

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Indus Basin (J&K)

2 River :Chenab

3 Site : Benzwar

4 Name & Location of Laboratory : LLevel II Laboratory ,Chenab Division, CWC, Jammu

5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 24 parameters, monthly

Water Quality Data

Parameter	Unit	Analysis of Data From 1999-2000 to 2002-03						Remarks
		Maximum Observed		Average		Minimum Observed		
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	
Q-	(Cumec)	1230	509	1051.5	271	873	84	Closed on 11.08.2003
PHYSICAL								
pH		8.1	7.7	7.85	7.5	7.6	7.3	
electrical Conductivity	(umho/cm.)	180	201	166	179.75	152	150	
Temp.	°C.	11.2	13.9	10.85	7.775	10.5	4.6	
CHEMICAL								
BORON	mg/l							
CALCIUM	mg/l	38	35	32.5	32.75	27	29	
MAGNESIUM	mg/l	9.6	9.7	8	7.725	6.4	5.9	
CHLORIDE	mg/l	15.2	19	14.1	14.95	13	12.3	
CARBONATE	mg/l	0	0	0	0	0	0	
BICARBONATE	mg/l	106	118	101	97.25	96	77	
SODIUM	mg/l							
POTASSIUM	mg/l							
FLUORIDE	mg/l							
IRON	mg/l		0.4		0.23		0.06	
NO2+NO3	(mg N/l)							
Ammonia-	N (mg N/l)	0	0.11		0.09		0.07	
Total-P	mg/l							
NITRITE-	N (mg N/l)		0.01		0.005		0	
NITRATE-	N (mg N/l)		0.1		0.085		0.07	
Phosphate	mg/l		0.021		0.013		0.005	
SILICATE	mg/l		29.4		20.2		11	
SULPHATE	mg/l	33.5	21.1	33.5	21.1	33.5	21.1	
Turbidity	NTU							
MANGANESE	mg/l		0		0		0	
COD	mg/l							
BOD	mg/l							
D.O.	mg/l	9.9	14	9.2	10.8	8.5	6.8	

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 **Basin: Indus Basin (J&K)**
- 2 **River :Tawi**
- 3 **Site :Jammu L/B**
- 4 **Name & Location of Laboratory : LLevel II Laboratory ,Chenab Division, CWC, Jammu**
- 5 **Type of Staion, Parameter and frequency of monitoring : Trend Station , 30 parameters, monthly**

Water Quality Data

Parameter	Unit	Analysis of Data From 1999-2000 to 2008-0910 Years						Last Year Average Nov08 to Oct09		Remarks
		Maximum Observed		Average		Minimum Observed		Monsoon	Non-Monsoon	
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon			
Q-	(Cumecc)	133.00	101.00	52.18	31.18	10.00	4.00	64.00	18.00	
PHYSICAL										
pH		8.50	8.30	7.85	7.79	7.50	7.30	7.60	7.75	
electrical Conductivity	(umho/cm.)	325.00	304.00	228.64	228.43	176.00	175.00	209.00	253.00	
Temp.	°C.	29.70	29.30	22.88	18.50	13.70	10.00	19.80	19.65	
CHEMICAL										
BORON	mg/l	0.30	0.10	0.20	0.07	0.03	0.03		0.07	
CALCIUM	mg/l	64.00	83.00	42.80	40.08	29.00	28.00		42.00	
MAGNESIUM	mg/l	21.90	24.80	13.20	13.92	8.10	8.70		17.20	
CHLORIDE	mg/l	23.00	18.70	13.27	13.04	7.20	7.10	12.50	12.90	
CARBONATE	mg/l	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
BICARBONATE	mg/l	190.00	213.00	151.20	160.63	114.00	111.00		191.50	
SODIUM	mg/l	9.60	12.50	8.20	8.90	6.80	4.70		9.45	
POTASSIUM mg/l	mg/l	3.20	3.80	2.60	1.98	2.00	1.40		1.55	
FLUORIDE	mg/l	0.38	0.35	0.38	0.17	0.38	0.06		0.16	
IRON	mg/l	0.30	0.30	0.23	0.16	0.10	0.10		0.15	
NO2+NO3	(mg N/l)	0.54	1.05	0.25	0.48	0.05	0.09	0.05	0.13	
Ammonia-	N (mg N/l)	0.10	1.21	0.05	0.28	0.00	0.10	0.08	0.11	
Total-P	mg/l	0.13	0.59	0.10	0.21	0.09	0.07	0.09	0.15	
NITRITE-	N (mg N/l)	0.02	0.03	0.02	0.02	0.02	0.01			
NITRATE-	N (mg N/l)	0.23	1.11	0.14	0.50	0.09	0.02			
Phosphate	mg/l	0.11	0.13	0.08	0.07	0.03	0.02			
SILICATE	mg/l	64.70	50.10	43.60	22.49	6.80	2.00	0.00	2.15	
SULPHATE	mg/l	24.20	12.80	12.97	9.62	5.90	5.90	0.00	11.25	
Turbidity	NTU	4.50	1.90	1.70	1.13	0.40	0.50	0.40	0.55	
MANGANESE	mg/l	0.82	0.22	0.41	0.03	0.00	0.00			
COD	mg/l	73.10	78.30	39.55	38.14	22.00	5.30	39.60	28.95	
BOD	mg/l	1.80	3.50	1.54	2.18	1.20	1.00	1.20	1.25	
D.O.	mg/l	7.80	10.60	7.09	7.83	5.90	6.40	0.00	7.10	
Biological/Bacteriological										
TOTAL COLIFORM	MPN/100 ml.	24.00	0.00	24.00		24.00	0.00	24.00		
FECAL COLIFORM MPN/100 ml	MPN/100 ml	2.00	0.00	2.00		2.00	0.00	2.00		
PESTICIDES										
DDT	ppb	0.00	1149.05		579.68	0.00	10.30			
Endosulfan	ppb	0.00	50.63		50.63	0.00	50.63			
TOC		7.34	3.41	7.34	2.93	7.34	2.49			

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 **Basin: Indus Basin (J&K)**
- 2 **River :Chenab**
- 3 **Site : Akhnoor**
- 4 **Name & Location of Laboratory : LLevel II Laboratory ,Chenab Division, CWC, Jammu**
- 5 **Type of Staion, Parameter and frequency of monitoring : Trend Station , 24 parameters, monthly**

Water Quality Data

Parameter	Unit	Analysis of Data From 1999-2000 to 2008-0910 Years						Last Year Average		Remarks
		Maximum Observed		Average		Minimum Observed		Nov08 to Oct09		
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	
Q-	(Cumec)	1790	964	1160	411.4	527	131	1020	317.5	
PHYSICAL										
pH		8.10	8.70	7.90	7.90	7.60	7.40	7.90	7.70	
electrical Conductivity	(umho/cm.)	232.00	265.00	164.45	180.22	110.00	106.00	132.00	136.00	
Temp.	°C.	23.50	20.90	17.53	13.13	12.00	8.80	16.80	13.75	
CHEMICAL										
BORON	mg/l	0.42	0.29	0.22	0.07	0.01	0.02		0.06	
CALCIUM	mg/l	43.00	58.00	30.40	32.00	20.00	21.00		26.50	
MAGNESIUM	mg/l	10.80	14.20	8.68	8.13	7.20	2.70		7.00	
CHLORIDE	mg/l	17.20	15.90	7.87	8.55	2.00	2.50	5.70	4.95	
CARBONATE	mg/l	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BICARBONATE	mg/l	118.00	157.00	85.40	88.13	57.00	48.00		82.00	
SODIUM	mg/l	3.10	8.10	2.55	3.68	2.00	1.60		3.10	
POTASSIUM mg/l	mg/l	2.70	3.00	2.45	1.49	2.20	0.30		0.30	
FLUORIDE	mg/l	0.22	0.31	0.22	0.11	0.22	0.00		0.06	
IRON	mg/l	1.10	0.40	0.77	0.14	0.40	0.00		0.10	
NO2+NO3	(mg N/l)	0.21	0.22	0.07	0.08	0.02	0.02	0.02	0.06	
Ammonia-	N (mg N/l)	0.53	0.18	0.11	0.04	0.00	0.00	0.04	0.03	
Total-P	mg/l	0.05	0.24	0.04	0.06	0.02	0.02	0.02	0.04	
NITRITE-	N (mg N/l)	0.01	0.01	0.01	0.01	0.01	0.00			
NITRATE-	N (mg N/l)	0.77	0.86	0.27	0.36	0.01	0.05			
Phosphate	mg/l	0.09	0.08	0.08	0.04	0.04	0.01			
SILICATE	mg/l	61.30	46.60	32.20	18.03	3.10	0.60		0.70	
SULPHATE	mg/l	36.70	37.70	28.50	26.15	19.10	19.60		20.05	
Turbidity	NTU	5.60	4.30	2.08	1.37	0.40	0.30	0.40	0.55	
MANGANESE	mg/l	0.44	0.06	0.22	0.01	0.00	0.00			
COD	mg/l	21.80	34.20	12.03	13.13	7.80	5.90	9.90	9.35	
BOD	mg/l	2.50	2.50	1.00	1.16	0.50	0.60	0.50	0.60	
D.O.	mg/l	10.60	11.30	8.98	9.79	5.00	8.40	9.20	8.65	
Biological/Bacteriological										
TOTAL COLIFORM	MPN/100 ml.	3.00		3.00		3.00	0.00	3.00		
FECAL COLIFORM MPN	MPN/100 ml	0.00				0.00	0.00	<2		
PESTICIDES										
DDT	ppb		143.03		143.03	0.00	143.03			
Endosulfan	ppb		0.00			0.00	0.00			
TOC		2.24	1.70	2.24	1.49	2.24	1.38			

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Indus Basin (J&K)

2 River :Bhaga

3 Site : Tandi

4 Name & Location of Laboratory : LLevel II Laboratory ,Chenab Division, CWC, Jammu

5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 24 parameters, monthly

Water Quality Data

Parameter	Unit	Analysis of Data From 1999-2000 to 2008-0910 Years						Last Year Average Nov08 to Oct09		Remarks
		Maximum Observed		Average		Minimum Observed		Monsoon	Non-Monsoon	
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon			
Q-	(Cumec)	198	61	120.7	29.16666667	89	13	111	24	
PHYSICAL										
pH		7.7	7.8	7.53	7.082352941	7.1	6.3	7.4	6.6	
electrical Conductivity	(umho/cm.)	214	256	141.2	162.7647059	96	109	117	228	
Temp.	°C.	17.1	16	7.36	2.027777778	4	-4.7	6	1.9	
CHEMICAL										
BORON	mg/l	0.62	0.07	0.315	0.033333333	0.01	0		0.07	
CALCIUM	mg/l	42	33	30.4	24.4	20	12		29	
MAGNESIUM	mg/l	9.8	13.5	8.34	7.82	7.3	3.4		8.9	
CHLORIDE	mg/l	17.4	13.7	7.388889	5.48	2	2	4.8	5.8	
CARBONATE	mg/l	0	0	0	0	0	0		0	
BICARBONATE	mg/l	125	90	85.4	69.1	57	32		90	
SODIUM	mg/l	3.5	3.9	2.7	2.128571429	1.9	1.2		3.9	
POTASSIUM mg/l	mg/l	1.8	1.5	1.55	0.771428571	1.3	0.2		0.3	
FLUORIDE	mg/l	0.27	0.36	0.27	0.088333333	0.27	0		0.05	
IRON	mg/l	1.4	0.2	0.85	0.15	0.3	0.1		0.1	
NO2+NO3	(mg N/l)	0.19	0.03	0.0625	0.0175	0.01	0.01	0.01	0.01	
Ammonia-	N (mg N/l)	0.04	0.04	0.014	0.024	0	0.01	0.04	0.04	
Total-P	mg/l	0.06	0.186	0.0295	0.0714	0.015	0.034	0.015	0.038	
NITRITE-	N (mg N/l)	0.01	0	0.01	#DIV/0!	0.01	0			
NITRATE-	N (mg N/l)	0.73	0.36	0.5	0.36	0.27	0.36			
Phosphate	mg/l	0.066	0.075	0.066	0.075	0.066	0.075			
SILICATE	mg/l	28.6	3.4	15.65	1.95	2.7	0.5		0.5	
SULPHATE	mg/l	65	35.6	39.225	24.45	29.2	14.8		15.8	
Turbidity	NTU	2.5	5.6	1.275	1.94	0.7	0.3	0.7	1.1	
MANGANESE	mg/l	0	0	0	0	0	0			
COD	mg/l									
BOD	mg/l									
D.O.	mg/l	7.8	8.3	6.1	6.775	4.3	4.9	5	6.3	
Biological/Bacteriological										
TOTAL COLIFORM	MPN/100 ml.									
FECAL COLIFORM MPN/100 ml	MPN/100 ml									
PESTICIDES										
DDT	ppb		169.57		169.57		169.57			
Endosulfan	ppb									
TOC		1.309	1.28	1.309	1.28	1.309	1.28			

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 Basin: Indus Basin (J&K)
 2 River :Chanderbhaga
 3 Site : Udaipur
 4 Name & Location of Laboratory : LLevel II Laboratory ,Chenab Division, CWC, Jammu
 5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 27 parameters, monthly

Water Quality Data

Parameter	Unit	Analysis of Data From 1999-2000 to 2008-0910 Years						Last Year Average Nov08 to Oct09		Remarks
		Maximum Observed		Average		Minimum Observed		Monsoon	Non-Monsoon	
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon			
Q-	(Cumec)	606.00	319.00	525.00	132.39	439.00	50.00	579.00	137.50	
PHYSICAL										
pH		7.80	7.50	7.49	7.02	6.90	6.60	7.10	6.80	
electrical Conductivity	(umho/cm.)	202.00	244.00	130.90	162.29	99.00	91.00	123.00	232.00	
Temp.	°C.	17.00	14.90	8.60	3.84	6.10	0.70	7.40	2.65	
CHEMICAL										
BORON	mg/l	0.43	0.07	0.22	0.04	0.01	0.00		0.07	
CALCIUM	mg/l	40.00	35.00	28.80	23.70	18.00	15.00		29.00	
MAGNESIUM	mg/l	12.00	29.00	8.46	9.99	5.10	3.10		7.90	
CHLORIDE	mg/l	16.80	15.70	7.36	6.13	2.10	1.50	5.20	6.30	
CARBONATE	mg/l	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
BICARBONATE	mg/l	124.00	111.00	84.20	70.00	46.00	28.00		90.00	
SODIUM	mg/l	2.60	4.10	2.35	2.01	2.10	0.80		4.10	
POTASSIUM mg/l	mg/l	2.70	1.50	2.10	0.76	1.50	0.20		0.30	
FLUORIDE	mg/l	0.23	0.14	0.23	0.06	0.23	0.00		0.06	
IRON	mg/l	1.80	0.20	1.15	0.13	0.50	0.10		0.10	
NO2+NO3	(mg N/l)	0.19	0.02	0.07	0.02	0.02	0.01	0.02	0.01	
Ammonia-	N (mg N/l)	0.04	0.04	0.01	0.02	0.00	0.00	0.04	0.04	
Total-P	mg/l	0.06	0.23	0.03	0.08	0.02	0.03	0.02	0.04	
NITRITE-	N (mg N/l)	0.01	0.00	0.01	0.00	0.01	0.00			
NITRATE-	N (mg N/l)	0.81	0.54	0.55	0.54	0.29	0.54			
Phosphate	mg/l	0.05	0.07	0.05	0.07	0.05	0.07			
SILICATE	mg/l	81.80	53.00	43.05	19.40	4.30	0.60		0.60	
SULPHATE	mg/l	36.70	28.00	27.40	22.06	18.20	16.40		16.40	
Turbidity	NTU	5.50	5.90	2.05	2.08	0.70	0.20	0.70	1.10	
MANGANESE	mg/l	0.20	0.00	0.20	0.00	0.20	0.00			
COD	mg/l									
BOD	mg/l									
D.O.	mg/l	9.90	9.20	7.14	7.76	4.80	4.90	5.80	7.60	
Biological/Bacteriological										
TOTAL COLIFORM	MPN/100 ml.									
FECAL COLIFORM M	MPN/100 ml									
PESTICIDES										
DDT	ppb		13.08		13.08		13.08			
Endosulfan	ppb		0.00							
TOC		2.16	1.00	2.16	1.00	2.16	1.00			

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 Basin: Indus Basin (J&K)
 2 River :Jhelum
 3 Site : Sangam
 4 Name & Location of Laboratory : LLevel II Laboratory ,Chenab Division, CWC, Jammu
 5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 24 parameters, monthly

Water Quality Data

Parameter	Unit	Analysis of Data From 1999-2000 to 2008-09						Last Year Average Nov08 to Oct09		Remarks
		Maximum Observed		Average		Minimum Observed		Monsoon	Non-Monsoon	
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon			
Q-	(Cumec)	142.00	295.00	76.89	90.06	39.00	26.00	69.00	73.50	
PHYSICAL										
pH		8.00	7.90	7.60	7.61	7.40	7.40	7.60	7.60	
electrical Conductivity	(umho/cm.)	230.00	274.00	193.67	210.50	173.00	148.00	230.00	231.00	
Temp.	°C.	22.70	17.80	17.60	10.32	14.30	5.30	15.50	8.80	
CHEMICAL										
BORON	mg/l	1.18	0.10	0.62	0.07	0.05	0.02		0.08	
CALCIUM	mg/l	53.00	52.00	39.40	39.56	30.00	28.00		45.00	
MAGNESIUM	mg/l	12.40	17.50	9.94	11.00	8.10	6.70		12.10	
CHLORIDE	mg/l	18.20	18.70	11.52	11.59	5.30	5.50	9.50	13.35	
CARBONATE	mg/l	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
BICARBONATE	mg/l	164.00	221.00	138.20	150.50	113.00	111.00		186.00	
SODIUM	mg/l	8.30	12.30	6.10	6.73	3.90	3.20		8.70	
POTASSIUM mg/l	mg/l	1.20	2.90	0.95	1.33	0.70	0.70		0.80	
FLUORIDE	mg/l	0.58	0.30	0.58	0.18	0.58	0.03		0.18	
IRON	mg/l	0.30	1.40	0.20	0.43	0.10	0.10		0.20	
NO2+NO3	(mg N/l)	0.34	0.46	0.16	0.20	0.08	0.06	0.08	0.12	
Ammonia-	N (mg N/l)	0.08	0.49	0.04	0.09	0.00	0.02	0.08	0.08	
Total-P	mg/l	0.12	0.11	0.08	0.08	0.06	0.07	0.08	0.07	
NITRITE-	N (mg N/l)	0.03	0.01	0.03	0.01	0.03	0.01			
NITRATE-	N (mg N/l)	0.46	1.47	0.29	0.72	0.11	0.09			
Phosphate	mg/l	0.08	0.08	0.06	0.04	0.04	0.01			
SILICATE	mg/l	34.30	53.00	20.65	18.50	7.00	0.50		0.90	
SULPHATE	mg/l	15.00	12.30	10.53	5.88	7.70	1.40		2.55	
Turbidity	NTU	0.40	2.80	0.33	0.64	0.30	0.20	0.40	0.20	
MANGANESE	mg/l	0.00	0.40	0.00	0.10	0.00	0.00			
COD	mg/l	31.70	72.20	26.03	39.59	13.40	20.90	31.70	28.30	
BOD	mg/l	2.00	5.80	1.58	2.14	1.00	1.20	1.50	1.25	
D.O.	mg/l	8.20	9.30	7.00	8.35	6.40	7.50	8.20	8.70	
Biological/Bacteriological										
TOTAL COLIFORM	MPN/100 ml.	31.00		31.00		31.00		31.00		
FECAL COLIFORM MPN/100 ml	MPN/100 ml	4.00		4.00		4.00		4.00		

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 **Basin: Indus Basin (J&K)**
- 2 **River :Jhelum**
- 3 **Site : Ram Munshibagh**
- 4 **Name & Location of Laboratory : LLevel II Laboratory ,Chenab Division, CWC, Jammu**
- 5 **Type of Staion, Parameter and frequency of monitoring : Trend Station , 24 parameters, monthly**

Water Quality Data

Parameter	Unit	Analysis of Data From 1999-2000 to 2008-0910 Years						Last Year Average Nov08 to Oct09		Remarks
		Maximum Observed		Average		Minimum Observed		Monsoon	Non-Monsoon	
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon			
Q-	(Cumec)	202.00	253.00	101.89	96.75	49.00	26.00	106.00	101.00	
PHYSICAL										
pH		8.00	7.90	7.58	7.65	7.00	7.30	7.70	7.65	
electrical Conductivity	(umho/cm.)	240	276	197	212	161	148	240	232	
Temp.	°C.	23.00	17.00	19.72	10.19	13.50	5.00	18.30	9.90	
CHEMICAL										
BORON	mg/l	0.04	0.13	0.04	0.07	0.04	0.02		0.08	
CALCIUM	mg/l	53.00	50.00	38.60	39.38	30.00	30.00		43.50	
MAGNESIUM	mg/l	12.50	16.30	10.14	10.91	7.70	6.80		11.70	
CHLORIDE	mg/l	19.30	18.90	12.41	11.86	5.80	4.40	10.20	14.75	
CARBONATE	mg/l	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
BICARBONATE	mg/l	160.00	221.00	138.00	147.38	122.00	106.00		179.00	
SODIUM	mg/l	10.20	12.70	6.90	7.04	3.60	3.20		9.45	
POTASSIUM mg/l	mg/l	1.90	1.90	1.45	1.41	1.00	0.70		0.80	
FLUORIDE	mg/l	0.62	0.47	0.62	0.17	0.62	0.02		0.17	
IRON	mg/l	0.10	0.40	0.05	0.18	0.00	0.10		0.15	
NO2+NO3	(mg N/l)	0.36	0.56	0.19	0.26	0.10	0.13	0.10	0.14	
Ammonia-	N (mg N/l)	0.11	0.11	0.04	0.06	0.00	0.00	0.11	0.09	
Total-P	mg/l	0.16	0.13	0.09	0.09	0.06	0.06	0.08	0.08	
NITRITE-	N (mg N/l)	0.01	0.01	0.01	0.01	0.01	0.01			
NITRATE-	N (mg N/l)	0.98	1.24	0.54	0.76	0.09	0.10			
Phosphate	mg/l	0.09	0.08	0.05	0.04	0.01	0.01			
SILICATE	mg/l	61.80	46.50	34.50	16.53	7.20	0.60		0.95	
SULPHATE	mg/l	18.00	14.20	10.53	6.38	3.80	1.40		2.70	
Turbidity	NTU	0.40	4.40	0.28	0.93	0.20	0.20	0.40	0.25	
MANGANESE	mg/l	0.26	0.42	0.26	0.07	0.26	0.00			
COD	mg/l	46.50	72.20	34.63	47.03	23.00	25.50	37.60	29.80	
BOD	mg/l	2.10	3.10	1.54	1.77	0.60	1.20	1.70	1.35	
D.O.	mg/l	8.40	10.50	7.11	8.22	6.20	6.80	7.50	10.05	
Biological/Bacteriological										
TOTAL COLIFORM	MPN/100 ml.	60.00		60.00		60.00		60.00		
FECAL COLIFORM MPN/100 ml	MPN/100 ml	6.00		6.00		6.00		6.00		

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Indus Basin (J&K)

2 River :Chenab

3 Site : Dhamkund

4 Name & Location of Laboratory : LLevel II Laboratory ,Chenab Division, CWC, Jammu

5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 24 parameters, monthly

Water Quality Data

Parameter	Unit	Analysis of Data From 1999-2000 to 2008-09						Last Year Average Nov08 to Oct09		Remarks
		Maximum Observed		Average		Minimum Observed		Monsoon	Non-Monsoon	
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon			
Q-	(Cumec)	2051.00	1525.00	1436.25	521.93	1096.00	197.00	1099.00	422.00	
PHYSICAL										
pH		7.90	7.90	7.73	7.69	7.60	7.30	7.60	7.65	
electrical Conductivity	(umho/cm.)	207	216	138	159	113	102	131	129	
Temp.	°C.	14.50	12.70	13.09	9.55	11.80	6.30	12.80	10.40	
CHEMICAL										
BORON	mg/l	0.04	0.17	0.04	0.06	0.04	0.02		0.05	
CALCIUM	mg/l	40.00	45.00	26.75	28.53	17.00	20.00		26.00	
MAGNESIUM	mg/l	9.70	9.40	7.55	7.16	5.90	4.70		5.75	
CHLORIDE	mg/l	16.50	16.40	6.81	7.44	2.50	2.30	5.80	4.40	
CARBONATE	mg/l	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
BICARBONATE	mg/l	130.00	138.00	89.50	84.53	54.00	55.00		77.50	
SODIUM	mg/l	2.60	7.70	2.50	3.37	2.40	1.60		2.90	
POTASSIUM mg/l	mg/l	2.40	3.20	2.15	1.51	1.90	0.40		0.40	
FLUORIDE	mg/l	0.22	0.35	0.22	0.08	0.22	0.01		0.04	
IRON	mg/l	0.20	0.10	0.20	0.10	0.20	0.10		0.10	
NO2+NO3	(mg N/l)	0.16	0.14	0.06	0.05	0.03	0.02	0.03	0.06	
Ammonia-	N (mg N/l)	0.04	0.04	0.02	0.02	0.00	0.00	0.04	0.02	
Total-P	mg/l	0.08	0.27	0.04	0.06	0.02	0.01	0.02	0.02	
NITRITE-	N (mg N/l)									
NITRATE-	N (mg N/l)	0.40	0.96	0.40	0.69	0.40	0.49			
Phosphate	mg/l	0.06	0.08	0.06	0.07	0.06	0.06			
SILICATE	mg/l	3.20	3.40	3.20	1.90	3.20	0.50	0.00	0.55	
SULPHATE	mg/l	32.70	36.20	24.43	26.20	15.60	16.60	0.00	17.70	
Turbidity	NTU	2.50	4.70	1.25	1.17	0.70	0.30	0.70	0.40	
MANGANESE	mg/l	0.20	0.64	0.20	0.27	0.20	0.00			
COD	mg/l									
BOD	mg/l									
D.O.	mg/l	13.30	13.00	11.83	12.17	10.80	10.50	10.80	11.65	

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Indus Basin (J&K)

2 River :Chenab

3 Site : Prem nagar

4 Name & Location of Laboratory : LLevel II Laboratory ,Chenab Division ,CWC, Jammu

5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 24 parameters, monthly

Water Quality Data

Parameter	Unit	Analysis of Data From 1999-2000 to 2008-09						Last Year Average Nov08 to Oct09		Remarks
		Maximum Observed		Average		Minimum Observed		Monsoon	Non-Monsoon	
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon			
Q-	(Cumec)	1471.00	847.00	1147.63	344.73	796.00	107.00	1151.00	326.00	
PHYSICAL										
pH		8.00	7.90	7.63	7.68	7.20	7.30	7.60	7.65	
electrical Conductivity	(umho/cm.)	192	224	135	157	111	99	127	122	
Temp.	°C.	13.00	14.10	10.85	7.69	9.30	3.50	11.00	8.15	
CHEMICAL										
BORON	mg/l	0.02	0.16	0.02	0.05	0.02	0.02	-	0.05	
CALCIUM	mg/l	38.00	46.00	26.50	27.60	18.00	18.00	-	25.50	
MAGNESIUM	mg/l	8.30	9.00	7.13	7.15	5.60	3.70	-	5.10	
CHLORIDE	mg/l	15.90	15.10	6.89	7.10	2.40	2.30	5.70	4.10	
CARBONATE	mg/l	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	
BICARBONATE	mg/l	123.00	142.00	86.50	82.60	51.00	54.00	-	75.50	
SODIUM	mg/l	2.60	8.40	2.60	3.31	2.60	1.50	-	2.75	
POTASSIUM	mg/l	2.50	3.10	2.25	1.43	2.00	0.30	-	0.30	
FLUORIDE	mg/l	0.19	0.28	0.19	0.09	0.19	0.00	-	0.03	
IRON	mg/l	0.30	0.10	0.30	0.10	0.30	0.10	-	0.10	
NO2+NO3	(mg N/l)	0.18	0.17	0.07	0.05	0.02	0.01	0.02	0.05	
Ammonia-	N (mg N/l)	0.04	0.02	0.02	0.01	0.00	0.00	0.04	0.02	
Total-P	mg/l	0.08	0.20	0.04	0.05	0.02	0.01	0.02	0.02	
NITRITE-	N (mg N/l)							-		
NITRATE-	N (mg N/l)	0.38	0.90	0.38	0.50	0.38	0.27	-		
Phosphate	mg/l	0.09	0.09	0.09	0.07	0.09	0.05	-		
SILICATE	mg/l	3.40	3.90	3.40	1.90	3.40	0.50	0.00	0.50	
SULPHATE	mg/l	33.30	35.10	24.80	25.04	16.40	16.10	0.00	17.15	
Turbidity	NTU	5.20	2.90	1.95	0.93	0.70	0.30	0.70	0.45	
MANGANESE	mg/l	0.00	0.00		0.00	0.00	0.00			
COD	mg/l									
BOD	mg/l									
D.O.	mg/l	11.30	12.50	10.49	11.31	8.50	8.70	10.20	11.60	

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Indus Basin (J&K)

2 River :Jhelum

3 Site : Kralpora

4 Name & Location of Laboratory : LLevel II Laboratory ,Chenab Division, CWC, Jammu

5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 24 parameters, monthly

[Water Quality Data](#)

Parameter	Unit	Analysis of Data From 1999-2000 to 2008-09						Last Year Average Nov08 to June 09		Remarks
		Maximum Observed		Average		Minimum Observed		Monsoon	Non-Monsoon	
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon			
Q-	(Cumec)	30.00	23.00	18.33	12.62	9.00	4.04	18.00	9.50	Closed on June 2009
PHYSICAL										
pH		8.10	7.90	7.60	7.63	7.20	7.40	7.30	7.60	
electrical Conductivity	(umho/cm.)	355	422	281	265	215	176	278	269	
Temp.	°C.	20.00	13.50	18.12	7.78	16.30	3.30	20.00	5.75	
CHEMICAL										
BORON	mg/l	0.11	0.21	0.11	0.09	0.11	0.01		0.09	
CALCIUM	mg/l	62.00	70.00	44.00	46.83	30.00	33.00		51.50	
MAGNESIUM	mg/l	25.20	23.60	14.63	13.14	7.60	7.20		11.85	
CHLORIDE	mg/l	16.90	25.80	12.15	12.95	8.00	4.90	14.90	15.65	
CARBONATE	mg/l	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
BICARBONATE	mg/l	224.00	242.00	184.33	181.67	155.00	132.00		206.00	
SODIUM	mg/l	11.90	15.10	8.85	8.11	5.80	3.90		10.50	
POTASSIUM	mg/l	1.60	2.90	1.45	1.83	1.30	1.10		1.30	
FLUORIDE	mg/l	0.40	0.41	0.40	0.21	0.40	0.08		0.25	
IRON	mg/l	0.30	0.30	0.30	0.23	0.30	0.20		0.25	
NO2+NO3	(mg N/l)	0.32	0.75	0.25	0.37	0.13	0.13	0.13	0.14	
Ammonia-	N (mg N/l)	0.08	0.29	0.06	0.13	0.05	0.05	0.05	0.11	
Total-P	mg/l	0.12	0.12	0.08	0.09	0.04	0.05	0.04	0.06	
NITRITE-	N (mg N/l)									
NITRATE-	N (mg N/l)	1.04	1.00	1.04	0.78	1.04	0.61			
Phosphate	mg/l	0.09	0.13	0.09	0.11	0.09	0.08			
SILICATE	mg/l	7.60	9.60	7.60	4.13	7.60	1.50	0.00	1.55	
SULPHATE	mg/l	16.20	11.30	9.33	5.86	4.70	1.30	0.00	2.15	
Turbidity	NTU	0.70	4.50	0.43	0.87	0.30	0.10	0.30	0.20	
MANGANESE	mg/l	0.00	0.00		0.00	0.00	0.00			
COD	mg/l	57.30	86.10	35.53	44.51	15.70	27.50	15.70	27.50	
BOD	mg/l	2.20	3.90	1.48	2.14	0.60	1.60	0.60	1.60	
D.O.	mg/l	8.30	10.70	7.22	8.73	6.10	6.40	8.30	10.60	

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Indus Basin (J&K)

2 River :Jhelum

3 Site : Saffapora

4 Name & Location of Laboratory : LLevel II Laboratory ,Chenab Division, CWC, Jammu

5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 24 parameters, monthly

Water Quality Data

Parameter	Unit	Analysis of Data From 1999-2000 to 2008-09						Last Year Average		Remarks
		Maximum Observed		Average		Minimum Observed		Nov08 to June 09		
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	
Q-	(Cumec)	315.00	292.00	204.17	146.67	94.00	54.00	163.00	111.50	
PHYSICAL										
pH		8.10	7.90	7.63	7.59	7.30	7.30	7.70	7.70	
electrical Conductivity	(umho/cm.)	248	323	204	233	158	170	248	259	
Temp.	°C.	22.80	17.90	18.55	9.95	14.50	6.50	17.30	7.25	
CHEMICAL										
BORON	mg/l	0.04	0.11	0.04	0.07	0.04	0.01		0.09	
CALCIUM	mg/l	53.00	63.00	38.25	40.87	32.00	31.00		48.00	
MAGNESIUM	mg/l	11.60	20.80	10.33	11.98	8.20	4.80		11.50	
CHLORIDE	mg/l	21.70	26.50	12.15	13.25	5.70	3.90	10.50	15.95	
CARBONATE	mg/l	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
BICARBONATE	mg/l	179.00	223.00	141.75	156.13	120.00	101.00		192.50	
SODIUM	mg/l	8.30	14.80	6.25	7.86	4.20	3.20		11.50	
POTASSIUM	mg/l	3.70	2.60	2.30	1.64	0.90	1.00		1.40	
FLUORIDE	mg/l	0.56	0.44	0.56	0.22	0.56	0.08		0.28	
IRON	mg/l	0.10	0.50	0.10	0.28	0.10	0.10		0.25	
NO2+NO3	(mg N/l)	0.35	0.77	0.20	0.38	0.08	0.14	0.11	0.15	
Ammonia-	N (mg N/l)	0.12	0.17	0.06	0.11	0.00	0.05	0.12	0.12	
Total-P	mg/l	0.15	0.11	0.09	0.10	0.05	0.08	0.11	0.08	
NITRITE-	N (mg N/l)		0.00		0.00		0.00			
NITRATE-	N (mg N/l)	0.71	1.35	0.71	0.93	0.71	0.25			
Phosphate	mg/l	0.10	0.16	0.10	0.09	0.10	0.01			
SILICATE	mg/l	6.00	68.10	6.00	16.68	6.00	1.30	0.00	1.60	
SULPHATE	mg/l	17.10	21.00	13.17	8.88	8.00	1.30	0.00	2.70	
Turbidity	NTU	0.40	3.30	0.30	0.73	0.20	0.10	0.40	0.30	
MANGANESE	mg/l	0.55	0.07	0.55	0.01	0.55	0.00			
COD	mg/l	58.30	68.40	36.40	42.00	19.60	26.30	47.50	30.15	
BOD	mg/l	2.00	3.70	1.56	1.96	1.20	1.50	2.00	1.55	
D.O.	mg/l	7.90	10.00	7.01	7.53	6.10	6.20	7.40	9.20	
Biological/Bacteriological										
TOTAL COLIFORM	MPN/100 ml.	55.00		55.00		55.00		55.00		
FECAL COLIFORM MPN/100 ml	MPN/100 ml	6.00		6.00		6.00		6.00		