

J&K LAKES AND WATERWAYS DEVELOPMENT AUTHORITY.

Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 22-02-2021.

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	9.8		10.1		9.7		7.6		7.6		9.6		--	--
W. Temp.	°C	10.8	11.0	10.1	10.0	10.5	10.4	9.8	9.7	10.5	9.5	11.3	10.6	--	5°C above receiving water body
pH	--	7.2	7.4	7.2	7.5	7.3	7.7	7.0	7.6	7.1	7.3	7.2	7.6	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.2	3.6	0.4	4.4	1.0	4.8	0.6	6.8	0.0	2.0	0.4	4.0		--
Ammonical Nitrogen	mg/l	18.8	16.7	15.8	14.4	9.26	8.13	17.4	6.9	13.1	11.7	11.9	2.05	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	3.4	1.3	3.7	1.5	1.9	0.9	3.0	0.8	3.5	2.1	2.9	0.9	1.0 as T.P	5.0
T.S.S	mg/l	284	36	278	50	155	27	225	18	322	232	199	16	--	100
Fecal Coliform	Col/100 ml	-	850	-	950	-	650	--	600	--	3500	-	600	Desirable =100 Permissible =230	-

Note: - Samples for BOD Estimation under incubation.

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		Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final		
Air Temperature	°C	14.9		15.7		15.7		13.8		13.9		15.1		--	--
W. Temp.	°C	11.6	11.9	10.6	10.5	10.5	10.3	10.6	10.2	11.1	10.8	11.1	11.2	--	5°C above receiving water body
pH	--	7.2	7.3	7.2	7.4	7.4	7.7	7.0	7.6	7.1	7.4	7.3	7.6	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.1	4.4	0.4	4.0	2.4	4.4	0.8	6.6	0.8	3.2	0.8	5.2		--
Ammonical Nitrogen	mg/l	17.1	15.5	16.3	14.9	10.2	9.5	19.2	4.3	18.1	17.4	12.0	2.9	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	3.2	1.1	3.5	1.3	1.8	0.9	3.1	0.8	3.6	2.8	2.7	0.8	1.0 as T.P	5.0
T.S.S	mg/l	243	52	388	116	198	28	256	18	294	218	189	19	--	100
Fecal Coliform	Col/100 ml	-	900	-	950	-	600	--	550	--	3700	-	650	Desirable =100 Permissible =230	-

Note: - Samples for BOD Estimation under incubation.

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		Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final		
Air Temperature	°C	15.8		15.8		16.0		13.9		13.9		14.9		--	--
W. Temp.	°C	12.2	12.3	10.8	10.8	11.2	11.2	10.9	11.0	11.3	11.2	11.8	11.9	--	5°C above receiving water body
pH	--	7.3	7.4	7.1	7.4	7.4	7.6	7.2	7.7	7.0	7.3	7.3	7.8	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.4	4.4	0.8	5.2	1.2	5.6	0.8	6.2	0.2	3.2	0.4	5.6		--
Ammonical Nitrogen	mg/l	17.5	16.8	16.3	14.9	10.2	9.5	19.2	4.3	18.1	17.4	12.0	2.9	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	3.2	1.1	3.5	1.3	1.8	0.9	3.1	0.8	3.6	2.8	2.7	0.8	1.0 as T.P	5.0
T.S.S	mg/l	259	42	263	48	198	29	247	21	336	185	189	19	--	100
Fecal Coliform	Col/100 ml	-	900	-	950	-	600	--	550	--	3700	-	650	Desirable =100 Permissible =230	-

Note: - Samples for BOD Estimation under incubation.