

ANNUAL AVERAGE READING OF WATER QUALITY DATA UNDER NWMP, MIZORAM FOR THE YEAR 2018

Sl. No	Parameter	Method Used	Unit	River Tlawng, Upstream, Aizawl	River Tlawng, Downstream, Aizawl	River Tuirial, Upstream, Aizawl	River Tuirial, Downstream, Aizawl	Ramhlun North Tuikhur, Aizawl	Mission Vengthlang Tuikhur, Aizawl
				2050	2051	2052	2053	2054	2055
1	D.O	Iodometric Method	mg/l	5.73	5.4	5.85	5.7	4.88	3.76
2	pH	Float Method	-	2.92	3	3.24	3.14	2.16	3.03
3	Conductivity	Conductometric Method	us/cm	177.67	188.17	224.5	280.33	106.836	192.75
4	BOD	Dilution Method	mg/l	1.05	1.337	1.2	1.208	0.986	0.7
5	Nitrogen- Nitrite (N-NO2)	Calorimetric Method	mg/l	0.03	0.04	0.03	0.04	0.036	0.05
6	Faecal Coliform	Multiple Tube Dilution Method	MPN	0.55	3.58	0	0.3	0	0
7	Total Coliform	Multiple Tube Dilution Method	MPN	1139.58	3835.75	1657.75	1682.75	4.42	200
8	Turbidity	Turbimetric Method	NTU	0.69	1.28	0.73	0.92	0.08	0.37
9	Alkalinity	Visual Titration	mg/l	32.42	33.18	34.39	34.56	25.84	92.36
10	Chloride	Argentometric titration	mg/l	7.37	7.19	8.12	8.35	28.48	42.65
11	Nitrogen Ammonia (N-NH3)	Calorimetric Method	mg/l	0.27	0.27	0.20	46.77	0.49	0.35
12	Total hardness	Complexometric Titration	mg/l	40.33	43	45.17	42.83	41	92.88
13	Calcium	Complexometric Titration	mg/l	10.13	9.88	11	10.73	10.13	29.4
14	Magnesium	Calculation Method	mg/l	3.6	3.83	4.25	3.82	3.75	6.9
15	Sodium	Flame Photometric method	mg/l	1.29	1.54	1.92	2.29	5.29	4.83

16	TDS	Gravimetric Method	mg/l	0	0	0	0	0	0
17	TSS	-----do-----	mg/l	0.21	0.17	0.17	0.25	0.17	0.42
18	Phosphate	Calorimetric Method	mg/l	0.08	0.08	0.08	0.11	0.08	0.07
19	Potassium	Flame Photometric method	mg/l	0.46	0.54	0.25	0.5	0.83	0.79

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Sl. No	Parameter	Method Used	Unit	Tlawng River, Sairang	Serlui Stream, Reiek Kai, near P.H.E Water Treatment Plant	Vaipuanpho Stream, Reiek Kai	Tuikual Stream, Reiek Kai	Sakhisih Stream, Mission Vengthlang	Tuirial River, Upstream Near Sumsuih Village
				3709	3710	3711	3712	3713	3714
1	D.O	Iodometric Method	mg/l	5.65	5.18	5.21	5.38	4.12	5.58
2	pH	Float Method	-	3.06	3.058	2.89	2.84	2.91	2.83
3	Conductivity	Conductometric Method	us/cm	263.836	182.58	196.33	123.75	197.5	186
4	BOD	Dilution Method	mg/l	1.01	0.91	0.92	0.94	0.95	0.97
5	Nitrogen- Nitrite (N-NO ₂)	Calorimetric Method	mg/l	0.03	0.03	0.03	0.06	0.04	0.03
6	Faecal Coliform	Multiple Tube Dilution Method	MPN	0.6	0.3	0	0	0.3	0
7	Total Coliform	Multiple Tube Dilution Method	MPN	1473.42	91.67	200	20	91.67	0
8	Turbidity	Turbimetric Method	NTU	2.33	0.73	1.03	1.05	0.37	0.27
9	Alkalinity	Visual Titration	mg/l	35.63	31.8	28.58	55.38	99.8	26.44
10	Chloride	Argentometric titration	mg/l	7.57	8.73	6.275	32.39	53.08	7.15
11	Nitrogen Ammonia (N-NH ₃)	Calorimetric Method	mg/l	0.567	0.26	0.26	0.324	0.21	0.457
12	Total hardness	Complexometric Titration	mg/l	45.5	36.83	37	66.33	115	35
13	Calcium	Complexometric Titration	mg/l	10.8	9.45	9.6	16.33	33.4	8.6
14	Magnesium	Calculation Method	mg/l	4.425	3.14	3.1	5.89	7.74	3.28
15	Sodium	Flame Photometric method	mg/l	2.79	2.13	1.79	2	8.46	0.92

16	TDS	Gravimetric Method	mg/l	0	0	0	0.33	0	0.927
17	TSS	-----do-----	mg/l	0.21	0.083	0.17	0.13	0.58	0.17
18	Phosphate	Calorimetric Method	mg/l	0.11	0.08	0.08	0.10	0.19	0.08
19	Potassium	Flame Photometric method	mg/l	0.38	0.5	0.25	0.33	0.75	1

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Sl. No	Parameter	Method Used	Unit	Tuirial River, Airfield, before Dumping Ground	Damdiai Stream, Airfield, near Dumping Ground	Tuirial River, Airfield, after Dumping Ground	Chite Stream, Armed Veng, near Mini Sports Complex	Tuirini River, Seling	Tuivawl River, Near Tuivawl Bridge, Keifang
				3715	3716	3717	3718	3719	3720
1	D.O	Iodometric Method	mg/l	5.65	5.08	5.53	4.19	8.00	7.79
2	pH	Float Method	-	3.25	3.08	3.24	2.89	4.27	4.26
3	Conductivity	Conductometric Method	us/cm	236.83	228.08	234.58	121.67	143.67	175
4	BOD	Dilution Method	mg/l	1.08	0.93	1.058	1.07	1.15	1.12
5	Nitrogen- Nitrite (N-NO ₂)	Calorimetric Method	mg/l	0.03	0.03	0.03	0.11	0.02	0.06
6	Faecal Coliform	Multiple Tube Dilution Method	MPN	0	0	0	0.61	0	0
7	Total Coliform	Multiple Tube Dilution Method	MPN	200	200	200	200	0	0
8	Turbidity	Turbimetric Method	NTU	1.02	0.88	1.08	0.23	1.36	2.03
9	Alkalinity	Visual Titration	mg/l	33.03	46.48	39.46	133.67	35.38	34.07
10	Chloride	Argentometric titration	mg/l	8.22	10.26	9.49	65.51	7.15	6.92
11	Nitrogen Ammonia (N-NH ₃)	Calorimetric Method	mg/l	0.19	0.22	0.19	0.61	0.53	0.41
12	Total hardness	Complexometric Titration	mg/l	43.67	56.5	47.17	144.67	38.93	43.38
13	Calcium	Complexometric Titration	mg/l	10.47	13.47	11.47	44.87	9.58	9.98
14	Magnesium	Calculation Method	mg/l	4.18	5.46	4.43	7.83	5.06	4.38
15	Sodium	Flame Photometric method	mg/l	2.25	2	2.5	19.38	2	3.25

16	TDS	Gravimetric Method	mg/l	0	0	0	0	0	0
17	TSS	-----do-----	mg/l	0.38	0.17	0.21	0.58	0	0
18	Phosphate	Calorimetric Method	mg/l	0.09	0.10	0.12	0.09	0.07	0.06
19	Potassium	Flame Photometric method	mg/l	0.29	0.25	0.17	0.34	0.25	0.46

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Sl. No	Parameter	Method Used	Unit	Lawibual Stream, Lawibual village	Lawibuai Fishpond	Tamdil Lake, Saitual	Challui, Lengpui	Lungli Tuikhur, Republic Veng	Ramhlun 'S' Tuikhur, near Community Hall
				3721	3722	3723	3724	3725	3726
1	D.O	Iodometric Method	mg/l	3.75	5.07	8.16	5.18	4.63	5.16
2	pH	Float Method	-	2.94	2.91	3.91	3.11	2.98	2.86
3	Conductivity	Conductometric Method	us/cm	209.17	192.83	158.18	218.5	121.08	120.08
4	BOD	Dilution Method	mg/l	0.82	1	1.18	0.98	1.01	1.07
5	Nitrogen- Nitrite (N-NO ₂)	Calorimetric Method	mg/l	0.05	0.05	0.03	0.06	0.02	0.05
6	Faecal Coliform	Multiple Tube Dilution Method	MPN	0	0	0	0.6	0	0
7	Total Coliform	Multiple Tube Dilution Method	MPN	200	0	0	400	1.25	400
8	Turbidity	Turbimetric Method	NTU	2.00	2.81	0.77	2.8	0.25	0.18
9	Alkalinity	Visual Titration	mg/l	85.05	33.02	39.95	39.31	31.65	23.7
10	Chloride	Argentometric titration	mg/l	31.98	18.36	7.65	8.78	15.9	26.94
11	Nitrogen Ammonia (N-NH ₃)	Calorimetric Method	mg/l	8.88	0.32	0.43	0.56	0.24	0.36
12	Total hardness	Complexometric Titration	mg/l	90.47	46.57	47.93	43.72	47.17	37
13	Calcium	Complexometric Titration	mg/l	24.43	11.87	10.75	11.15	10.4	9.2
14	Magnesium	Calculation Method	mg/l	8.16	4.5	5.05	4.59	5.05	3.35
15	Sodium	Flame Photometric method	mg/l	7.29	5.88	2.41	4.54	9.54	4.25

16	TDS	Gravimetric Method	mg/l	0	0	0	0	0	0
17	TSS	-----do-----	mg/l	0	0	0	0	0	0
18	Phosphate	Calorimetric Method	mg/l	0.08	0.089	0.06	0.14	0.06	0.14
19	Potassium	Flame Photometric method	mg/l	1.38	1.21	0.68	0.75	0.75	0.67

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Sl. No	Parameter	Method Used	Unit	Tuithiang Veng Tuikhur	Khurpui Tuikhur, S.Hlimen	Bawngkawn Hand Pump near HB Petrol Pump	Selesih Hand Pump	Tuikual Hand Pump	Chaltlang Hand Pump near Remi Tyre Works
				3727	3728	3729	3730	3731	3732
1	D.O	Iodometric Method	mg/l	3.67	4.95	2.67	2.83	2.18	1.33
2	pH	Float Method	-	2.77	2.83	2.73	2.78	2.82	2.69
3	Conductivity	Conductometric Method	us/cm	199	129.83	196.58	206.83	178.5	237.67
4	BOD	Dilution Method	mg/l	0.98	1.22	0.74	0.84	0.58	0.49
5	Nitrogen- Nitrite (N-NO ₂)	Calorimetric Method	mg/l	0.027	0.03	0.05	0.05	0.05	0.08
6	Faecal Coliform	Multiple Tube Dilution Method	MPN	5.33	0	0	0	0	0
7	Total Coliform	Multiple Tube Dilution Method	MPN	200	91.67	0	0	0	0
8	Turbidity	Turbimetric Method	NTU	0.26	0.24	0.69	0.85	0.31	1.31
9	Alkalinity	Visual Titration	mg/l	24.13	36.39	57.2	40.33	75.93	75.92
10	Chloride	Argentometric titration	mg/l	14.72	20.07	32.05	23.8	38.53	56.48
11	Nitrogen Ammonia (N-NH ₃)	Calorimetric Method	mg/l	0.22	0.18	0.40	0.45	0.47	0.45
12	Total hardness	Complexometric Titration	mg/l	41.67	45.83	80.55	64.583	105.83	101.67
13	Calcium	Complexometric Titration	mg/l	8.87	11.33	20.92	16.23	29.47	28.33
14	Magnesium	Calculation Method	mg/l	4.675	4.18	6.83	6.03	7.69	7.23
15	Sodium	Flame Photometric method	mg/l	4.042	6.5	4.92	3.17	2.71	3.83
16	TDS	Gravimetric Method	mg/l	0	0	0	0	0	0

17	TSS	-----do-----	mg/l	0	0	0	0	0	0
18	Phosphate	Calorimetric Method	mg/l	0.08	0.13	0.15	0.20	0.19	0.25
19	Potassium	Flame Photometric method	mg/l	0.71	0.42	0.79	0.83	1.04	0.79

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Sl. No	Parameter	Method Used	Unit	S.Hlimen Hand Pump	Tlawng River, Upstream, Zobawk, Lunglei	Mat River	Tlawng River, Pialthleng, Zotlang, Lunglei	Vaitui Tuikhur, Theiriat, Lunglei	Sap Tuikhur, Serkawn
				3733	3734	3735	3736	3737	3738
1	D.O	Iodometric Method	mg/l	2.28	7.32	7.46	7.18	7.04	6.94
2	pH	Float Method	-	2.88	2.92	2.89	3.11	2.98	2.93
3	Conductivity	Conductometric Method	us/cm	223	184.33	148.5	136.25	151.23	156.75
4	BOD	Dilution Method	mg/l	0.86	0.88	0.93	0.98	0.93	0.88
5	Nitrogen- Nitrite (N-NO ₂)	Calorimetric Method	mg/l	0.058	0.06	0.05	0.04	0.07	0.04
6	Faecal Coliform	Multiple Tube Dilution Method	MPN	0.01	0.03	0	0	0	0
7	Total Coliform	Multiple Tube Dilution Method	MPN	0	0	0	0	0	0
8	Turbidity	Turbimetric Method	NTU	2.58	0.44	1.14	0.14	0.15	0.17
9	Alkalinity	Visual Titration	mg/l	63.96	27	28.72	32.67	32.76	24.5
10	Chloride	Argentometric titration	mg/l	46.46	15.83	7.38	8.21	20.71	11.28
11	Nitrogen Ammonia (N-NH ₃)	Calorimetric Method	mg/l	2.02	0.63	0.25	0.24	0.29	0.36
12	Total hardness	Complexometric Titration	mg/l	84.18	35.93	38.96	43.05	42.88	34.35
13	Calcium	Complexometric Titration	mg/l	34.87	10.47	9.25	10.7	10.97	8.63
14	Magnesium	Calculation Method	mg/l	9.78	3.66	3.18	4.10	4.67	3.24
15	Sodium	Flame Photometric method	mg/l	3.31	1.16	2.67	3.17	1.67	2.5

16	TDS	Gravimetric Method	mg/l	0	0	0	0	0	0
17	TSS	-----do-----	mg/l	0	0	0	0	0	0
18	Phosphate	Calorimetric Method	mg/l	0.23	0.09	0.12	0.06	0.06	0.09
19	Potassium	Flame Photometric method	mg/l	0.21	1.96	1.54	1.67	0.54	0.33

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Sl. No	Parameter	Method Used	Unit	Zobawk Veng Hand Pump, Lunglei	Saikah Stream, Lawngtlai	Khurpui Tuikhur, Lawngtlai	Chanmari Hand Pump, Lawngtlai	P.H.E Reservoir, Helipad, New Saiha	Chhimtuipui River, Kawlchaw
				3739	3740	3741	3742	3743	3744
1	D.O	Iodometric Method	mg/l	2.66	7.19	7.27	3.22	7.02	6.77
2	pH	Float Method	-	2.98	3.020	2.90	2.88	2.96	2.99
3	Conductivity	Conductometric Method	us/cm	196	171.83	206.08	223.42	111.25	112.33
4	BOD	Dilution Method	mg/l	1.02	0.9	1.13	0.56	0.97	0.96
5	Nitrogen- Nitrite (N-NO ₂)	Calorimetric Method	mg/l	0.11	0.03	0.03	0.02	0.03	0.03
6	Faecal Coliform	Multiple Tube Dilution Method	MPN	0	0	0	0	0	0
7	Total Coliform	Multiple Tube Dilution Method	MPN	0	0	0	0	0	0
8	Turbidity	Turbimetric Method	NTU	9.66	0.11	0.38	1.72	0.31	1.06
9	Alkalinity	Visual Titration	mg/l	99.13	31.34	30.43	87	22.79	43.21
10	Chloride	Argentometric titration	mg/l	26.47	9	23.63	35.5	9.47	8.73
11	Nitrogen Ammonia (N-NH ₃)	Calorimetric Method	mg/l	0.52	0.19	0.21	0.24	0.24	0.20
12	Total hardness	Complexometric Titration	mg/l	106.22	40.67	44	98.33	29	51
13	Calcium	Complexometric Titration	mg/l	30.86	9.85	11.03	27.93	7.53	12.2
14	Magnesium	Calculation Method	mg/l	7.03	3.8	3.89	6.8	2.43	4.74
15	Sodium	Flame Photometric method	mg/l	6.29	1.38	4.54	2.5	1.33	3.71

16	TDS	Gravimetric Method	mg/l	0	0	0	0	0	0
17	TSS	-----do-----	mg/l	0	0	0	0	0	0
18	Phosphate	Calorimetric Method	mg/l	0.13	0.07	0.08	0.11	0.09	0.08
19	Potassium	Flame Photometric method	mg/l	0.92	1.17	0.75	0.63	0.5	0.79

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Sl. No	Parameter	Method Used	Unit	Chhochhopa Tuikhur, Saiha	Tuikum River, Serchhip	Sesah Stream, Serchhip	Project veng Hand Pump, Serchhip	Lahmun River, Phaizau, Mamit	Teirei River, near Bawngva Village, Mamit
				3745	3746	3747	3748	3749	3750
1	D.O	Iodometric Method	mg/l	6.53	6.75	7.18	7.36	6.61	6.51
2	pH	Float Method	-	2.25	2.95	2.91	2.98	3.01	2.97
3	Conductivity	Conductometric Method	us/cm	118.92	175.08	177.42	182.17	135.83	141.75
4	BOD	Dilution Method	mg/l	1.23	1.05	1.13	1.19	1.07	1.217
5	Nitrogen- Nitrite (N-NO ₂)	Calorimetric Method	mg/l	0.03	0.05	0.05	0.04	0.03	0.05
6	Faecal Coliform	Multiple Tube Dilution Method	MPN	0	0	0	0	0	0
7	Total Coliform	Multiple Tube Dilution Method	MPN	0	0	0	0	0	0
8	Turbidity	Turbimetric Method	NTU	0.28	0.34	0.3	0.33	0.33	0.62
9	Alkalinity	Visual Titration	mg/l	29.82	26.44	28.03	39.92	45.82	36.18
10	Chloride	Argentometric titration	mg/l	20.29	6.73	7.13	9.18	7.98	7.56
11	Nitrogen Ammonia (N-NH ₃)	Calorimetric Method	mg/l	0.26	0.49	0.54	0.50	0.52	0.28
12	Total hardness	Complexometric Titration	mg/l	39.67	30.88	31.93	45.67	59.17	30.75
13	Calcium	Complexometric Titration	mg/l	10.07	7.87	8.08	10.18	13.94	12.43
14	Magnesium	Calculation Method	mg/l	3.75	2.68	3	5.27	5.83	4.29
15	Sodium	Flame Photometric method	mg/l	1.38	2.13	1.46	2.08	6.46	3.29
16	TDS	Gravimetric Method	mg/l	0	0	0	0	0	0

17	TSS	-----do-----	mg/l	0	0	0	0	0	0
18	Phosphate	Calorimetric Method	mg/l	0.12	0.202	0.162	0.18	0.11	0.10
19	Potassium	Flame Photometric method	mg/l	0.212	0.582	0.71	0.63	0.38	0.5

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Sl. No	Parameter	Method Used	Unit	Tut River, near Dapchhuah Village	Tuichhuahen Stream, Kolasib	Hmar Veng Tuikhur, Kolasib	Tlawng River, Downstream, Bairabi	Pond, near Thermal Power Plant, Bairabi	Tiau River, Champhai
				3751	3752	3753	3754	3755	3756
1	D.O	Iodometric Method	mg/l	6.74	7.18	7.6	5.64	5.2	5.54
2	pH	Float Method	-	2.96	2.89	2.94	3.09	3.04	3.09
3	Conductivity	Conductometric Method	us/cm	120.17	137.25	221.75	130.67	154.67	282.25
4	BOD	Dilution Method	mg/l	1.33	1.18	1.44	1.08	1.25	0.9
5	Nitrogen- Nitrite (N-NO ₂)	Calorimetric Method	mg/l	0.038	0.04	0.03	0.04	0.026	0.02
6	Faecal Coliform	Multiple Tube Dilution Method	MPN	0	0	0	0	0	0
7	Total Coliform	Multiple Tube Dilution Method	MPN	0	0	0	0.63	0	0
8	Turbidity	Turbimetric Method	NTU	0.64	0.69	0.61	3.35	0.81	0.31
9	Alkalinity	Visual Titration	mg/l	35.79	42.46	29.05	37.08	41.43	44.11
10	Chloride	Argentometric titration	mg/l	8.18	12.53	9.41	6.94	9.16	7.33
11	Nitrogen Ammonia (N-NH ₃)	Calorimetric Method	mg/l	0.28	0.257	0.21	3.26	0.43	0.49
12	Total hardness	Complexometric Titration	mg/l	42	53	35.7	36.33	53.67	51
13	Calcium	Complexometric Titration	mg/l	10.6	11.21	8.4	8.45	17.73	12.27
14	Magnesium	Calculation Method	mg/l	4.25	5.9	3.53	3.69	5.48	4.87
15	Sodium	Flame Photometric method	mg/l	2.38	3.33	1.63	2.29	12.58	3.13
16	TDS	Gravimetric Method	mg/l	0	0	0	0	0	0

17	TSS	-----do-----	mg/l	0	0	0	0	0	0
18	Phosphate	Calorimetric Method	mg/l	0.09	0.12	0.10	0.08	0.08	0.06
19	Potassium	Flame Photometric method	mg/l	0.799	1.21	0.38	1.08	1.29	0.5

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Sl. No	Parameter	Method Used	Unit	Tuipui River, Champhai	Bethel Veng Hand-pump, Champhai	Chite Stream, near SIPMIU's SIP, Bethlehem Vengthlang	Tuikual Stream (U/S), near New Secretariat Complex, Dinthar, Aizawl	P.H.E Water Reservoir (Tlawng River Water), Tuikhuahtlang, Aizawl	P.H.E Water Reservoir (Tawizo Stream Water), Rulchawm Village
				3757	3758	4114	4115	4116	4117
1	D.O	Iodometric Method	mg/l	5.54	20.78	4.74	4.58	6.22	6.9
2	pH	Float Method	-	3.09	2.93	5.97	5.70	5.45	5.55
3	Conductivity	Conductometric Method	us/cm	282.25	194.17	187	221.2	98.8	70.8
4	BOD	Dilution Method	mg/l	0.9	1.17	1.28	0.3	0.84	0.56
5	Nitrogen- Nitrite (N-NO ₂)	Calorimetric Method	mg/l	0.02	0.03	0.16	0.48	0.02	0.02
6	Faecal Coliform	Multiple Tube Dilution Method	MPN	0	0	0	4.6	0	0
7	Total Coliform	Multiple Tube Dilution Method	MPN	0	0	0	480	186	0
8	Turbidity	Turbimetric Method	NTU	0.31	2.59	0.84	0.67	0.24	0.22
9	Alkalinity	Visual Titration	mg/l	44.11	85.89	141.18	85.28	36.78	32.02
10	Chloride	Argentometric titration	mg/l	7.33	30.64	67.9	32.78	6.6	7.86
11	Nitrogen Ammonia (N-NH ₃)	Calorimetric Method	mg/l	0.49	0.58	1.40	0.88	0.35	0.84
12	Total hardness	Complexometric Titration	mg/l	51	101.17	143.6	90	40.8	36.52
13	Calcium	Complexometric Titration	mg/l	12.27	28.21	45.76	24.36	9.6	9.02
14	Magnesium	Calculation Method	mg/l	4.87	7.34	7.02	6.6	4.04	3.56

15	Sodium	Flame Photometric method	mg/l	3.125	7.625	37.9	10.5	4.5	2.6
16	TDS	Gravimetric Method	mg/l	0	0	0	0	0.3	0
17	TSS	-----do-----	mg/l	0	0	0	0	0	0
18	Phosphate	Calorimetric Method	mg/l	0.06	0.10	0.11	0.10	0.27	0.09
19	Potassium	Flame Photometric method	mg/l	0.5	0.71	14.4	1.1	0.8	0.9

ANNUAL AVERAGE READING OF WATER QUALITY DATA UNDER NWMP, MIZORAM FOR THE YEAR 2018

Sl. No	Parameter	Method Used	Unit	Teirei Reiver (D/S), near Conflucning Point with Tlawng River, Sapmara Village	Tlawng River, Suarpui, Bairabi HEPP Dam Site, Bairabi Village	Khawthlangtuipui River, Tlabung	Tuipui Darzokai River (Chhimbauipui) Tuipui D village	Electric Veng Tuikhur, Lunglei	Tuipui (U/S) near Conflucning Point with Keilungliah Stream, Vengthar, Champhai
				4120	4121	4122	4123	4124	4125
1	D.O	Iodometric Method	mg/l	5.6	5.88	7.8	7.45	6.9	6.25
2	pH	Float Method	-	5.56	4.29	6.62	6.87	5.12	7.15
3	Conductivity	Conductometric Method	us/cm	93.8	100.4	30	59	79.4	73.25
4	BOD	Dilution Method	mg/l	0.94	0.61	0.35	0.3	0.64	0.4
5	Nitrogen- Nitrite (N-NO ₂)	Calorimetric Method	mg/l	0.06	0.02	0.01	0.01	0.01	0.02
6	Faecal Coliform	Multiple Tube Dilution Method	MPN	0	2	0	0	0	0
7	Total Coliform	Multiple Tube Dilution Method	MPN	0	0	0	0	0	0
8	Turbidity	Turbimetric Method	NTU	6.56	14.2	1.65	1.15	0.32	0.45
9	Alkalinity	Visual Titration	mg/l	47.72	48.86	60.75	56.7	24.04	35.85
10	Chloride	Argentometric titration	mg/l	13.58	6.42	12	12.5	31.48	10.75
11	Nitrogen Ammonia (N-NH ₃)	Calorimetric Method	mg/l	0.44	0.38	0.68	0.22	0.18	0.95
12	Total hardness	Complexometric Titration	mg/l	48	36.8	66	53.25	50.4	37.5
13	Calcium	Complexometric Titration	mg/l	11.84	8.64	16.43	16.6	12.64	8.2

14	Magnesium	Calculation Method	mg/l	4.42	3.66	5.53	3.1	4.5	4.1
15	Sodium	Flame Photometric method	mg/l	3.72	4	9.5	2.75	8.6	6.25
16	TDS	Gravimetric Method	mg/l	0	0	0	0	0	0
17	TSS	-----do-----	mg/l	0	0	0	0	0	0
18	Phosphate	Calorimetric Method	mg/l	0.0424	0.08	0.04	0.08	0.05	0.06
19	Potassium	Flame Photometric method	mg/l	1.9	2	1.5	2.25	3	2.13

ANNUAL AVERAGE READING OF WATER QUALITY DATA UNDER NWMP, MIZORAM FOR THE YEAR 2018

Sl. No	Parameter	Method Used	Unit	Pawhhawn Tuikhur, near GM H.S.S, Vengsang, Champhai	Khurpui Tuikhur, New Colony, Saiha	Hand-Pump, New Saiha Bazar	Tuivamit Tuikhur, AOC Veng, Lawngtlai	Ngengpui Stream, near Kaladan Multi Modal Road, Ngengpui Village	P.H.E Reservoir (Chengkawl Lui & Chengpawng Li), Chawnhu village
				4126	4127	4128	4129	4130	4131
1	D.O	Iodometric Method	mg/l	5.48	6.22	3.23	6.16	7.1	6.83
2	pH	Float Method	-	6.17	7	7.05	5.81	7.07	7.63
3	Conductivity	Conductometric Method	us/cm	71.25	62.75	74.5	82.8	70.75	71.5
4	BOD	Dilution Method	mg/l	0.45	0.63	0.7	0.62	0.35	0.28
5	Nitrogen- Nitrite (N-NO ₂)	Calorimetric Method	mg/l	0.014	0.05	0.16	0.03	0.02	0.01
6	Faecal Coliform	Multiple Tube Dilution Method	MPN	0	0	0	0	0	0
7	Total Coliform	Multiple Tube Dilution Method	MPN	0	0	0	0	0.05	0
8	Turbidity	Turbimetric Method	NTU	0.43	0.55	3.2	0.42	14.13	0.58
9	Alkalinity	Visual Titration	mg/l	36.8	36.33	80.4	53.3	33.13	39.1
10	Chloride	Argentometric titration	mg/l	12.25	17.85	25.1	6.78	5.56	6.75
11	Nitrogen Ammonia (N-NH ₃)	Calorimetric Method	mg/l	0.95	0.34	0.38	0.29	14.62	0.26
12	Total hardness	Complexometric Titration	mg/l	52.5	59	60	48.8	30.4	37.5
13	Calcium	Complexometric Titration	mg/l	11.4	14.2	15.2	11.68	7.85	7.2

14	Magnesium	Calculation Method	mg/l	5.78	5.65	5.28	4.72	10.13	6.13
15	Sodium	Flame Photometric method	mg/l	10.88	14.13	27.25	4.9	6.13	1.75
16	TDS	Gravimetric Method	mg/l	0	0	0	0	0	0
17	TSS	-----do-----	mg/l	0	0	0	0	0	0.00
18	Phosphate	Calorimetric Method	mg/l	0.05	0.14	0.14	0.09	0.10	0.70
19	Potassium	Flame Photometric method	mg/l	1	3.13	2.28	1.1	2.75	1.68

ANNUAL AVERAGE READING OF WATER QUALITY DATA UNDER NWMP, MIZORAM FOR THE YEAR 2018

Sl. No	Parameter	Method Used	Unit	Vantawng Waterfall, Buangpui Ram, near Thenzawl Town	Ngharpet Veng Tuikhur, Lungsir, Mamit
				4132	4133
1	D.O	Iodometric Method	mg/l	6.16	6.17
2	pH	Float Method	-	5.63	7.08
3	Conductivity	Conductometric Method	us/cm	78.8	60.67
4	BOD	Dilution Method	mg/l	1.12	1.13
5	Nitrogen- Nitrite (N-NO ₂)	Calorimetric Method	mg/l	0.04	0.08
6	Faecal Coliform	Multiple Tube Dilution Method	MPN	0	0
7	Total Coliform	Multiple Tube Dilution Method	MPN	0	0
8	Turbidity	Turbimetric Method	NTU	1.18	0.1
9	Alkalinity	Visual Titration	mg/l	23.18	31.13
10	Chloride	Argentometric titration	mg/l	5.7	19.5
11	Nitrogen Ammonia (N-NH ₃)	Calorimetric Method	mg/l	0.36	0.294
12	Total hardness	Complexometric Titration	mg/l	25.32	44
13	Calcium	Complexometric Titration	mg/l	6.4	9.33
14	Magnesium	Calculation Method	mg/l	2.22	4.97
15	Sodium	Flame Photometric method	mg/l	5.2	25
16	TDS	Gravimetric Method	mg/l	0	0

17	TSS	-----do-----	mg/l	0	0
18	Phosphate	Calorimetric Method	mg/l	0.28	0.12
19	Potassium	Flame Photometric method	mg/l	1.2	3.67

(Source: Mizoram Pollution Control Board)