

J&K LAKES AND WATERWAYS DEVELOPMENT AUTHORITY.

Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 04-02-2020.

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	5.9	8.2	Plant Closed		6.1	7.2	6.7	10.1	6.9	10.2	7.8	10.2	--
W. Temp.	°C	10.0	9.7			8.9	9.2	7.7	7.8	7.8	7.7	12.3	11.5	--
pH	--	7.0	7.2			7.0	7.2	7.2	7.5	6.9	7.1	7.2	7.4	5.5-9.0
Nitrate Nitrogen	mg/l	2.2	2.3			1.8	1.9	1.4	1.6	2.4	1.7	1.4	1.3	TOTAL NITROGEN : 10
Ammonical Nitrogen	mg/l	22.8	20.0			13.5	12.0	27.3	9.0	30.9	29.1	12.5	8.0	
T.Phosphorous	mg/l	2.0	1.2			1.2	0.9	2.8	1.2	2.9	2.4	1.3	0.7	1.0
T.S.S	mg/l	230	63			210	59	280	55	330	95	170	40	20
COD	mg/l	--	58			--	65	--	47	--	95	--	45	50
Fecal Coliform	Col/100 ml	--	650			--	500	--	600	--	2000	--	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 06-02-2020.

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	10.3	9.7	9.9	9.6	9.6	10.9	Plant Closed	Plant Closed	8.9	9.9	--	--	
W. Temp.	°C	10.4	10.2	9.3	9.7	9.3	9.6			11.3	11.3	--		
pH	--	7.1	7.2	7.1	7.3	7.3	7.4			7.2	7.3	5.5-9.0		
Nitrate Nitrogen	mg/l	2.2	2.4	2.0	2.1	1.6	1.7			1.5	1.2	TOTAL NITROGEN :10		
Ammonical Nitrogen	mg/l	21.0	18.5	24.3	21.0	13.5	11.5			12.0	10.4			
T.Phosphorous	mg/l	2.4	1.4	2.4	1.6	1.4	0.9			1.4	0.6	1.0		
T.S.S	mg/l	270	65	245	65	194	58			180	51	20		
COD	mg/l	--	56	--	65	--	62			--	50	50		
BOD		--	21	--	25	--	23			--	19	10		
Fecal Coliform	Col/100 ml	--	650	--	700	--	600			--	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 08-02-2020.

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	12.1	11.4	9.6	12.5	9.9	10.1	8.9	8.5	13.9	8.5	12.2	10.7	--
W. Temp.	°C	11.2	10.8	10.7	10.1	11.6	11.8	8.7	8.7	8.7	12.7	8.8	12.1	--
pH	--	7.0	7.2	7.0	7.2	7.2	7.4	7.2	7.5	7.0	7.2	7.2	7.4	5.5-9.0
Nitrate Nitrogen	mg/l	2.1	2.2	1.9	2.1	1.5	1.6	2.3	2.0	2.4	2.9	1.4	1.3	TOTAL NITROGEN :10
Ammonical Nitrogen	mg/l	24.0	21.2	22.5	20.1	14.3	12.5	26.8	9.2	31.4	28.6	12.0	8.5	
T.Phosphorous	mg/l	2.2	1.2	2.5	1.3	1.5	1.1	2.5	0.9	2.7	2.1	1.5	0.7	1.0
T.S.S	mg/l	241	68	215	62	185	60	265	52	324	106	174	48	20
COD	mg/l	--	53	--	62	--	52	--	43	--	97	--	48	50
Fecal Coliform	Col/100 ml	--	700	--	720	--	625	--	700	--	2100	--	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 11-02-2020.

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	7.0	6.3	6.9	5.6	7.6	5.4	8.1	8.2	8.3	9.1	7.6	6.4	--
W. Temp.	°C	10.4	10.0	9.2	9.0	9.3	9.0	8.2	8.3	8.6	8.0	11.1	11.0	--
pH	--	7.0	7.1	7.0	7.1	7.1	7.2	7.0	7.0	7.0	7.1	7.1	7.3	5.5-9.0
Nitrate Nitrogen	mg/l	2.0	2.1	1.8	1.9	1.5	1.7	2.4	2.1	2.5	2.7	1.4	1.1	TOTAL NITROGEN : 10
Ammonical Nitrogen	mg/l	22.4	20.1	23.5	21.4	12.0	10.3	25.2	9.1	28.0	27.2	11.0	9.0	
T.Phosphorous	mg/l	2.1	1.1	2.3	1.1	1.4	1.0	2.1	0.8	2.5	2.1	1.5	0.7	1.0
T.S.S	mg/l	235	71	210	65	200	60	254	48	347	100	180	40	20
COD	mg/l	--	56	--	60	--	50	--	47	--	95	--	45	50
Fecal Coliform	Col/100 ml	--	720	--	750	--	635	--	750	--	1700	--	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 13-02-2020.

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	Plant Closed		Plant Closed		9.6	10.2	9.4	9.8	11.4	11.3	7.8	11.2	--
W. Temp.	°C					9.8	9.8	8.8	9.2	9.0	8.8	11.6	12.1	--
pH	--					7.2	7.3	7.2	7.2	7.1	7.4	7.2	7.4	5.5-9.0
Nitrate Nitrogen	mg/l					1.5	1.8	2.4	2.0	2.5	2.9	1.6	1.1	TOTAL NITROGEN :10
Ammonical Nitrogen	mg/l					14.9	13.8	28.2	9.5	29.7	27.9	14.0	11.2	
T.Phosphorous	mg/l					1.8	1.0	2.7	1.2	3.1	2.7	1.5	0.6	1.0
T.S.S	mg/l					190	60	262	45	352	112	185	40	20
COD	mg/l					--	51	--	48	--	98	--	47	50
BOD						--	20	--	18	--	38	--	17	10
Fecal Coliform	Col/100 ml					--	650	--	650	--	1800	--	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 15-02-2020.

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	6.8	13.2	Plant Closed		7.7	11.6	6.7	10.3	6.6	10.3	13.1	12.1	--
W. Temp.	°C	10.4	11.2			10.0	10.3	8.9	9.5	9.0	9.9	11.7	11.3	--
pH	--	6.9	7.1			7.1	7.4	7.0	7.3	7.0	7.2	7.1	7.3	5.5-9.0
Nitrate Nitrogen	mg/l	2.0	2.1			1.6	1.8	2.3	2.0	2.4	2.9	1.5	1.0	TOTAL NITROGEN :10
Ammonical Nitrogen	mg/l	26.7	24.0			15.8	13.2	26.3	9.1	30.5	28.4	14.0	11.0	
T.Phosphorous	mg/l	2.3	1.3			1.6	1.0	2.5	1.1	2.9	2.4	1.5	0.7	1.0
T.S.S	mg/l	260	75			210	65	275	50	330	110	190	42	20
COD	mg/l	--	72			--	55	--	52	--	106	--	50	50
Fecal Coliform	Col/100 ml	--	700			--	680	--	650	--	1825	--	625	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 18-02-2020.

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	12.9	14.6	11.7	14.5	13.1	14.4	12.5	13.8	12.3	13.8	13.1	14.0	--
W. Temp.	°C	11.9	12.0	11.5	11.0	10.5	10.6	10.5	10.8	10.3	10.3	12.8	12.6	--
pH	--	7.2	7.3	7.4	7.5	7.1	7.2	7.1	7.5	6.8	7.1	7.1	7.3	5.5-9.0
Nitrate Nitrogen	mg/l	1.9	2.0	1.8	1.9	1.5	1.7	1.9	1.7	2.1	2.4	1.7	1.2	TOTAL NITROGEN :10
Ammonical Nitrogen	mg/l	25.6	23.2	27.1	24.3	15.2	13.2	28.2	10.0	31.5	30.0	12.6	9.8	
T.Phosphorous	mg/l	2.2	1.2	2.4	1.3	1.5	0.8	2.4	1.0	2.8	2.2	1.4	0.7	1.0
T.S.S	mg/l	281	78	245	75	213	67	289	54	342	120	198	45	20
COD	mg/l	--	75	--	69	--	52	--	60	--	113	--	51	50
Fecal Coliform	Col/100 ml	--	700	--	750	--	700	--	650	--	1850	--	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 20-02-2020.

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	Plant Closed		Plant Closed		6.7	7.8	5.8	8.7	6.0	8.1	6.7	11.8	--
W. Temp.	°C					10.2	10.4	9.1	8.1	9.2	9.1	12.3	9.7	--
pH	--					7.2	7.5	7.0	7.6	7.0	7.2	7.1	7.3	5.5-9.0
Nitrate Nitrogen	mg/l					1.5	1.6	2.4	1.2	1.2	1.6	1.7	1.0	TOTAL NITROGEN :10
Ammonical Nitrogen	mg/l					16.0	12.0	27.3	9.1	32.1	29.2	12.3	9.0	
T.Phosphorous	mg/l					2.0	1.3	2.0	0.6	2.5	2.0	1.5	0.7	1.0
T.S.S	mg/l					250	75	311	78	350	150	214	71	20
COD	mg/l					--	51	--	62	--	125	--	53	50
BOD						--	20	--	22	--	42	--	21	10
Fecal Coliform	Col/100 ml					--	650	--	600	--	1800	--	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 24-02-2020.

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	16.5	18.8	Plant Closed		16.1	18.5	16.0	18.0	16.1	18.0	15.8	18.2	--
W. Temp.	°C	12.3	11.6			11.1	10.4	10.6	10.3	11.3	10.2	13.3	12.8	--
pH	--	7.1	7.2			7.1	7.2	7.0	7.2	6.9	7.0	7.0	7.2	5.5-9.0
Nitrate Nitrogen	mg/l	1.8	1.9			1.6	1.7	2.5	1.2	1.1	1.4	1.6	1.0	TOTAL NITROGEN :10
Ammonical Nitrogen	mg/l	24.5	21.3			24.9	20.3	26.1	9.0	29.6	27.6	14.8	11.2	
T.Phosphorous	mg/l	2.5	1.7			2.1	1.5	1.9	0.8	2.7	2.0	1.6	0.6	1.0
T.S.S	mg/l	256	78			241	87	324	88	360	158	254	80	20
COD	mg/l	--	72			--	54	--	64	--	112	--	56	50
Fecal Coliform	Col/100 ml	--	890			--	800	--	850	--	2350	--	830	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 26-02-2020.

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	Plant Closed		15.7	18.5	16.6	18.7	16.7	18.2	16.5	18.1	16.7	18.2	--
W. Temp.	°C			11.9	12.2	11.2	11.5	11.2	11.3	11.1	11.9	13.0	12.0	--
pH	--			7.2	7.5	7.3	7.3	7.3	7.2	7.3	7.3	7.1	7.4	5.5-9.0
Nitrate Nitrogen	mg/l			1.7	1.9	1.5	1.7	2.7	1.5	1.0	1.5	1.7	1.0	TOTAL NITROGEN : 10
Amonical Nitrogen	mg/l			25.7	24.6	11.2	10.5	27.5	9.2	31.2	27.8	14.5	12.5	
T.Phosphorous	mg/l			2.4	1.8	1.6	0.9	2.1	0.8	2.9	2.1	1.7	0.7	1.0
T.S.S	mg/l			254	95	215	80	315	85	365	195	241	85	20
COD	mg/l			--	75	--	56	--	60	--	121	--	54	50
Fecal Coliform	Col/100 ml			--	800	--	750	--	830	--	2200	--	750	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 28-02-2020.

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	7.5	7.5	8.8	8.8	7.8	7.8	9.0	9.1	9.1	9.1	9.5	9.5	--
W. Temp.	°C	11.0	11.6	9.7	9.8	10.5	10.6	10.2	10.5	10.3	10.5	12.0	12.3	--
pH	--	7.0	7.1	7.0	7.2	7.2	7.4	6.9	7.5	6.8	7.2	7.1	7.4	5.5-9.0
Nitrate Nitrogen	mg/l	1.8	2.0	1.6	1.8	1.7	1.8	2.4	1.5	0.8	1.2	1.5	1.1	TOTAL NITROGEN : 10
Ammonical Nitrogen	mg/l	26.1	24.3	27.2	25.5	10.5	8.8	22.5	9.8	28.1	26.7	15.4	12.8	
T.Phosphorous	mg/l	2.9	1.9	2.7	1.7	1.5	0.8	1.7	0.7	2.8	2.3	1.8	0.9	1.0
T.S.S	mg/l	239	110	245	98	234	85	371	88	375	210	222	80	20
COD	mg/l	--	85	--	70	--	55	--	61	--	134	--	59	50
BOD		--	30	--	25	--	20	--	22	--	50	--	21	10
Fecal Coliform	Col/100 ml	--	950	--	845	--	800	--	850	--	2300	--	800	Desirable =100 Permissible =230

