

**WATER QUALITY DATA UNDER NWMP, MIZORAM  
MONITORING PERIOD: APRIL 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)	0.5	0.6	0.4	0.3	0.7	0.9
3	Colour	Pale yellow	Pale yellow	Pale yellow	Pale yellow	Colourless	Pale yellow
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.8	0.9	0.5	0.6	N/A	N/A
6	Water Temp. (°C)	26	26	28	28	22	19
7	D.O(mg/L)	7.5	7.6	6.9	6.8	7	2.4
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	7.9	8.4	8.2	8	7
11	Conductivity(us/cm)	428	438	1500	1500	1020	450
12	BOD (mg/L)	1.7	1.7	1.4	1.5	1.5	0.9
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.148	0.136	0.027	0.018	0.013	0.16
14	Faecal Coliform (MPN)	3.6	9.1	23	43	3.6	
15	Total Coliform (MPN)	210	460	1100	1100	120	

**GENERAL PARAMETERS**

16	Turbidity (NTU)	30.2	9.1	3.3	2.3	1	30.1
17	Alkalinity (mg/L)	62	64	110	112	24	164
18	Chloride (mg/L)	9.9	8.9	9.9	8.9	3.7	102.2
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.429	0.342	0.437	0.182	0.331	0.562
20	Total hardness (mg/L)	86	70	88	84	66	184
21	Calcium (mg/L)	21.6	16.8	22.8	20.8	16	57.6
22	Magnesium (mg/L)	7.6	6.7	7.6	7.6	6.2	9.6
23	Sodium (mg/L)	37	37.5	44	40	58.5	100
24	TDS (mg/L)	150	140	210	180	100	140
25	TSS (mg/L)	90	100	120	110	60	110
26	Phosphate (mg/L)	0.636	0.403	0.134	0.087	0.186	0.646

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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	0.4	0.3
3	Colour	Pale yellow	Pale yellow	Colourless	Pale yellow	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.4	0.9	1.1	2	0.7	1.3
6	Water Temp. (°C)	28	24	25	25	19	20
7	D.O(mg/L)	6.8	7.5	7.3	7.8	7.3	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	Use as public water supply			

**CORE PARAMETERS**

10	pH	8.2	8.1	8.5	8.2	7.6	8.7
11	Conductivity(us/cm)	1060	441	422	446	1820	467
12	BOD (mg/L)	1.3	1.5	1.5	1.7	1.7	1.8
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.438	0.117	0.136	0.109	0.123	0.041
14	Faecal Coliform (MPN)	11					
15	Total Coliform (MPN)	290					

**GENERAL PARAMETERS**

16	Turbidity (NTU)	42.5	3	0.2	2.6	0.6	0
17	Alkalinity (mg/L)	22	94	82	86	164	64
18	Chloride (mg/L)	8.9	31.7	8.9	8.9	73.4	8.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	3.705	0.258	0.422	0.471	0.426	0.255
20	Total hardness (mg/L)	70	82	50	64	130	62
21	Calcium (mg/L)	18.4	21.6	11.2	16	40	14.4
22	Magnesium (mg/L)	5.7	6.7	5.2	5.7	7.2	6.2
23	Sodium (mg/L)	57	37.5	21	54	35.5	11
24	TDS (mg/L)	120	130	90	120	110	120
25	TSS (mg/L)	50	70	30	70	50	50
26	Phosphate (mg/L)	0.845	0.224	0.343	0.144	0.495	0.124

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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	0.3	0.5	0.4	0.2	0.3
3	Colour	Pale yellow	Pale yellow	Pale yellow	Paleyellow	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.5	0.4	0.4	0.9	0.1	0.1
6	Water Temp. (°C)	28	27	28	25	25	22
7	D.O(mg/L)	7.5	7.3	7.6	4.5	5.1	6.9
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	8.5	8.2	8.5	7.5	7.7	7.8
11	Conductivity(us/cm)	1510	1530	1530	1070	445	446
12	BOD (mg/L)	1.5	1.6	1.7	1.3	1.2	1.5
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.251	0.04	0.046	2.16	0.139	0.052
14	Faecal Coliform (MPN)				15		
15	Total Coliform (MPN)				210		

**GENERAL PARAMETERS**

16	Turbidity (NTU)	3.8	2.9	2.6	3.2	0	0
17	Alkalinity (mg/L)	104	100	108	306	80	50
18	Chloride (mg/L)	7.9	9.9	9.9	111.1	9.9	7.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.224	0.217	0.407	2.193	0.429	0.342
20	Total hardness (mg/L)	84	90	80	190	64	62
21	Calcium (mg/L)	21.6	24	20.8	57.6	15.2	14.4
22	Magnesium (mg/L)	7.2	7.2	6.7	11	6.2	6.2
23	Sodium (mg/L)	38.5	34.5	35	100	30.5	31
24	TDS (mg/L)	120	110	140	130	110	100
25	TSS (mg/L)	60	60	60	60	40	40
26	Phosphate (mg/L)	0.069	0.085	0.089	0.192	0.296	0.182

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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	1.5	0.4	0.9	0.5
3	Colour	Colourless	Yellow	Pale yellow	Yellow	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.7	N/A	N/A	0.8	N/A	N/A
6	Water Temp. (°C)	21	23	22	27	22	22
7	D.O(mg/L)	6.6	7.3	3.4	6.4	6.4	7
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	7.8	8.5	8.2	8.3	7.4	7.7
11	Conductivity(us/cm)	1850	1000	444	1050	1000	1070
12	BOD (mg/L)	1.3	1.5	1.3	1.2	1.4	1.4
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.088	0.084	0.063	0.258	0.057	0.015
14	Faecal Coliform (MPN)	9.1				9.1	
15	Total Coliform (MPN)	460				460	

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0.9	2.6	0	42.5	0	0.4
17	Alkalinity (mg/L)	210	4.2	50	20	40	24
18	Chloride (mg/L)	92.3	41.6	9.9	7.9	39.7	37.7
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.555	0.445	0.452	3.823	0.372	0.315
20	Total hardness (mg/L)	148	64	44	64	66	70
21	Calcium (mg/L)	44	15.2	11.2	16	16.8	16.8
22	Magnesium (mg/L)	9.1	6.2	3.8	5.7	5.7	6.7
23	Sodium (mg/L)	100	48.5	25.5	58	45.5	55.5
24	TDS (mg/L)	140	150	110	140	100	100
25	TSS (mg/L)	90	70	50	80	40	40
26	Phosphate (mg/L)	0.451	0.439	0.396	0.925	0.19	0.212

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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)	0.5	0.6	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)	22	18	21	19	20	21
7	D.O(mg/L)	3.5	8.3	1.8	3.1	2.2	2.4
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	7.4	8.1	7.5	7.4	6.6	6.4
11	Conductivity(us/cm)	1010	1820	439	440	439	440
12	BOD (mg/L)	1.2	1.7	0.6	0.9	0.8	0.7
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.06	0.12	0.086	0.121	0.086	0.121
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0	0.2	0	3.1	0	3.2
17	Alkalinity (mg/L)	36	42	134	66	166	126
18	Chloride (mg/L)	51.6	8.9	29.7	74.4	89.3	64.5
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.274	0.41	0.372	0.441	0.369	0.445
20	Total hardness (mg/L)	80	80	106	144	210	140
21	Calcium (mg/L)	20	20	29.6	45	65.6	41.6
22	Magnesium (mg/L)	7.2	7.2	7.6	8.1	11	8.6
23	Sodium (mg/L)	46	40	22.5	49	22.5	49
24	TDS (mg/L)	90	80	100	120	70	130
25	TSS (mg/L)	30	40	40	60	30	80
26	Phosphate (mg/L)	0.172	0.399	0.224	0.241	0.226	0.24

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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	1.1	0.5	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	0.7	0.5	0.3	N/A	N/A
6	Water Temp. (°C)	21	17	17	24	14	13
7	D.O(mg/L)	2	6.8	8.7	8.9	7.3	7.1
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	7.8	7.6	7.4	8.1	7.4	7.5
11	Conductivity(us/cm)	1870	521	521	520	502	518
12	BOD (mg/L)	0.7	1.5	1.9	2.2	1.6	1.6
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.104	0.041	0.048	0.046	0.053	0.084
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0	0	0	0	0	0
17	Alkalinity (mg/L)	162	46	46	42	84	24
18	Chloride (mg/L)	22.8	7.9	8.9	9.9	57.5	7.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.372	0.258	0.274	0.175	0.201	0.084
20	Total hardness (mg/L)	136	64	50	40	100	34
21	Calcium (mg/L)	41.6	16	10.4	10.4	26.4	8
22	Magnesium (mg/L)	7.6	5.7	5.7	8.3	8.1	3.3
23	Sodium (mg/L)	27.5	15.5	15	12.5	4	6
24	TDS (mg/L)	100	100	110	100	70	90
25	TSS (mg/L)	40	50	50	30	30	40
26	Phosphate (mg/L)	0.34	0.21	0.216	0.164	0.243	0.265

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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	0.9	N/A	5	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	0.9	N/A	N/A	N/A	1.3
6	Water Temp. (°C)	15	23	22	21	20	20
7	D.O(mg/L)	3.3	7.3	8.3	7.3	8.2	7.9
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	Domestic	Domestic	Public water supply	Domestic

**CORE PARAMETERS**

10	pH	7.2	7.1	7.6	6.4	7.3	8.1
11	Conductivity(us/cm)	526	503	521	520	445	461
12	BOD (mg/L)	1.2	1.5	1.6	1.6	1.4	1.5
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.115	0.114	0.11	0.119	0.016	0.023
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0.1	0	0	0	0	0
17	Alkalinity (mg/L)	210	24	20	112	20	102
18	Chloride (mg/L)	17.8	4.9	31.7	10.9	4.9	10.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.148	0.232	0.274	0.205	0.198	0.167
20	Total hardness (mg/L)	184	20	74	106	24	84
21	Calcium (mg/L)	56.8	56	18.4	28	6.4	22.6
22	Magnesium (mg/L)	11	1.4	6.7	8.6	1.9	7.2
23	Sodium (mg/L)	60	2	10	7	10	36
24	TDS (mg/L)	100	90	80	110	70	130
25	TSS (mg/L)	30	30	30	50	30	60
26	Phosphate (mg/L)	0.23	0.327	0.279	0.148	0.047	0.058

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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	0.1	0.2	0.7	0.8
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Yellow
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	N/A	0.2	0.4	N/A	0.4	0.1
6	Water Temp. (°C)	19	14	15	18	32	27
7	D.O(mg/L)	8.5	5	6	8.3	7.3	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	7.6	7.2	7.7	8.2	7.3	7.2
11	Conductivity(us/cm)	464	437	436	428	463	461
12	BOD (mg/L)	2.3	1.1	1.2	1.8	0.6	0.5
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.028	0.055	0.047	0.045	0.004	0.052
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0	0	0	0	0	6.7
17	Alkalinity (mg/L)	64	42	30	56	84	60
18	Chloride (mg/L)	20.8	9.9	7.9	8.9	10.9	7.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.198	0.357	0.258	0.209	0.513	1.341
20	Total hardness (mg/L)	60	60	42	60	70	5.6
21	Calcium (mg/L)	12.8	15.2	10.4	14.4	16.8	12
22	Magnesium (mg/L)	6.7	5.2	3.8	5.7	6.7	6.2
23	Sodium (mg/L)	29.5	7	18	9	30	53.5
24	TDS (mg/L)	90	110	110	90	90	120
25	TSS (mg/L)	40	50	50	40	30	90
26	Phosphate (mg/L)	0.054	0.158	0.202	0.193	0.159	0.154



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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)	0.9	1.2	1.5	1	2	0.5
3	Colour	Colourless	Pale yellow	Colourless	Pale yellow	Pale yellow	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.2	0.5	N/A	0.5	N/A	1.17
6	Water Temp. (°C)	30	20	20	21	25	23
7	D.O(mg/L)	6.5	7.3	9.4	8.1	2.1	5.2
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	7.4	7.2	6.7	7.7	9.3	8.4
11	Conductivity(us/cm)	465	446	437	433	641	471
12	BOD (mg/L)	0.8	0.9	1.4	6.7	2	1.9
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.03	0.1	0.066	0.077	0.116	0.06
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

**GENERAL PARAMETERS**

16	Turbidity (NTU)	1	2.8	0.2	2.4	6.2	0.4
17	Alkalinity (mg/L)	72	62	24	46	64	82
18	Chloride (mg/L)	7.9	9.9	9.9	6.9	10.9	8.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.422	0.296	0.236	0.414	0.6	0.338
20	Total hardness (mg/L)	64	54	22	48	86	90
21	Calcium (mg/L)	16	12	5.6	11.2	22.4	22.4
22	Magnesium (mg/L)	5.7	5.7	1.9	4.8	7.2	8.1
23	Sodium (mg/L)	31	32	27	83.5	57.5	48
24	TDS (mg/L)	100	120	90	130	140	130
25	TSS (mg/L)	40	60	30	70	80	50
26	Phosphate (mg/L)	0.087	0.192	0.47	0.203	0.36	0.203

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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)	1.36	N/A
3	Colour	Colourless	Pale yellow
4	Odour	Odourless	Odourless
5	Velocity of Flow(m/sec)	3	N/A
6	Water Temp. (°C)	25	21
7	D.O(mg/L)	6.9	4.5
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	7.1	6.9
11	Conductivity(us/cm)	465	475
12	BOD (mg/L)	0.6	1.4
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.058	0.068
14	Faecal Coliform (MPN)		
15	Total Coliform (MPN)		

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0.5	11.4
17	Alkalinity (mg/L)	40	146
18	Chloride (mg/L)	6.9	64.5
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.338	0.399
20	Total hardness (mg/L)	30	94
21	Calcium (mg/L)	7.2	24.8
22	Magnesium (mg/L)	2.8	7.6
23	Sodium (mg/L)	48	51
24	TDS (mg/L)	110	120
25	TSS (mg/L)	70	80
26	Phosphate (mg/L)	0.203	0.241