

## J&K LAKES AND WATERWAYS DEVELOPMENT AUTHORITY.

Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 15-02-2021.

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	12.6		12.6		12.8		12.2		12.1		12.4		--	--
W. Temp.	°C	10.9	10.7	9.2	9.2	9.7	9.5	8.4	8.7	9.8	8.9	10.9	9.9	--	5°C above receiving water body
pH	--	7.2	7.4	7.3	7.5	7.4	7.6	7.1	7.5	7.0	7.3	7.2	7.6	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.4	3.4	0.8	5.6	1.2	5.6	0.4	5.8	0.1	4.0	0.8	5.6		--
Ammonical Nitrogen	mg/l	11.50	9.43	18.44	17.1	10.99	8.41	15.0	2.2	16.1	13.1	16.9	2.3	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.6	1.1	2.8	1.3	2.0	1.09	3.1	0.8	3.4	2.2	2.7	0.8	1.0 as T.P	5.0
T.S.S	mg/l	266	25	244	32	176	43	241	13	367	156	170	22	--	100
Fecal Coliform	Col/100 ml	-	600	-	600	-	550	--	500	--	3100	-	550	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		
<b>Air Temperature</b>	°C	13.0		13.1		12.8		12.7		12.6		12.8		--	--
<b>W. Temp.</b>	°C	10.7	10.6	9.7	9.3	9.9	9.4	9.3	9.1	9.8	9.3	10.7	10.5	--	5°C above receiving water body
<b>pH</b>	--	7.1	7.3	7.2	7.4	7.3	7.6	7.2	7.7	7.1	7.3	7.2	7.4	5.5-9.0	5.5-9.0
<b>Dissolved Oxygen</b>	mg/l	0.6	4.0	0.6	4.8	1.0	5.6	0.8	5.2	0.2	2.8	1.0	5.8		--
<b>Ammonical Nitrogen</b>	mg/l	15.2	14.8	23.4	20.2	13.3	12.1	16.0	1.9	17.5	13.3	19.2	2.0	TOTAL NITROGEN : 10	50
<b>Total Phosphorous</b>	mg/l	2.8	1.2	3.5	1.7	2.1	1.2	3.2	0.8	3.5	2.6	2.9	0.7	1.0 as T.P	5.0
<b>T.S.S</b>	mg/l	258	32	265	62	162	40	264	21	310	165	285	25	--	100
<b>Fecal Coliform</b>	Col/100 ml	-	650	-	600	-	550	--	550	--	3300	-	500	Desirable =100 Permissible =230	-

Note: - Samples for BOD Estimation under incubation.

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**Physico-chemical analysis report of different STPs as on 17-02-2021.**

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		
<b>Air Temperature</b>	°C	13.1		NA		12.9		13.0		13.0		13.3		--	--
<b>W. Temp.</b>	°C	10.9	10.8	NA	NA	9.6	9.7	9.7	9.8	9.8	9.3	11.2	10.1	--	5°C above receiving water body
<b>pH</b>	--	7.2	7.4	NA	NA	7.4	7.7	7.1	7.5	7.2	7.3	7.3	7.5	5.5-9.0	5.5-9.0
<b>Dissolved Oxygen</b>	mg/l	0.2	4.0	NA	NA	1.3	5.6	0.8	7.2	0.6	4.2	1.0	6.4		--
<b>Ammonical Nitrogen</b>	mg/l	15.6	15.5	NA	NA	12.7	11.4	15.4	1.7	15.7	12.9	18.6	2.1	TOTAL NITROGEN : 10	50
<b>Total Phosphorous</b>	mg/l	2.9	1.1	NA	NA	2.0	0.9	3.0	0.7	3.4	2.4	3.2	0.8	1.0 as T.P	5.0
<b>T.S.S</b>	mg/l	332	36	NA	NA	157	28	283	23	238	160	302	15	--	100
<b>Fecal Coliform</b>	Col/100 ml	-	600	-	NA	-	550	--	500	--	3200	-	550	Desirable =100 Permissible =230	-

Note: - Samples for BOD Estimation under incubation