

J&K LAKES AND WATERWAYS DEVELOPMENT AUTHORITY.

Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 28-12-2020.

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	15.2		15.2		15.7		14.2		14.0		14.1		--
W. Temp.	°C	11.2	10.0	9.0	8.9	10.4	9.8	11.0	9.8	12.0	10.5	11.0	9.3	--
pH	--	7.2	7.8	7.2	7.5	7.1	7.6	7.3	7.6	7.2	7.5	7.1	7.7	5.5-9.0
Dissolved Oxygen	mg/l	0.4	6.8	0.6	4.0	0.8	4.2	0.4	6.2	0.4	2.0	0.2	5.2	
Nitrate Nitrogen	mg/l	0.4	0.5	0.6	0.7	0.4	0.7	0.7	0.8	0.8	1.2	0.5	0.6	TOTAL NITROGEN : 10
Orthophosphate	mg/l	1.6	0.5	2.2	0.7	1.8	0.5	2.2	0.4	2.0	1.5	1.9	0.5	1.0 as T.P
T.S.S	mg/l	339	40	370	31	332	35	314	32	358	114	350	27	20
Fecal Coliform	Col/100 ml	--	450	--	500	--	400	--	400	--	2000	--	400	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	7.2		7.2		7.0		9.0		9.0		7.8		--
W. Temp.	°C	10.0	9.7	9.0	8.8	10.2	10.4	8.3	8.4	8.3	8.3	10.2	8.3	--
pH	--	7.2	7.5	7.2	7.5	7.1	7.4	7.2	7.5	7.2	7.5	7.2	7.5	5.5-9.0
Dissolved Oxygen	mg/l	0.4	4.2	0.2	4.2	0.4	4.0	0.2	6.0	0.2	2.4	0.2	5.2	
Nitrate Nitrogen	mg/l	0.3	0.4	0.4	0.5	0.5	0.7	0.6	0.8	0.7	1.0	0.4	0.7	TOTAL NITROGEN : 10
Orthophosphate	mg/l	1.7	0.6	1.9	0.8	1.7	0.8	2.2	0.6	2.0	1.5	1.9	0.7	1.0 as T.P
T.S.S	mg/l	342	35	345	36	310	31	289	28	365	120	327	26	20
Fecal Coliform	Col/100 ml	--	400	--	450	--	400	--	450	--	2100	--	400	Desirable =100 Permissible =230

Note: - Samples for BOD Estimation under incubation.

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Physico-chemical analysis report of different STPs as on 30-12-2020.

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	11.2		11.1		11.5		10.0		10.0		11.0		--
W. Temp.	°C	11.0	10.2	10.1	9.5	9.0	8.7	9.0	8.7	9.0	8.5	10.0	9.2	--
pH	--	7.2	7.5	7.2	7.6	7.0	7.5	7.2	7.6	7.1	7.5	7.0	7.6	5.5-9.0
Dissolved Oxygen	mg/l	0.4	4.8	0.4	4.4	0.2	4.2	0.4	4.8	0.2	2.8	0.2	5.0	
Nitrate Nitrogen	mg/l	0.3	0.5	0.3	0.4	0.6	0.7	0.5	0.7	0.6	1.0	0.3	0.6	TOTAL NITROGEN : 10
Orthophosphate	mg/l	1.9	0.7	2.5	0.8	1.5	0.8	2.3	0.5	2.5	2.0	2.1	0.6	1.0 as T.P
T.S.S	mg/l	321	34	350	35	360	32	265	29	350	104	381	30	20
Fecal Coliform	Col/100 ml	--	450	--	450	--	400	--	500	--	2300	--	450	Desirable =100 Permissible =230

Note: - Samples for BOD Estimation under incubation.