

J&K LAKES AND WATERWAYS DEVELOPMENT AUTHORITY.

Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 03-09-2020.

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	30.6	NA	NA	NA	30.4	32.1	29.0	31.5	29.1	31.6	31.3	31.1	--
W. Temp.	°C	21.5	NA	NA	NA	21.9	22.3	22.2	24.0	22.3	23.6	22.0	23.1	--
pH	--	7.2	NA	NA	NA	7.3	7.6	7.4	7.8	7.3	7.5	7.2	7.7	5.5-9.0
Nitrate Nitrogen	mg/l	0.5	NA	NA	NA	0.6	0.9	1.1	0.6	0.8	1.0	0.6	0.5	TOTAL NITROGEN : 10
Ammonical Nitrogen	mg/l	17.6	NA	NA	NA	12.6	10.3	18.5	8.8	14.6	11.9	27.6	27.0	
T.Phosphorous	mg/l	1.9	NA	NA	NA	1.9	1.0	3.2	1.0	3.4	2.4	3.6	1.3	1.0
T.S.S	mg/l	265	NA	NA	NA	235	120	275	110	251	220	245	130	20
BOD	mg/l	-	NA	-	NA	-	32	-	29	-	52	-	33	10
Fecal Coliform	Col/100 ml	-	NA	-	NA	-	650	-	850	-	4800	-	600	Desirable =100 Permissible =230

J&K LAKES AND WATERWAYS DEVELOPMENT AUTHORITY.

Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 05-09-2020.

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	27.7	NA	27.9	28.2	26.9	27.1	24.8	28.1	25.0	28.1	26.2	28.3	--
W. Temp.	°C	21.6	NA	22.0	22.5	20.9	21.1	22.2	23.1	21.7	22.3	21.8	22.6	--
pH	--	7.2	NA	7.2	7.6	7.3	7.7	7.4	7.8	7.2	7.4	7.3	7.6	5.5-9.0
Nitrate Nitrogen	mg/l	0.7	NA	0.6	0.7	0.5	0.6	1.2	0.8	1.3	1.4	0.6	0.5	TOTAL NITROGEN : 10
Ammonical Nitrogen	mg/l	20.7	NA	22.1	20.3	14.5	11.3	25.2	9.1	28.3	26.9	15.3	13.0	
T.Phosphorous	mg/l	2.2	NA	2.5	1.6	1.8	1.1	2.6	1.0	3.5	3.1	1.7	1.3	1.0
T.S.S	mg/l	248	NA	286	125	244	132	281	106	355	235	240	112	20
BOD	mg/l	-	NA	-	37	-	32	-	25	-	59	-	32	10
Fecal Coliform	Col/100 ml	-	NA	-	900	-	650	-	900	-	4500	-	800	Desirable =100 Permissible =230

J&K LAKES AND WATERWAYS DEVELOPMENT AUTHORITY.

Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 08-09-2020.

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	26.7	NA	26.6	29.2	25.8	29.0	NA	NA	27.3	29.3	27.0	29.2	--
W. Temp.	°C	21.2	NA	21.2	21.4	20.7	21.1	NA	NA	21.8	22.3	21.8	22.3	--
pH	--	7.3	NA	7.4	7.6	7.5	7.7	NA	NA	7.2	7.7	7.4	7.8	5.5-9.0
Nitrate Nitrogen	mg/l	^{0.6}	NA	0.6	0.7	0.4	0.5	NA	NA	1.2	1.5	0.6	0.5	TOTAL NITROGEN : 10
Ammonical Nitrogen	mg/l	25.3	NA	27.2	26.0	14.2	12.3	NA	NA	36.1	28.3	13.6	11.8	
T.Phosphorous	mg/l	2.3	NA	2.5	1.6	1.4	0.9	NA	NA	3.5	2.8	1.5	0.8	1.0
T.S.S	mg/l	255	NA	276	127	254	126	NA	NA	346	230	238	102	20
BOD	mg/l	-	NA	-	35	-	31	NA	NA	-	53	-	30	10
Fecal Coliform	Col/100 ml	-	NA	-	850	-	700	NA	NA	-	5000	-	500	Desirable =100 Permissible =230

J&K LAKES AND WATERWAYS DEVELOPMENT AUTHORITY.

Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 10-09-2020.

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	28.2	27.6	29.3	29.8	28.5	29.5	30.4	30.7	30.6	30.7	30.0	30.4	--
W. Temp.	°C	21.6	22.6	21.3	21.5	20.6	20.8	22.0	22.3	21.3	21.9	21.6	22.1	--
pH	--	7.3	7.5	7.3	7.5	7.5	7.6	7.3	7.5	7.1	7.6	7.3	7.8	5.5-9.0
Nitrate Nitrogen	mg/l	0.5	0.6	0.5	0.7	0.4	0.5	0.9	0.7	1.3	1.4	0.6	0.5	TOTAL NITROGEN : 10
Ortho-Phosphate	mg/l	2.0	0.8	2.6	1.0	1.5	0.8	2.4	1.1	2.9	2.4	3.0	1.5	1.0
T.S.S	mg/l	241	154	270	135	265	142	280	85	350	250	210	96	20
BOD	mg/l	-	38	-	34	-	31	-	30	-	57	-	31	10
Fecal Coliform	Col/100 ml	-	700	-	800	-	600	-	700	-	4600	-	550	Desirable =100 Permissible =230

J&K LAKES AND WATERWAYS DEVELOPMENT AUTHORITY.

Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 15-09-2020.

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	29.8	31.0	30.0	30.8	30.0	30.8	29.3	30.9	29.4	30.9	28.8	31.2	--
W. Temp.	°C	20.2	21.0	21.3	21.9	21.0	22.5	21.1	22.8	22.3	21.8	21.9	22.5	--
pH	--	7.4	7.8	7.6	7.9	7.8	8.0	7.5	8.1	7.6	7.9	7.6	8.0	5.5-9.0
Nitrate Nitrogen	mg/l	0.5	0.9	0.6	0.8	0.5	0.6	1.5	1.1	1.6	1.7	0.7	0.5	TOTAL NITROGEN : 10
Ortho-Phosphate	mg/l	2.4	0.8	3.6	1.3	1.6	0.8	2.6	0.5	2.9	2.4	3.7	1.0	1.0
T.S.S	mg/l	250	112	259	120	255	110	275	70	342	189	206	65	20
BOD	mg/l	-	39	-	37	-	35	-	25	-	53	-	27	10
Fecal Coliform	Col/100 ml	-	800	-	700	-	500	-	750	-	4500	-	600	Desirable =100 Permissible =230

J&K LAKES AND WATERWAYS DEVELOPMENT AUTHORITY.

Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 17-09-2020.

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	28.6	29.1	29.2	29.5	29.5	30.6	28.1	30.6	28.3	30.7	30.0	30.9	--
W. Temp.	°C	21.8	23.2	21.4	21.9	21.2	21.9	21.9	22.7	20.9	22.6	21.7	23.3	--
pH	--	7.2	7.6	7.3	7.8	7.5	7.8	7.4	7.9	7.2	7.5	7.4	7.9	5.5-9.0
Nitrate Nitrogen	mg/l	0.6	0.8	0.7	0.9	0.5	0.6	1.5	0.9	1.1	1.5	0.8	0.6	TOTAL NITROGEN : 10
Ortho-Phosphate	mg/l	1.8	0.8	3.4	1.0	2.0	0.6	3.6	0.8	3.2	2.1	3.5	0.8	1.0
T.S.S	mg/l	310	124	350	110	200	105	250	51	325	200	280	55	20
BOD	mg/l	-	48	-	48	-	23	-	17	-	42	-	25	10
Fecal Coliform	Col/100 ml	-	650	-	700	-	500	-	600	-	4000	-	500	Desirable =100 Permissible =230