

J&K LAKES AND WATERWAYS DEVELOPMENT AUTHORITY.

Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 09-02-2021.

Parameters	Units	Hazratbal		Habak		Laam		Brarinambal LDA		Brarinambal UEED		Nallah Amir Khan		Norms as per NGT	Permissible limits as per CPCB
		Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final		
Air Temperature	°C	7.1		6.9		6.9		10.1		NA		7.7		--	--
W. Temp.	°C	9.1	8.8	7.8	7.6	8.7	8.3	7.8	7.6	NA	NA	8.7	8.3	--	5°C above receiving water body
pH	--	7.2	7.6	7.2	7.5	7.4	7.6	7.0	7.5	NA	NA	7.4	7.5	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.4	4.2	0.6	5.5	0.4	4.8	0.8	6.4	NA	NA	0.6	5.7		--
Ammonical Nitrogen	mg/l	12.67	11.2	13.07	8.6	7.44	6.48	9.4	1.9	NA	NA	9.7	2.1	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.1	1.1	2.9	1.0	1.9	0.8	3.2	1.0	NA	NA	2.4	0.8	1.0 as T.P	5.0
T.S.S	mg/l	235	41	270	40	220	35	255	28	NA	NA	191	26	20	100
Fecal Coliform	Col/100 ml	-	450	-	465	-	450	--	470	--	NA	-	440	Desirable =100 Permissible =230	-

Note: - Samples for BOD Estimation under incubation.

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Parameters	Units	Hazratbal		Habak		Laam		Brarinambal LDA		Brarinambal UEED		Nallah Amir Khan		Norms as per NGT	Permissible limits as per CPCB
		Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final		
Air Temperature	°C	10.5		10.4		10.5		9.8		9.9		10.2		--	--
W. Temp.	°C	9.3	9.8	8.1	8.7	8.9	9.1	7.2	7.5	7.9	7.3	10.0	8.4	--	5°C above receiving water body
pH	--	7.3	7.4	7.3	7.5	7.4	7.5	7.2	7.6	7.1	7.2	7.3	7.4	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.3	3.8	0.4	5.8	0.4	6.2	0.6	6.0	0.2	4.0	0.6	5.6		--
Ammonical Nitrogen	mg/l	11.90	10.0	13.2	9.1	11.5	9.0	12.8	2.7	14.0	12.5	11.6	2.5	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.4	1.1	3.2	1.8	1.9	0.8	2.8	0.8	3.1	2.4	2.4	0.8	1.0 as T.P	5.0
T.S.S	mg/l	226	37	252	36	258	35	228	25	257	141	196	24	--	100
Fecal Coliform	Col/100 ml	-	480	-	490	-	485	--	495	--	2700	-	460	Desirable =100 Permissible =230	-

Note: - Samples for BOD Estimation under incubation

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Parameters	Units	Hazratbal		Habak		Laam		Brarinambal LDA		Brarinambal UEED		Nallah Amir Khan		Norms as per NGT	Permissible limits as per CPCB
		Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final		
Air Temperature	°C	10.3		10.2		9.8		10.5		10.5		10.4		--	--
W. Temp.	°C	9.4	9.6	8.1	8.4	9.3	9.1	7.7	8.1	8.5	8.5	8.7	8.9	--	5°C above receiving water body
pH	--	7.3	7.5	7.3	7.6	7.4	7.7	7.2	7.7	7.1	7.3	7.3	7.6	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.2	3.6	0.4	4.8	0.6	5.6	0.6	6.0	0.2	4.0	0.6	5.6		--
Ammonical Nitrogen	mg/l	11.74	10.2	15.98	10.8	16.45	12.50	13.5	2.0	17.1	14.5	14.6	2.8	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.5	1.2	2.7	1.1	1.8	0.9	3.0	0.9	2.8	2.1	2.3	0.7	1.0 as T.P	5.0
T.S.S	mg/l	251	40	260	35	236	37	248	27	289	145	185	25	--	100
Fecal Coliform	Col/100 ml	-	475	-	485	-	460	--	475	--	2800	-	450	Desirable =100 Permissible =230	-

Note: - Samples for BOD Estimation under incubation.