

J&K LAKES AND WATERWAYS DEVELOPMENT AUTHORITY.

Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 01-03-2021.

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	16.3		14.3		14.5		14.9		14.9		15.3		--	--
W. Temp.	°C	11.5	12.5	10.5	10.2	10.2	11.1	9.9	10.3	10.3	9.6	11.8	11.2	--	5°C above receiving water body
pH	--	7.1	7.5	7.0	7.2	7.2	7.5	7.0	7.6	7.1	7.4	7.5	7.7	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.6	4.0	0.4	4.4	0.8	5.6	0.4	6.0	0.2	3.0	0.8	5.4		--
Ammonical Nitrogen	mg/l	17.8	14.2	24.4	14.2	17.4	10.1	14.4	2.0	19.0	17.8	15.3	2.5	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.7	1.6	3.4	1.3	2.8	0.9	2.7	0.5	3.1	2.0	3.8	0.8	1.0 as T.P	5.0
T.S.S	mg/l	323	30	360	38	568	20	285	22	328	176	430	24	--	100

Note: - Samples for BOD Estimation under incubation

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Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 02-03-2021.

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	16.4		16.5		16.6		15.7		15.7		17.1		--	--
W. Temp.	°C	11.6	11.8	10.8	11.0	10.9	11.6	11.2	11.6	11.6	11.6	12.1	11.6	--	5°C above receiving water body
pH	--	7.0	7.4	7.2	7.3	7.1	7.6	7.1	7.7	7.0	7.2	7.3	7.6	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.3	4.0	0.6	4.4	0.7	4.8	0.4	5.8	0.2	2.8	0.6	4.8		--
Ammonical Nitrogen	mg/l	16.5	13.3	21.5	20.8	13.1	11.1	16.7	1.9	16.6	14.2	17.7	2.3	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.5	1.1	2.7	1.2	1.8	0.9	2.9	0.7	3.2	2.6	2.4	0.8	1.0 as T.P	5.0
T.S.S	mg/l	210	42	268	120	263	31	274	21	356	160	426	25	--	100

Note: - Samples for BOD Estimation under incubation

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Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 03-03-2021.

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	14.5		14.8		15.1		14.30		14.0		14.6		--	--
W. Temp.	°C	12.1	12.6	11.2	11.4	12.2	11.8	11.2	11.6	11.1	11.3	11.6	12.3	--	5°C above receiving water body
pH	--	7.0	7.3	7.1	7.2	7.2	7.6	7.0	7.8	7.2	7.3	7.2	7.5	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	1.2	4.0	1.0	4.8	1.8	5.2	1.2	6.2	0.0	1.8	0.8	4.4		--
Ammonical Nitrogen	mg/l	22.2	20.1	24.0	20.2	15.6	13.6	21.0	2.2	25.1	15.5	21.3	2.6	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.8	1.7	2.7	1.3	1.5	0.8	2.7	0.6	3.5	2.5	2.5	0.7	1.0 as T.P	5.0
T.S.S	mg/l	397	36	294	49	219	34	241	20	405	217	288	23	--	100

Note: - Samples for BOD Estimation under incubation

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Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 05-03-2021.

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	16.2		16.3		16.4		16.1		16.0		16.7		--	--
W. Temp.	°C	12.9	13.4	11.8	11.9	12.0	12.2	12.2	12.0	12.5	12.6	13.2	12.6	--	5°C above receiving water body
pH	--	7.1	7.4	7.0	7.3	7.3	7.7	7.1	7.7	7.2	7.4	7.3	7.6	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	1.2	3.2	1.2	4.4	1.6	4.8	1.2	5.4	0.4	2.0	0.8	4.0		--
Ammonical Nitrogen	mg/l	17.0	10.6	23.1	17.6	15.8	11.2	16.1	2.0	16.2	15.2	18.6	1.9	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.9	1.1	3.5	1.8	1.7	1.0	2.8	0.7	3.2	2.2	2.7	0.7	1.0 as T.P	5.0
T.S.S	mg/l	370	42	360	46	270	30	380	35	372	170	401	21	--	100

Note: - Samples for BOD Estimation under incubation

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Physico-chemical analysis report of different STPs as on 06-03-2021.

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	15.0		15.5		15.5		15.0		15.5		15.0		--	--
W. Temp.	°C	13.5	13.3	13.8	13.0	13.7	13.0	11.9	12.9	12.1	11.8	12.8	11.9	--	5°C above receiving water body
pH	--	7.2	7.4	7.1	7.4	7.4	7.6	7.2	7.8	7.2	7.3	7.4	7.67	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.6	3.2	0.4	4.4	2.0	4.4	0.8	5.0	0.8	3.6	0.4	4.0		--
Ammonical Nitrogen	mg/l	17.4	12.6	27.6	22.6	13.5	11.7	19.0	2.0	15.9	14.7	18.7	2.3	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	3.0	1.5	3.3	1.6	1.8	1.0	2.9	0.7	3.2	2.7	2.7	0.6	1.0 as T.P	5.0
T.S.S	mg/l	601	37	648	52	210	36	216	19	361	224	266	20	--	100

Note: - Samples for BOD Estimation under incubation

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Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 08-03-2021.

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	7.3		6.3		6.1		6.4		6.3		7.7		--	--
W. Temp.	°C	9.8	11.2	9.6	10.2	9.8	10.8	9.7	11.1	9.2	10.6	10.5	10.6	--	5°C above receiving water body
pH	--	7.1	7.3	7.1	7.3	7.3	7.5	7.0	7.6	7.1	7.4	7.3	7.6	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.8	5.6	1.0	4.4	2.2	6.4	1.2	5.6	0.8	5.6	1.0	4.4		--
Ammonical Nitrogen	mg/l	17.0	13.0	20.7	17.7	12.5	11.1	15.4	1.7	15.4	12.1	18.7	2.0	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.9	1.1	3.1	1.5	1.6	0.9	3.0	0.6	3.1	2.5	3.2	0.5	1.0 as T.P	5.0
T.S.S	mg/l	240	35	245	47	175	31	350	17	235	200	340	23	--	100

Note: - Samples for BOD Estimation under incubation
Raining heavily throughout the day.

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Physico-chemical analysis report of different STPs as on 09-03-2021.

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	12.2		13.9		13.2		15.9		16.2		14.2		--	--
W. Temp.	°C	12.0	11.8	12.7	11.6	11.1	11.7	11.5	12.3	11.7	11.2	11.8	12.1	--	5°C above receiving water body
pH	--	7.3	7.5	7.2	7.5	7.4	7.7	7.2	7.9	7.2	7.4	7.4	7.7	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.4	4.8	0.8	5.6	2.2	4.0	0.4	5.2	1.2	2.8	0.4	4.0		--
Ammonical Nitrogen	mg/l	15.6	12.0	19.8	17.3	11.4	10.8	14.2	1.9	14.3	11.7	18.0	2.0	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.7	1.1	2.9	1.4	1.7	0.9	3.0	0.6	3.1	2.3	3.2	0.8	1.0 as T.P	5.0
T.S.S	mg/l	225	36	236	45	217	30	291	18	253	220	255	22	--	100

Note: - Samples for BOD Estimation under incubation

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Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 10-03-2021.

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	7.2		7.4		8.6		9.4		9.4		7.1		--	--
W. Temp.	°C	11.3	11.2	10.6	10.4	11.4	10.9	12.1	12.1	11.2	11.0	11.2	10.9	--	5°C above receiving water body
pH	--	7.1	7.3	7.1	7.4	7.2	7.5	7.0	7.7	7.1	7.3	7.2	7.5	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.8	4.0	0.6	4.0	1.2	4.0	0.6	5.4	0.6	3.2	0.8	4.8		--
Ammonical Nitrogen	mg/l	21.9	18.9	27.1	23.1	26.6	13.3	26.6	2.5	17.3	17.0	18.2	1.8	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.6	1.2	3.0	1.2	2.2	1.0	3.2	0.7	3.3	2.5	2.7	0.6	1.0 as T.P	5.0
T.S.S	mg/l	319	32	264	35	561	37	421	16	252	241	276	20	--	100

Note: - Samples for BOD Estimation under incubation