

**STATEWISE/BASINWISE INFORMATION ON WATER QUALITY**

**1 Basin: Brahmaputra & Barak Basin**

**2 River :Brahmaputra**

**3 Site : Dibrugarh**

**4 Name & Location of Laboratory : Upper Brahmaputra Division Water Quality Lab Level-II Dibrugarh**

**5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 15 parameters, monthly**

Water Quality Data

Parameter	Unit	Analysis of data from 2004-05 to 2008-09						Last year average		Remarks
		Maximum observed		Average		Minimum observed		2009		
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	
<b>PHYSICAL</b>										
Conductivity	µmho/cm	164	360	122	182	49	107	126	150	
pH		7.89	8.53	7.64	7.73	7.10	7.11	7.78	7.57	
TDS	mg/l	430.00	480.00	215.96	210.36	63.50	62.40	-	76.15	
Turbidity	(NTU)	4.24	5.50	2.25	1.45	0.35	0.21	2.27	0.30	
<b>CHEMICAL</b>										
Calcium	mg/l	24.08	55.00	16.16	24.37	4.00	7.80	18.92	16.46	
Chloride	mg/l	19.88	27.80	9.68	10.60	1.49	3.20	7.00	8.28	
carbonate	mg/l	0.90	9.60	0.16	1.41	0.00	0.00	0.00	1.93	
Bicarbonate	mg/l	122.00	135.00	64.96	64.50	23.46	24.40	70.76	49.49	
Pottasium	mg/l	3.20	3.20	1.54	1.46	0.17	0.39	0.69	1.58	
Magnesium	mg/l	10.56	13.42	6.65	4.21	3.96	0.26	6.19	5.61	
Sodium	mg/l	1.70	4.70	1.31	2.81	0.70	1.10	1.54	3.39	
sulphate	mg/l	2.90	7.50	1.67	2.67	0.90	1.00	-	-	
Iron	mg/l	-	-	-	-	-	-	-	-	
Phosphate	mg/l	-	-	-	-	-	-	-	-	
Fluoride	mg/l	-	-	-	-	-	-	-	-	
Nitrate	mg/l	-	-	-	-	-	-	-	-	
Boron	mg/l	-	-	-	-	-	-	-	-	
<b>CHEMICAL INDICES</b>										
SAR		0.50	0.50	0.14	0.14	0.03	0.06	0.08	0.19	
Hardness	no.	99.00	128.42	65.70	76.43	10.00	32.00	72.75	64.22	

**STATEWISE/BASINWISE INFORMATION ON WATER QUALITY**

**1 Basin: Brahmaputra & Barak Basin**

**2 River :Brahmaputra**

**3 Site : Neamatighat**

**4 Name & Location of Laboratory : Upper Brahmaputra Division Water Quality Lab Level-II Dibrugarh**

**5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 15 parameters, monthly**

[Water Quality Data](#)

Parameter	Unit	Analysis of data from 2004-05 to 2008-09						Last year average		Remarks
		Maximum observed		Average		Minimum observed		2009		
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	
<b>PHYSICAL</b>										
Conductivity	µmho/cm	144	280	98	185	59	80	79	258	
pH		8.40	8.10	7.26	7.51	6.65	6.70	6.80	7.09	
TDS	mg/l	420.00	400.00	186.92	227.21	42.00	100.00	52.50	172.50	
Turbidity	(NTU)	4.60	6.90	1.81	2.01	0.55	0.44	1.18	0.62	
<b>CHEMICAL</b>										
Calcium	mg/l	17.20	72.20	12.07	26.02	4.80	5.60	11.18	12.94	
Chloride	mg/l	19.88	29.80	10.30	11.88	1.49	1.07	8.00	7.77	
carbonate	mg/l	1.20	6.00	0.12	0.85	0.00	0.00	0.00	3.03	
Bicarbonat	mg/l	73.20	184.00	46.98	74.34	14.50	26.24	50.02	41.61	
Pottasium	mg/l	3.08	5.85	1.46	1.65	0.03	0.31	0.65	3.88	
Magnesium	mg/l	11.35	41.40	5.52	7.87	0.12	0.78	7.74	4.08	
Sodium	mg/l	2.96	10.05	1.57	3.71	0.39	1.50	2.53	6.95	
sulphate	mg/l	3.02	2.78	1.66	1.79	0.10	1.00	-	-	
Iron	mg/l	0.43	0.48	0.29	0.34	0.20	0.14	-	-	
Phosphate	mg/l	0.53	0.44	0.31	0.30	0.12	0.10	-	-	
Fluoride	mg/l	-	-	-	-	-	-	-	-	
Nitrate	mg/l	-	-	-	-	-	-	-	-	
Boron	mg/l	-	-	-	-	-	-	-	-	
<b>CHEMICAL INDICES</b>										
SAR		0.20	0.78	0.10	0.21	0.02	0.08	0.15	0.50	
Hardness	no.	76.95	210.00	55.64	89.24	16.00	20.00	60.69	82.00	

**STATEWISE/BASINWISE INFORMATION ON WATER QUALITY**

**1 Basin: Brahmaputra & Barak Basin**

**2 River :Brahmaputra**

**3 Site : Tezpur**

**4 Name & Location of Laboratory : Upper Brahmaputra Division Water Quality Lab Level-II Dibrugarh**

**5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 15 parameters, monthly**

Water Quality Data

Parameter	Unit	Analysis of data from 2004-05 to 2008-09						Last year average		Remark
		Maximum observed		Average		Minimum observed		2009		
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	
<b>PHYSICAL</b>										
Conductivity	µmho/cm	160	237	100	159	39	90	102	176	
pH		7.94	7.90	7.33	7.35	6.85	6.80	7.40	7.28	
TDS	mg/l	310	300	157	184	58	81	68	118	
Turbidity	(NTU)	9.75	6.11	3.25	1.83	0.25	0.18	1.16	0.97	
<b>CHEMICAL</b>										
Calcium	mg/l	24.00	53.00	15.17	24.70	6.20	7.00	18.06	21.25	
Chloride	mg/l	18.00	28.74	9.76	11.63	4.97	3.20	9.00	7.27	
carbonate	mg/l	0.30	4.80	0.04	0.43	0.00	0.00	0.00	2.43	
Bicarbonat	mg/l	158.60	146.00	60.90	67.80	20.10	15.56	62.22	54.69	
Pottasium	mg/l	1.99	2.15	1.22	1.30	0.12	0.40	0.87	1.83	
Magnesium	mg/l	12.38	24.96	5.29	5.69	0.60	0.36	6.71	6.63	
Sodium	mg/l	2.14	5.80	1.53	3.10	0.21	0.90	1.87	3.22	
sulphate	mg/l	2.78	7.90	1.57	2.25	0.80	0.20	-	-	
Iron	mg/l	0.02	0.06	0.01	0.02	0.01	0.01	-	-	
Phosphate	mg/l	0.03	0.02	0.01	0.01	0.00	0.00	-	-	
Fluoride	mg/l	-	-	-	-	-	-	-	-	
Nitrate	mg/l	-	-	-	-	-	-	-	-	
Boron	mg/l	-	-	-	-	-	-	-	-	
<b>CHEMICAL INDICES</b>										
SAR		0.19	0.35	0.10	0.15	0.01	0.03	-	-	
Hardness	no.	98.20	140.00	59.55	74.90	24.00	24.00	72.72	81.37	

**STATEWISE/BASINWISE INFORMATION ON WATER QUALITY**

**1 Basin: Brahmaputra & Barak Basin**

**2 River :Brahmaputra**

**3 Site : Bhomoraguri**

**4 Name & Location of Laboratory : Upper Brahmaputra Division Water Quality Lab Level-II Dibrugarh**

**5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 15 parameters, monthly**

Water Quality Data

Parameter	Unit	Analysis of data from 2004-05 to 2008-09						Last year average		Remarks
		Maximum observed		Average		Minimum observed		2009		
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	
<b>PHYSICAL</b>										
Conductivity	µmho/cm	180	204	109	147	29	100	112	136	
pH		8.00	7.80	7.39	7.37	6.91	6.70	7.41	7.19	
TDS	mg/l	420	500	179	197	58	80	75	91	
Turbidity	(NTU)	4.40	7.00	2.17	2.08	0.79	0.46	-	0.47	
<b>CHEMICAL</b>										
Calcium	mg/l	24.08	57.80	12.41	25.37	2.64	7.80	13.36	16.61	
Chloride	mg/l	19.88	24.82	9.63	10.31	3.20	3.52	7.50	6.76	
carbonate	mg/l	0.34	1.20	0.10	0.20	0.00	0.00	0.00	0.04	
Bicarbonat	mg/l	99.43	117.00	52.36	66.16	24.40	34.16	64.66	37.08	
Pottasium	mg/l	2.42	3.40	1.17	1.59	0.11	0.59	0.62	2.58	
Magnesium	mg/l	11.52	23.16	5.62	5.51	1.03	0.48	3.61	3.57	
Sodium	mg/l	2.00	5.50	1.22	2.74	0.09	0.10	1.91	2.75	
sulphate	mg/l	3.70	11.20	1.51	2.98	0.15	1.00	-	-	
Iron	mg/l	0.50	1.04	0.35	0.29	0.10	0.05	-	-	
Phosphate	mg/l	0.76	0.59	0.43	0.28	0.12	0.06	-	-	
Fluoride	mg/l	-	-	-	-	-	-	-	-	
Nitrate	mg/l	-	-	-	-	-	-	-	-	
Boron	mg/l	-	-	-	-	-	-	-	-	
<b>CHEMICAL INDICES</b>										
SAR		0.16	0.29	0.09	0.16	0.02	0.01	0.10	0.20	
Hardness	no.	70.00	160.00	50.97	73.31	30.00	30.00	50.00	65.00	