

## J&K LAKES AND WATERWAYS DEVELOPMENT AUTHORITY.

Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 18-02-2021.

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	14.3		14.3		14.1		14.0		14.0		14.2		--	--
W. Temp.	°C	10.9	11.1	10.1	9.7	9.9	11.2	9.6	9.3	9.6	10.6	11.5	10.8	--	5°C above receiving water body
pH	--	7.0	7.4	7.2	7.3	7.2	7.6	7.0	7.6	7.2	7.4	7.4	7.6	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.2	3.2	0.4	4.0	0.8	5.2	0.6	5.6	0.0	2.4	1.2	5.2		--
Ammonical Nitrogen	mg/l	14.6	11.3	21.9	16.7	12.2	10.7	16.4	2.1	17.0	16.1	16.9	2.0	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.6	1.0	3.3	1.1	1.8	0.9	2.9	0.6	3.1	2.0	3.0	0.7	1.0 as T.P	5.0
T.S.S	mg/l	363	43	356	48	168	25	367	34	352	176	390	23	--	100
Fecal Coliform	Col/100 ml	-	650	-	700	-	550	--	500	--	3400	-	500	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	15.1		15.3		15.0		15.4		15.3		NA		--	--
W. Temp.	°C	10.6	11.1	9.9	10.0	10.0	10.1	9.5	9.3	11.5	11.8	NA	NA	--	5°C above receiving water body
pH	--	7.1	7.3	7.2	7.4	7.3	7.8	7.1	7.7	7.0	7.2	NA	NA	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.3	4.0	0.4	4.2	1.2	5.6	0.8	5.4	0.2	2.8	NA	NA		--
Ammonical Nitrogen	mg/l	21.2	19.7	25.0	20.7	11.4	10.2	13.8	2.2	17.4	16.2	NA	NA	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	3.1	1.2	3.6	1.9	1.9	1.1	3.1	0.7	3.4	2.5	NA	NA	1.0 as T.P	5.0
T.S.S	mg/l	228	42	278	86	153	19	316	14	354	136	NA	NA	--	100
Fecal Coliform	Col/100 ml	-	700	-	750	-	550	--	550	--	3300	-	NA	Desirable =100 Permissible =230	-

Note: - Samples for BOD Estimation under incubation.