

## J&K LAKES AND WATERWAYS DEVELOPMENT AUTHORITY.

Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 15-03-2021.

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	11.3		11.2		10.9		11.1		11.0		11.5		--	--
W. Temp.	°C	12.0	12.2	12.8	12.1	10.2	11.2	10.3	10.6	11.2	10.5	11.9	11.6	--	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	5.0	0.4	4.0	1.0	6.0	0.8	6.0	0.4	3.6	0.8	5.6		--
Ammonical Nitrogen	mg/l	15.0	13.2	18.7	16.8	11.7	7.1	16.4	1.6	17.5	12.5	17.0	1.5	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.2	1.1	2.8	1.0	2.4	0.8	3.0	0.6	3.0	2.1	2.8	0.7	1.0 as T.P	5.0
T.S.S	mg/l	268	36	218	37	274	27	296	21	366	214	468	22	--	100

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 16-03-2021.

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	13.6		13.9		14.1		13.1		13.0		13.3		--	--
W. Temp.	°C	12.3	12.3	11.6	11.5	11.8	11.6	11.3	10.7	11.3	11.5	12.7	11.8	--	5°C above receiving water body
pH	--	7.0	7.2	7.1	7.3	7.3	7.5	7.1	7.6	7.1	7.2	7.3	7.7	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.4	4.0	1.6	3.6	1.6	5.6	0.4	4.8	0.4	1.2	1.6	5.2		--
Ammonical Nitrogen	mg/l	20.2	17.5	23.5	22.1	13.8	10.2	17.9	2.0	24.4	14.9	21.6	4.3	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	1.8	1.0	1.9	1.2	1.6	0.8	2.0	0.4	2.4	1.8	2.3	0.6	1.0 as T.P	5.0
T.S.S	mg/l	227	46	206	45	386	30	286	18	373	184	516	23	--	100

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 17-03-2021.

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	16.6		17.0		17.5		17.1		17.0		17.7		--	--
W. Temp.	°C	12.1	12.6	12.5	11.9	12.1	12.2	11.6	11.3	11.9	11.3	12.8	12.5	--	5°C above receiving water body
pH	--	7.0	7.4	7.0	7.2	7.3	7.5	7.1	7.6	7.0	7.3	7.3	7.6	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.6	4.0	0.4	3.2	1.1	5.6	0.8	5.2	0.2	2.6	1.0	5.6		--
Ammonical Nitrogen	mg/l	25.8	23.0	23.4	22.1	13.7	12.1	18.7	2.1	20.8	19.2	26.3	2.6	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	3.3	1.4	2.8	1.8	1.9	1.1	2.8	0.8	3.1	2.7	3.3	0.9	1.0 as T.P	5.0
T.S.S	mg/l	276	28	296	32	224	26	214	20	324	237	404	24	--	100

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 18-03-2021.

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	19.7		19.5		19.2		18.5		NA		19.7		--	--
W. Temp.	°C	13.5	13.7	12.2	12.3	12.6	12.5	12.2	12.5	NA	NA	13.9	12.8	--	5°C above receiving water body
pH	--	7.0	7.3	7.1	7.3	7.3	7.6	7.0	7.6	NA	NA	7.0	7.7	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.8	4.0	0.6	4.4	1.2	6.0	0.8	6.0	NA	NA	0.8	6.0		--
Ammonical Nitrogen	mg/l	18.1	15.2	24.3	21.1	15.6	12.8	26.2	2.1	NA	NA	22.3	1.9	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.9	1.3	2.7	1.2	1.9	1.0	3.2	0.8	NA	NA	2.9	0.7	1.0 as T.P	5.0
T.S.S	mg/l	224	34	285	45	223	23	214	18	NA	NA	320	20	--	100

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 20-03-2021.

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	13.8		14.0		13.0		13.0		13.0		13.9		--	--
W. Temp.	°C	10.8	11.1	10.9	11.2	12.1	11.6	11.6	12.3	11.7	10.2	10.9	11.3	--	5°C above receiving water body
pH	--	7.1	7.3	7.0	7.3	7.3	7.6	7.0	7.7	7.1	7.4	7.4	7.7	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	1.6	3.6	0.4	2.0	1.6	4.4	0.2	5.4	0.2	2.2	0.4	4.8		--
Ammonical Nitrogen	mg/l	24.3	20.5	23.9	21.5	15.7	10.3	29.0	3.3	22.9	13.6	18.9	2.5	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	3.1	1.4	3.0	2.1	2.6	1.2	3.7	0.9	3.5	2.9	3.3	0.7	1.0 as T.P	5.0
T.S.S	mg/l	326	46	315	43	236	32	334	22	273	169	337	21	--	100

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 22-03-2021.

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	10.3		9.9		9.9		11.8		11.8		10.3		--	--
W. Temp.	°C	12.2	12.2	11.3	11.6	11.8	11.8	12.1	12.2	12.3	12.5	12.2	12.2	--	5°C above receiving water body
pH	--	7.0	7.4	7.2	7.4	7.4	7.6	7.0	7.8	7.0	7.2	7.3	7.6	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.8	4.8	0.6	3.2	1.0	4.8	0.4	4.8	0.2	3.0	0.8	5.0		--
Ammonical Nitrogen	mg/l	13.0	12.9	15.9	12.3	10.1	8.6	14.5	1.8	15.1	13.2	16.4	2.3	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.5	1.2	2.7	1.4	1.7	0.9	2.9	0.7	3.1	2.0	3.7	0.9	1.0 as T.P	5.0
T.S.S	mg/l	212	41	253	35	193	22	412	18	425	206	457	20	--	100

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 23-03-2021.

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	8.1		NA		7.9		7.6		8.1		8.0		--	--
W. Temp.	°C	11.1	10.9	NA	NA	10.9	10.6	10.6	11.2	10.1	10.4	11.5	11.9	--	5°C above receiving water body
pH	--	7.0	7.4	NA	NA	7.2	7.5	7.0	7.6	7.0	7.2	7.2	7.8	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	1.0	4.2	NA	NA	1.2	4.8	0.4	5.2	0.2	3.2	0.8	5.2		--
Ammonical Nitrogen	mg/l	15.0	14.4	NA	NA	11.2	9.1	16.3	2.5	17.2	15.7	16.8	2.3	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.4	1.3	NA	NA	1.9	1.1	2.5	0.7	2.7	1.9	2.4	0.6	1.0 as T.P	5.0
T.S.S	mg/l	245	37	NA	NA	225	30	316	21	347	158	352	20	--	100

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 24-03-2021.**

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	8.7		8.8		7.8		8.0		8.0		8.6		--	--
W. Temp.	°C	10.8	10.7	10.1	10.4	10.2	9.7	10.1	11.3	10.2	9.3	11.0	11.5	--	5°C above receiving water body
pH	--	7.1	7.4	7.2	7.6	7.1	7.7	7.2	7.8	7.2	7.4	7.4	7.9	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	1.2	4.8	0.8	3.2	0.8	4.8	0.8	5.6	0.6	3.2	1.0	5.6		--
Ammonical Nitrogen	mg/l	9.2	8.2	9.5	8.0	7.5	6.2	8.6	1.5	10.3	10.1	8.9	1.4	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	1.7	1.0	1.8	0.9	1.4	0.7	1.6	0.5	2.0	1.4	1.5	0.7	1.0 as T.P	5.0
T.S.S	mg/l	195	34	204	35	170	23	428	25	208	106	229	22	--	100

Note: - Samples for BOD Estimation under incubation.

Rained heavily during the night and was still raining throughout the day.



## J&K LAKES AND WATERWAYS DEVELOPMENT AUTHORITY.

Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 25-03-2021.

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	15.4		13.5		14.8		15.6		15.8		14.5		--	--
W. Temp.	°C	12.8	12.3	11.7	12.3	11.3	11.9	11.6	12.1	11.6	11.7	12.6	14.5	--	5°C above receiving water body
pH	--	7.0	7.3	7.0	7.4	7.2	7.5	7.0	7.6	7.1	7.3	7.3	7.7	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.8	4.6	0.6	3.4	0.8	5.0	0.8	5.8	0.4	3.6	0.8	5.4		--
Ammonical Nitrogen	mg/l	10.5	8.7	11.4	10.2	9.8	7.9	11.0	1.7	12.3	11.5	10.2	1.9	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	1.9	1.1	2.1	1.1	1.5	0.8	2.2	0.7	2.4	1.7	1.6	0.8	1.0 as T.P	5.0
T.S.S	mg/l	340	41	372	66	202	35	235	28	305	145	402	30	--	100

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 26-03-2021.

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	19.1		19.0		19.0		16.8		16.5		18.2		--	--
W. Temp.	°C	12.8	13.0	13.6	13.9	12.9	13.1	12.1	13.1	12.3	12.5	13.3	12.9	--	5°C above receiving water body
pH	--	7.1	7.3	7.0	7.3	7.3	7.5	7.1	7.6	7.0	7.4	7.3	7.6	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.8	5.2	0.4	4.0	0.8	6.4	0.6	5.6	0.0	2.0	0.8	6.0		--
Ammonical Nitrogen	mg/l	13.8	11.9	14.2	13.2	11.0	9.7	15.2	2.1	15.8	13.9	14.2	2.0	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.2	1.2	2.4	1.3	1.8	0.9	2.5	0.8	2.7	1.9	1.8	0.8	1.0 as T.P	5.0
T.S.S	mg/l	296	52	223	56	196	29	322	29	248	189	226	32	--	100

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 27-03-2021.

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	15.6		15.4		14.4		15.5		15.6		16.5		--	--
W. Temp.	°C	13.2	13.6	12.9	12.8	12.2	12.2	12.6	12.4	12.9	12.0	12.8	12.7	--	5°C above receiving water body
pH	--	7.1	7.3	7.2	7.3	7.3	7.7	7.1	7.5	7.1	7.3	7.4	7.7	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.4	4.0	0.8	4.4	1.0	5.6	0.2	5.2	0.0	2.6	0.8	4.8		--
Ammonical Nitrogen	mg/l	14.1	13.3	13.7	12.0	10.6	9.1	14.7	2.2	14.9	13.0	15.1	2.1	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.2	1.2	3.2	1.5	1.7	0.9	2.7	0.8	2.9	1.9	3.1	0.9	1.0 as T.P	5.0
T.S.S	mg/l	203	44	425	46	248	26	204	18	286	167	423	19	--	100

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 29-03-2021.

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	13.2		14.5		12.5		13.5		13.2		13.7		--	--
W. Temp.	°C	12.1	12.6	12.5	12.7	11.3	11.5	12.2	12.3	12.1	12.3	12.0	12.3	--	5°C above receiving water body
pH	--	7.2	7.4	7.1	7.3	7.3	7.6	7.0	7.8	7.0	7.2	7.3	7.5	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.2	3.6	0.8	4.8	1.2	5.2	0.8	6.2	0.0	2.2	0.8	5.4		--
Ammonical Nitrogen	mg/l	13.8	11.9	17.4	12.5	10.0	8.5	14.8	2.1	15.6	12.5	16.3	2.0	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.4	1.3	3.0	1.3	1.5	0.8	3.4	0.6	2.8	2.1	3.4	0.8	1.0 as T.P	5.0
T.S.S	mg/l	243	50	270	36	283	25	291	20	296	101	390	21	--	100

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 30-03-2021.

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	18.1		18.2		18.7		16.7		16.7		16.2		--	--
W. Temp.	°C	13.7	13.8	13.2	13.5	12.8	12.7	12.3	12.5	13.6	13.4	13.9	13.4	--	5°C above receiving water body
pH	--	7.1	7.3	7.0	7.3	7.4	7.5	7.1	7.6	7.1	7.2	7.2	7.6	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.4	4.0	0.6	3.8	1.0	5.0	0.8	6.0	0.2	2.8	0.6	5.2		--
Ammonical Nitrogen	mg/l	15.3	15.0	19.4	19.3	9.5	8.2	14.4	2.6	14.3	14.0	14.1	2.4	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.2	1.4	3.5	1.5	1.6	0.9	3.1	0.7	3.1	2.2	2.8	0.7	1.0 as T.P	5.0
T.S.S	mg/l	290	67	386	56	188	28	264	23	276	195	240	13	--	100

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 31-03-2021.

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	18.5		18.8		19.1		17.6		17.5		18.0		--	--
W. Temp.	°C	13.9	14.0	13.8	14.1	12.8	12.9	13.7	13.9	14.0	14.0	13.9	13.7	--	5°C above receiving water body
pH	--	7.0	7.4	7.0	7.4	7.2	7.6	7.0	7.7	7.0	7.3	7.4	7.8	5.5-9.0	5.5-9.0
Dissolved Oxygen	mg/l	0.6	4.2	0.4	3.6	0.8	4.8	0.6	5.8	0.4	3.0	0.4	5.0		--
Ammonical Nitrogen	mg/l	14.6	13.2	21.2	14.3	11.2	8.9	26.8	2.8	17.9	17.0	16.5	2.0	TOTAL NITROGEN : 10	50
Total Phosphorous	mg/l	2.5	1.5	3.2	1.4	1.5	0.8	3.5	0.8	3.2	2.4	2.7	0.9	1.0 as T.P	5.0
T.S.S	mg/l	247	47	250	43	170	47	367	37	350	230	255	20	--	100

Note: - Samples for BOD Estimation under incubation