

**J & K State Pollution Control Board**  
**Parvesh Bhawan,Gladni,Transport Nagar,Narwal, Jammu -180006**

**Water Lab**  
**Analysis Report(NWMP)**  
 1st Quarter,2018

General information										Report No.	Dated:-	
STATION CODE	2738	2739	2740	2741	2742	2743	2744	2746	2747	2748	2749	2750
TYPE	L	L	L	L	R	R	R	R	R	R	R	R
LOCATION	Midpoint Mansar Lake	Point of Discharge wastewater from different Establishm	Near Shamshan Ghat/Residential Area	Point of Discharge of waste water	Sheetli Lifting point, Nagrota	Bagh_e_Bahu Lifting point	Below Tawi Bridge	Belicharna	Surajpur	L.H.S. (Below Bridge Chenab)	Blind Curve Shamshan Ghat	Chadta Gaon View Point
RIVER	Mansar	Mansar	Surinsar	Surinsar	Tawi	Tawi	Tawi	Tawi	Tawi	Chenab	Chenab	Chenab
Monitoring frequency	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly
Date of sample collection	2-2-2018	2-2-2018	2-2-2018	2-2-2018	20-1-2018	20-1-2018	20-1-2018	20-1-2018	20-1-2018	22-1-2018	22-1-2018	22-1-2018

**Field Observations:** -

Parameter	2738	2739	2740	2741	2742	2743	2744	2746	2747	2748	2749	2750
Weather	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny
Approximate depth of main stream(m)	38	-	24		1-2	1-2	3-4	1-2	1-2	4-5	4-5	4-5
Colour	Colourless	Slightly turbid	turbid	Turbid	Slightly turbid	Slightly turbid	turbid	Slightly turbid	colourless	Light grey	Light grey	Light grey
Odour	Odourless	Slightly pungent	pungent	pungent	Odourless	Slightly pungent	Slightly pungent	Slightly pungent	odourless	Odourless	Odourless	odourless
Visible effluent	-	Drains	-	-	Nil	Nil	Drain 500mu/s	Drain from warehouse500mu/s	Nil	Nil	Nil	Nil
Human activities around station	-	Sewage discharge,bathing washing feeding fishes	Washing,bathing	Washing,bathing,feeding fishes	Supply of water for drinking	Religious purposes	Bathing ,washing	Bathing of cattle,washing getc	Agriculture purposes	Nil	Nil	Supply to public via pump
Temperature(0c)	12	12	13	13	16	16	17	17	17	10	9	9
Dissolved oxygen	7.6	7.3	5.4	5.9	7.8	7.2	6.3	7.6	8.0	8.5	8.4	7.4

**Lab Analysis:**

Core parameters:-

S.No.	Parameter	2738	2739	2740	2741	2742	2743	2744	2746	2747	2748	2749	2750
1	pH	7.75	7.65	7.85	7.90	7.90	8.0	8.25	8.20	8.0	7.80	7.70	7.70
2	Conductivity	260	285	270	275	190	220	280	260	250	190	185	185
3	BOD	2.5	4.8	7	8	<1	3.2	6	4.3	2.6	1.9	1.8	1.8
4	Nitrate-N	0.34	0.45	0.78	0.89	0.01	0.04	5.5	0.10	0.02	0.54	0.54	0.67
5	Nitrite-N	0.05	0.06	0.07	0.07	0.01	0.001	0.032	0.05	0.04	0.004	0.006	0.004

General Parameters

S.No	Parameter	2738	2739	2740	2741	2742	2743	2744	2746	2747	2748	2749	2750
21	Turbidity(NTU)	6	8	16	16	10	20	32	32	2418	18	17	17
2	TDS	160	175	166	170	120	138	170	160	150	120	115	115
3	Ammonia	0.44	0.56	1.45	1.65	0.004	0.003	0.051	0.043	0.010	0.045	0.043	0.050
4	Phosphate-P	0.032	0.035	0.036	0.041	0.017	0.020	0.035	0.044	0.032	0.002	0.003	0.003
5	COD	16	22	34	40	3.0	7.8	26	18	9	6	5	5
6	Phenolphthalein Alkalinity	0	0	0	0	0	0	0	0	0	0	0	0
7	Total Alkalinity as $\text{CaCO}_3$	200	240	196	192	240	260	280	240	220	120	126	130
8	Hardness as $\text{CaCO}_3$	184	210	194	198	230	246	304	250	230	184	204	210
9	Calcium as $\text{CaCO}_3$	150	170	144	142	190	206	260	208	186	150	160	170
10	Magnesium as $\text{CaCO}_3$	34	40	50	56	40	40	44	42	44	34	44	40
11	Sodium	13.5	14	15	15	12	11	16	16	10	9	9	8
12	Potassium	8.0	7.5	8.8	8.2	6.0	6.5	5.4	5.2	4.5	3.2	3.2	3.0
13	Sulphate	9.25	9.63	10.45	11.46	8.34	8.87	8.70	9.65	8.89	45	48	50
	Chloride	18	22	26	24	20	22	29	26	18	18	17	16

Note:All the Concentrations are expressed in mg/l except for ph,turbidity(NTU),Conductivity

Analysts

Scientist `A`  
I/C Water LabScientist `B`  
Head Labs SPCB, Jammu

**J&K State Pollution Control Board**  
**Parvesh Bhawan,Gladni,Transport Nagar,Narwal, Jammu -180006**

**Water Lab**  
**Analysis Report(NWMP)**  
**1st Quarter,2018**

General information

Report No.

Dated:-

STATION CODE	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762
TYPE	R	R	R	R	R	R	R	R	W	W	W	W
LOCATION	JaiPatan Mandir after meeting with main drain	Samba(Below NH-1Abridge) Basanter US (R.H.S)	Samba(At Chak Manga Gujjar) Basanter D/S(R.H.S)	River Devak Udhampur(Near Shiv Mandir) L.H.S	Banganga(Bathing Ghat) Katra	Banganga (Infront of Pony Shed Near Reasi Bridge) Katra	River Devak at Utterbehni	River Ujh at Dam Site	Dugwell at Gagwal (Kathua Disstt.)	Maladar Talab (Pond)Hatli (Kathua)	Tube well Kathua SICOP Industrial Area Kathua	Gharna Wetland R.S.PUra
River	Chenab	Basantar	Basantar	Devak	Banganga	Banganga	Devak	Ujh	Well	pond	well	Wetland
Monitoring frequency	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Half Yearly	Half Yearly	Half Yearly	Half Yearly
Date of sample collection	22-1-2018	2-2-2018	2-2-2018	10-3-2018	10-3-2018	10-3-2018	21-2-2018	21-2-2018	-	-	-	-

Field Observations :-

Parameter	2751	2752	2753	2754	2755	2756	2757	2758
Weather	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny
Approximate depth of main stream(m)	4-5	<1.0	<1.0	<1.0	0.5	0.5	<1.0	1-2
Colour	Light grey	colourless	Colourless	Pale	Colourless	Slightly brown	colourless	Colourless
Odour	Odourless	Odourless	unpleasant	unpleasant	Odourless	Unpleasant	Odourless	Odourless
Visible effluent	Akhnoor drain	-	U/s Industrial waste of samba	Drains from the city	Nil	Discharges from pony shed	Nil	Nil
Human activities around station	Bathing washing,performing religious activities	Bathing ,sand lifting	Cattle bathing ,sand lifting	Bathing,washing &religious purposes	Bathing 7religious purposes	Bathing	Bathing &religious purposes	Supply to public via irrigation
Temperature(0c)	10	17	17	18	14	14	18	17
Dissolved oxygen	7.6	8.8	8.0	8.3	7.9	7.6	8.0	8.3

**Lab Analysis:****Core parameters:-**

S.No.	Parameter	2751	2752	2753	2754	2755	2756	2757	2758
1	pH	7.65	8.60	8.10	8.20	8.25	8.15	8.05	7.98
2	Conductivity	180	420	384	420	390	380	380	300
3	BOD	1.5	2.2	4.6	10.4	2.6	5.7	1.4	<1.0
4	Nitrate-N	0.70	0.006	0.017	3.90	5.8	6.9	4.3	0.03
5	Nitrite-N	0.005	0.04	0.12	0.290	0.016	0.007	0.001	0.01

**General Parameters**

S.No	Parameter	2751	2752	2753	2754	2755	2756	2757	2758
1	Turbidity(NTU)	17	10	8	11	10	12	10	8
2	TDS	113	258	230	260	236	230	230	190
3	Ammonia	0.012	0.15	0.20	1.18	0.764	0.840	0.057	0.006
4	Phosphate-P	0.006	0.024	0.043	0.064	0.12	0.20		0.001
5	COD	6	8	16	35	7	18	6	3
6	Phenolphthalein Alkalinity	0	32	0	0	0	0	0	0
7	Total Alkalinity as cacO <sub>3</sub>	120	288	216	312	260	292	300	200
8	Hardness as cacO <sub>3</sub>	190	298	294	210	230	250	232	140
9	Calcium as cacO <sub>3</sub>	150	240	250	150	174	184	170	110
10	Magnesium as cacO <sub>3</sub>	40	58	44	60	56	66	62	30
11	Sodium	11	12	10	44	16	16	15	13
12	Potassium	3.0	3.8	3.7	8.4	7.6	5.6	3.8	3.7
13	Sulphate	50	34	35	40	33	36	9.45	7.0
14	Chloride	19	20	25	65	28	32	26	2s4

Note: All the Concentrations are expressed in mg/l except for PH, Turbidity(NTU), Conductivity(

**Analysts**

**Scientist `A`  
I/C Water Lab**

**Scientist-B  
Head Labs SPCB, Jammu**

**JAMMU & KASHMIR STATE POLLUTION CONTROL BOARD**  
**Parivesh Bhawan, Gladni, Transport Nagar, Narwal, Jammu -180006**  
**Water Laboratory**  
**Analysis Report (NWMP)**  
**IInd Quarter,2018**

General Information

Report no.40  
18/7/2018

STATION CODE	2738	2739	2740	2741	2742	2743	2744	2746	2747	2748	2749	2750
TYPE	L	L	L	L	R	R	R	R	R	R	R	R
LOCATION	Midpoint Mansar Lake	Point of Discharge of Wastewater from Different Establishment	Near Shamshan Ghat/Residential Area	Point of Discharge of waste water	Sheetli Lifting Point, Nagrota	Bagh –e- Bahu Lifting Point.	Below Tawi Bridge	Belicharana	SurajpurTawi	L.H.S. (Below Bridge Chenab)	Blind Curve Shamshan Ghat	Chadta Gaon View Point
River	Mansar	Mansar Lake	Surinsar Lake	Surinsar	Tawi	Tawi	Tawi	Tawi	Tawi	Chenab	Chenab	Chenab
Monitoring Frequency	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly
Date of sample collection	22-6-2018	22-6-2018	22-6-2018	22-6-2018	12-4-2018	12-4-2018	12-4-2018	12-4-2018	12-4-2018	12-4-2018	12-4-2018	12-4-2018

Field Observations

S.No	Parameter	2738	2739	2740	2741	2742	2743	2744	2746	2747	2748	2749	2750
1	Weather	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny
2	Approximate depth of main stream(m)	38	-	15	12	1.5	1.8	1.5	3-4	3-4	3.3	3.6	3.5
3	Colour & Intensity	Colourless	Colourless	Colourless	Pale	Colourless	Slightly pale	Light Green	Colourless	Colourless	Light grey	Light Grey	Light Grey
4	Odour	Odourless	Slightly pungent	Odourless	Slightly pungent	Odourless	Odourless	Slightly pungent	Odourless	Odourless	Odourless	Odourless	Odourless
5	Visible effluent discharge	-	Drains from commercial establishments	-	-	Nil	Nil	Drains 500 m u/s	Drain from warehouse 500mu/s	Nil	Nil	Nil	Nil
6	Human activities around	Boating	Sewage discharge, Bathing,	Washing, Bathing	Washing, bathing, religious	Supply of water for drinking	Religious activities	Bathing, washing of vehicles	Bathing of cattle,wa	Agricultural purposes	Bathing	Burning of dead bodies	Supply to public via pump
7	Temperature	24	24	24	24	18	18	18	19	19	11	11	11
8	D.O.	7.5	7.9	8.8	8.5	6.5	7.5	7.3	7.0	6.8	8.0	8.0	8.0

**Core Parameters**

S. N	Parameter	2738	2739	2740	2741	2742	2743	2744	2746	2747	2748	2749	2750
1.	pH	7.56	7.45	7.95	8.10	7.60	7.95	8.28	8.15	8.10	7.90	7.95	7.92
2.	Conductivity (µS/cm)	240	270	320	340	290	300	340	310	300	130	132	130
3.	BOD	1.2	3.0	5.5	7.0	<1.0	2.6	7.8	5.3	2.4	<1.0	<1.0	<1.0
4.	Nitrate-N(mg/l)	0.29	0.36	0.58	0.65	0.02	0.08	4.5	0.42	0.38	0.026	0.027	0.027
5.	Nitrite-N(mg/l)	0.02	0.04	0.04	0.08	001	0	0.045	0.032	0.029	0.03	0.03	0.03

**General Parameters**

S.N	Parameter	2738	2739	2740	2741	2742	2743	2744	2746	2747	2748	2749	2750
1.	Turbidity(NTU)	6	8	20	22	22	22	22	38	30	21	22	18
2.	TDS	140	160	192	198	174	180	186	182	180	82	80	80
3.	Ammonical-N	0.23	0.36	0.93	1.42	0.008	0.015	0.062	0.052	0.032	0.29	0.27	0.26
4.	Phosphate-P	0.021	0.026	0.028	0.056	0.020	0.026	0.042	0.036	0.018	0.082	0.084	0.082
5.	COD	11	24	29	45	2.3	12	36	28	19	3	3	4
6.	Phenolphthalein Alkalinity	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	Total Alkalinity as CaCO <sub>3</sub>	230	248	240	260	300	320	340	316	280	132	132	128
8.	Hardness as CaCO <sub>3</sub>	210	240	260	266	280	290	320	300	290	140	142	124
9.	Calcium as CaCO <sub>3</sub>	170	190	190	196	230	234	260	242	236	96	96	90
10.	Magnesium as CaCO <sub>3</sub>	40	50	70	70	50	56	60	58	54	44	46	34
11.	Sodium	18	17	18	16	12	14	16	15	14	5.6	4.5	4.0
12.	Potassium	3.5	3.5	4.0	3.2	4.0	3.0	4.0	3.5	2.5	2.5	2.5	2.1
13.	Sulphate	8.50	8.68	12.4	12.6	18	16	14	13.5	13.0	15.5	14.5	13.0
14.	Chloride	21	24	36	38	28	334	38	36	32	18	18	18

Note: All the concentrations are expressed in mg/l except for pH, Turbidity (NTU), Conductivity (µS/cm).

Analysts

Scientist 'A'  
I/c Water Lab

Scientist 'B'  
Head Labs  
(Air, Water, BioSc)

**JAMMU & KASHMIR STATE POLLUTION CONTROL BOARD**

Parivesh Bhawan, Gladni, Transport Nagar, Narwal, Jammu -180006

Water Laboratory

Analysis Report (NWMP)

IInd Quarter,2018

Report No:40

18/7/2018

*General Information*

STATION CODE	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762
TYPE	R	R	R	R	R	R	R	R	W	W	W	W
LOCATION	Jai Patan Mandir after meeting with main drain of Akhnoor City	Samba(Below NH-1A Bridge) Basantar US (R.H.S.)	Samba (At Chak Manga Gujjar) Basantar D/S (R.H.S)	River Devak Udampur( Near Shiv Mandir) L.H.S.	Banganga (Bathing Ghat), Katra.	Banganga (In front of Pony Shed Near Reasi Bridge ) Katra	River Devak at Utterbehni.	River Ujh at Dam Site	Dug well at Gaghwal (Kathua Distt.)	Maladhar Talab (Pond)Hatli (Kathua)	Tube well Kathua SICOP Industrial Area Kathua	Gharana Wetland,R.s. Pura
RIVER	Chenab	Basantar	Basantar	Devak	Banganga	Banganga	Devak	Ujh	Well	Pond	Well	Wetland
MONITORING FREQUENCY	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Half Yearly	Half Yearly	Half Yearly	Half Yearly
Date of Sample Collection	12-4-2018	16-4-2018	16-4-2018	9-6-2018	9-6-2018	9-6-2018	22-6-2018	9-4-2018	16-4-2018	16-4-2018	16-4-2018	25-4-2018

*Field observations*

S. N	Parameter	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762
1.	Weather	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny
2.	Approximate depth of main stream(m)	2.5	0.45	0.30	0.50	0.30	0.40	0.20	0.6	1.2	3.3	3.6	5
3.	Colour	Slightly Pale	Colourless	Colourless	Pale	Colourless	Slightly pale	Light Brown	Colourless	Colourless	Light Green	Clear	Light Brown
4.	Odour	Slightly pungent	Odourless	Odourless	Slightly pungent	Odourless	Slightly Pungent	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5.	Visible effluent discharge	Akhnoor Drain	-	U/s Industrial waste of Samba	Drains	Nil	From pony shed	-	-	Nil	Nil	Nil	Drains from residential area and agricultural waste
6.	Human activities around station	Bathing, washing	Bathing, Sand Lifting	Cattle Bathing and Sand Lifting	Bathing, Washing and religious purposes	Bathing, washing	Bathing, and Washing	Bathing and Religious Purposes	Supply to public via Irrigation Canal	Drinking water supply	Bathing, Washing, Cattle Washing and other religious purposes	Bathing, Washing and Drinking	Paddy cultivation
7.	Temperature	11	24	24	24	24	25	24	9.5	16	21	15	21
8.	D.O.	8.3	7.6	6.3	6.8	5.20	4.83	7.22	8.70	N.A.	6.3	N.A.	11.2

**Lab Analysis: Core Parameters**

S.N	Parameter	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762
	pH	8.10	8.80	8.20	7.35	8.10	8.25	8.10	7.98	7.8	8.95	7.20	8.40
	Conductivity (at 25 <sup>o</sup> )	140	460	420	595	835	692	460	197	480	280	220	1210
	BOD	2.4	1.9	3.2	7.8	2.2	3.2	2.0	-	-	2.4-	36	
	Nitrate-N	0.36	0.004	0.021	3.85	4.32	5.45	3.8	1.01	-	-	-	-
	Nitrite-N	0.021	0.020	0.028	0.038	0.047	0.040	0.009	0.018	0.21	0.038	0.008	0.30

**General Parameters-**

S.	Parameter	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762
1.	Turbidity	26	16	12	16	52	54	14	8.0	2.0	38	3	54
2.	TDS	85	270	260	358	485	416	280	120	286	165	127	726
3.	Ammonical-N	0.32	0.19	0.24	1.20	0.72	0.94	2.42	0.004	0.007	5.2	2.59	0.145
4.	Phosphate-P	0.20	0.022	0.036	0.084	0.194	0.213	0.312	0.018	0.043	0.096	0.04	0.062
5.	COD	12	10	21	45	12	2	18	1.6	-	12	-	135
6.	Phenolphthalein Alkalinity	00.0	40	0	0	0	0	0	0	0	60	0	80
7.	Total Alkalinity as CaCO <sub>3</sub>	136	292	260	280	280	308	272	168	80	240	86	720
8.	Hardness as CaCO <sub>3</sub>	152	320	310	230	234	236	242	94	160	156	102	840
9.	Calcium as CaCO <sub>3</sub>	112	270	270	176	198	200	160	78	132	90	66	204
10.	Magnesium as CaCO <sub>3</sub>	40	50	40	54	36	36	82	16	28	66	36	636
11.	Sodium	6.4	19	16	25.5	16	17	10	10	18	18	7.52	120
12.	Potassium	2.8	3	2	7.9	6.5	7.5	3.8	2.4	2.4	12	1.2	140
13.	Sulphate	13	16	14	44	13.2	14	10.2	5.0	8	11.3	8.2	170
14.	Chloride	18	35	30	50	32	35	24	12	32	36	32	140

Note: All the concentrations are expressed in mg/l except for pH & Conductivity (µS/cm), Turbidity (NTU).

Analysts

Scientist 'A'  
I/c Water Lab

Scientist 'B'  
Head Labs  
(Air, Water, BioSc)



**JAMMU & KASHMIR STATE POLLUTION CONTROL BOARD**

Parivesh Bhawan, Gladni, Transport Nagar, Narwal, Jammu -180006

Water Laboratory

Analysis Report (NWMP)

IIIrd Quarter,2018

Report No 49

Dated: 29/10/2018

General Information

STATION CODE	1305	1412	2738	2739	2740	2741	2742	2743	2744	2746	2747	2748	2749	2750
TYPE	R	R	L	L	L	L	R	R	R	R		R	R	R
LOCATION	Pul Doda	Kheper at R.S. Pura	Midpoint Mansar Lake	Point of Discharge of Wastewater from Different Establishment	Near Shamshan Ghat/Residential Area	Point of Discharge of waste water	Sheetli Lifting Point, Nagrota	Bagh –e- Bahu Lifting Point.	Below Tawi Bridge	Belicharana	Surajpur	L.H.S. (Below Bridge Chenab)	Blind Curve Shamshan Ghat	Chadta Gaon View Point
River	Chenab	Tawi	Mansar	Mansar Lake	Surinsar Lake	Surinsar	Tawi	Tawi	Tawi	Tawi	Tawi	Chenab	Chenab	Chenab
Monitoring Frequency	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly
Date of sample collection	29/9/2018	18/9/2018	27/9/2018	27/9/2018	27/9/2018	27/9/2018	18/9/2018	18/9/2018	18/9/2018	18/9/2018	18/9/2018	29/9/2018	29/9/2018	29/9/2018

Field Observations

S	Parameter	1305	1412	2738	2739	2740	2741	2742	2743	2744	2746	2747	2748	2749	2750
1	Weather	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny
2	Approximate depth of main stream(m)	-	2-3	38	-	24	22	1-2	2-3	3-4	3-4	1-2	4-5	4-5	4-5
3	Colour & Intensity	Colourless	Brown (Muddy)	Colourless	Slightly Pale	pale	Pale	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Pungent	Odourless	Slightly pungent	Slightly pungent	Slightly pungent	Odourless	Odourless	Odourless	Colourless	Colourless	Colourless	Colourless	Odourless
5	Visible effluent discharge	-	Mixing of balol Nallah	None	Drains from commercial establish	-	-	-	-	Drains 500 md/s	Drains from warehouse500	Nil	Nil	Nil	Nil
6	Human activities around station	-	-	Boating	Sewerage Discharge Bathing, washing etc.	Washing, Bathing	Washing, Bathing and religious activities	Supply of water for drinking	Religious activities	Bathing, washing of vehicles	Bathing of cattle, washing etc.	Agricultural purpose	Nil	Nil	Supply of water via filtration pump
7	Temp(°C)	11	22	28	26	28	28	22	22	22	23	23	16	16	16
8	D.O.	8.5	5.4	8.2	5.2	4.5	4.1	7.9	7.4	6.6	7.9	7.9	9.0	9.3	9.4

**Core Parameters**

S.No.	Parameter	1305	1412	2738	2739	2740	2741	2742	2743	2744	2746	2747	2748	2749	2750
1.	pH	7.40	8.20	8.05	8.10	8.15	8.20	7.90	8.15	8.25	8.0	7.90	7.60	7.58	7.54
2.	Conductivity (µS/cm)	160	580	250	256	220	235	380	420	437	360	330	205	205	207
3.	BOD	<1.0	10	1.0	1.3	3.6	3.4	1.1	1.0	5.1	1.2	1.3	<1.0	<1.0	<1.0
4.	Nitrate-N(mg/l)	0.32	0.65	0.232	0.210	5.92	3.80	0.11	0.03	0.58	0.03	0.02	0.022	0.04	0.02
5.	Nitrite-N(mg/l)	0.028	0.308	0.013	0.010	0.036	0.047	0.01	0	0.02	0.01	0.02	0.02	0.105	0

**General Parameters-**

S.NO.	Parameter	1305	1412	2738	2739	2740	2741	2742	2743	2744	2746	2747	2748	2749	2750
1.	Turbidity(NTU)	16	35	3	5	22	28	32	43	32	29	28	90	90	90
2.	TDS	96	364	145	147	128	137	220	243	253	210	190	121	121	120
3.	Ammonical-N	0.42	3.18	0.72	0.74	1.0	1.07	0.24	0.30	0.30	0.42	0.30	0.32	0.58	0.60
4.	Phosphate-P	0	0.64	0.121	0.07	0.96	0.181	0.014	0.02	0.02	0.03	0.032	0.090	0.032	0.020
5.	COD	<1.0	52	4	4.8	12.5	12	6.6	4.2	20	5.0	7.0	2.3	2.3	1.2
6.	Phenolphthalein Alkalinity	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.	Total alkalinity	92	360	116	124	164	176	208	212	232	220	200	88	88	90
8.	Hardness as CaCO <sub>3</sub>	86	580	76	80	94	96	148	160	166	148	142	90	86	87
9.	Calcium as CaCO <sub>3</sub>	72	420	44	40	56	60	100	106	106	96	94	64	60	58
10.	Magnesium as CaCO <sub>3</sub>	14	160	32	40	38	36	48	54	60	52	48	26	26	29
11.	Sulphate	28	28	8.25	8.70	13.06	8.09	5.2	7.4	9.2	6.8	8.8	20	24	22
12.	Chloride	16	42	20	24	20	22	20	22	25	20	20	15	15	18

Note: All the concentrations are expressed in mg/l except for pH, Turbidity (NTU), Conductivity (µS/cm).

Analysts

Scientist 'A'  
I/c Water Lab

Scientist 'B'  
Head Labs

**JAMMU & KASHMIR STATE POLLUTION CONTROL BOARD**

Parivesh Bhawan, Gladni, Transport Nagar, Narwal, Jammu-180006

Water Laboratory  
Analysis Report (NWMP)  
IIIrd Quarter, 2018

Report No. 49  
Dated : 29/10/2018

**General information**

STATION CODE	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762
TYPE	R	R	R	R	R	R	R	R	W	W	W	W
LOCATION	Jai Patan Mandir after meeting with main drain of Akhnoor City	Samba(Below NH-1A Bridge) Basantar US (R.H.S.)	Samba (At Chak Manga Gujjar) Basantar D/S (R.H.S)	River Devak Udampur( Near Shiv Mandir) L.H.S.	Banganga (Bathing Ghat), Katra.	Banganga (In front of Pony Shed Near Reasi Bridge ) Katra	River Devak at Utterbehni.	River Ujh at Dam Site	Dug well at Gaghwal (Kathua Distt.)	Maladhar Talab (Pond)Hatli (Kathua)	Tube well Kathua SICOP Industrial Area Kathua	Gharana Wetland,R.s. Pura
RIVER	Chenab	Basantar	Basantar	Devak	Banganga	Banganga	Devak	Ujh	Well	Pond	Well	Wetland
MONITORING FREQUENCY	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Half Yearly	Half Yearly	Half Yearly	Half Yearly
Date of Sample Collection	29/9/2018	27/9/2018	27/9/2018	28/9/2018	28/9/2018	28/9/2018	27/9/2018	27/9/2018	N.A.	N.A.	N.A.	N.A.

**Field observations**

S.No.	Parameter	2751	2752	2753	2754	2755	2756	2757	2758
1.	Weather	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny
2.	Approximate depth of main stream(m)	4-5	<1.0	<1.0	<0.5	0.5	0.5	<0.5	2.0
3.	Colour	Light Grey	Colourless	Colourless	Pale	Colourless	Light Brown	Colourless	Colourless
4.	Odour	Slightly unpleasant	Odourless	Unpleasant	Slightly Unpleasant	Slightly Unpleasant	Odourless	Odourless	Odourless
5.	Visible effluent discharge	Dran from Akhnoor city	Nil	u/s industrial waste	Drains fall into the river	Nil	From pony Shed	-	-
6.	Human activities around station	Batahing, Washing and other religious activities	Bathing, Washing	Washing, cattle	Bathing, washing and burning of dead bodies	Bathing, Washing and other religious activities	Bathing, washing and burning of dead bodies	Bathing ,religious activities	Supply to public via Irrigatio Canal
7.	Temperature(°C)	16	27	27	23	20	20	18	24
8.	Dissolved Oxygen	6.9	6.2	5.0	5.8	6.7	6.4	6.0	7.6

**Lab Analysis: Core Parameters**

S.N	Parameter	2751	2752	2753	2754	2755	2756	2757	2758
1.	pH	7.64	8.80	8.40	8.28	7.80	8.10	7.90	7.60
2.	Conductivity	210	480	470	510	635	580	440	187
3.	BOD	2.4	2.1	4.0	6	1.8	2.0	1.6	0
4.	Nitrate-N	6.36	2.33	2.85	3.04	3.24	3.80	2.8	0.90
5.	Nitrite-N	0.086	0.038	0.025	0.068	0.026	0.032	0.004	0.012

**General Parameters-**

S.N	Parameter	2751	2752	2753	2754	2755	2756	2757	2758
1.	Turbidity	90	13	13	10	39	36	18	10
2.	TDS	122	280	273	295	370	337	256	110
3.	Ammonical-N	2.94	0.395	0.80	0.623	0.56	0.52	2.10	0.002
4.	Phosphate-P	0.16	0.02	0.030	0.512	0.121	0.101	0.28	0.012
5.	COD	14	10	16	36	10	14	12	1.0
6.	Phenolphthalein Alkalinity	0	28	18	0	0	0	0	0
7.	Total Alkalinity as CaCO <sub>3</sub>	96	192	196	220	240	235	264	148
8.	Hardness as CaCO <sub>3</sub>	92	168	156	190	210	206	230	96
9.	Calcium as CaCO <sub>3</sub>	64	112	118	142	178	176	162	82
10.	Magnesium as CaCO <sub>3</sub>	28	56	38	48	32	30	68	14
11.	Sulphate	62.76	14.48	20.73	30	15	14	7.8	4.5
12.	Chloride	18	21	18	46	36	30	21	16

Note: All the concentrations are expressed in mg/l except for pH & Conductivity (µS/cm), Turbidity (NTU)

**Analysts**

**Scientist 'A'  
I/c Water Lab**

**Scientist 'B'  
Head Labs**

**JAMMU & KASHMIR STATE POLLUTION CONTROL BOARD**

Parivesh Bhawan, Gladni, Transport Nagar, Narwal, Jammu -180006

Water Laboratory  
Analysis Report (NWMP)  
December ,2018(Qtr-IV)

General Information

Report No.  
Dated:

STATION CODE	1305	1412	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749
TYPE	R	R	L	L	L	L	R	R	R		R	R	R	R
LOCATION	Pul doda	Kheper At R.S. Pura	Midpoint Mansar Lake	Point of Discharge of Wastewater from Different Establishment	Near Shamshan Ghat/Residential Area	Point of Discharge of waste water	Sheetli Lifting Point, Nagrota	Bagh –e- Bahu Lifting Point.	Below Tawi Bridge	Bhagwatinagar	Belicharana	Surajpur	L.H.S. (Below Bridge Chenab)	Blind Curve Shamshan Ghat
River	Chenab	Tawi	Mansar	Mansar Lake	Surinsar Lake	Surinsar	Tawi	Tawi	Tawi	Tawi	Tawi	Tawi	Chenab	Chenab
Date of sample collection	17/12/2018	18/12/2018	1/12/2018	1/12/2018	1/12/2018	1/12/2018	14/12/2018	13/12/2018	13/12/2018	19/12/2018	19/12/2018	18/12/2018	13/12/2018	13/12/2018

Field Observations

S. N	Parameter	1305	1412	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749
1	Weather	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny
2	Approx. depth of main stream(m)	-	<1.0	38	-	24	22	<1	<1	2-3	<1	<1	<1	3-4	3-4
3	Colour & Intensity	Colourless	Slightly turbid	Colourless	Colourless	Light Green	Green	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Visible effluent discharge	-	Intermixing of Balol Nallah	-	Drains from commercial establishments	-	-	Nil	Nil	Drains 500 m u/s	-	Drain from warehouse 500m u/s	Nil	Nil	Nil
6	Human activities around station	-	Bathing, Cattle washing	-	Sewage discharge, Bathing, washing etc.	Washing, Bathing	Washing, bathing, religious activities	Supply of water for drinking	Religious purposes	Bathing, washing of vehicles	Bathing, washing, drinking of cattle	Bathing of Cattle, washing etc.	Agricultural purposes	Nil	Nil
7	Temp	7	14	14	14	14	13	13	14	14	15	15	14	7	7
8	D.O.	8.8	4.7	7.9	4.9	4.5	5.4	8.2	9.2	7.2	8.1	7.0	7.2	8.9	8.6

**Core Parameters**

S.N	Parameter	1305	1412	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749
6.	pH	7.20	7.60	7.98	7.70	7.75	7.80	8.35	8.35	8.60	8.30	8.33	8.32	7.70	7.72
7.	Conductivity (µS/cm)	291	721	204	228	210	204	378	317	365	490	467	448	219	217
8.	BOD	<1.0	20	<1.0	1.8	5.6	4.7	<1.0	<1.0	1.7	<1.0	1.2	<1.0	0	0
9.	Nitrate-N(mg/l)	*	*	0.22	1.28	3.1	2.26	*	*	*	*	*	*	*	*
10.	Nitrite-N(mg/l)	0.0074	0.566	0.017	0.016	0.017	0.031	0.011	0.031	0.018	0.04	0.03	0.082	0.008	0.015

**General Parameters**

S.N	Parameter	1305	1412	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749
15.	Turbidity(NTU)	6	12	4	8	16	16	6	4	6	39	24	22	11	11
16.	TDS	171	425	118	132	122	118	220	184	219	284	284	271	132	132
17.	Ammonical-N	0.15	2.01	0.76	0.56	2.06	1.54	0.130	0.74	0.82	0.254	0.537	0.13	0.40	0.29
18.	Phosphate-P	0.028	0.078	0.01	0.027	0.017	0.031	0	0.004	0.005	0.186	0.155	0.14	0	0.018
19.	COD	<1.0	78	4.2	7.7	40	28	1.2	2.1	6.4	2.1	5.1	4.2	<1.0	<1.0
20.	Phenolphthalein Alkalinity	0	0	0	0	0	0	60	32	24	16	16	16	0	0
21.	Total Alkalinity as CaCO <sub>3</sub>	72	348	186	148	160	152	204	232	204	200	200	220	100	96
22.	Hardness as CaCO <sub>3</sub>	114	316	100	118	114	112	170	188	182	170	170	206	124	122
23.	Calcium as CaCO <sub>3</sub>	76	188	72	60	80	72	106	104	104	130	130	158	76	68
24.	Magnesium as CaCO <sub>3</sub>	38	128	28	58	34	40	64	84	78	40	40	48	48	54
25.	Sodium	8.0	22.5	**	**	**	**	17.0	17.0	18.8	18.5	18.6	18.8	9.1	9.2
26.	Potassium	1.2	2.9	**	**	**	**	1.43	1.53	1.73	1.30	1.13	1.89	2.1	2.1
27.	Sulphate	58	59	7.4	8.4	5.8	4.1	19	14	13	15	25	20	62	58
28.	Chloride	17	45	35	29	24	28	25	32	26	32	30	32	18	18

Note: 1.All the concentrations are expressed in mg/l except for pH, Turbidity (NTU), Conductivity (µS/cm).

2. \* UV-visible Spectrophotometer non-operational. Colorimetry parameters done on Visible Spectrophotometer of Air –Lab.

3. \*\* Flame Photometer was Non-funtional on 1/12/2018.

Samples Collected by

Analysed by

Scientist 'A'  
I/c Water Lab

Scientist 'B'  
Head Labs

**JAMMU & KASHMIR STATE POLLUTION CONTROL BOARD**  
**Parivesh Bhawan, Gladni, Transport Nagar, Narwal, Jammu -180006**  
**Water Laboratory**  
**Analysis Report (NWMP)**  
**December,2018**

*Report No.*  
*Dated:*

**General Information**

STATION CODE	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762
TYPE	R	R	R	R	R	R	R	R	R	W	W	W	W
LOCATION	Chadta Gaon View Point	Jai Patan Mandir after meeting with main drain of Akhnoor City	Samba(Below NH-1A Bridge) Basantar US (R.H.S.)	Samba (At Chak Manga Gujjar) Basantar D/S (R.H.S)	River Devak Udhampur (Near Shiv Mandir) L.H.S.	Banganga (Bathing Ghat), Katra.	Banganga (In front of Pony Shed Near Reasi Bridge ) Katra	River Devak at Utterbehni	River Ujh at Dam Site	Dug well at Gaghwal (Kathua Distt.)	Maladhar Talab (Pond)Hatli (Kathua)	Tube well Kathua SICOP Industrial Area Kathua	Gharana Wetland,R.s .Pura
RIVER	Chenab	Chenab	Basantar	Basantar	Devak	Banganga	Banganga	Devak	Ujh	Well	Pond	Well	Wetland
MONITORING FREQUENCY	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Half Yearly	Half Yearly	Half Yearly	Half Yearly
Date of Sample Collection	13/12/2018	13/12/2018	17/12/2018	17/12/2018	14/12/2018	14/12/2018	14/12/2018	17/12/2018	17/12/2018	17/12/2018	17/12/2018	17/12/2018	18/12/2018

**Field observations**

S. N	Parameter	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762
7.	Weather	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny
2	Approx. depth of main stream(m)	3-4	2-4	<1.0	<1.0	<1.0	<1.0	<1.0	-	3-4	-	1-2	-	1-2
3	Colour	Colourless	Colourless	Colourless	Colourless	Slightly greyish	Slightly pale	Slightly pale	Colourless	Colourless	Colourless	Light Green	Colourless	Turbid
4	Odour	Odourless	Odourless	Pungent	Pungent	Pungent	Odourless	Odourless	Odourless	Odourless	Odourless	Slightly Pungent	Odourless	Foul
5	Visible effluent discharge	Nil	Akhnoor Drain	-	U/s Industrial waste of Samba	Drains from the city	Nil	From Pony shed	Nil	Nil	Nil	Nil	Nil	Drains from residential area
6	Human activities around station	Supply to public via pump	Bathing,washing,performing religious activities	Bathing,Sand Lifting	Cattle Bathing and Sand Lifting	Bathing,Washing and religious purposes	Bathing and religious purposes	Bathing, washing	Bathing and religious purposes	Supply to public via irrigation canal	Drinking water supply	Bathing,washing,Cattle washing and other religious purposes	Bathing washing and drinking	Paddy cultivation
7	Temperature	7	7	15	15	15	14	14	15	14	16	17	16	16
8	D.O.	8.8	8.0	6.5	6.0	5.6	7.4	8.0	5.6	8.6	N.A.	8.0	N.A.	1.7

**Lab Analysis: Core Parameters**

S.N	Parameter	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762
	pH	7.75	7.50	8.40	8.35	7.10	8.45	8.40	7.40	8.39	7.30	7.25	7.20	7.80
	Conductivity (at 25 <sup>o</sup> )	224	224	408	520	630	456	498	470	345	440	315	385	1506
	BOD	0	<1.0	1.8	2.4	6.2	2.4	3.3	2.2	1.4	N.A.	2.7	N.A.	20
	Nitrate-N	*	*	*	*	*	*	*	*	*	*	*	*	*
	Nitrite-N	0.036	0.033	0.006	0.010	0.043	0.186	0.261	0	0	0	0.002	0.010	0.566

**General Parameters-**

S.	Parameter	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762
15.	Turbidity	12	11	7	8	15	8	10	25	5	4	7	4	100
16.	TDS	132	131	241	301	365	265	290	272	207	260	182	227	875
17.	Ammonical-N	0.084	0.147	0.435	4.075	7.75	0.639	0.973	0.067	0	0.012	0.113	0.181	6.96
18.	Phosphate-P	0.0075	0	0.031	0.135	0.152	0.048	0.103	0.100	0.010	0.012	0.002	0.053	0.221
19.	COD	<1.0	1.4	6.4	8.8	26.4	10	13.6	7.0	4	1.2	8.8	2.2	78
20.	Phenolphthalei n Alkalinity	0	0	24	28	0	40	28	0	24	0	0	0	0
21.	Total Alkalinity as CaCO <sub>3</sub>	104	104	208	220	248	216	232	200	192	220	132	100	572
22.	Hardness as CaCO <sub>3</sub>	122	122	154	164	186	224	240	208	158	216	116	136	434
23.	Calcium as CaCO <sub>3</sub>	72	72	104	112	136	102	108	140	108	160	70	90	240
24.	Magnesium as CaCO <sub>3</sub>	50	50	50	52	50	122	132	68	50	56	46	46	194
25.	Sodium	8.4	9.4	19.5	35.5	28.3	19.4	19.9	7.0	9.33	15.0	13.0	16.0	110
26.	Potassium	2.1	2.1	1.38	7.2	9.2	2.1	2.8	2.9	1.72	1.8	1.13	1.01	40.5
27.	Sulphate	57	58	14	15.3	43	25	27	29	9.37	.0	13.6	10.4	137
28.	Chloride	16	20	33	42	54	32	46	20	17	28	24	32	140

Note: 1.All the concentrations are expressed in mg/l except for pH & Conductivity (µS/cm), Turbidity (NTU).  
2.\* -UV-visible Spectrophotometer non-operational.

Samples Collected by

Analysts

Scientist 'A'  
I/c Water Lab

Scientist 'B'  
Head Labs



