

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: OCTOBER 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)	3	2.3	0.5	0.5	0.3	1.2
3	Colour	Pale yellow	Pale yellow	Pale yellow	Pale yellow	Colourless	Pale yellow
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	urine smell
5	Velocity of Flow(m/sec)	2.5	2	0.3	0.4	N/A	N/A
6	Water Temp. (°C)	24	24	24	24	22	20
7	D.O(mg/L)	6.8	7.1	6.4	6.8	6.2	2.7
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	6.1	6.3	6.8	6.9	8	5.7
11	Conductivity(us/cm)	142	135	155	149	71	877
12	BOD (mg/L)	1.7	1.6	1.6	1.7	1.3	0.6
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.212	0.195	0.031	0.03	0.041	0.124
14	Faecal Coliform (MPN)				21	7.3	20
15	Total Coliform (MPN)				1100	1100	2400

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	33.6	41.5	45.5	49.5	19.8	108.9
18	Chloride (mg/L)	9.9	10.9	11.9	12.9	30.7	66.5
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	2.117	1.911	0.163	0.255	0.16	1.087
20	Total hardness (mg/L)	36	24	50	54	70	144
21	Calcium (mg/L)	8.8	8	12.8	12	28	40.8
22	Magnesium (mg/L)	3.3	3.3	4.3	5.7	6.2	10
23	Sodium (mg/L)	33	35	27	28.5	37	100
24	TDS (mg/L)	150	170	140	160	90	80
25	TSS (mg/L)	70	80	70	90	40	40
26	Phosphate (mg/L)	0.697	0.788	0.111	0.117	0.039	0.052

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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	0.9	0.6	0.8	0.5	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)	0.5	1.5	2	3.2	0.9	0.4
6	Water Temp. (°C)	25	23	23	23	21	15
7	D.O(mg/L)	6.3	6.4	8.2	7.5	6.6	7.7
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	7.6	6.5	7.2	6.2	7.5	7.2
11	Conductivity(us/cm)	51	196	41	172	33	77
12	BOD (mg/L)	1.6	1.6	2.4	1.6	1.7	1.5
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.048	0.068	0.019	0.07	0.076	0.072
14	Faecal Coliform (MPN)			15	93		
15	Total Coliform (MPN)			1100	2400		

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	45.5	39.6	23.7	69.3	9.9	23.7
18	Chloride (mg/L)	9.9	11.9	6.9	7.9	12.9	9.9
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.49	0.977	0.946	1.414	0.912	0.274
20	Total hardness (mg/L)	50	54	26	46	34	50
21	Calcium (mg/L)	11.2	12	10.4	12	8	11.2
22	Magnesium (mg/L)	5.2	5.7	1.4	3.8	3.3	5.2
23	Sodium (mg/L)	37	31.5	12.5	27.5	92	29
24	TDS (mg/L)	150	120	110	110	130	150
25	TSS (mg/L)	70	50	50	40	60	70
26	Phosphate (mg/L)	0.135	0.165	0.034	0.378	0.175	1.396

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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)	0.5	0.5	0.3	0.2	1	0.4
3	Colour	Pale yellow	Pale yellow	Pale yellow	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.5	0.4	0.3	0.5	0.1	0.5
6	Water Temp. (°C)	25	25	25	23	20	20
7	D.O(mg/L)	6.1	6.8	6.5	6.4	6.8	6.4
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	6.8	7.2	7.1	8.1	7.6	7.5
11	Conductivity(us/cm)	150	146	137	125	102	124
12	BOD (mg/L)	1.3	1.7	1.7	1.6	1.9	1.6
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.026	0.02	0.022	0.301	0.03	0.041
14	Faecal Coliform (MPN)	11			28		
15	Total Coliform (MPN)	460			2400		

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	49.5	35.6	55.4	85.1	41.5	39.6
18	Chloride (mg/L)	9.9	8.9	10.9	54.5	9.9	7.9
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.224	0.224	0.198	0.486	0.198	0.308
20	Total hardness (mg/L)	52	46	56	114	50	52
21	Calcium (mg/L)	12	12	12.8	33.6	11.2	11.2
22	Magnesium (mg/L)	5.2	3.8	5.7	7.2	5.2	5.2
23	Sodium (mg/L)	28.5	29.5	30.5	74.5	23	23
24	TDS (mg/L)	150	110	170	130	160	140
25	TSS (mg/L)	70	60	80	70	70	60
26	Phosphate (mg/L)	0.107	0.113	0.104	0.216	0.083	0.111

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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	2.1	0.5	1.2	0.3
3	Colour	Colourless	Colourless	Pale yellow	Pale yellow	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.9	N/A	N/A	0.4	N/A	N/A
6	Water Temp. (°C)	23	24	21	23	20	22
7	D.O(mg/L)	5.2	5.2	6.9	7	6.4	6.1
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	8.8	7.8	7.5	7.4	8	8.8
11	Conductivity(us/cm)	104	75	110	48	98	78
12	BOD (mg/L)	1.2	1.3	2	1.6	1.5	1.1
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.3	0.02	0.034	0.057	0.009	0.008
14	Faecal Coliform (MPN)						15
15	Total Coliform (MPN)						1100

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	45.5	39.6	43.5	49.5	25.7	23.7
18	Chloride (mg/L)	41.6	33.7	8.9	6.9	31.7	32.7
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.22	0.27	0.578	0.631	0.133	0.182
20	Total hardness (mg/L)	70	50	54	54	60	70
21	Calcium (mg/L)	18.8	11.2	12	12	16	18.4
22	Magnesium (mg/L)	6.7	5.2	5.7	5.7	4.8	5.7
23	Sodium (mg/L)	70	45	24	41	45	38
24	TDS (mg/L)	100	120	130	140	120	110
25	TSS (mg/L)	50	60	60	70	50	50
26	Phosphate (mg/L)	0.207	0.039	0.489	0.169	0.109	0.049

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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	0.7	N/A	N/A	N/A	N/A
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	metallic 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)	20	21	19	19	20	20
7	D.O(mg/L)	6	5.8	3.4	1.3	3.7	3.1
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	6.7	7.3	7.5	6.3	7.6
11	Conductivity(us/cm)	86	38	262	262	265	263
12	BOD (mg/L)	1.1	1.5	0.9	0.5	1.1	0.8
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.069	0.012	0.039	0.159	0.154	0.102
14	Faecal Coliform (MPN)			0	0	0	
15	Total Coliform (MPN)			0	0	0	

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	29.7	33.6	128.7	29.2	128.2	100.9
18	Chloride (mg/L)	42.6	14.8	22.8	62.5	84.3	26.8
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.141	0.179	2.284	1.292	0.817	0.391
20	Total hardness (mg/L)	68	40	134	136	206	130
21	Calcium (mg/L)	17.6	9.6	41.6	40.8	64.8	40.8
22	Magnesium (mg/L)	5.7	3.8	7.2	8.1	10.5	6.7
23	Sodium (mg/L)	70	18	23	41	66	22.5
24	TDS (mg/L)	90	100	90	120	110	100
25	TSS (mg/L)	40	50	30	60	50	50
26	Phosphate (mg/L)	0.086	0.087	1.641	0.854	0.161	0.196

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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	0.5	2	3	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	0.8	0.7	0.5	N/A	N/A
6	Water Temp. (°C)	20	22	22	20	18	16
7	D.O(mg/L)	2.3	8.2	7.5	6.6	7.3	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	7.3	7.2	7.5	7.1	7.2	7
11	Conductivity(us/cm)	37	58	76	50	49	48
12	BOD (mg/L)	0.5	2	1.7	1.1	1.6	1.6
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.066	0.061	0.062	0.04	0.05	0.044
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	53.4	29.7	25.7	23.1	21.7	23.7
18	Chloride (mg/L)	29.7	10.9	7.9	7.8	9.9	12.9
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.293	0.76	0.585	0.0411	0.483	0.513
20	Total hardness (mg/L)	70	46	48	56	46	44
21	Calcium (mg/L)	18.4	9.6	11.2	8.1	12	10.4
22	Magnesium (mg/L)	5.7	5.2	4.8	5.4	3.8	5.2
23	Sodium (mg/L)	26	14	24	16	7	11
24	TDS (mg/L)	120	140	140	110	90	110
25	TSS (mg/L)	60	70	60	40	30	50
26	Phosphate (mg/L)	0.075	0.203	0.409	0.099	0.254	0.204

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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	0.4	N/A	5	4
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	1.2	N/A	N/A	N/A	0.6
6	Water Temp. (°C)	17	23	20	19	19	20
7	D.O(mg/L)	8.3	7.8	7.5	1.1	6.1	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	

CORE PARAMETERS

10	pH	6.8	7.2	7.1	6.9	7.2	7.4
11	Conductivity(us/cm)	56	2230	388	428	48	142
12	BOD (mg/L)	1.7	1.7	1.6	0.5	0.9	1.1
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.062	0.019	0.014	0.015	0.076	0.017
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	69.3	15.8	25.7	132.6	19.8	49.5
18	Chloride (mg/L)	10.9	8.9	29.7	11.9	5.9	7.9
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.752	0.22	0.236	0.152	0.293	0.201
20	Total hardness (mg/L)	116	12	84	106	10	48
21	Calcium (mg/L)	34.4	2.4	24	28.8	2.4	12.8
22	Magnesium (mg/L)	7.2	1.4	5.7	8.1	0.9	5.7
23	Sodium (mg/L)	16	2.5	28	28.5	29	9
24	TDS (mg/L)	120	120	110	100	90	170
25	TSS (mg/L)	60	50	50	40	40	80
26	Phosphate (mg/L)	0.124	0.168	0.175	0.148	0.117	0.172

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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)	1.2	2.1	0.3	0.4	2	2.5
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	0.3	N/A	1.1	1.3
6	Water Temp. (°C)	19	20	21	19	19	20
7	D.O(mg/L)	5.8	7	7.5	6.5	6.4	6.7
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	7.5	6.8	6.5	7.1	7
11	Conductivity(us/cm)	241	47	58	48	112	103
12	BOD (mg/L)	0.6	0.7	1.1	1.4	1.2	0.9
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.217	0.031	0.024	0.019	0.097	0.078
14	Faecal Coliform (MPN)	NA	NA	NA	NA	NA	NA
15	Total Coliform (MPN)	NA	NA	NA	NA	NA	NA

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	23.7	23.7	23.7	15.8	16.3	17.7
18	Chloride (mg/L)	22.8	9.9	8.9	10.9	11.6	13.1
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.927	0.175	0.209	0.232	0.342	0.226
20	Total hardness (mg/L)	56	30	34	36	45	38
21	Calcium (mg/L)	12.8	7.2	7.2	12	8	7.6
22	Magnesium (mg/L)	5.7	2.8	3.8	1.4	3.7	2.9
23	Sodium (mg/L)	72	25	26	24	54	48
24	TDS (mg/L)	110	130	110	90	80	90
25	TSS (mg/L)	40	60	40	30	40	50
26	Phosphate (mg/L)	0.596	0.047	0.061	0.059	0.045	0.089

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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	Rain
2	Depth of water body (m)	2.1	1.2	2.2ft	2	2	1.21
3	Colour	Pale yellow	Colourless	Colourless	Pale yellow	Pale green	Turbid
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	1.7	0.3	N/A	0.5	1.1	1.07
6	Water Temp. (°C)	2	24	22	23	29	20
7	D.O(mg/L)	6.7	6.6	7.5	5.4	4.1	8.4
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	6.9	7	7	7.2	7.2	8.1
11	Conductivity(us/cm)	50	30	22	146	240	125
12	BOD (mg/L)	0.7	1.7	2.6	1.2	0.9	5.8
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.056	0.012	0.012	0.212	0.027	0.044
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	48	49.5	23.7	45.5	53.4	102.9
18	Chloride (mg/L)	16.1	9.9	7.9	7.9	22.8	22.8
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.123	0.141	0.141	3.583	0.646	0.372
20	Total hardness (mg/L)	57	46	54	50	50	42
21	Calcium (mg/L)	15.1	8	12	11.2	12.8	10.4
22	Magnesium (mg/L)	4.2	6.2	5.7	5.2	4.3	3.8
23	Sodium (mg/L)	34.2	22.5	22.5	30	49	61
24	TDS (mg/L)	90	110	120	140	110	150
25	TSS (mg/L)	40	50	60	70	50	70
26	Phosphate (mg/L)	0.046	0.035	0.035	0.694	0.099	0.22

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Sl. No.	PARAMETER	RESULT	
		STATION CODE: 3757	STATION CODE: 3758
		55	56
1	Weather	Clear	Cloudy
2	Depth of water body (m)	0.485	N/A
3	Colour	Turbid	Colourless
4	Odour	Odourless	Metallic
5	Velocity of Flow(m/sec)	0.152	N/A
6	Water Temp. (°C)	17	18
7	D.O(mg/L)	8	1.4
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	8.4	7.8
11	Conductivity(us/cm)	54	87
12	BOD (mg/L)	0.9	0.7
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.032	0.031
14	Faecal Coliform (MPN)		
15	Total Coliform (MPN)		

GENERAL PARAMETERS

16	Turbidity (NTU)		
17	Alkalinity (mg/L)	23.7	128.7
18	Chloride (mg/L)	9.9	12.9
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.376	0.285
20	Total hardness (mg/L)	30	114
21	Calcium (mg/L)	6.4	33.6
22	Magnesium (mg/L)	2.4	7.2
23	Sodium (mg/L)	17	56
24	TDS (mg/L)	150	110
25	TSS (mg/L)	70	50
26	Phosphate (mg/L)	0.144	0.073