201	0.182	0.448	0.916	0.236
20	Total hardness (mg/L)	54	50	24	52	80	94
21	Calcium (mg/L)	13.2	11.2	6.4	12	19.2	24.8
22	Magnesium (mg/L)	7.6	5.2	1.9	5.2	7.6	7.6
23	Sodium (mg/L)	32	28	10.5	100	63.5	38
24	TDS (mg/L)	120	130	100	120	130	130
25	TSS (mg/L)	70	70	40	70	80	60
26	Phosphate (mg/L)	0.456	0.615	0.737	0.371	0.486	0.213

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MONITORING PERIOD: MARCH 2016**

Sl. No.	PARAMETER	RESULT	
		STATION CODE: 3757	STATION CODE: 3758
		55	56
1	Weather	Clear	Clear
2	Depth of water body (m)	0.61	N/A
3	Colour	Colourless	Colourless
4	Odour	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.252	N/A
6	Water Temp. (°C)	19	21
7	D.O(mg/L)	6.3	3
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	7.5	6.8
11	Conductivity(us/cm)	861	4420
12	BOD (mg/L)	0.5	2.3
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.06	0.035
14	Faecal Coliform (MPN)		
15	Total Coliform (MPN)		

**GENERAL PARAMETERS**

16	Turbidity (NTU)	1.6	35
17	Alkalinity (mg/L)	42	150
18	Chloride (mg/L)	7.9	66.5
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.277	0.372
20	Total hardness (mg/L)	46	90
21	Calcium (mg/L)	10.4	22.4
22	Magnesium (mg/L)	4.8	8.1
23	Sodium (mg/L)	34.5	38
24	TDS (mg/L)	120	140
25	TSS (mg/L)	40	80
26	Phosphate (mg/L)	0.118	0.307