

J&K LAKES AND WATERWAYS DEVELOPMENT AUTHORITY.

Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 13-01-2021.

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	7.5		6.8		5.2		7.5		7.2		8.5		--	--
W. Temp.	°C	7.9	8.0	7.7	7.2	6.7	6.9	6.2	6.0	6.1	5.2	7.5	7.6	--	5°C above receiving water body
pH	--	7.1	7.6	7.3	7.8	7.1	7.6	7.0	7.8	7.1	7.9	7.1	7.7	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.8	5.8	1.0	5.2	1.2	5.6	0.8	7.4	0.4	3.2	0.8	5.6		--
Ammonical Nitrogen	mg/l	12.9	11.1	12.5	11.4	9.4	8.1	15.1	3.6	12.8	12.0	11.2	4.3	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	1.7	0.6	1.6	0.8	2.2	0.7	1.8	0.6	2.0	1.8	1.9	0.6	1.0 as T.P	5.0
T.S.S	mg/l	287	41	330	51	310	30	275	28	378	114	298	27	20	100
Fecal Coliform	Col/100 ml	--	350	--	400	--	300	--	350	--	1900	--	350	Desirable =100 Permissible =230	-

Note: - Samples for BOD Estimation under incubation.

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Physico-chemical analysis report of different STPs as on 14-01-2021.

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	4.5		4.2		5.0		4.3		4.4		6.1		--	--
W. Temp.	°C	8.2	8.3	7.6	7.3	8.9	8.8	7.0	6.5	6.7	5.8	9.0	7.4	--	5°C above receiving water body
pH	--	7.3	7.5	7.3	7.6	7.2	7.5	7.2	7.7	7.1	7.6	7.3	7.6	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.8	6.0	0.4	5.8	1.2	4.8	0.8	7.4	0.6	3.8	0.6	6.4		--
Ammonical Nitrogen	mg/l	11.5	10.1	12.2	11.0	9.0	7.2	12.2	3.1	12.5	8.0	10.1	4.1	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	1.3	0.5	1.7	0.8	1.4	0.6	1.9	0.4	1.9	1.4	1.6	0.4	1.0 as T.P	5.0
T.S.S	mg/l	255	38	305	49	299	28	265	29	345	124	235	26	20	100
Fecal Coliform	Col/100 ml	--	350	--	375	--	350	--	350	--	2000	--	350	Desirable =100 Permissible =230	-

Note: - Samples for BOD Estimation under incubation.