

J&K LAKES AND WATERWAYS DEVELOPMENT AUTHORITY.

Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 26-09-2020.

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	27.4	26.9	27.5	25.8	26.8	26.1	27.1	NA	26.2	26.8	27.2	--
W. Temp.	°C	20.9	21.1	20.2	20.6	19.2	20.5	21.0	21.4	NA	20.6	21.5	21.1	--
pH	--	7.3	7.7	7.2	7.6	7.3	7.6	7.4	8.0	NA	7.4	7.3	7.8	5.5-9.0
Nitrate Nitrogen	mg/l	0.6	0.8	0.8	1.0	0.5	0.6	1.1	0.8	NA	1.4	0.5	0.6	TOTAL NITROGEN : 10
Ammonical Nitrogen	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	
Ortho-Phosphate	mg/l	2.4	1.5	3.5	1.9	1.7	1.2	3.3	0.8	NA	2.2	3.5	0.5	1.0
T.S.S	mg/l	275	51	787	61	157	78	205	25	NA	206	184	16	20
BOD	mg/l	-	39	-	41	-	32	-	30	-	56	-	29	10
Fecal Coliform	Col/100 ml	-	900	-	850	-	600	-	700	-	4000	-	650	Desirable =100 Permissible =230

NA: - Plant closed when the team arrived for sampling.

STPs Hazratbal, Habak and Laam are under refurbishment for which water is lifted from the sump directly, and thus FABs are being alternatively used.

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Physico-chemical analysis report of different STPs as on 29-09-2020.

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	25.5	NA	NA	28.0	24.9	28.1	22.2	28.7	NA	NA	26.3	28.6	--
W. Temp.	°C	19.6	NA	NA	19.5	20.5	20.6	20.6	21.5	NA	NA	21.6	21.2	--
pH	--	7.2	NA	NA	7.5	7.3	7.5	7.3	7.6	NA	NA	7.3	7.6	5.5-9.0
Nitrate Nitrogen	mg/l	0.7	NA	NA	0.8	0.5	0.7	1.2	0.8	NA	NA	0.7	0.5	TOTAL NITROGEN : 10
Ammonical Nitrogen	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	
Ortho-Phosphate	mg/l	2.2	NA	NA	1.3	2.3	1.7	2.6	0.7	NA	NA	3.3	0.5	1.0
T.S.S	mg/l	282	NA	NA	85	159	120	255	33	NA	NA	246	41	20
BOD	mg/l	-	41	-	40	-	35	-	28	-	NA	-	27	10
Fecal Coliform	Col/100 ml	-	1100	-	800	-	750	-	650	-	NA	-	600	Desirable =100 Permissible =230

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Physico-chemical analysis report of different STPs as on 03-10-2020.

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	26.9	27.2	27.0	27.5	27.0	27.4	NA	NA	NA	NA	25.2	26.9	--
W. Temp.	°C	19.3	19.6	19.2	19.3	20.2	20.5	NA	NA	NA	NA	20.1	20.3	--
pH	--	7.3	7.6	7.2	7.6	7.4	7.7	NA	NA	NA	NA	7.3	7.6	5.5-9.0
Nitrate Nitrogen	mg/l	0.7	0.8	1.1	1.2	0.6	0.7	NA	NA	NA	NA	0.7	0.6	TOTAL NITROGEN : 10
Ammonical Nitrogen	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	
Ortho-Phosphate	mg/l	2.5	1.3	2.7	1.3	2.7	1.7	NA	NA	NA	NA	3.6	0.6	1.0
T.S.S	mg/l	207	85	195	65	185	66	NA	NA	NA	NA	158	25	20
BOD	mg/l	-	42	-	38	-	31	-	NA	-	NA	-	27	10
Fecal Coliform	Col/100 ml	-	1000	-	800	-	700	-	NA	-	NA	-	650	Desirable =100 Permissible =230

NA: - Plant closed when the team arrived for sampling.

STPs Hazratbal, Habak and Laam are under refurbishment for which water is lifted from the sump directly, and thus FABs are being alternatively used.

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Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 06-10-2020.

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	25.5	26.3	25.6	26.4	25.9	26.3	24.6	26.0	NA	NA	24.3	26.3	--
W. Temp.	°C	19.2	19.5	18.6	19.2	19.8	19.9	19.8	20.2	NA	NA	20.0	20.3	--
pH	--	7.4	8.0	7.6	8.1	7.6	7.9	7.7	8.1	NA	NA	7.5	7.9	5.5-9.0
Nitrate Nitrogen	mg/l	0.8	0.9	0.7	0.9	0.5	0.6	1.2	1.0	NA	NA	0.7	0.5	TOTAL NITROGEN : 10
Ammonical Nitrogen	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	
Ortho-Phosphate	mg/l	1.7	1.1	2.3	1.8	2.1	0.9	2.4	0.6	NA	NA	2.9	0.8	1.0
T.S.S	mg/l	280	75	202	67	290	45	176	35	NA	NA	185	25	20
BOD	mg/l	-	45	-	41	-	34	-	29	-	NA	-	27	10
Fecal Coliform	Col/100 ml	-	900	-	800	-	750	-	650	-	NA	-	600	Desirable =100 Permissible =230

NA: - Plant closed when the team arrived for sampling.

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