

**WATER QUALITY DATA UNDER NWMP, MIZORAM  
MONITORING PERIOD: MAY 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	Rainy	Rainy	Clear	Clear	Clear	Rainy
2	Depth of water body (m)	1	1.2	0.3	0.4	0.6	1.1
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)	1.5	1.5	0.5	0.5	N/A	N/A
6	Water Temp. (°C)	26	26	26	26	23	20
7	D.O(mg/L)	7.1	6.6	6.3	6.5	3.6	2.9
8	Major polluting sources	Agriculture	Agriculture	Agriculture	Agriculture		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	8.6	8.6	8.2	8.3	8.2	7.7
11	Conductivity(us/cm)	260	153	202	208	144	706
12	BOD (mg/L)	1.2	1	0.7	1.1	0.4	0.6
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.036	0.009	0.04	0.049	0.085	0.033
14	Faecal Coliform	NA	NA	NA	NA	NA	NA
15	Total Coliform	NA	NA	NA	NA	NA	NA

**GENERAL PARAMETERS**

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	59.5	54.4	59.5	56.1	17	110.5
18	Chloride (mg/L)	7.5	6.8	6.8	7.5	26.5	64.4
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.11	0	0.277	0.304	0.376	0.334
20	Total hardness (mg/L)	50	42	4.8	50	64	174
21	Calcium (mg/L)	12	12.8	10.4	10.4	16	56
22	Magnesium (mg/L)	4.8	5.2	5.2	5.7	5.7	8.1
23	Sodium (mg/L)	18.5	19	23.5	23	35.5	35.5
24	TDS (mg/L)	130	140	120	140	80	90
25	TSS (mg/L)	60	60	50	50	30	30
26	Phosphate (mg/L)	0.073	0.004	0.055	0.058	0.065	0.058

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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	Rainy	Rainy	Clear	Clear
2	Depth of water body (m)	0.4	0.7	0.5	0.5	0.5	0.5
3	Colour	Pale Yellow	Pale Yellow	Pale Yellow	Pale Yellow	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.8	1.8	0.9	1.9	2	N/A
6	Water Temp. (°C)	29	24	23	26	23	16
7	D.O(mg/L)	6.9	6.2	7.2	5.8	6.7	5.7
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				

**CORE PARAMETERS**

10	pH	8.1	8.4	8.2	8.5	7.8	8
11	Conductivity(us/cm)	134	212	161	147	144	25
12	BOD (mg/L)	1	1.1	1.4	0.8	0.7	0.6
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.048	0.044	0.072	0.056	0.07	0.077
14	Faecal Coliform	NA	NA	NA	NA	NA	NA
15	Total Coliform	NA	NA	NA	NA	NA	NA

**GENERAL PARAMETERS**

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	56.1	54.4	62.9	51	17	17
18	Chloride (mg/L)	9.1	15.1	3.7	6	18.9	3.7
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.141	0.353	0.429	0.486	0.258	0.042
20	Total hardness (mg/L)	62	70	54	30	70	12
21	Calcium (mg/L)	14.4	18.4	12	8	18.4	3.2
22	Magnesium (mg/L)	6.2	5.7	5.7	2.4	5.7	0.9
23	Sodium (mg/L)	21.5	30.5	25.5	15.5	21.5	7
24	TDS (mg/L)	140	120	110	110	110	170
25	TSS (mg/L)	70	50	40	50	50	80
26	Phosphate (mg/L)	0.059	0.066	0.039	0.052	0.032	0.02

**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	0.5	0.3	0.3	1	1
3	Colour	Pale Yellow	Colourless	Pale Yellow	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.6	0.6	0.4	1.2	0.2	0.2
6	Water Temp. (°C)	25	25	25	26	24	24
7	D.O(mg/L)	6.1	5.3	5.8	4.7	7	5.8
8	Major polluting sources	Agriculture	Agriculture	Agriculture	Domestic	Domestic	
9	Use of water at or in down stream of monitoring stations					Fish pond	Fish pond

**CORE PARAMETERS**

10	pH	8.5	8.6	8.6	7.8	7.5	7.6
11	Conductivity(us/cm)	241	259	221	249	151	168
12	BOD (mg/L)	0.7	0.6	0.7	0.6	1.4	1
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.09	0.122	0.094	0.112	0.122	0.064
14	Faecal Coliform	NA	NA	NA	NA	NA	NA
15	Total Coliform	NA	NA	NA	NA	NA	NA

**GENERAL PARAMETERS**

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	64.6	51	61.2	93.5	51	59.5
18	Chloride (mg/L)	8.3	5.3	7.5	64.4	4.5	7.5
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.399	0.236	0.308	0.505	0.433	0.274
20	Total hardness (mg/L)	56	64	44	146	40	42
21	Calcium (mg/L)	12	16	9.6	45.6	10.4	9.6
22	Magnesium (mg/L)	6.2	5.7	4.8	7.6	3.3	4.3
23	Sodium (mg/L)	25	25	24	34.5	22.5	25
24	TDS (mg/L)	140	110	150	130	120	130
25	TSS (mg/L)	60	40	70	60	50	60
26	Phosphate (mg/L)	0.044	0.123	0.13	0.226	0.093	0.076

**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	Rainy	Clear	Clear	Rainy	Clear
2	Depth of water body (m)	0.5	0.5	N/A	0.5	1	0.7
3	Colour	Pale Yellow	Pale Yellow	Colourless	Colourless	Colourless	Colourless
4	Odour	Colourless	Colourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.9	N/A	N/A	0.5	N/A	N/A
6	Water Temp. (°C)	17	17	23	26	16	22
7	D.O(mg/L)	5.7	5.9	5.7	6.8	6.8	3.8
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	7.61	7.8	7.3	8.2	6.9	8
11	Conductivity(us/cm)	192	244	132	158	80	181
12	BOD (mg/L)	0.6	0.7	1.2	0.8	1.1	0.7
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.103	0.116	0.055	0.052	0.059	0.057
14	Faecal Coliform	NA	NA	NA	NA	NA	NA
15	Total Coliform	NA	NA	NA	NA	NA	NA

**GENERAL PARAMETERS**

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	158.1	40.8	45.9	59.5	17	25.5
18	Chloride (mg/L)	77.3	31.4	5.3	11.3	12.8	20.4
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.661	0.426	0.198	0.106	0.35	0.532
20	Total hardness (mg/L)	124	42	40	60	60	70
21	Calcium (mg/L)	36	10.4	9.6	14.4	12	17.6
22	Magnesium (mg/L)	8.1	3.8	3.8	5.7	7.2	6.2
23	Sodium (mg/L)	47.5	62	18.5	31	48	37
24	TDS (mg/L)	150	190	130	120	90	90
25	TSS (mg/L)	70	80	60	60	40	40
26	Phosphate (mg/L)	0.179	0.124	0.028	0.047	0.125	0.142

**WATER QUALITY DATA UNDER NWMP, MIZORAM  
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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	Rainy	Clear	Clear	Clear	Clear	Clear
2	Depth of water body (m)	N/A	0.9	N/A	N/A	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	N/A	N/A	N/A	N/A	N/A
6	Water Temp. (°C)	17	23	21	20	20	21
7	D.O(mg/L)	4.9	6.8	1.9	1.9	2.3	1.4
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	7.2	7.2	6	6.2	5.9	6
11	Conductivity(us/cm)	94	260	573	556	529	577
12	BOD (mg/L)	0.8	1.1	0.6	0.5	0.6	0.3
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.069	0.097	0.141	0.115	0.111	0.136
14	Faecal Coliform	NA	NA	NA	NA	NA	NA
15	Total Coliform	NA	NA	NA	NA	NA	NA

**GENERAL PARAMETERS**

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	17	27.2	110.5	90.1	88.4	127.5
18	Chloride (mg/L)	9.8	15.1	55.3	15.9	45.5	60.6
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.3	0.479	0.931	0.885	0.638	0.68
20	Total hardness (mg/L)	50	54	122	74	106	150
21	Calcium (mg/L)	12	14.4	36.8	20	30.6	45.6
22	Magnesium (mg/L)	4.8	4.3	7.2	5.7	7.2	8.6
23	Sodium (mg/L)	59	23.5	36.5	55	41.5	43
24	TDS (mg/L)	80	110	120	130	110	90
25	TSS (mg/L)	50	50	60	70	40	30
26	Phosphate (mg/L)	0.092	0.133	0.135	0.226	0.245	0.257

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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	0.2	1.5	N/A	0.1	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	0.4	0.2	N/A	N/A	N/A
6	Water Temp. (°C)	24	24	27	21	17	16
7	D.O(mg/L)	3	7	7	7.8	6.7	6.5
8	Major polluting sources	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic
9	Use of water at or in down stream of monitoring stations	Washing	Washing, bathing	Washing, plantation	public water supply	public water supply	Washing

**CORE PARAMETERS**

10	pH	7.5	7.9	8.6	8.2	7.6	7.5
11	Conductivity(us/cm)	124	74	68	52	105	124
12	BOD (mg/L)	0.4	0.7	0.8	1.1	0.9	0.7
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.064	0.115	0.088	0.094	0.133	0.111
14	Faecal Coliform	NA	NA	NA	NA	NA	NA
15	Total Coliform	NA	NA	NA	NA	NA	NA

**GENERAL PARAMETERS**

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	51	64.2	38.8	42.2	21.9	16.9
18	Chloride (mg/L)	17.4	9.1	6.8	8.3	6	8.3
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.167	0.22	0.399	0.353	0.441	0.813
20	Total hardness (mg/L)	70	60	44	48	28	44
21	Calcium (mg/L)	16.8	17.6	12.8	11.2	7.2	12
22	Magnesium (mg/L)	6.7	3.8	2.8	4.8	2.4	3.3
23	Sodium (mg/L)	28	26	32	36.5	36	35
24	TDS (mg/L)	120	150	150	160	120	140
25	TSS (mg/L)	60	70	60	50	50	60
26	Phosphate (mg/L)	0.078	0.069	0.165	0.166	0.038	0.09

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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	0.1	0.3	N/A	N/A	2.3
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	N/A	1	N/A	N/A	N/A	1.4
6	Water Temp. (°C)	20	21	21	22	21	29
7	D.O(mg/L)	2.3	7.3	8.5	3.2	5.6	7.3
8	Major polluting sources	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic
9	Use of water at or in down stream of monitoring stations	Domestic	Public water supply	Domestic	Domestic	Public water supply	Public water supply

**CORE PARAMETERS**

10	pH	7.5	6.9	7.6	6.3	7.2	8
11	Conductivity(us/cm)	78	84	112	95	63	227
12	BOD (mg/L)	0.5	0.8	1.1	0.6	0.8	0.7
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.091	0.037	0.077	0.085	0.125	0.135
14	Faecal Coliform	NA	NA	NA	NA	NA	NA
15	Total Coliform	NA	NA	NA	NA	NA	NA

**GENERAL PARAMETERS**

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	206.1	20.2	35.4	126.7	25.5	76.5
18	Chloride (mg/L)	7.5	6	31.8	3.7	4.5	7.5
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.437	0.228	0.213	0.315	0.312	1.079
20	Total hardness (mg/L)	142	30	90	110	24	70
21	Calcium (mg/L)	44	7.2	25.6	34.2	5.6	17.6
22	Magnesium (mg/L)	7.6	2.8	6.2	5.7	2.4	6.2
23	Sodium (mg/L)	34.5	24	30	28	20	7.5
24	TDS (mg/L)	11	120	90	110	90	130
25	TSS (mg/L)	40	50	30	50	30	60
26	Phosphate (mg/L)	0.08	0.047	0.11	0.148	0.152	0.269

**WATER QUALITY DATA UNDER NWMP, MIZORAM  
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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	Hot		Hot
2	Depth of water body (m)	0.3	1	0.2	0.1		2
3	Colour	Colourless	Colourless	Colourless	Colourless		Pale Yellow
4	Odour	Odourless	Odourless	Odourless	Odourless		Colourless
5	Velocity of Flow(m/sec)	N/A	0.1	N/A	N/A		2
6	Water Temp. (°C)	20	23	18	20		26
7	D.O(mg/L)	6	6.2	7.8	7.9		
8	Major polluting sources	Domestic	Domestic	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	7.2	7.6	8.5	8.5		
11	Conductivity(us/cm)	362	133	244	156		
12	BOD (mg/L)	0.5	1.1	1.2	1.3		
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.051	0.104	0.111	0.109		0.021
14	Faecal Coliform	NA	NA	NA	NA	NA	NA
15	Total Coliform	NA	NA	NA	NA	NA	NA

**GENERAL PARAMETERS**

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	44.2	45.9	93.5	42.5		59.5
18	Chloride (mg/L)	30.3	5.3	6	4.5		5.3
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.399	0.437	0.547	0.426		0.091
20	Total hardness (mg/L)	84	32	100	34		50
21	Calcium (mg/L)	16	7.2	28	8.8		10.4
22	Magnesium (mg/L)	10.5	3.3	7.2	2.8		5.7
23	Sodium (mg/L)	26	28	36	29		33
24	TDS (mg/L)	80	110	100	90		120
25	TSS (mg/L)	30	50	40	40		50
26	Phosphate (mg/L)	0.159	0.14	0.134	0.22		0.021



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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	Rainy	Clear	Clear	Cloudy	Cloudy	Cloudy
2	Depth of water body (m)	2	1.2	0.6	1	1	N/A
3	Colour	Pale Yellow	Colourless	Colourless	Pale Green	Green	Turbid
4	Odour	Colourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	3	0.4	N/A	0.6	N/A	0.31
6	Water Temp. (°C)	25	23	21	22	22	32
7	D.O(mg/L)		5.5	6.7	5.6	6.7	7.6
8	Major polluting sources	Agriculture	Agriculture	Domestic	Agriculture	Domestic	
9	Use of water at or in down stream of monitoring stations	Domestic	Public water supply	Washing	Domestic	Fish pond	

**CORE PARAMETERS**

10	pH	7.3	6.9	6.5	7.9	7.1	8.3
11	Conductivity(us/cm)	141	124	74	89	94	220
12	BOD (mg/L)		0.9	0.7	0.6	1	1.2
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.028	0.059	0.053	0.064	0.071	0.074
14	Faecal Coliform	NA	NA	NA	NA	NA	NA
15	Total Coliform	NA	NA	NA	NA	NA	NA

**GENERAL PARAMETERS**

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	51	59.1	33.8	67.6	70.9	76.5
18	Chloride (mg/L)	6	11.3	7.5	9.1	9.8	7.5
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.213	0.369	0.399	0.255	0.448	0.342
20	Total hardness (mg/L)	50	74	30	54	80	70
21	Calcium (mg/L)	12	14.4	8	16	22.4	18.4
22	Magnesium (mg/L)	4.8	4.3	2.4	8.3	5.7	5.7
23	Sodium (mg/L)	28	38	19	47	41.5	22.5
24	TDS (mg/L)	130	130	100	160	130	140
25	TSS (mg/L)	50	60	40	70	60	70
26	Phosphate (mg/L)	0.094	0.063	0.109	0.124	0.127	0.014

**WATER QUALITY DATA UNDER NWMP, MIZORAM  
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Sl. No.	PARAMETER	RESULT	
		STATION CODE: 3757	STATION CODE: 3758
		55	56
1	Weather		Cloudy
2	Depth of water body (m)		
3	Colour		Brownish
4	Odour		Metallic
5	Velocity of Flow(m/sec)		
6	Water Temp. (°C)		21
7	D.O(mg/L)		1
8	Major polluting sources		
9	Use of water at or in down stream of monitoring stations		

**CORE PARAMETERS**

10	pH	8	7.3
11	Conductivity(us/cm)	213	318
12	BOD (mg/L)		0.3
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.12	0.011
14	Faecal Coliform	NA	NA
15	Total Coliform	NA	NA

**GENERAL PARAMETERS**

16	Turbidity (NTU)		
17	Alkalinity (mg/L)	51	139.4
18	Chloride (mg/L)	3.7	7.5
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.244	0.038
20	Total hardness (mg/L)	40	120
21	Calcium (mg/L)	10.4	36
22	Magnesium (mg/L)	3.3	7.2
23	Sodium (mg/L)	31	51
24	TDS (mg/L)	150	110
25	TSS (mg/L)	60	40
26	Phosphate (mg/L)	0.031	0.014