

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: APRIL 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	4	0.7	0.8	0.4	1.5
3	Colour	Pale Yellow	Pale Yellow	Pale Green	Pale Green	Colourless	Pale Yellow
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	2	1	0.3	0.5	N/A	N/A
6	Water Temp. (°C)	19	19	25	25	17	16
7	D.O(mg/L)	5.8	6	7.2	6	5.8	3.1
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	8.2	8.1	8.6	8.2	8	7.1
11	Conductivity(us/cm)	150	453	31	50	62	871
12	BOD (mg/L)	1.3	1.2	1.1	0.6	1	1.1
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.095	0.117	0.092	0.085	0.084	0.127
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)	70.9	76	33.8	79.4	54	143.6
18	Chloride (mg/L)	7.5	7.5	7.5	7.5	31.1	72
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.41	0.612	0.479	0.623	0.296	0.714
20	Total hardness (mg/L)	116	112	46	70	70	120
21	Calcium (mg/L)	35.2	34.4	13.6	20	20.4	34.4
22	Magnesium (mg/L)	6.7	6.2	2.8	4.8	5.7	8.1
23	Sodium (mg/L)	9	34.5	15.5	23.5	42	36
24	TDS (mg/L)	150	170	130	150	90	90
25	TSS (mg/L)	70	80	40	60	50	60
26	Phosphate (mg/L)	0.179	0.14	0.128	0.118	0.168	0.238

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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	Rain	Clear	Clear	Clear	Clear	Clear
2	Depth of water body (m)	0.4	0.8	0.4	0.6	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)	0.6	1.2	0.5	3	1.5	N/A
6	Water Temp. (°C)	23	18	18	20	17	22
7	D.O(mg/L)	6.7	6.5	6.5	6.3	5.8	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	8.3	8	8.5	8.1	7.8	8.8
11	Conductivity(us/cm)	36	266	70	488	48	9
12	BOD (mg/L)	0.6	1.1	1.3	1.3	0.7	0.8
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.113	0.116	0.088	0.121	0.086	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)	45.6	50.7	30.4	84.5	76	87.8
18	Chloride (mg/L)	7.5	15.9	3.7	5.3	9.1	8.3
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.441	0.513	0.547	0.429	0.608	0.308
20	Total hardness (mg/L)	46	118	32	54	66	54
21	Calcium (mg/L)	12	35.2	7.2	12	18.4	16.8
22	Magnesium (mg/L)	3.8	7.2	3.3	5.7	4.8	2.8
23	Sodium (mg/L)	23.5	16.5	7	33	21.5	5
24	TDS (mg/L)	140	120	130	140	140	140
25	TSS (mg/L)	60	50	70	80	60	50
26	Phosphate (mg/L)	0.058	0.213	0.1	0.18	0.133	0.071

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	Cloudy	Cloudy	Cloudy	Hot	Clear	Clear
2	Depth of water body (m)	1.2	0.3	1.3	0.3	1	0.4
3	Colour	Pale Green	Colourless	Pale Green	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	0.4	0.7	0.5	0.9	0.2	0.4
6	Water Temp. (°C)	26	23	25	22	22	21
7	D.O(mg/L)	6.4	6.7	5.7	5.3	5.6	5.4
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	8.4	7.9	8.4	7.36	7.6	7.4
11	Conductivity(us/cm)	42	64	55	345	119	92
12	BOD (mg/L)	1.1	0.8	0.7	1.1	1.2	1.3
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.12	0.12	0.11	0.118	0.103	0.1
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)	42.2	87.8	16.9	177.4	50.7	45.6
18	Chloride (mg/L)	9.1	15.9	6	74.3	7.5	8.3
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.912	0.578	0.524	0.365	0.513	0.528
20	Total hardness (mg/L)	52	100	24	164	54	50
21	Calcium (mg/L)	15.2	33.6	5.6	52	12	12.8
22	Magnesium (mg/L)	3.3	3.8	2.4	8.1	5.7	4.3
23	Sodium (mg/L)	15.5	25	20.5	29	46	21.5
24	TDS (mg/L)	180	120	170	150	160	160
25	TSS (mg/L)	80	50	80	70	70	90
26	Phosphate (mg/L)	0.226	0.102	0.125	0.028	0.151	0.116

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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	Rain	Clear	Clear
2	Depth of water body (m)	0.4		N/A	1.5	0.6	0.4
3	Colour	Colourless		Pale Yellow	Turbid	Colourless	Colourless
4	Odour	Tobacco smell		Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow(m/sec)	1.3		N/A	0.2	N/A	N/A
6	Water Temp. (°C)	21		20	24	17	17
7	D.O(mg/L)	5.5		6.2	6.9	7.2	6.9
8	Major polluting sources	Domestic			Agriculture	Domestic	Domestic
9	Use of water at or in down stream of monitoring stations			Fish pond		Domestic	Domestic

CORE PARAMETERS

10	pH	7.7		7.8	8.2	7.2	7.8
11	Conductivity(us/cm)	233		90	27	89	144
12	BOD (mg/L)	0.8		1.4	0.8	1	1.1
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.104		0.115	0.084	0.088	0.104
14	Faecal Coliform	NA		NA	NA	NA	NA
15	Total Coliform	NA		NA	NA	NA	NA

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	126.7		38.8	50.7	37.1	59.1
18	Chloride (mg/L)	77.3		9.8	7.5	34.1	39.4
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.608		0.578	0.217	0.513	0.692
20	Total hardness (mg/L)	186		50	42	100	74
21	Calcium (mg/L)	57.6		12	11.2	27.2	20
22	Magnesium (mg/L)	10		4.8	3.3	7.6	5.7
23	Sodium (mg/L)	21.5		29.5	16.5	33.5	50
24	TDS (mg/L)	130		170	120	110	90
25	TSS (mg/L)	60		80	50	50	40
26	Phosphate (mg/L)	0.213		0.142	0.158	0.147	0.23

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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	Rain	Rain	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	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)	16	16	17	16	17	17
7	D.O(mg/L)	4.8	4.1	3.9	2.9	4.3	2.1
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	7.33	8.2	7.4	7	6.7	6.2
11	Conductivity(us/cm)	154	62	140	132	74	58
12	BOD (mg/L)	0.9	0.8	0.6	0.5	0.7	0.4
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.109	0.113	0.13	0.091	0.095	0.068
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)	33.8	59.1	104.7	92.9	92.9	131.8
18	Chloride (mg/L)	45.5	17.4	56.8	17.4	49.3	62.2
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.262	0.213	0.912	0.562	0.654	0.513
20	Total hardness (mg/L)	84	50	126	68	104	144
21	Calcium (mg/L)	23.2	14.4	40	18.4	32	45.6
22	Magnesium (mg/L)	6.2	3.3	6.2	5.2	5.7	7.2
23	Sodium (mg/L)	36.5	16	43	22	37.5	28.5
24	TDS (mg/L)	90	120	110	120	120	110
25	TSS (mg/L)	40	50	40	60	60	50
26	Phosphate (mg/L)	0.175	0.054	0.034	0.083	0.089	0.168

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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	0.3	1.5	3.5	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	0.1	N/A	N/A
6	Water Temp. (°C)	18	21	21	19	17	14
7	D.O(mg/L)	2.4	7.4	7.6	7.5	6.8	6.6
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	7.7	7.7	7.5	8	7.5	7.4
11	Conductivity(us/cm)	50	172	114	156	72	138
12	BOD (mg/L)	0.5	1.4	1.7	1.5	1.1	1.3
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.081	0.105	0.102	0.037	0.072	0.096
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)	42.2	45.6	43.9	38.8	25.3	25.3
18	Chloride (mg/L)	15.9	6.8	6	7.5	5.3	9.8
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.319	0.646	0.479	0.357	0.498	0.578
20	Total hardness (mg/L)	64	50	40	46	26	40
21	Calcium (mg/L)	16.8	9.6	9.6	10.2	7.2	7.2
22	Magnesium (mg/L)	5.2	6.2	3.8	4.8	1.9	5.2
23	Sodium (mg/L)	13	11.5	10.5	8.5	2	6
24	TDS (mg/L)	110	160	160	150	90	120
25	TSS (mg/L)	50	80	70	70	40	50
26	Phosphate (mg/L)	0.148	0.188	0.157	0.152	0.093	0.193

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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	Cloudy	Clear	Clear	Clear	Clear	Clear
2	Depth of water body (m)	N/A	0.1	0.1	N/A	5	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	2.1
6	Water Temp. (°C)	17	22	22	20	25	26
7	D.O(mg/L)	1.7	7.1	8.7	2.2	50	6.6
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	7.3	7.1	7.7	6.5	7.2	8.3
11	Conductivity(us/cm)	138	142	154	69	57	83
12	BOD (mg/L)	0.8	1.5	2.1	0.5	1.4	1.3
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.095	0.097	0.09	0.053	0.071	0.052
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)	197.7	16.9	28.7	118.3	25.3	28.7
18	Chloride (mg/L)	5.3	3.7	30.4	5.3	4.5	9.1
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.559	0.437	0.35	0.669	0.334	0.137
20	Total hardness (mg/L)	130	22	80	112	26	54
21	Calcium (mg/L)	38.4	5.6	24	36	6.4	14.4
22	Magnesium (mg/L)	8.1	1.9	4.8	5.2	2.4	4.3
23	Sodium (mg/L)	6	27	31.5	38	35	27
24	TDS (mg/L)	110	130	90	100	90	180
25	TSS (mg/L)	60	50	40	40	50	90
26	Phosphate (mg/L)	0.096	0.087	0.082	0.154	0.169	0.079

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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	Cloudy	Rain	Rain		Clear
2	Depth of water body (m)	1.5	1	0.3	0.4		1.5
3	Colour	Colourless	Muddy	Pale Yellow	Colourless		Muddy
4	Odour	Odourless	Odourless	Odourless	Odourless		Odourless
5	Velocity of Flow(m/sec)	N/A	0.4	0.5	N/A		4
6	Water Temp. (°C)	20	16	14	16		19
7	D.O(mg/L)	6.2	7.2	8.2	7.9		9.3
8	Major polluting sources	Domestic	Domestic	Domestic	Domestic		Agriculture
9	Use of water at or in down stream of monitoring stations	Domestic	Public water supply	Washing	Domestic		Washing

CORE PARAMETERS

10	pH	7.8	6.6	7.8	8.7		7.2
11	Conductivity(us/cm)	78	134	262	134		91
12	BOD (mg/L)	1.4	1.3	1.2	0.9		1.4
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.083	0.102	0.116	0.099		0.046
14	Faecal Coliform	NA	NA	NA	NA		NA
15	Total Coliform	NA	NA	NA	NA		NA

GENERAL PARAMETERS

16	Turbidity (NTU)						
17	Alkalinity (mg/L)	35.4	30.4	35.5	40.5		45.6
18	Chloride (mg/L)	26.5	9.1	4.5	3.7		7.5
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.433	0.733	0.703	0.551		0.357
20	Total hardness (mg/L)	90	30	40	30		52
21	Calcium (mg/L)	25.6	6.4	9.6	6.4		14.4
22	Magnesium (mg/L)	6.2	3.8	3.8	3.3		3.8
23	Sodium (mg/L)	29	25.5	30.5	21		29.5
24	TDS (mg/L)	110	140	140	130		150
25	TSS (mg/L)	50	90	60	50		70
26	Phosphate (mg/L)	0.124	0.219	0.202	0.176		0.152

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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	Cloudy	Cloudy	
2	Depth of water body (m)	2	1.5	1	1	1.5	
3	Colour	Muddy	Colourless	Colourless	Brown	Green	
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	
5	Velocity of Flow(m/sec)	3	3.5	N/A	0.6	N/A	
6	Water Temp. (°C)	21	25	20	22	26	
7	D.O(mg/L)	7.5	4.8	6.9	5.3	12.1	
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	7.7	9.6	8.5
11	Conductivity(us/cm)	84	86	91	21	33	362
12	BOD (mg/L)	1.4	0.8	1.3	0.6	1.5	
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.058	0.067	0.045	0.063	0.099	0.1
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)	35.4	54	25.3	43.9	76	98
18	Chloride (mg/L)	5.3	9.1	6.8	7.5	11.3	11.3
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.144	0.494	0.585	0.137	0.327	0.35
20	Total hardness (mg/L)	40	64	26	50	74	110
21	Calcium (mg/L)	11.2	20	6.4	14.4	21.6	34.4
22	Magnesium (mg/L)	2.8	3.3	2.4	3.3	4.8	5.7
23	Sodium (mg/L)	29	32	21.5	17.5	38	31
24	TDS (mg/L)	140	140	110	130	110	150
25	TSS (mg/L)	60	80	50	50	50	80
26	Phosphate (mg/L)	0.116	0.141	0.086	0.034	0.044	0.175

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

CORE PARAMETERS

10	pH	8.2	7.2
11	Conductivity(us/cm)	125	119
12	BOD (mg/L)		
13	Nitrogen- Nitrite (N-NO ₂) (mg/L)	0.113	0.116
14	Faecal Coliform	NA	NA
15	Total Coliform	NA	NA

GENERAL PARAMETERS

16	Turbidity (NTU)		
17	Alkalinity (mg/L)	101.4	130.1
18	Chloride (mg/L)	7.5	7.5
19	Nitrogen Ammonia (N-NH ₃) (mg/L)	0.452	0.475
20	Total hardness (mg/L)	50	120
21	Calcium (mg/L)	13.6	37.6
22	Magnesium (mg/L)	3.8	6.2
23	Sodium (mg/L)	27	55.5
24	TDS (mg/L)	180	130
25	TSS (mg/L)	80	70
26	Phosphate (mg/L)	0.19	0.149