

J&K LAKES AND WATERWAYS DEVELOPMENT AUTHORITY.

Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 25-01-2021.

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	3.6		3.2		4.3		4.8		4.8		NA		--	--
W. Temp.	°C	7.9	8.9	6.3	6.5	7.2	7.3	6.0	6.3	6.1	6.5	NA	NA	--	5°C above receiving water body
pH	--	7.2	7.6	7.1	7.5	7.3	7.5	7.4	7.7	7.2	7.4	NA	NA	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.8	5.0	1.2	5.4	3.2		0.4	6.8	0.4	3.2	NA	NA		--
Ammonical Nitrogen	mg/l	14.3	13.8	16.7	15.5	12.2	10.5	16.0	2.2	18.1	16.7	NA	NA	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.1	0.9	2.3	1.3	1.9	0.8	2.1	0.8	2.6	2.3	NA	NA	1.0 as T.P	5.0
T.S.S	mg/l	251	47	243	49	137	32	265	34	247	124	NA	NA	20	100
Fecal Coliform	Col/100 ml	-	400	-	450	-	400	--	450	--	2200	-	NA	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	2.2		2.1		2.5		2.8		2.8		2.5		--	--
W. Temp.	°C	8.1	8.0	6.8	7.1	7.6	7.5	7.1	6.8	6.0	6.2	6.3	6.5	--	5°C above receiving water body
pH	--	7.4	7.6	7.3	7.7	7.3	7.6	7.5	7.7	7.3	7.5	7.5	7.8	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.8	5.2	0.6	5.6	0.5	5.2	0.8	7.0	0.6	3.8	1.2	6.2		--
Ammonical Nitrogen	mg/l	14.5	13.5	16.0	15.5	12.5	10.0	17.2	2.5	18.7	16.9	11.1	2.3	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.2	0.8	2.4	1.2	1.8	0.7	2.2	0.9	2.4	2.0	3.2	0.9	1.0 as T.P	5.0
T.S.S	mg/l	216	37	202	35	217	47	246	32	271	131	189	28	20	100
Fecal Coliform	Col/100 ml	-	410	-	480	-	430	--	490	--	2300	-	400	Desirable =100 Permissible =230	-

Note: - Samples for BOD Estimation under incubation.

J&K LAKES AND WATERWAYS DEVELOPMENT AUTHORITY.

Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 30-01-2021.

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	1.3		1.8		1.4		1.2		1.3		1.2		--	--
W. Temp.	°C	6.7	6.8	5.6	5.8	6.8	6.8	5.3	4.3	5.5	5.0	5.6	5.8	--	5°C above receiving water body
pH	--	7.3	7.5	7.2	7.6	7.2	7.7	7.4	7.6	7.4	7.5	7.4	7.7	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.6	5.8	0.8	5.8	0.6	5.6	0.6	6.8	0.2	3.6	1.4	6.4		--
Ammonical Nitrogen	mg/l	15.5	13.9	16.7	15.8	12.7	10.1	17.9	2.3	18.8	17.0	12.5	2.1	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.5	0.9	2.7	1.3	1.9	0.8	2.4	0.8	2.9	2.2	3.0	1.0	1.0 as T.P	5.0
T.S.S	mg/l	221	34	243	36	210	41	255	30	265	136	197	25	20	100
Fecal Coliform	Col/100 ml	-	450	-	490	-	450	--	450	--	2400	-	450	Desirable =100 Permissible =230	-

Note: - Samples for BOD Estimation under incubation.