

**WATER QUALITY DATA UNDER NWMP, MIZORAM  
MONITORING PERIOD: JANUARY 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)	0.6	0.8	0.4	0.5	0.3	1.2
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.5	0.4	0.3	0.3	N/A	N/A
6	Water Temp. (°C)	15	15	12	12	16	10
7	D.O(mg/L)	6.8	7	6.3	6.6	3.6	1.4
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	6.7	6.8	7.9	6.8
11	Conductivity(us/cm)	195	198	525	545	166	218
12	BOD (mg/L)	1.3	1.3	1.3	1.4	1	0.4
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.089	0.092	0.123	0.158	0.076	0.141
14	Faecal Coliform (MPN)						23
15	Total Coliform (MPN)						290

**GENERAL PARAMETERS**

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	65.3	69.3	95	89.1	23.7	190
18	Chloride (mg/L)	6.9	8.9	7.9	8.9	34.7	106.2
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.422	0.502	0.414	0.942	0.589	0.916
20	Total hardness (mg/L)	70	74	90	84	74	190
21	Calcium (mg/L)	16.8	17.6	24	19.2	20	56
22	Magnesium (mg/L)	6.7	7.2	7.2	8.6	5.7	12
23	Sodium (mg/L)	37	31	33	42	37	62
24	TDS (mg/L)	130	100	120	130	80	90
25	TSS (mg/L)	60	60	60	60	30	30
26	Phosphate (mg/L)	0.151	0.367	0.395	0.512	0.138	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)	0.4	0.6	0.3	0.4	0.5	0.8
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.8	0.8	0.5	0.9	N/A	0.9
6	Water Temp. (°C)	15	11	13	14	12	7
7	D.O(mg/L)	7	6.6	7.1	6.3	5.3	6
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	7.2	7	6.9	6.8	7.1	6.8
11	Conductivity(us/cm)	77	198	206	224	79	129
12	BOD (mg/L)	1.4	1.3	1.6	1.3	1.4	0,9
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.063	0.077	0.052	0.097	0.116	0.092
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

**GENERAL PARAMETERS**

16	Turbidity (NTU)						0.3
17	Alkalinity (mg/L)	29.7	79.2	33.7	75.2	63.3	61.3
18	Chloride (mg/L)	8.9	29.7	5.9	5.9	77.4	8.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.338	0.471	0.422	0.745	0.756	0.258
20	Total hardness (mg/L)	80	84	30	70	116	70
21	Calcium (mg/L)	20	20	8	18.4	32	16.8
22	Magnesium (mg/L)	7.2	8.1	2.4	5.7	8.6	6.7
23	Sodium (mg/L)	47	28	22	33.5	82	12.5
24	TDS (mg/L)	120	120	110	110	120	120
25	TSS (mg/L)	60	40	50	50	60	60
26	Phosphate (mg/L)	0.178	0.155	0.079	0.162	0.173	0.111

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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)	0.3	0.3	0.4	0.4	0.5	0.3
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.6	0.4	0.3	1.2	0.3	0.2
6	Water Temp. (°C)	13	13	19	14	11	11
7	D.O(mg/L)	6.8	6.1	6.6	6.1	8.2	9.2
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	6.6	6.9	6.8	7.1	7.5	7.5
11	Conductivity(us/cm)	534	549	544	213	253	271
12	BOD (mg/L)	1.6	1.4	1.4	1.3	1.7	2.1
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.134	0.164	0.138	0.098	0.068	0.058
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

**GENERAL PARAMETERS**

16	Turbidity (NTU)				3.1	2.1	3
17	Alkalinity (mg/L)	83.1	91	93	77.2	79.2	83.1
18	Chloride (mg/L)	10.9	9.9	9.9	10.5	9.9	8.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.657	1.243	0.813	0.403	0.456	0.342
20	Total hardness (mg/L)	76	90	80	78	74	80
21	Calcium (mg/L)	20	24	18.4	21.6	19.2	20
22	Magnesium (mg/L)	6.2	7.2	8.1	8.1	6.2	7.2
23	Sodium (mg/L)	26	37	49	30	23	24
24	TDS (mg/L)	120	120	150	130	130	120
25	TSS (mg/L)	60	50	70	70	70	60
26	Phosphate (mg/L)	0.369	0.223	0.649	0.314	0.227	0.188

**WATER QUALITY DATA UNDER NWMP, MIZORAM  
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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)	0.2	4	1.5	0.3	0.5	0.4
3	Colour	Pale yellow	Pale yellow	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	1	N/A	N/A	0.7	N/A	N/A
6	Water Temp. (°C)	11	12	12	15	14	15
7	D.O(mg/L)	4.9	5.1	8.1	6.4	7.4	4.4
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	7.6	7	7.3	8.1
11	Conductivity(us/cm)	200	199	282	87	172	214
12	BOD (mg/L)	1.2	1.2	1.7	1.3	1.4	1.1
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.101	0.116	0.064	0.048	0.119	0.115
14	Faecal Coliform (MPN)	3.6				9.1	
15	Total Coliform (MPN)	27				120	

**GENERAL PARAMETERS**

16	Turbidity (NTU)			5			
17	Alkalinity (mg/L)	198	49.5	49.5	89.1	35.6	25.7
18	Chloride (mg/L)	99.2	44.6	9.9	9.9	37	30.7
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.479	0.798	0.467	0.376	0.866	0.585
20	Total hardness (mg/L)	184	66	54	68	80	76
21	Calcium (mg/L)	49.6	16	12	16	19.2	18.4
22	Magnesium (mg/L)	14.4	6.2	5.7	6.7	7.6	7.2
23	Sodium (mg/L)	72	39	14	35	33	43
24	TDS (mg/L)	110	120	130	100	90	90
25	TSS (mg/L)	50	60	60	40	40	40
26	Phosphate (mg/L)	0.14	0.248	0.124	0.24	0.199	0.162

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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)	0.4	0.8	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)	13	13	14	13	15	14
7	D.O(mg/L)	7.2	5.4	2.3	2.9	2.3	1.2
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	7.2	7.7	8.2	6.6	6
11	Conductivity(us/cm)	182	112	159	171	605	168
12	BOD (mg/L)	1.4	1.3	0.7	0.9	0.6	0.2
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.076	0.056	0.103	0.123	0.155	0.105
14	Faecal Coliform (MPN)	3.6					
15	Total Coliform (MPN)	35					

**GENERAL PARAMETERS**

16	Turbidity (NTU)			2.1	1.6	29.8	2.8
17	Alkalinity (mg/L)	29.7	29.7	110.8	146.5	148.5	39.6
18	Chloride (mg/L)	59.5	44.6	34.7	29.7	86.3	72.4
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.95	0.498	0.448	0.471	1.003	0.779
20	Total hardness (mg/L)	52	64	100	130	144	84
21	Calcium (mg/L)	19.6	13.6	28	38.4	41.6	22.4
22	Magnesium (mg/L)	9.1	7.2	7.2	8.1	9.6	6.7
23	Sodium (mg/L)	72	33	20.5	7	62.5	19
24	TDS (mg/L)	80	90	110	80	100	80
25	TSS (mg/L)	30	40	50	40	40	30
26	Phosphate (mg/L)	0.149	0.173	0.446	0.298	0.281	0.25

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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	0.4	2	N/A	N/A
3	Colour	Pale red	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	rust smell	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	N/A	1.5	2.1	0.2	N/A	N/A
6	Water Temp. (°C)	14	13	13	14	12	8
7	D.O(mg/L)	2.6	4.6	6.2	6.7	4.6	5.3
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	7.1	7.1	7	7.3	7.1	7.1
11	Conductivity(us/cm)	97	56	133	145	134	144
12	BOD (mg/L)	0.9	1.4	1.9	1.7	1.3	1.3
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.091	0.064	0.06	0.067	0.052	0.044
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

**GENERAL PARAMETERS**

16	Turbidity (NTU)		0.2	0.1	0.6	0.3	0.3
17	Alkalinity (mg/L)	73.2	49.5	54.3	52.1	89.1	29.7
18	Chloride (mg/L)	24.8	9.9	5.9	9.3	76.4	14.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.357	0.726	0.464	0.456	0.505	0.274
20	Total hardness (mg/L)	110	60	62	58	104	42
21	Calcium (mg/L)	29.6	14.4	14.4	16.8	36	10.4
22	Magnesium (mg/L)	8.6	5.7	6.2	5.8	8.1	3.8
23	Sodium (mg/L)	44	19	27	24	9	11
24	TDS (mg/L)	110	110	120	120	90	80
25	TSS (mg/L)	50	50	50	60	40	30
26	Phosphate (mg/L)	0.092	0.175	0.076	0.123	0.065	0.123

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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	0.3	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	2.5	N/A	N/A	N/A	1.1
6	Water Temp. (°C)	14	15	13	12	13	16
7	D.O(mg/L)	5.5	6.6	5.4	4.5	7.4	8.9
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	7.4	7.2	7.1	7.6	7.6
11	Conductivity(us/cm)	111	322	331	333	205	220
12	BOD (mg/L)	1.6	0.9	2.4	2.7	1.6	1.5
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.028	0.096	0.126	0.098	0.133	0.152
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0.4	0.6	0.5	1	1.5	0.7
17	Alkalinity (mg/L)	207.9	29.7	39.6	99	21.7	112.8
18	Chloride (mg/L)	10.9	46	39.7	7.9	5.9	9.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.198	0.578	0.486	0.509	0.68	0.707
20	Total hardness (mg/L)	194	46	70	110	24	90
21	Calcium (mg/L)	60	12	16.8	29.6	5.6	24.8
22	Magnesium (mg/L)	10.5	3.8	6.7	8.6	2.4	6.7
23	Sodium (mg/L)	41	15	29	26	41	35
24	TDS (mg/L)	80	90	90	90	90	110
25	TSS (mg/L)	30	40	40	30	30	70
26	Phosphate (mg/L)	0.03	0.13	0.2	0.113	0.389	0.396

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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	0.9	0.4	0.4	0.6	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	1.1	0.9
6	Water Temp. (°C)	14	16	14	15	15	15
7	D.O(mg/L)	7.9	7.4	8.1	8.6	6.7	6.6
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	7.4	6.9	7.1	7.3	7.2	7.1
11	Conductivity(us/cm)	213	89	99	69	124	113
12	BOD (mg/L)	1.5	1.3	1.3	1.2	1.1	0.8
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.099	0.037	0.044	0.052	0.056	0.067
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

**GENERAL PARAMETERS**

16	Turbidity (NTU)	1	1.2	0.1	0.2	1.1	2
17	Alkalinity (mg/L)	69.3	53.4	33.6	49.5	56.9	60.6
18	Chloride (mg/L)	26.8	7.9	6.9	12.9	8.3	9.7
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.699	0.095	0.296	0.388	0.125	0.145
20	Total hardness (mg/L)	64	64	40	64	60	78
21	Calcium (mg/L)	16	16	9.6	16	14	15.4
22	Magnesium (mg/L)	5.7	5.7	3.8	5.7	6.5	5.8
23	Sodium (mg/L)	34	21	36	28.5	25	27
24	TDS (mg/L)	110	120	110	70	100	130
25	TSS (mg/L)	40	50	50	30	60	50
26	Phosphate (mg/L)	0.281	0.079	36	0.089	0.131	0.128



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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)	0.7	1.2	0.29	1	2	0.45
3	Colour	Colourless	Colourless	Colourless	Colourless	pale red	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	metallicsmell	Odourless
5	Velocity of Flow(m/sec)	1.3	0.3	N/A	0.5	N/A	0.6
6	Water Temp. (°C)	14	17	18	18	18	16
7	D.O(mg/L)	6.8	8.4	9.2	6.7	5.6	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	7.4	7.8	6.3	6.3	7.5
11	Conductivity(us/cm)	109	212	288	114	140	161
12	BOD (mg/L)	1.2	0.6	1.5	0.9	1.8	2.9
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.064	0.072	0.109	0.071	0.056	0.091
14	Faecal Coliform (MPN)						
15	Total Coliform (MPN)						

**GENERAL PARAMETERS**

16	Turbidity (NTU)	1.3	0.2	0.2	0.3	3.1	1.1
17	Alkalinity (mg/L)	58.3	41.5	29.7	45.5	79.2	99
18	Chloride (mg/L)	8.4	5.9	14.9	7.9	14.9	10.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.134	0.464	0.547	0.084	0.547	0.661
20	Total hardness (mg/L)	65	50	42	54	84	46
21	Calcium (mg/L)	13.5	11.2	9.6	12	22.4	21.6
22	Magnesium (mg/L)	5.7	5.2	4.3	5.7	6.7	7.6
23	Sodium (mg/L)	32	29	22	61	31	29
24	TDS (mg/L)	120	100	70	130	120	140
25	TSS (mg/L)	40	40	30	60	50	60
26	Phosphate (mg/L)	0.114	0.094	0.192	0.2	0.251	0.46

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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)	0.61	N/A
3	Colour	Colourless	Colourless
4	Odour	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.56	N/A
6	Water Temp. (°C)	15	15.5
7	D.O(mg/L)	8.2	2.5
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	7.5	6.4
11	Conductivity(us/cm)	158	157
12	BOD (mg/L)	6.8	0.8
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.133	0.116
14	Faecal Coliform (MPN)		
15	Total Coliform (MPN)		

**GENERAL PARAMETERS**

16	Turbidity (NTU)	0.5	60.5
17	Alkalinity (mg/L)	43.5	138.6
18	Chloride (mg/L)	7.9	9.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.813	0.422
20	Total hardness (mg/L)	60	124
21	Calcium (mg/L)	13.6	36.2
22	Magnesium (mg/L)	6.2	8.6
23	Sodium (mg/L)	37	76
24	TDS (mg/L)	140	160
25	TSS (mg/L)	70	110
26	Phosphate (mg/L)	0.36	0.207