

J&K LAKES AND WATERWAYS DEVELOPMENT AUTHORITY.

Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 24-12-2020.

Parameters	Units	Hazratbal		Habak		Laam		Brarinambal LDA		Brarinambal UEED		Nallah Amir Khan		Norms as per NGT
		Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final	
Air Temperature	°C	10.3		10.1		8.6		8.7		8.7		10.2		--
W. Temp.	°C	10.1	9.9	9.0	9.6	10.6	10.8	8.6	8.6	8.8	7.8	11.2	9.7	--
pH	--	7.1	7.9	7.3	7.7	7.2	7.8	7.4	7.8	7.2	7.8	7.4	7.9	5.5-9.0
Dissolved Oxygen	mg/l	1.2	4.4	1.2	4.8	1.6	4.8	1.2	6.0	0.8	2.2	1.2	5.2	
Nitrate Nitrogen	mg/l	0.3	0.5	0.5	0.8	0.4	0.5	0.3	0.8	0.6	0.9	0.4	0.5	TOTAL NITROGEN :10
Orthophosphate	mg/l	2.1	0.7	2.5	0.9	1.8	0.5	2.3	0.4	2.7	1.3	2.2	0.6	1.0 as T.P
T.S.S	mg/l	209	51	220	42	255	47	229	32	396	175	238	27	20
Fecal Coliform	Col/100 ml	--	450	--	500	--	450	--	400	--	2200	--	450	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
		Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final	
Air Temperature	°C	8.5		8.5		8.6		8.2		8.2		8.0		--
W. Temp.	°C	10.2	10.4	10.1	10.2	9.5	9.7	10.5	10.6	10.4	10.5	9.7	9.8	--
pH	--	7.2	7.9	7.1	7.4	7.2	7.8	7.4	7.9	7.3	7.9	7.2	7.8	5.5-9.0
Dissolved Oxygen	mg/l	0.4	2.8	0.8	2.8	1.2	3.6	0.8	4.2	0.8	2.8	0.8	5.2	
Nitrate Nitrogen	mg/l	0.5	0.6	0.5	0.7	0.5	0.6	0.4	0.7	0.9	1.1	0.4	0.6	TOTAL NITROGEN : 10
Orthophosphate	mg/l	1.7	0.6	2.4	0.8	2.1	0.5	2.3	0.6	2.3	1.3	2.1	0.5	1.0 as T.P
T.S.S	mg/l	310	45	270	41	340	37	329	25	390	155	330	28	20
Fecal Coliform	Col/100 ml	--	500	--	550	--	450	--	450	--	2500	--	400	Desirable =100 Permissible =230

Note: - Samples for BOD Estimation under incubation.