

**WATER QUALITY DATA UNDER NWMP, MIZORAM  
MONITORING PERIOD: SEPTEMBER 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)	0.9	1.2	0.4	0.4	0.5	1.2
3	Colour	Pale yellow	Pale yellow	Pale yellow	Pale yellow	Colourless	Pale green
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	1.2	1.5	0.3	0.4	N/A	N/A
6	Water Temp. (°C)	25	25	25	25	23	20
7	D.O(mg/L)	5.9	5.6	5.6	5.6	3.5	2.1
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	7.2	7	7.2	7.6	6.4	6.8
11	Conductivity(us/cm)	111	126	664	583	74	549
12	BOD (mg/L)	1.2	1.1	1.7	1.5	0.9	0.4
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.069	0.078	0.478	0.635	0.045	0.069
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)	39.6	33.6	99	104.9	21.7	112.8
18	Chloride (mg/L)	9.9	9.9	51.6	50.6	31.7	64.5
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	1.216	1.193	2.941	2.386	0.289	0.365
20	Total hardness (mg/L)	30	34	104	100	66	140
21	Calcium (mg/L)	7.2	8	32	36	16.8	42.4
22	Magnesium (mg/L)	2.8	3.3	5.7	7.2	5.7	8.1
23	Sodium (mg/L)	20	22	37.5	43.5	37	96.5
24	TDS (mg/L)	140	160	150	170	90	90
25	TSS (mg/L)	60	70	70	80	40	40
26	Phosphate (mg/L)	0.175	0.271	0.709	0.484	0.097	0.259

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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	Rain	Clear
2	Depth of water body (m)	0.5	0.8	0.4	0.6	0.4	
3	Colour	Pale yellow	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.3	1.3	0.8	1.8	1.2	
6	Water Temp. (°C)	26	24	23	24	20	17
7	D.O(mg/L)		7.8	7.8	6.6	7.4	8.9
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	7.5	7.1	7.2	6.8	7.1	7.1
11	Conductivity(us/cm)	38	134	67	104	42	23
12	BOD (mg/L)		1.8	1.8	1.4	1.7	1.4
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.053	0.048	0.016	0.088	0.087	0.005
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)	33.6	41.5	19.8	67.3	45.3	21.2
18	Chloride (mg/L)	4.9	12.9	7.9	6.9	41.6	9.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.646	0.498	0.266	1.319	1.265	0.163
20	Total hardness (mg/L)	26	50	20	50	70	46
21	Calcium (mg/L)	6.4	10.4	5.6	11.2	18.4	9.6
22	Magnesium (mg/L)	2.4	5.7	1.4	5.2	5.7	5.2
23	Sodium (mg/L)	41	18	12.5	27	100	2.5
24	TDS (mg/L)	150	120	110	100	120	150
25	TSS (mg/L)	70	50	50	40	50	70
26	Phosphate (mg/L)	0.142	0.121	0.054	0.357	0.281	0.706

**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	Cloudy	Cloudy
2	Depth of water body (m)	0.4	0.4	0.5	0.3	0.1	1.5
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)	0.2	0.3	0.4	0.4	1.3	1.5
6	Water Temp. (°C)	26	26	26	25	22	22
7	D.O(mg/L)	4.9	4.9	2.8	4.2	8.5	7.5
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	7.6	8.1	8.2	7.8	7.4	7.2
11	Conductivity(us/cm)	81	82	83	82	93	110
12	BOD (mg/L)	0.8	1.1	0.6	0.8	1.8	1.7
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.455	0.431	0.418	0.148	0.014	0.05
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)	59.4	39.6	63.3	89.1	45.5	41.5
18	Chloride (mg/L)	8.9	9.9	9.9	52.6	10.9	9.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	2.82	3.089	2.877	1.345	0.163	0.296
20	Total hardness (mg/L)	54	50	50	110	54	54
21	Calcium (mg/L)	14.4	12.8	13.6	32	16.8	16
22	Magnesium (mg/L)	4.3	4.3	3.8	7.2	2.8	3.3
23	Sodium (mg/L)	88.5	90	88	52	20	18
24	TDS (mg/L)	170	130	190	180	140	150
25	TSS (mg/L)	90	60	90	80	70	80
26	Phosphate (mg/L)	0.51	0.945	0.615	1.658	0.08	0.048

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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	Rain	Rain	Cloudy	Clear	Rain	Clear
2	Depth of water body (m)	0.3	8ft	1.5	0.6	0.7	0.6
3	Colour	Colourless	Colourless	Pale yellow	Pale yellow	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	1.2	N/A	N/A	0.4	N/A	N/A
6	Water Temp. (°C)	21	23	21	25	20	24
7	D.O(mg/L)	5.6	4.9	8		6.1	5.2
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	5.4	4.8	7.1	7.6	5.1	6.7
11	Conductivity(us/cm)	92	86	98	38	95	79
12	BOD (mg/L)	1.2	1.1	2.1		1.5	0.9
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.247	0.035	0.022	0.054	0.033	0.153
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)	49.5	33.6	41.5	31.6	29.7	21.7
18	Chloride (mg/L)	39.7	31.7	7.9	4.9	39.7	34.7
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	1.231	0.464	0.927	0.654	0.399	1.721
20	Total hardness (mg/L)	64	56	50	30	54	64
21	Calcium (mg/L)	16.8	12	13.6	7.2	12	16
22	Magnesium (mg/L)	5.2	6.2	3.8	2.8	5.7	5.7
23	Sodium (mg/L)	78	42	19	45	50	39
24	TDS (mg/L)	120	140	130	120	90	90
25	TSS (mg/L)	60	70	60	60	40	40
26	Phosphate (mg/L)	0.186	0.203	0.611	0.141	0.079	0.523

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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	Rain	Clear	Clear	Clear	Clear	Clear
2	Depth of water body (m)	0.6	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)	20	20	20	19	21	20
7	D.O(mg/L)	6.4	6.6	3.1	1.4	2.1	3.5
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	5.5	6.6	7.5	6.4	7.6	7.5
11	Conductivity(us/cm)	98	39	65	66	70	66
12	BOD (mg/L)	1.7	1.7	0.5	0.4	0.5	0.8
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.02	0.009	0.028	0.014	0.03	0.007
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)	25.7	21.7	122.7	33.6	132.6	104.9
18	Chloride (mg/L)	41.6	9.9	24.8	64.5	82.3	24.8
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.357	0.133	0.418	0.764	0.798	0.813
20	Total hardness (mg/L)	64	30	130	140	204	134
21	Calcium (mg/L)	16.8	7.2	37.6	41.6	60	41.6
22	Magnesium (mg/L)	5.2	2.8	8.6	8.6	12.9	7.2
23	Sodium (mg/L)	55	13	14.5	47	61.5	16.5
24	TDS (mg/L)	120	90	120	110	110	100
25	TSS (mg/L)	60	40	60	50	40	40
26	Phosphate (mg/L)	0.25	0.025	0.034	0.048	0.147	0.073

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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	0.7	4	N/A	N/A	N/A
3	Colour	Colourless	Pale yellow	Pale yellow	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	N/A	0.4	0.3	N/A	N/A	N/A
6	Water Temp. (°C)	19	21	22	23	16	16
7	D.O(mg/L)	2.8	7.9	7.6	7.7	7.6	7
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	6.5	7.5	7.1	7.2	6.8	7
11	Conductivity(us/cm)	37	42	39	42	34	38
12	BOD (mg/L)	0.7	2.1	1.8	2.2	1.9	1.7
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.063	0.057	0.088	0.098	0.059	0.069
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)	49.5	27.7	19.8	33.6	21.7	23.7
18	Chloride (mg/L)	20.8	5.9	4.9	6.9	5.9	9.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.122	0.813	0.467	0.437	0.403	0.471
20	Total hardness (mg/L)	84	22	24	26	10	24
21	Calcium (mg/L)	21.6	4.8	5.6	7.2	2.4	6.4
22	Magnesium (mg/L)	7.2	2.4	2.4	1.9	0.9	1.9
23	Sodium (mg/L)	16.5	10.5	22	18	3	8
24	TDS (mg/L)	110	160	140	170	110	100
25	TSS (mg/L)	50	70	70	80	50	40
26	Phosphate (mg/L)	0.039	0.092	0.405	0.11	0.028	0.014

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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		
2	Depth of water body (m)	N/A	N/A	N/A	N/A		
3	Colour	Colourless	Colourless	Colourless	Colourless		
4	Odour	metalic smell	Odourless	Odourless	Odourless		
5	Velocity of Flow(m/sec)	N/A	N/A	N/A	N/A		
6	Water Temp. (°C)	18	20	19	20		
7	D.O(mg/L)		7.6	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	6.1	7.1	7.2	6.8		
11	Conductivity(us/cm)	49	18	349	331		
12	BOD (mg/L)		1.8	1.7			
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.053	0.032	0.01	0.018		
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)	63.3	11.8	29.7	134.6		
18	Chloride (mg/L)	9.9	6.9	31.7	9.9		
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.524	0.213	0.224	0.372		
20	Total hardness (mg/L)	50	10	80	100		
21	Calcium (mg/L)	12	2.4	20	26.4		
22	Magnesium (mg/L)	4.8	0.9	7.2	8.1		
23	Sodium (mg/L)	13.5	30	31	42.5		
24	TDS (mg/L)	80	110	90	110		
25	TSS (mg/L)	30	40	30	50		
26	Phosphate (mg/L)	0.135	0.041	0.127	0.059		

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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		Hot	Clear	Hot		
2	Depth of water body (m)		4.2	0.4	0.5		
3	Colour		Pale yellow	Colourless	Pale yellow		
4	Odour		Odourless	Odourless	Odourless		
5	Velocity of Flow(m/sec)		6.4	0.3	N/A		
6	Water Temp. (°C)		23	21	21		
7	D.O(mg/L)		6.8	7	7		
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		6.4	6.3	6.3		
11	Conductivity(us/cm)		33	35	39		
12	BOD (mg/L)						
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)		0.016	0.007	0.016		
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)		19.8	25.7	25.7		
18	Chloride (mg/L)		7.9	9.9	6.9		
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)		0.213	0.186	0.224		
20	Total hardness (mg/L)		26	30	34		
21	Calcium (mg/L)		6.4	8	8		
22	Magnesium (mg/L)		2.4	2.4	3.2		
23	Sodium (mg/L)		22.5	23	21.5		
24	TDS (mg/L)		140	130	100		
25	TSS (mg/L)		70	60	40		
26	Phosphate (mg/L)		0.041	0.094	0.044		

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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		Hot	Hot	Hot	Hot	Clear
2	Depth of water body (m)		1.2	0.55	1	N/A	5.5ft
3	Colour		Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour		Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)		0.5	N/A	0.6	N/A	1.1
6	Water Temp. (°C)		27	25	24	27	21
7	D.O(mg/L)		6.7	6.8	6.6	3.5	10
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		7.4	6.9	7.3	7.5	8
11	Conductivity(us/cm)		140	142	64	73	32
12	BOD (mg/L)				1.5	0.9	7.6
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)		0.13	0.076	0.046	0.034	0.01
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)		45.5	19.8	49.5	59.4	104.9
18	Chloride (mg/L)		8.9	8.9	6.9	14.8	24.8
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)		0.885	0.6	0.559	0.589	0.334
20	Total hardness (mg/L)		44	50	50	46	30
21	Calcium (mg/L)		12	12	11.2	10.4	8
22	Magnesium (mg/L)		3.3	4.8	5.2	4.8	2.4
23	Sodium (mg/L)		20.5	24	62	44	50.5
24	TDS (mg/L)		110	90	160	120	180
25	TSS (mg/L)		50	40	70	50	80
26	Phosphate (mg/L)		0.079	0.158	0.43	0.171	0.069

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Sl. No.	PARAMETER	RESULT	
		STATION CODE: 3757	STATION CODE: 3758
		55	56
1	Weather	Hot	Cloudy
2	Depth of water body (m)	2ft	N/A
3	Colour	Colourless	Brownish
4	Odour	Odourless	Metallic
5	Velocity of Flow(m/sec)	1.2	N/A
6	Water Temp. (°C)	21	20.5
7	D.O(mg/L)	7.4	0.9
8	Major polluting sources		
9	Use of water at or in down stream of monitoring stations		

**CORE PARAMETERS**

10	pH	8.2	7.4
11	Conductivity(us/cm)	27	38
12	BOD (mg/L)	6.2	0.3
13	Nitrogen- Nitrite (N-NO <sub>2</sub> ) (mg/L)	0.014	0.02
14	Faecal Coliform	NA	NA
15	Total Coliform	NA	NA

**GENERAL PARAMETERS**

16	Turbidity (NTU)		
17	Alkalinity (mg/L)	25.7	132.6
18	Chloride (mg/L)	10.9	11.9
19	Nitrogen Ammonia (N-NH <sub>3</sub> ) (mg/L)	0.407	0.319
20	Total hardness (mg/L)	30	110
21	Calcium (mg/L)	8	32
22	Magnesium (mg/L)	2.4	7.2
23	Sodium (mg/L)	7	76.5
24	TDS (mg/L)	150	110
25	TSS (mg/L)	70	50
26	Phosphate (mg/L)	0.118	0.044