

## STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 Basin: Ulhas Basin West Flowing River (Maharashtra)
- 2 River :Ulhas
- 3 Site :Badlapur
- 4 Name & Location of Laboratory : Level II Laboratory , Upper Krishna Div. pune
- 5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 30 parameters, monthly

[Water Quality Data](#)

PARAMETER	Unit	Analysis of Data From 1999-200 to 2008-09						Last year Average 2008-09		Remarks
		MAX. Observed		Average		Min. Observed		Monsoon	Non Monsoon	
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon			
<b>PHYSICAL</b>										
Conductivity	(µmho/cm)	530.00	336.00	179.98	137.67	77.00	88.00	167.83	133.50	
pH		8.30	8.50	7.61	7.60	7.00	7.00	7.40	7.62	
<b>CHEMICAL</b>										
Alkaline- Phenophthelin	(mgCaCO3/L)	0.60	18.00	0.02	0.10	0.00	0.00	0.00	0.00	
Alkaline Total	(mgCaCO3/L)	304.10	150.10	85.86	58.66	18.00	20.00	54.00	34.67	
Boron	(mg/L)	0.81	0.96	0.24	0.22	0.00	0.00	0.08	0.10	
Calcium	(mg/L)	51.70	21.00	14.52	11.97	4.80	4.00	15.08	10.02	
Chloride	(mg/L)	96.00	40.00	16.20	13.20	3.00	4.00	14.50	14.00	
Carbonate	(mg/L)	1.50	1.70	0.07	0.02	0.00	0.00	0.00	0.00	
Fluoride	(mg/L)	1.10	1.02	0.24	0.25	0.05	0.00	0.05	0.58	
Iron	(mg/L)	1.10	1.00	0.17	0.20	0.00	0.00	0.13	0.10	
Bicarbonate	(mg/L)	185.40	91.50	60.50	43.90	22.00	17.10	65.90	42.30	
Potassium	(mg/L)	15.30	15.70	3.10	1.88	0.10	0.10	2.05	0.67	
Magnesium	(mg/L)	33.40	16.70	6.68	4.43	0.20	0.70	4.70	4.15	
Sodium	(mg/L)	42.00	51.00	10.96	9.37	4.00	4.00	9.83	11.33	
Ammonia	(mg/L)	0.15	1.12	0.08	0.11	0.05	0.05			
nitrite	(mg/L)	0.10	5.20	0.010	0.19	0.00	0.00	0.00	1.08	
Nitrate	(mg/L)	2.08	1.04	0.308	0.22	0.02	0.01	0.55	0.15	
Nitrate+ Nitrite	(mg/L)	2.10	5.20	0.308	0.41	0.00	0.00	0.58	1.22	
Phosphate Total	(mg/L)	0.48	0.65	0.12	0.16	0.00	0.00	0.01	0.03	
Silica	(mg/L)	42.60	24.48	12.83	8.34	0.60	0.24	7.53	7.55	
Sulphate	(mg/L)	33.00	64.00	11.75	10.71	1.00	2.00	10.17	12.50	

<b>BIOLOGICAL / BACTERIOLOGICAL</b>										
B.O.D.3-27	mg/L	3.10	3.10	1.08	1.29	0.10	0.20	0.53	0.80	
C.O.D.	mg/L	20.90	27.40	6.13	8.92	1.00	1.70	3.12	3.72	
D.O.	mg/L	8.30	7.20	5.38	5.42	3.50	0.00	4.65	4.78	
DO Saturation	(%)	100.00	95.00	67.92	64.76	46.00	0.00	62.00	62.20	
<b>CHEMICAL INDICES</b>										
HARDNESS asCa	(mgCaCO <sub>3</sub> /L)	129.00	52.00	36.42	30.05	12.00	10.00	37.67	25.00	
HARDNESS Total	(mgCaCO <sub>3</sub> /L)	215.00	108.00	64.10	48.32	16.00	20.00	57.17	42.33	
Sodium (%)	(%)	57.00	60.00	26.91	28.74	9.00	12.00	27.67	36.67	
RSC (-)		0.82	0.38	0.04	0.03	0.00	0.00	0.07	0.01	
SAR (-)		2.00	3.00	0.61	0.53	0.00	0.00	0.50	1.00	

## STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 Basin: Krishna Basin (A.P.)
- 2 River :Krishna
- 3 Site :Vijayawada
- 4 Name & Location of Laboratory : Level II Laboratory , Lower Krishna Div. Hyderabad
- 5 Type of Staion, Parameter and frequency of monitoring : Flux Station , 41 parameters, monthly

## Water Quality Data

Parameter	Unit	Analysis of Data From 1999-2000 to 2008-09						Last year average 2008-09		Remarks
		Maximum observed		Average		Minimum observed		Monsoon	Non Monsoon	
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon			
<b>PHYSICAL</b>										
Coductivity	umho/cm	1040	1139	566	570	67	393	604	663	
pH		8.8	8.9	8.1	8.1	7	7.1	8.3	8.5	
<b>CHEMICAL</b>										
Alkaline-Phenpthelin	(mgcaco3/L)	35.7	46.5	6.6	6.2	0	0	4.8	8	
Alkaline-Total	(mgcaco3/L)	306	223	135	130	56	17	186	188	
Boron	(mg/L)	1.25	0.75	0.07	0.02	0	0	0	0	
Calcium	(mg/L)	68	55	33	35	12	18	47	49	
Chloride	(mg/L)	164.7	134.5	54	56.9	19.6	40.4	51.9	54.7	
Carbonate	(mg/L)	43	56	7.9	7.4	0	0	5.8	9.6	
Fluoride	(mg/L)	1.24	1.37	0.65	0.68	0	0	0.7	0.72	
Iron	(mg/L)	0.205	1.000	0.003	0.012	0	0	0	0	
Bicarbonate	(mg/L)	373	272	148	143	48	21	216	210	
Potassium	(mg/L)	20.3	14.1	3.6	3.2	0.8	0.8	3	3.2	
Magnesium	(mg/L)	61.2	73.2	17	17.8	0.8	5.1	9.3	11.2	
Sodium	(mg/L)	133	154	39.2	39.2	7	1	54.9	63.6	
Ammonia	mg/L	0	0	0	0	0	0	0	0	
Nitrite + Nitrate	(mg N/L)	4.59	1.15	0.24	0.17	0	0	0	0	
Nitrite	mg/L	0.00	0.00	0	0	0.00	0.00	0.00	0.00	
Nitrate	mg/L	4.59	1.15	0.24	0.17	0	0	0	0	
Phosphate total	mg/l	0.429	0.275	0.023	0.01	0	0	0	0	
silica	(mg/L)	57.6	23.1	10.7	11.1	0.8	0	16.1	15.6	
Sulphate	(mg/L)	465	107.5	54.9	55	15	11	45.7	50.6	

<b>BIOLOGICAL/ BACTERIOLOGICAL</b>									
B.O.D.3-27	(mg/L)	6	3.8	1.1	1	0.1	0.1	1.1	1.2
C.O.D.	(mg/L)	33.2	78.7	15.9	17.1	3.1	3.8	15.1	11.4
DO	(mg/L)	8.6	8.6	6.1	6.1	3.2	4	6.5	7.3
DO saturation	(%)	110	109	78	78	41	51	81	88
Total Organic Carbon	(mg/L)	—	3.33	—	3.33	—	3.33	—	—
<b>TRACE &amp; TOXIC</b>									
Cadmium	(µg/L)	—	1.00	—	0.50	—	0	—	0
chromium	(µg/L)	—	0	—	0	—	0	—	0
Murcurry	(µg/L)	—	0	—	0	—	0	—	0
Nickel	(µg/L)	—	8.00	—	4.00	—	0.00	—	0
Lead	(µg/L)	—	68	—	39.89	—	11.78	—	0
Zinc	(µg/L)	—	16.31	—	14.16	—	12.00	—	0
<b>CHEMINCAL INDICES</b>									
HARDNESS as Ca	(mg CaCO <sub>3</sub> /L)	170	137	82	86	30	45	117	122
HARDNESS TOTAL	(mg CaCO <sub>3</sub> /L)	300	385	153	161	98	91	155	169
Sodium	(%)	67	70	33	32	11	2	43	45
RSC(-)		8.7	7.4	0.6	0.3	0	0	0.6	2.2
SAR(-)		4.8	5.7	1.4	1.4	0.3	0.1	1.9	2.1
<b>PESTICIDES</b>									
Aldrin	(µg/L)	—	0	—	0	—	0	—	0
BHC	(µg/L)	—	5.00	—	0.25	—	0	—	0
DDT	(µg/L)	—	0	—	0	—	0	—	0
Dieldrin	(µg/L)	—	0.037	—	0.0185	—	0	—	0
Endos )	(µg/L)	—	0.1	—	0.05	—	0	—	0

## STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 Basin: Krishna Basin (A.P.)
- 2 River :Krishna
- 3 Site :Wadanapally
- 4 Name & Location of Laboratory : Level II Laboratory , Lower Krishna Div. Hyderabad
- 5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 41 parameters, monthly

Water Quality Data

Parameter	Unit	Analysis of Data From 1999-2000 to 2008-09						Last year average 2008-09		Remarks
		Maximum observed		Average		Minimum observed		Monsoon	Non Monsoon	
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon			
<b>PHYSICAL</b>										
Coductivity	µmho/cm	1160	830	565	548	326	347	638	634	
pH		8.6	8.7	8.1	8.2	7.1	7.5	8.1	8	
<b>CHEMICAL</b>										
Alkaline-Phenpthelin	(mgcaco3/L)	28.2	36.5	4	6.6	0	0	2.7	1.3	
Alkaline-Total	(mgcaco3/L)	215	252	116	127	28	21	163	203	
Boron	(mg/L)	1.25	1	0.14	0.04	0	0	0	0	
Calcium	(mg/L)	62	64	33	35	18	18	42	50	
Chloride	(mg/L)	132.5	168.3	57	56.2	20.1	28.9	59.7	54.5	
Carbonate	(mg/L)	34	44	4.8	8	0	0	3.2	1.6	
Fluoride	(mg/L)	1.32	1.32	0.59	0.65	0	0	0.27	1.6	
Iron	(mg/L)	0.205	0.19	0.007	0.009	0	0	0	0	
Bicarbonate	(mg/L)	262	307	132	139	18	18	193	245	
Potassium	(mg/L)	12.3	6.6	2.9	2.3	0.8	0.2	3	2.7	
Magnesium	(mg/L)	42.5	41.6	18.3	18	6	2.9	12.1	12.2	
Sodium	(mg/L)	120	80	39.6	35.8	7	1	58	60	
Ammonia	mg/L	0	0	0	0	0	0	0	0	
Nitrite + Nitrate	(mg N/L)	1.99	1.35	0.36	0.29	0	0	0	0	
Nitrite	mg/L	0	0	0	0	0	0	0	0	
Nitrate	mg/L	1.99	1.35	0.36	0.29	0	0	0	0	
Phosphate total	mg/l	0.614	0.2	0.022	0.012	0	0	0	0	
silica	(mg/L)	27.8	38.1	10.9	11.5	0	0	16.7	16.7	
Sulphate	(mg/L)	610	92.5	63	51.9	22	30	52.1	53	

<b>BIOLOGICAL/ BACTERIOLOGICAL</b>									
B.O.D.3-27	(mg/L)	3.8	3.8	1.2	0.9	0.1	0.1	0.9	0.8
C.O.D.	(mg/L)	37.9	51.2	20.9	13.5	5.9	4	25	8.9
DO	(mg/L)	9.2	8.6	6.6	6.3	4.4	3.9	6.1	6.4
DO saturation	(%)	121	115	85	79	59	49	78	80
Total Organic Carbon	(mg/L)	-	3.3	-	3.3	-	3.3	-	-
<b>TRACE &amp; TOXIC</b>									
Cadmium	(µg/L)	-	7.00	-	2.63	-	0.01	-	2.56
chromium	(µg/L)	-	9.00	-	4.00	-	0.00	-	1.00
Murcurry	(µg/L)	-	1.36	-	0.68	-	0	-	0
Nickel	(µg/L)	-	10.00	-	3.30	-	0.00	-	3.25
Lead	(µg/L)	-	65.00	-	35.45	-	19.00	-	36.00
Zinc	(µg/L)	-	69.0	-	19.03	-	2.89	-	6.63
<b>CHEMINCAL INDICES</b>									
HARDNESS as Ca	(mg CaCO3/L)	155	160	82	88	45	45	106	125
HARDNESS TOTAL	(mg CaCO3/L)	238	243	158	163	102	72	156	176
Sodium	(%)	63	51	33	30	8	2	44	42
RSC(-)		8.4	8.5	0.3	0.4	0	0	1.6	2.8
SAR(-)		4.0	3.9	1.4	1.3	0.2	0.1	2.0	2.0
<b>PESTICIDES</b>									
Aldrin	(µg/L)	-	0.014	-	0.006	-	0	-	0.002
BHC	(µg/L)	-	0.100	-	0.030	-	0	-	0.023
DDT	(µg/L)	-	0.004	-	0.001	-	0	-	0.002
Dieldrin	(µg/L)	-	0.100	-	0.025	-	0	-	0.002
Endos )	(µg/L)	-	0.200	-	0.057	-	0	-	0.005

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 Basin: Krishna Basin (A.P.)
- 2 River :Manneru
- 3 Site : Keesara
- 4 Name & Location of Laboratory : Level II Laboratory , Lower Krishna Div. Hyderabad
- 5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 41 parameters, monthly

Water Quality Data

S.No.	Parameter	Unit	Analysis of Data From 1999-2000 to 2008-09						Last year average 2008-09	
			Maximum observed		Average		Minimum observed		Monsoon	Non Monsoon
			Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon		
<b>PHYSICAL</b>										
1	Coductivity	umho/cm	1270	1111	694	800	335	604	649	790
2	pH		9.1	8.9	8.3	8.4	7.1	7.8	8.2	8.4
<b>CHEMICAL</b>										
3	Alkaline-Phenphtelin	(mgcaco3/L)	91.3	58.9	14.1	17.9	0	0	4	8
4	Alkaline-Total	(mgcaco3/L)	365	318	161	187	7	42	192	256
5	Boron	(mg/L)	1.75	1	0.15	0.07	0	0	0	0
6	Calcium	(mg/L)	66	51	28	29	7	11	44	41
7	Chloride	(mg/L)	156.3	209.7	72.7	82.4	12.6	25.8	52.6	120.5
8	Carbonate	(mg/L)	110	71	17	21.5	0	0	4.8	9.6
9	Fluoride	(mg/L)	1.78	1.98	0.86	0.8	0	0	0.79	0.92
10	Iron	(mg/L)	0.13	0.13	0.008	0.01	0	0	0	0
11	Bicarbonate	(mg/L)	403	373	162	184	9	27	225	293
12	Potassium	(mg/L)	6.8	6.6	3.6	3.1	1.6	1.5	3.4	4.2
13	Magnesium	(mg/L)	54.1	52.6	25.8	29.5	1.9	4.9	6.8	12.1
14	Sodium	(mg/L)	180	130	54.6	60.7	2	3	60.7	100.9
15	Ammonia	mg/L	0	0	0	0	0	0	0	0
16	Nitrite + Nitrate	(mg N/L)	8.97	1.0	0.54	0.24	0	0	0	0
17	Nitrite	mg/L	0	0	0	0	0	0	-	0
18	Nitrate	mg/L	8.97	1.0	0.54	0.24	0	0	-	0
19	Phosphate total	mg/l	0.3	0.135	0.019	0.003	0	0	0	0
20	silica	(mg/L)	39.6	21	9.3	12	0.2	0	10.4	13.8
21	Sulphate	(mg/L)	88	130	39.2	50.1	13	28	37.7	47.6

<b>BIOLOGICAL/ BACTERIOLOGICAL</b>										
22	B.O.D.3-27	(mg/L)	3.8	2.4	1.3	0.9	0.1	0.1	0.9	0.8
23	C.O.D.	(mg/L)	41.3	51.2	18	15.9	5.9	3.8	17.9	11.1
24	DO	(mg/L)	8.7	9.8	6.2	6.3	4.1	4.2	5.7	6.4
25	DO saturation	(%)	117	114	81	79	52	54	72	75
26	Total Organic Carbon	(mg/L)	—	3.0	—	3.0	—	3.0	—	—
<b>TRACE &amp; TOXIC</b>										
27	Cadmium	(µg/L)	—	8.0	—	2.8	—	0	—	2.21
28	chromium	(µg/L)	—	31.00	—	7.75	—	0	—	0
29	Murcurry	(µg/L)	—	2.03	—	1.02	—	0	—	0
30	Nickel	(µg/L)	—	10.00	—	2.56	—	0	—	0.16
31	Lead	(µg/L)	—	88.00	—	51.63	—	16.06	—	24.44
32	Zinc	(µg/L)	—	106.00	—	36.75	—	2.24	—	17.76
<b>CHEMINCAL INDICES</b>										
33	HARDNESS as Ca	(mg CaCO3/L)	165	128	69	73	18	28	109	103
34	HARDNESS TOTAL	(mg CaCO3/L)	372	254	176	196	104	130	138	153
35	Sodium	(%)	71	62	37	37	2	3	48	58
36	RSC(-)		4.3	2.9	0.5	0.6	0	0	1.1	2.1
37	SAR(-)		6.4	9.6	1.9	2.1	0.3	0.3	2.3	3.6
<b>PESTICIDES</b>										
38	Aldrin	(µg/L)	—	0.001	—	0	—	0	—	0
39	BHC	(µg/L)	—	0.008	—	0.002	—	0	—	0.008
40	DDT	(µg/L)	—	0.002	—	0.001	—	0	—	0.002
41	Dieldrin	(µg/L)	—	0.059	—	0.015	—	0	—	0.001
42	Endos )	(µg/L)	—	0.115	—	0.032	—	0	—	0.012



## STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 Basin: Krishna Basin (A.P.)  
 2 River :Paleru  
 3 Site :Paleru Bridge  
 4 Name & Location of Laboratory : Level II Laboratory , Lower Krishna Div. Hyderabad  
 5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 41 parameters, monthly  
[Water Quality Data](#)

Parameter	Unit	Analysis of Data From 1999-2000 to 2008-09						Last year average 2008-09		Remarks
		Maximum observed		Average		Minimum observed		Monsoon	Non Monsoon	
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon			
<b>PHYSICAL</b>										
Coductivity	µmho/cm	1450	1570	765	779	448	492	755	955	
pH		8.4	8.6	7.8	7.8	6.3	5.2	7.9	7.5	
<b>CHEMICAL</b>										
Alkaline-Phenphthelin	(mgcaco3/L)	29.9	28.2	1.2	1.7	0	0	0	0	
Alkaline-Total	(mgcaco3/L)	469	623	192	183	49	15	253	297	
Boron	(mg/L)	1.15	1.25	0.11	0.05	0	0	0	0	
Calcium	(mg/L)	108	130	44	44	13	14	61	75	
Chloride	(mg/L)	243.5	225.6	77.1	70.9	29.8	33.3	63.7	78	
Carbonate	(mg/L)	36.0	34.0	1.5	2.1	0	0	0	0	
Fluoride	(mg/L)	4.00	4.15	0.90	0.83	0	0	1.04	0.88	
Iron	(mg/L)	0.370	0.205	0.017	0.01	0	0	0	0	
Bicarbonate	(mg/L)	572	760	231	219	60	18	309	362	
Potassium	(mg/L)	37.5	40.0	4.6	4.4	0.8	1.0	3.3	3.0	
Magnesium	(mg/L)	82.5	89.9	38.0	37.2	13.6	6.8	21.1	24.6	
Sodium	(mg/L)	219.0	145.0	45.9	43.1	3.0	2.0	61.3	81.2	
Ammonia	mg/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Nitrite + Nitrate	(mg N/L)	1.94	1.28	0.35	0.32	0.0	0.0	0.0	0.0	
Nitrite	mg/L	0	0.0	0	0	0	0	0	0	
Nitrate	mg/L	1.94	1.28	0.35	0.32	0	0	0	0	
Phosphate total	mg/l	1.458	0.105	0.090	0.003	0.000	0.000	0.000	0.000	
silica	(mg/L)	51.3	45.4	17.0	16.1	0.0	0.0	30.2	24.6	
Sulphate	(mg/L)	650.0	270.0	63.4	63.6	14.0	28.0	44.4	88.7	

<b>BIOLOGICAL/ BACTERIOLOGICAL</b>									
B.O.D.3-27	(mg/L)	1.9	3.3	1.2	1.3	0.1	0.1	1	0.8
C.O.D.	(mg/L)	44.4	21.9	20.1	10.8	4	3.7	22.6	8.9
DO	(mg/L)	8.6	8.3	5.7	5.8	1.8	1.1	5.2	4.5
DO saturation	(%)	114	98	72	71	23	14	65	54
Total Organic Carbon	(mg/L)	—	2.82	—	2.82	—	2.82	—	—
<b>TRACE &amp; TOXIC</b>									
Cadmium	(µg/L)	—	7.00	—	2.53	—	0	—	2.11
chromium	(µg/L)	—	46.00	—	12.00	—	0.00	—	2.00
Murcurry	(µg/L)	—	5.82	—	2.91	—	0	—	0
Nickel	(µg/L)	—	9.00	—	2.56	—	0	—	1.23
Lead	(µg/L)	—	117.00	—	56.95	—	16.78	—	29.00
Zinc	(µg/L)	—	100.00	—	41.34	—	4.97	—	34.38
<b>CHEMINCAL INDICES</b>									
HARDNESS as Ca	(mg CaCO <sub>3</sub> /L)	270	325	110	111	33	35	152	187
HARDNESS TOTAL	(mg CaCO <sub>3</sub> /L)	459	511	269	266	154	142	239	290
Sodium	(%)	50	45	24	25	3	1	36	38
RSC(-)		8.7	8.2	0.3	0.4	0	0	0.3	1.9
SAR(-)		8.8	4.0	1.3	1.2	0.1	0.1	1.7	2.1
<b>PESTICIDES</b>									
Aldrin	(µg/L)	—	0.001	—	0	—	0	—	0.001
BHC	(µg/L)	—	0.300	—	0.107	—	0.011	—	0.016
DDT	(µg/L)	—	0.100	—	0	—	0	—	0.001
Dieldrin	(µg/L)	—	0	—	0	—	0	—	0
Endos )	(µg/L)	—	0.100	—	0.032	—	0	—	0.004

## STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 Basin: Krishna Basin (A.P.)
- 2 River :Musri
- 3 Site :Damercharla
- 4 Name & Location of Laboratory : Level II Laboratory , Lower Krishna Div. Hyderabad
- 5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 41 parameters, monthly

Water Quality Data

Parameter	Unit	Analysis of Data From 1999-2000 to 2008-09						Last year average 2008-09		Remarks
		Maximum observed		Average		Minimum observed		Monsoon	Non Monsoon	
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon			
<b>PHYSICAL</b>										
Coductivity	umho/cm	1800	1100	878	813	550	564	1121	876	
pH		8.6	8.6	8.2	8.1	7.6	7.3	8.2	8.2	
<b>CHEMICAL</b>										
Alkaline-Phenphtelin	(mgcaco3/L)	63.1	52.3	8.5	7.2	0.0	0.0	4.0	2.7	
Alkaline-Total	(mgcaco3/L)	468	331	184	182	30	38	273	229	
Boron	(mg/L)	2.00	1.15	0.18	0.07	0.00	0.00	0.00	0.00	
Calcium	(mg/L)	81	76	38	41	7	8	61	60	
Chloride	(mg/L)	251.8	738.0	105.8	96.4	40.9	17.7	142.6	84.8	
Carbonate	(mg/L)	76.0	63.0	10.2	8.7	0.0	0.0	4.8	3.2	
Fluoride	(mg/L)	6.83	3.42	1.83	1.24	0.00	0.00	1.16	0.88	
Iron	(mg/L)	0.190	0.149	0.006	0.008	0	0	0	0	
Bicarbonate	(mg/L)	516	404	203	204	36	46	323	273	
Potassium	(mg/L)	9.4	4.7	3.2	2.0	0.8	0.5	4.7	2.7	
Magnesium	(mg/L)	71.6	54.4	38.5	34.2	4.9	3.9	24.3	12.7	
Sodium	(mg/L)	185.0	130.0	64.4	52.6	10.0	1.0	114	77.3	
Ammonia	mg/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Nitrite + Nitrate	(mg N/L)	2.54	1.99	0.37	0.34	0.00	0.00	0.00	0.00	
Nitrite	mg/L	0	0	0	0	0	0	0	0	
Nitrate	mg/L	2.54	1.99	0.37	0.34	0	0	0	0	
Phosphate total	mg/l	0.9	0.1	0.044	0.004	0	0	0	0	
silica	(mg/L)	37.7	43.6	15.4	17.4	1.5	5.7	25.2	20.3	
Sulphate	(mg/L)	286.0	127.5	72.5	57.0	27.5	21.0	61.7	52.8	

<b>BIOLOGICAL/ BACTERIOLOGICAL</b>									
B.O.D.3-27	(mg/L)	5.4	3.9	1.1	1.1	0.1	0.1	1.1	1.1
C.O.D.	(mg/L)	69.2	90.6	25.3	18.1	3.5	4.0	35.4	11.6
DO	(mg/L)	8.0	9.1	6.4	6.2	3.8	2.6	5.4	7.2
DO saturation	(%)	104	106	82	76	49	35	64	82
Total Organic Carbon	(mg/L)	-	3.46	-	0.577	-	0	-	0
<b>TRACE &amp; TOXIC</b>									
Cadmium	(µg/L)	-	8.0	-	2.85	-	0	-	2.38
chromium	(µg/L)	-	0.0	-	0.0	-	0	-	0
Murcurry	(µg/L)	-	2.0	-	1.0	-	0	-	0
Nickel	(µg/L)	-	12.0	-	3.49	-	0	-	1.96
Lead	(µg/L)	-	93.0	-	57.95	-	22.53	-	36.26
Zinc	(µg/L)	-	50.0	-	20.49	-	2.85	-	22.11
<b>CHEMICAL INDICES</b>									
HARDNESS as Ca	(mg CaCO <sub>3</sub> /L)	203	190	95	103	18	20	154	150
HARDNESS TOTAL	(mg CaCO <sub>3</sub> /L)	391	378	255	246	150	120	255	203
Sodium	(%)	64	65	33	30	8	1	48	45
RSC(-)		6.8	6.9	0.4	0.3	0.0	0.0	0.6	0.7
SAR(-)		5.4	4.1	1.8	1.5	0.3	0.2	3.1	2.5
<b>PESTICIDES</b>									
Aldrin	(µg/L)	-	0.005	-	0.001	-	0	-	0.005
BHC	(µg/L)	-	0.243	-	0.111	-	0	-	0.243
DDT	(µg/L)	-	0.002	-	0.001	-	0	-	0.001
Dieldrin	(µg/L)	-	0.027	-	0.007	-	0	-	0.013
Endos )	(µg/L)	-	0.2	-	0.099	-	0	-	

## STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 Basin: Krishna Basin (Karnataka)
- 2 River :Hagari
- 3 Site :T. Ramapuram
- 4 Name & Location of Laboratory : Level II Laboratory , Lower Krishna Div. Hyderabad
- 5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 41 parameters, monthly

[Water Quality Data](#)

Parameter	Unit	Analysis of Data From 1999-2000 to 2008-09						Last year average 2008-09		Remarks
		Maximum observed		Average		Minimum observed		Monsoon	Non Monsoon	
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon			
<b>PHYSICAL</b>										
Coductivity	µmho/cm	3250	3360	1361	1587	374	851	1396	1174	
pH		8.5	8.7	8.1	8.2	7.7	7.7	8.1	8.1	
<b>CHEMICAL</b>										
Alkaline-Phenphthelin	(mgcaco3/L)	37.4	58.9	5.1	13.1	0.0	0.0	3.3	4.0	
Alkaline-Total	(mgcaco3/L)	430	295	158	170	18	111	235	194	
Boron	(mg/L)	1.00	1.15	0.17	0.09	0.00	0.00	0.00	0.00	
Calcium	(mg/L)	107	99	45	41	11	13	70	60	
Chloride	(mg/L)	522.3	408.4	179.1	197.9	29.4	14.2	180.7	159.9	
Carbonate	(mg/L)	45.0	71.0	6.2	15.8	0.0	0.0	4.0	48.0	
Fluoride	(mg/L)	1.84	1.32	0.84	0.77	0.00	0.00	1.33	0.83	
Iron	(mg/L)	0.26	0.223	0.018	0.009	0	0	0	0	
Bicarbonate	(mg/L)	525	360	180	176	22	81	278	227	
Potassium	(mg/L)	13.3	8.7	4.2	4.0	1.2	1.2	5.2	3.9	
Magnesium	(mg/L)	109.2	66.7	34	42.7	2.9	18	26.2	17.7	
Sodium	(mg/L)	420.0	483.0	142.9	146.3	17.0	9.0	230.0	175.0	
Ammonia	mg/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Nitrite + Nitrate	(mg N/L)	1.39	1.63	0.34	0.52	0.00	0.00	0.00	0.00	
Nitrite	mg/L	0	0	0	0	0	0	0	0	
Nitrate	mg/L	1.39	1.63	0.34	0.52	0	0	0	0	
Phosphate total	mg/l	1.000	0.200	0.060	0.012	0.000	0.000	0.000	0.000	
silica	(mg/L)	28.2	27.0	11.8	11.2	1.1	3.2	16.4	15.4	
Sulphate	(mg/L)	750.0	540.0	204.5	241.6	50.0	40.0	214.7	223.5	

<b>BIOLOGICAL/ BACTERIOLOGICAL</b>									
B.O.D.3-27	(mg/L)	5.6	3.9	1.4	1.1	0.1	0.1	1.5	0.6
C.O.D.	(mg/L)	45.5	85.0	25.9	85.0	4.0	85.0	24.6	27.6
DO	(mg/L)	8.1	7.9	6.3	6.9	2.0	5.2	6.1	5.8
DO saturation	(%)	93	97	75	77	25	58	75	71
Total Organic Carbon	(mg/L)	2.95	-	2.95	-	2.95	0	-	0
<b>TRACE &amp; TOXIC</b>									
Cadmium	(µg/L)	-	1.00	-	1.00	-	1.00	-	-
chromium	(µg/L)	-	0	-	0	-	0	-	-
Murcurry	(µg/L)	-	0	-	0	-	0	-	-
Nickel	(µg/L)	-	24.0	-	24.0	-	24.0	-	-
Lead	(µg/L)	-	20.55	-	20.55	-	20.55	-	-
Zinc	(µg/L)	-	9.02	-	9.00	-	9.00	-	-
<b>CHEMINCAL INDICES</b>									
HARDNESS as Ca	(mg CaCO <sub>3</sub> /L)	268	248	113	103	28	33	175	150
HARDNESS TOTAL	(mg CaCO <sub>3</sub> /L)	615	452	255	281	83	179	284	224
Sodium	(%)	69	77	50	48	14	6	63	61
RSC(-)		3.3	0.4	0.1	0.0	0.0	0.0	0.0	0.1
SAR(-)		8.7	11.9	3.8	3.8	0.6	0.2	5.9	4.9
<b>PESTICIDES</b>									
Aldrin	(µg/L)	-	0	-	0	-	0	-	0
BHC	(µg/L)	-	0	-	0	-	0	-	0
DDT	(µg/L)	-	0	-	0	-	0	-	0
Dieldrin	(µg/L)	-	0.072	-	0.072	-	0.072	-	0
Endos )	(µg/L)	-	0	-	0	-	0	-	0

## STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 Basin: Krishna Basin (Karnataka)
- 2 River :Tungabhadra
- 3 Site :Bawapuram
- 4 Name & Location of Laboratory : Level II Laboratory , Lower Krishna Div. Hyderabad
- 5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 41 parameters, monthly

## Water Quality Data

Parameter	Unit	Analysis of Data From 1999-2000 to 2008-09						Last year average 2008-09		Remarks
		Maximum observed		Average		Minimum observed		Monsoon	Non Monsoon	
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon			
<b>PHYSICAL</b>										
Coductivity	µmho/cm	1610	1680	826	1073	148	688	903	1310	
pH		9.6	9.2	8.3	8.6	7.6	7.9	8.4	8.4	
<b>CHEMICAL</b>										
Alkaline-Phenphthelin	(mgcaco3/L)	44.8	51.5	11.1	17.7	0.0	0.0	5.3	8.0	
Alkaline-Total	(mgcaco3/L)	332	286	134	159	36	56	179	209	
Boron	(mg/L)	1.05	1.15	0.14	0.10	0.00	0.00	0.00	0.00	
Calcium	(mg/L)	63	68	34	35	14	14	46	51	
Chloride	(mg/L)	232.5	242.1	91.7	127.3	19.0	78.4	99.2	166.7	
Carbonate	(mg/L)	54.0	62.0	13.4	21.3	0.0	0.0	6.4	9.6	
Fluoride	(mg/L)	12.19	6.83	0.92	1.6	0.00	0.0	0.72	0.95	
Iron	(mg/L)	0.298	0.19	0.039	0.009	0	0	0	0	
Bicarbonate	(mg/L)	405	342	136	150	28	34	206	235	
Potassium	(mg/L)	38.0	29.3	6.3	6.3	0.8	1.2	4	6.4	
Magnesium	(mg/L)	60.5	42.7	18.6	24	1.0	1.9	12.2	15.6	
Sodium	(mg/L)	288.0	417	83.5	103.7	6.0	4.7	134.2	168.5	
Ammonia	mg/L	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Nitrite + Nitrate	(mg N/L)	3.00	1.54	0.37	0.29	0.00	0.00	0.00	0.00	
Nitrite	mg/L	0	0	0	0	0		0	0	
Nitrate	mg/L	3.00	1.54	0.37	0.29	0		0	0	
Phosphate total	mg/l	1.228	0.085	0.062	0.004	0.000	0.000	0.000	0.000	
silica	(mg/L)	24.8	23.1	9.1	9.8	0.1	0.9	14.5	15.2	
Sulphate	(mg/L)	340.0	340.0	111.5	157.7	7.5	34.0	93.3	140.8	

<b>BIOLOGICAL/ BACTERIOLOGICAL</b>									
B.O.D.3-27	(mg/L)	4.5	3.7	1.5	1.2	0.1	0.1	1.9	1.4
C.O.D.	(mg/L)	77.1	110.2	20.8	22.5	4.0	3.8	19.7	13.1
DO	(mg/L)	8.7	8.5	6.2	6.5	3.2	3.5	6.3	6.1
DO saturation	(%)	107	112	75	80	41	43	74	71
Total Organic Carbon	(mg/L)	-	4.22	-	4.22	-	4.22	-	-
<b>TRACE &amp; TOXIC</b>									
Cadmium	(µg/L)	-	2.73	-	1.58	-	1.00	-	-
chromium	(µg/L)	-	0	-	0	-	0	-	2.73
Murcurry	(µg/L)	-	0	-	0	-	0	-	0
Nickel	(µg/L)	-	14.00	-	7.87	-	0	-	9.62
Lead	(µg/L)	-	114.00	-	59.82	-	7.87	-	44.00
Zinc	(µg/L)	-	14.00	-	8.89	-	5.73	-	6.93
<b>CHEMINCAL INDICES</b>									
HARDNESS as Ca	(mg CaCO <sub>3</sub> /L)	157	170	86	88	35	35	114	126
HARDNESS TOTAL	(mg CaCO <sub>3</sub> /L)	287	263	163	188	72	130	164	190
Sodium	(%)	79	82	46	48	7	5	63.3	54.3
RSC(-)		8.4	8.3	0.3	0.4	0.0	0	0.4	1.8
SAR(-)		9.9	13.1	2.8	3.3	0.2	0.1	4.6	5.3
<b>PESTICIDES</b>									
Aldrin	(µg/L)	-	0.004	-	0.001	-	0	-	0.004
BHC	(µg/L)	-	0.200	-	0.102	-	0.007	-	0.007
DDT	(µg/L)	-	0.400	-	0.002	-	0	-	0.400
Dieldrin	(µg/L)	-	0.026	-	0.010	-	0	-	0.400
Endos )	(µg/L)	-	0.006	-	0.003	-	0	-	0.006



## STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 Basin: Krishna Basin (A.P.)
- 2 River :Hallia
- 3 Site :Hallia
- 4 Name & Location of Laboratory : Level II Laboratory , Lower Krishna Div. Hyderabad
- 5 Type of Station, Parameter and frequency of monitoring : Trend Station , 41 parameters, monthly

Water Quality Data

Parameter	Unit	Analysis of Data From 1999-2000 to 2008-09						Last year average 2008-09		Remarks
		Maximum observed		Average		Minimum observed		Monsoon	Non Monsoon	
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon			
<b>PHYSICAL</b>										
Conductivity	umho/cm									
pH		993	1100	686	776	284	583	812	804	
<b>CHEMICAL</b>		8.9	8.8	8.2	8.3	7.8	7.7	8.3	8.1	
Alkaline-Phenphthelin	(mgcaco3/L)									
Alkaline-Total	(mgcaco3/L)	29.9	48.1	5.2	10	0	0	4	2.7	
Boron	(mg/L)	375	405	187	229	71	101	257	276	
Calcium	(mg/L)	1.25	1.15	0.11	0.07	0	0	0	0	
Chloride	(mg/L)	56	61	32	36	7	18	43	47	
Carbonate	(mg/L)	450	85.8	79.6	62.4	11.2	26.2	56.5	66.1	
Fluoride	(mg/L)	36.0	58.0	6.2	12.1	0	0	4.8	3.2	
Iron	(mg/L)	2.16	4	0.88	1.16	0	0	1.01	1.1	
Bicarbonate	(mg/L)	0.074	0.000	0.002	0.000	0.000	0.000	1.010	1.100	
Potassium	(mg/L)	457	425	216	255	87	114	304	330	
Magnesium	(mg/L)	41	33	4.6	3.5	1.2	0.8	3.3	3.9	
Sodium	(mg/L)	51.2	47.9	23.6	24.2	4.9	5.8	12.9	12.2	
Ammonia	mg/L	200	175	63.8	74.4	13	10	108.5	99.4	
Nitrite + Nitrate	(mg N/L)	0	0	0	0	0	0	0	0	
Nitrite	mg/L	1.00	0.95	0.35	0.16	0	0	0	0	
Nitrate	mg/L	0	0	0	0	0	0	0	0	
Phosphate total	mg/l	1.00	0.95	0.35	0.16	0	0	0	0	
silica	(mg/L)	1.197	0.4	0.093	0.02	0	0	0	0	
Sulphate	(mg/L)	41.5	31.2	17	17.9	0.4	5.1	31	19.8	
<b>BIOLOGICAL/ BACTERIOLOGICAL</b>		96.7	105	44.5	49.1	18	30	46.4	49.2	

B.O.D.3-27	(mg/L)								
C.O.D.	(mg/L)	5.5	3.1	1.5	0.9	0.1	0.2	0.8	1.0
DO	(mg/L)	31.1	55.1	12.5	13.5	3.0	3.8	22.3	8.9
DO saturation	(%)	7.9	10.0	6.9	7.3	5.0	4.8	6.1	6.2
Total Organic Carbon	(mg/L)	101	116	84	88	62	61	74	72
<b>TRACE &amp; TOXIC</b>			4.15		4.15		4.15		0
Cadmium	(µg/L)	-		-		-		-	
chromium	(µg/L)	-	8.00	-	2.82	-	0	-	2.26
Murcurry	(µg/L)	-	69.00	-	17.25	-	0	-	0
Nickel	(µg/L)	-	1.38	-	0.69	-	0	-	0
Lead	(µg/L)	-	11.00	-	3.12	-	0	-	1.49
Zinc	(µg/L)	-	103	-	59.53	-	17.23	-	31.87
<b>CHEMINCAL INDICES</b>			4.03		2.39		0		4.03
HARDNESS as Ca	(mg CaCO3/L)								
HARDNESS TOTAL	(mg CaCO3/L)	140	152	79	91	18	45	107	117
Sodium	(%)	241	263	178	192	81	120	161	168
RSC(-)		76	69	39	42	12	10	58	55
SAR(-)		4.6	4.8	0.8	1.5	0	0	1.9	2.2
<b>PESTICIDES</b>		7.5	5.9	2.1	2.4	0.4	0.3	3.7	3.4
Aldrin	(µg/L)								
BHC	(µg/L)	-	0	-	0	-	0	-	0
DDT	(µg/L)	-	0.100	-	0.026	-	0	-	0.003
Dieldrin	(µg/L)	-	0.001	-	0	-	0	-	0.001
Endos )	(µg/L)	-	0.039	-	0.01	-	0	-	0
		-	0.025	-	0.007	-	0	-	0.003

## STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 Basin: Krishna Basin (Karnataka)
- 2 River :Bhima
- 3 Site :Yadgir
- 4 Name & Location of Laboratory : Level II Laboratory , Lower Krishna Div. Hyderabad
- 5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 41 parameters, monthly

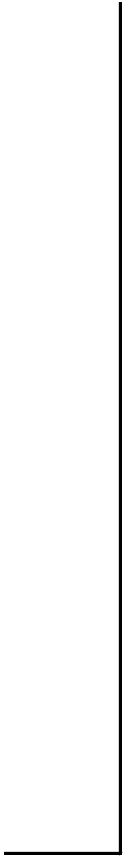
Water Quality Data

Parameter	Unit	Analysis of Data From 1999-2000 to 2008-09						Last year average 2008-09		Remarks
		Maximum observed		Average		Minimum observed		Monsoon	Non Monsoon	
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon			
<b>PHYSICAL</b>										
Coductivity	umho/cm	1065	1140	611	758	295	464	573	--	
pH		8.9	9	8.3	8.5	7.8	8	8.2	--	
<b>CHEMICAL</b>										
Alkaline-Phenphtelin	(mgcaco3/L)	42.3	44	11.1	21.8	0	0	2.7	--	
Alkaline-Total	(mgcaco3/L)	233	232	127	139	43	92	163	--	
Boron	(mg/L)	1.15	1	0.11	0.06	0	0	0	--	
Calcium	(mg/L)	51	51	29	31	10	14	45	--	
Chloride	(mg/L)	141.7	239.9	60	84	16.2	32	47	--	
Carbonate	(mg/L)	51	53	13.5	26.2	0	0	3.2	--	
Fluoride	(mg/L)	1.72	1.84	0.59	0.95	0	0.28	0.66	--	
Iron	(mg/L)	0.260	0.149	0.022	0.014	0	0	0	--	
Bicarbonate	(mg/L)	256	242	128	116	41	59	192	--	
Potassium	(mg/L)	56	5.5	4.2	2.9	1.1	1.5	2.7	--	
Magnesium	(mg/L)	57.4	54.1	24.5	31.4	6.8	8.5	8.7	--	
Sodium	(mg/L)	149	129	46.2	49.7	6	4	50.8	--	
Ammonia	mg/L	0	0	0	0	0	0	0	--	
Nitrite + Nitrate	(mg N/L)	2.00	1.00	0.44	0.45	0	0	0	--	
Nitrite	mg/L	0	0	0	0	0	0	0	--	
Nitrate	mg/L	2.00	1.00	0.44	0.45	0	0	0	--	
Phosphate total	mg/l	0.100	0.045	0.006	0.001	0	0	0	--	
silica	(mg/L)	32.1	21.0	12.2	10.8	0	3.2	20.1	--	
Sulphate	(mg/L)	200.0	225.0	70.5	102.1	22.0	35.0	57.7	--	

<b>BIOLOGICAL/ BACTERIOLOGICAL</b>									
B.O.D.3-27	(mg/L)	5.6	6.4	1.2	1.4	0.1	0.1	1.8	—
C.O.D.	(mg/L)	21.0	—	11.9	—	3.0	—	15.8	—
DO	(mg/L)	7.6	8.6	6.1	6.8	3.2	5.4	6.1	—
DO saturation	(%)	97	108	77	84	38	68	76	—
Total Organic Carbon	(mg/L)								
<b>TRACE &amp; TOXIC</b>									
Cadmium	(µg/L)	—	7.00	—	7.00	—	7.00	—	—
chromium	(µg/L)	—	18.00	—	18.00	—	18.00	—	—
Murcury	(µg/L)	—	1.85	—	1.85	—	1.85	—	—
Nickel	(µg/L)	—	0.00	—	0.00	—	0.00	—	—
Lead	(µg/L)	—	46.00	—	46.00	—	46.00	—	—
Zinc	(µg/L)	—	45.00	—	45.00	—	45.00	—	—
<b>CHEMICAL INDICES</b>									
HARDNESS as Ca	(mg CaCO <sub>3</sub> /L)	128	127	71	78	25	35	114	—
HARDNESS TOTAL	(mg CaCO <sub>3</sub> /L)	314	296	174	209	82	85	150	—
Sodium	(%)	67	65	34	33	10	4	41.8	—
RSC(-)		2.8	8.9	0.2	0.5	0	0	0.3	—
SAR(-)		5.2	3.5	1.6	1.5	0.3	0.1	1.8	—
<b>PESTICIDES</b>									
Aldrin	(µg/L)	—	0	—	0	—	0	—	—
BHC	(µg/L)	—	0.1	—	0.1	—	0.1	—	—
DDT	(µg/L)	—	0	—	0	—	0	—	—
Dieldrin	(µg/L)	—	0	—	0	—	0	—	—
Endos )	(µg/L)	—	0	—	0	—	0	—	—



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## STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 Basin: Krishna Basin (Karnataka)
- 2 River :Bhima
- 3 Site :Yadgir
- 4 Name & Location of Laboratory : Level II Laboratory , Lower Krishna Div. Hyderabad
- 5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 41 parameters, monthly

[Water Quality Data](#)

Parameter	Unit	Analysis of Data From 1999-2000 to 2008-09						Last year average 2008-09		Remarks
		Maximum observed		Average		Minimum observed		Monsoon	Non Monsoon	
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon			
<b>PHYSICAL</b>										
Coductivity	umho/cm	800	684	485	542	174	431	484	572	
pH		8.7	8.6	8.2	8.2	7.5	7.6	8	8.1	
<b>CHEMICAL</b>										
Alkaline-Phenphtelin	(mgcaco3/L)	52.3	36.5	9.4	8.0	0	0	0	1.3	
Alkaline-Total	(mgcaco3/L)	342	308	147	161	22	35	216	239	
Boron	(mg/L)	1.15	1	0.08	0.04	0	0	0	0	
Calcium	(mg/L)	74	56	24	28	7	12	44	47	
Chloride	(mg/L)	128.9	92.2	33.9	35.7	2.7	18.5	19.7	22.2	
Carbonate	(mg/L)	63.0	44.0	11.3	9.7	0	0	0	1.6	
Fluoride	(mg/L)	1.19	1.27	0.69	0.7	0	0	0.63	0.73	
Iron	(mg/L)	0.112	0.298	0.006	0.017	0	0	0	0	
Bicarbonate	(mg/L)	417	354	157	177	27	43	264	288	
Potassium	(mg/L)	14.9	10.4	3.2	3.2	1.6	1.2	3.1	3.8	
Magnesium	(mg/L)	46.8	48.6	27.8	31.1	7.0	8.0	14.1	16.5	
Sodium	(mg/L)	78.0	109.0	22.4	25.9	2.0	1.0	46.5	42.9	
Ammonia	mg/L	0	0	0	0	0	0	0	0	
Nitrite + Nitrate	(mg N/L)	1.75	2.00	0.62	0.73	0	0	0	0	
Nitrite	mg/L	0	0	0	0	0	0	0	0	
Nitrate	mg/L	1.75	2.00	0.62	0.73	0	0	0	0	
Phosphate total	mg/l	0.100	0.100	0.004	0.002	0	0	0	0	
silica	(mg/L)	25.3	29.4	12.0	14.4	0	0	22.4	25.5	
Sulphate	(mg/L)	110.0	108.0	17.0	20.2	2.5	9.0	24.9	15.8	

<b>BIOLOGICAL/ BACTERIOLOGICAL</b>									
B.O.D.3-27	(mg/L)	1.5	3.7	1.1	1.1	0.6	0.1	0.9	0.6
C.O.D.	(mg/L)	31.1	55.1	12.5	15.3	3.0	4.0	19.9	6.9
DO	(mg/L)	6.7	7.1	5.9	6.0	4.3	3.9	5.3	6.1
DO saturation	(%)	89	84	73	72	57	48	67	75
Total Organic Carbon	(mg/L)	-	2.97	-	2.97	-	2.97	-	0
<b>TRACE &amp; TOXIC</b>									
Cadmium	(µg/L)	-	8.00	-	2.77	-	0	-	2.06
chromium	(µg/L)	-	51.00	-	12.75	-	0	-	0
Murcury	(µg/L)	-	1.97	-	0.99	-	0	-	0
Nickel	(µg/L)	-	8.00	-	2.00	-	0	-	0
Lead	(µg/L)	-	111.00	-	50.52	-	11.00	-	18.09
Zinc	(µg/L)	-	133.00	-	36.1	-	0	-	4.02
<b>CHEMICAL INDICES</b>									
HARDNESS as Ca	(mg CaCO <sub>3</sub> /L)	185	140	60	71	18	30	110	116
HARDNESS TOTAL	(mg CaCO <sub>3</sub> /L)	268	263	175	200	84	73	169	185
Sodium	(%)	63	53	20	21	4	1	36	33
RSC(-)		2.9	2.8	0.3	0.4	0	0	1	1.1
SAR(-)		8.9	3.4	0.9	1	0.1	0.1	1.5	1.4
<b>PESTICIDES</b>									
Aldrin	(µg/L)	-	0.001	-	0	-	0	-	0.001
BHC	(µg/L)	-	0.100	-	0.036	-	0	-	0.007
DDT	(µg/L)	-	0.004	-	0.001	-	0	-	0.004
Dieldrin	(µg/L)	-	0.100	-	0.034	-	0	-	0.003
Endos )	(µg/L)	-	0.006	-	0.002	-	0	-	0.006



## STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 Basin: Krishna Basin (Maharashtra)
- 2 River :Bhima
- 3 Site :Phulgaon
- 4 Name & Location of Laboratory : Level II Laboratory , Upper Krishna Div. Pune
- 5 Type of Staion, Parameter and frequency of monitoring : Baseline Station , 30 parameters, monthly

[Water Quality Data](#)

PARAMETER	Unit	Analysis of Data From 1999-200 to 2008-09						Last year Average 2008-09		Remarks
		MAX. Observed		Average		Min. Observed		Monsoon	Non Monsoon	
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon			
<b>PHYSICAL</b>										
Conductivity	(µmho/cm)	407.00	0.00	218.71		133.00		196.67		
pH		8.30	8.60	7.84	8.07	7.20	7.60	7.70		
<b>CHEMICAL</b>										
Alkaline- Phenolphthelin	(mgCaCO3/L)	1.80	10.30	0.30	1.72	0.00	0.00	0.00		
Alkaline Total	(mgCaCO3/L)	248.00	186.00	90.45	103.00	27.00	52.00	68.00		
Boron	(mg/L)	1.34	0.86	0.35	0.65	0.00	0.35	0.07		
Calcium	(mg/L)	29.00	29.00	19.93	17.50	8.00	10.00	19.33		
Chloride	(mg/L)	30.10	31.60	15.46	16.19	7.70	3.20	11.53		
Carbonate	(mg/L)	2.20	12.40	0.36	2.07	0.00	0.00	0.00		
Fluoride	(mg/L)	0.44	0.55	0.20	0.23	0.05	0.05	0.07		
Iron	(mg/L)	0.70	0.50	0.23	0.18	0.00	0.00	0.23		
Bicarbonate	(mg/L)	200.00	228.00	97.86	104.83	33.00	51.00	83.00		
Potassium	(mg/L)	17.80	2.00	4.92	1.26	0.10	0.10	1.20		
Magnesium	(mg/L)	14.50	23.10	7.67	14.18	1.20	9.70	7.63		
Sodium	(mg/L)	16.50	22.50	8.78	14.38	3.90	8.30	7.90		
Ammonia	(mg/L)	0.06	0.45	0.03	0.16	0.00	0.00			
nitrite	(mg/L)	2.26	0.85	0.96	0.23	0.01	0.01	1.16		
Nitrate	(mg/L)	0.04	0.1	0.015	0.07	0.00	0.04	0.01		
Nitrate+ Nitrite	(mg/L)	2.3	0.95	1.217	0.72	0.35	0.48	1.16		
Phosphate Total	(mg/L)	0.45	0.34	0.13	0.08	0.01	0.00	0.01		
Silica	(mg/L)	65.60	39.30	14.79	22.67	2.40	7.80	4.83		
Sulphate	(mg/L)	50.40	31.70	13.10	10.51	1.10	1.00	10.20		

	<b>BIOLOGICAL / BACTERIOLOGICAL</b>									
	B.O.D.3-27	mg/L	3.50	3.40	0.94	1.64	0.10	0.10	1.20	
	C.O.D.	mg/L	7.20	7.70	6.45	6.29	4.40	4.80		
	D.O.	mg/L	84.00	86.00	78.33	73.06	51.00	55.00		
	DO Saturation	(%)	23.80	0.00	6.93	0.00	1.20	0.00	6.27	
	<b>CHEMICAL INDICES</b>									
	HARDNESS asCa	(mgCaCO <sub>3</sub> /L)	73.00	72.00	50.11	43.22	20.00	24.00	48.67	
	HARDNESS Total	(mgCaCO <sub>3</sub> /L)	113.00	136.00	77.07	102.67	41.00	73.00	80.33	
	Sodium (%)	(%)	28.00	33.00	17.46	23.00	11.00	17.00	17.00	
	RSC (-)		1.40	2.00	0.22	0.33	0.00	0.00	0.00	
	SAR (-)		0.80	0.90	0.45	0.61	0.20	0.40	0.37	

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 Basin: Krishna Basin (Karnataka)
- 2 River :Bhima
- 3 Site :Phulgaon
- 4 Name & Location of Laboratory : Level II Laboratory , Upper Krishna Div. Pune
- 5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 41 parameters, monthly

Water Quality Data

	PARAMETER	Unit	Analysis of Data From 1999-200 to 2008-09						Last year Average 2008-09		Remarks
			MAX. Observed		Average		Min. Observed		Monsoon	Non Monsoon	
			Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon			
	<b>PHYSICAL</b>										
	Conductivity	(µmho/cm)	1599	2330.0	644	624.40	188.00	243.00	887.50	494.25	
	pH		8.50	8.40	8.09	8.11	7.50	7.60	7.85	8.13	
	<b>CHEMICAL</b>										
	Alkaline- Phenophthelin	(mgCaCO3/L)	103.10	24.70	4.83	0.96	0.00	0.00	0.00	0.50	
	Alkaline Total	(mgCaCO3/L)	500.00	315.00	132.77	130.11	34.00	32.00	81.50	98.00	
	Boron	(mg/L)	0.79	1.50	0.37	0.43	0.00	0.00	0.20	0.12	
	Calcium	(mg/L)	98.00	61.00	24.90	26.94	0.00	10.00	33.25	30.25	
	Chloride	(mg/L)	297.10	266.80	93.04	86.89	0.00	19.90	69.68	62.68	
	Carbonate	(mg/L)	124.20	29.70	5.83	1.16	0.00	0.00	0.00	0.60	
	Fluoride	(mg/L)	0.97	1.05	0.29	0.29	0.00	0.05	0.74	0.67	
	Iron	(mg/L)	1.90	1.60	0.34	0.30	0.00	0.00	0.15	0.15	
	Bicarbonate	(mg/L)	305.00	384.00	134.47	135.63	42.00	39.00	99.50	118.50	
	Potassium	(mg/L)	45.00	42.90	11.98	9.08	0.00	0.40	3.33	1.28	
	Magnesium	(mg/L)	57.30	100.80	26.67	25.21	0.00	3.70	10.05	16.15	
	Sodium	(mg/L)	154.00	237.80	56.31	51.93	0.00	12.00	45.43	30.05	
	Ammonia	(mg/L)	0.36	0.39	0.09	0.11	0.00	0.00			
	nitrite	(mg/L)	18.03	1.81	0.54	0.68	0.00	0.01	1.41	1.12	
	Nitrate	(mg/L)	0.17	0.38	0.05	0.11	0.00	0.00	0.01	0.21	
	Nitrate+ Nitrite	(mg/L)	18.13	2.19	0.98	1.08	0.00	0.24	1.41	1.33	
	Phophate Total	(mg/L)	0.44	0.45	0.12		0.00	0.00	0.03	0.04	
	Silica	(mg/L)	32.40	39.50	13.23		0.00	0.00	8.85	5.53	
	Sulphate	(mg/L)	113.20	164.20	41.27	41.13	0.00	1.70	42.75	23.68	

<b>BIOLOGICAL / BACTERIOLOGICAL</b>										
B.O.D.3-27	mg/L	4.50	4.10	1.43	1.60	0.10	0.10	1.75	0.70	
C.O.D.	mg/L	57.6	48	8.19881	12.96	1.00	2.8	3.80	4.15	
D.O.	mg/L	8.20	8.00	6.51	6.78	4.70	3.90	7.13	7.23	
DO Saturation	(%)	97.00	92.00	75.97	78.45	55.00	45.00	82.25	84.25	
<b>CHEMICAL INDICES</b>										
HARDNESS asCa	(mgCaCO <sub>3</sub> /L)	245.00	151.00	62.21	67.36	0.00	24.00	83.50	75.25	
HARDNESS Total	(mgCaCO <sub>3</sub> /L)	325.00	547.00	173.39	172.32	0.00	56.00	125.75	142.75	
Sodium (%)	(%)	69.00	63.00	36.10	36.60	0.00	12.00	38.50	33.00	
RSC (-)		2.10	0.60	0.12	0.07	0.00	0.00	0.00	0.05	
SAR (-)		4.80	6.10	1.84	1.72	0.00	0.40	1.68	1.15	

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 Basin: Krishna Basin (Maharashtra)
- 2 River :Bhima
- 3 Site :Takli
- 4 Name & Location of Laboratory : Level II Laboratory , Upper Krishna Div. Pune
- 5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 30 parameters, monthly

Water Quality Data

PARAMETER	Unit	Analysis of Data From 1999-200 to 2008-09						Last year Average 2008-09		Remarks
		MAX. Observed		Average		Min. Observed		Monsoon	Non Monsoon	
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon			
<b>PHYSICAL</b>										
Conductivity	(µmho/cm)	1755	1527.0	645	768.4	8.30	8.30			
pH		8.60	8.60	8.29	8.21	7.60	7.50			
<b>CHEMICAL</b>										
Alkaline- Phenolphthelin	(mgCaCO3/L)	30.90	3.90	3.96	1.30	0.00	0.00	0.50		
Alkaline Total	(mgCaCO3/L)	820.00	248.00	140.69	155.00	38.00	99.00	82.75		
Boron	(mg/L)	0.85	0.96	0.35	0.47	0.01	0.25	0.15		
Calcium	(mg/L)	157.00	69.00	23.43	31.56	6.00	13.00	15.25		
Chloride	(mg/L)	244.60	139.70	78.67	92.56	26.90	52.90	76.55		
Carbonate	(mg/L)	37.20	4.70	4.77	1.57	0.00	0.00	0.60		
Fluoride	(mg/L)	0.63	0.53	0.29	0.27	0.05	0.05	0.28		
Iron	(mg/L)	0.60	0.80	0.19	0.13	0.00	0.00	0.23		
Bicarbonate	(mg/L)	500.00	303.00	137.17	185.56	39.00	119.00	99.50		
Potassium	(mg/L)	41.30	3.10	8.81	1.52	0.10	0.80	0.75		
Magnesium	(mg/L)	101.50	93.10	34.38	49.08	11.70	21.20	32.58		
Sodium	(mg/L)	180.10	192.10	58.20	69.04	16.20	12.70	46.60		
Ammonia	(mg/L)	0.28	0.36	0.15	0.16	0.00	0.00			
nitrite	(mg/L)	1.70	1.84	0.19	0.39	0.01	0.01	0.61		
Nitrate	(mg/L)	0.04	0.05	0.02	0.03	0.00	0.00	0.01		
Nitrate+ Nitrite	(mg/L)	1.71	1.89	0.47	0.99	0.03	0.50	0.62		
Phosphate Total	(mg/L)	0.23	0.98	0.06	0.21	0.00	0.00	0.08		
Silica	(mg/L)	38.10	33.60	20.03	15.55	8.80	1.80	10.35		
Sulphate	(mg/L)	167.30	779.00	44.07	127.93	1.70	9.40	84.28		

<b>BIOLOGICAL / BACTERIOLOGICAL</b>										
B.O.D.3-27	mg/L	3.70	3.20	1.32	1.65	0.10	0.30	1.20		
C.O.D.	mg/L	16.00	23.00	8.82	8.48	3.20	2.30	8.90		
D.O.	mg/L	6.60	7.80	4.88	6.03	2.40	4.10	3.90		
DO Saturation	(%)	78.00	84.00	59.28	69.50	30.00	42.00	49.00		
<b>CHEMICAL INDICES</b>										
HARDNESS asCa	(mgCaCO <sub>3</sub> /L)	96.00	392.00	44.22	85.23	16.00	28.00	38.25		
HARDNESS Total	(mgCaCO <sub>3</sub> /L)	458.00	441.00	214.00	238.95	112.00	87.00	174.00		
Sodium (%)	(%)	70.00	59.00	36.07	32.47	15.00	7.00	35.00		
RSC (-)		2.40	0.00	0.11	0.00	0.00	0.00	0.00		
SAR (-)		5.20	4.90	1.88	1.74	0.50	0.30	1.53		

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 Basin: Krishna Basin (Maharashtra)
- 2 River :Krishna
- 3 Site :Karad
- 4 Name & Location of Laboratory : Level II Laboratory , Upper Krishna Div. pune
- 5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 30 parameters, monthly

Water Quality Data

PARAMETER	Unit	Analysis of Data From 1999-200 to 2008-09						Last year Average 2008-09		Remarks
		MAX. Observed		Average		Min. Observed		Monsoon	Non Monsoon	
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon			
<b>PHYSICAL</b>										
Conductivity	(µmho/cm)	983.0	481	212.9	181.89	65.00	56	182.67	154.17	
pH		8.8	9	7.8	7.76	7.10	6.8	7.70	7.75	
<b>CHEMICAL</b>										
Alkaline- Phenolphthelin	(mgCaCO3/L)	10.0	30	0.96	1.21	0.00	0	0.00	0.00	
Alkaline Total	(mgCaCO3/L)	280.0	402	80.2	82.38	15.00	0	56.00	58.33	
Boron	(mg/L)	1.2	1	0.355	0.31	0.00	0.01		0.09	
Calcium	(mg/L)	52.0	70	16.454	17.11	0.00	0		12.67	
Chloride	(mg/L)	126.2	50	15.926	14.46	0.00	0		13.80	
Carbonate	(mg/L)	12.0	36	1.148	1.46	0.00	0	0.00	0.00	
Fluoride	(mg/L)	1.1	1	0.187	0.22	0.00	0.05		0.53	
Iron	(mg/L)	1.0	1	0.188	0.20	0.00	0		0.32	
Bicarbonate	(mg/L)	257.0	245	87.270	78.89	17.00	0	68.33	71.17	
Potassium	(mg/L)	18.5	9	4.048	1.97	0.00	0.1		0.68	
Magnesium	(mg/L)	71.5	36	10.300	7.02	0.00	0		6.22	
Sodium	(mg/L)	57.3	63	14.773	12.45	0.00	0		9.72	
Ammonia	(mg/L)	0.2	0	0.057	0.12	0.00	0			
nitrite	(mg/L)	0.0	0.07	0.273	0.189	0.00	0		0.06	
Nitrate	(mg/L)	2.52	1.54	0.358	0.389	0.00	0.01		0.31	
Nitrate+ Nitrite	(mg/L)	2.55	1.61	0.631	0.578	0.00	0.01		0.37	
Phosphate Total	(mg/L)	0.5	0	0.124	0.12	0.00	0		0.01	
Silica	(mg/L)	91.8	39	16.678	10.28	0.00	0		7.12	
Sulphate	(mg/L)	51.7	62	10.264	8.58	0.00	0		8.18	

<b>BIOLOGICAL / BACTERIOLOGICAL</b>										
B.O.D.3-27	mg/L	4.2	4	1.449	1.12	0.10	0	1.92	0.50	
C.O.D.	mg/L	20.0	14	7.900	6.68	1.00	1	7.60	2.62	
D.O.	mg/L	8.1	7	6.008	6.01	1.60	3.8	6.20	5.75	
DO Saturation	(%)	100.0	78	70.965	69.40	20.00	43	70.50	67.00	
<b>CHEMICAL INDICES</b>										
HARDNESS asCa	(mgCaCO3/L)	129.0	175	41.144	43.03	0.00	0		31.83	
HARDNESS Total	(mgCaCO3/L)	364.0	234	83.944	72.10	0.00	0		57.67	
Sodium (%)	(%)	57.0	54	22.822	25.24	0.00	0		33.17	
RSC (-)		1.3	1	0.154	0.10	0.00	0		0.08	
SAR (-)		1.5	2	0.715	0.61	0.00	0.2		0.65	



## STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 Basin: Krishna Basin (Maharashtra)
- 2 River :Krishna
- 3 Site :Kurundwad
- 4 Name & Location of Laboratory : Level II Laboratory , Upper Krishna Div. pune
- 5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 30 parameters, monthly

[Water Quality Data](#)

## Statewise / Basinwise information on Water Quality

- 1) Description of water Resources : Surface water River : Krishna Site : Kurundwad
- 2) Description of Monitoring / Laboratory Network : Level II Lab (Upper Krishna Division, CWC,Pune)
- 3) Description of parameter and frequency of monitoring : Monthly
- 4) Analysis Data

PARAMETER	Unit	Analysis of Data From 1999-200 to 2008-09						Last year Average 2008-09		Remarks
		MAX. Observed		Average		Min. Observed		Monsoon	Non Monsoon	
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon			
<b>PHYSICAL</b>										
Conductivity	(µmho/cm)	427	0	248		108	0	230		
pH		8.3	0	7.76		7.00	0	7.70		
<b>CHEMICAL</b>										
Alkaline- Phenophthelin	(mgCaCO3/L)	0.0	0	0.000		0.00	0	0.00		
Alkaline Total	(mgCaCO3/L)	660.0	0	97.133		28.00	0	49.50		
Boron	(mg/L)	0.3	0	0.084		0.00	0	0.07		
Calcium	(mg/L)	113.0	0	24.188		9.00	0	18.25		
Chloride	(mg/L)	55.4	0	26.110		3.80	0	14.35		
Carbonate	(mg/L)	0.0	0	0.000		0.00	0	0.00		
Fluoride	(mg/L)	1.0	0	0.213		0.05	0	0.10		
Iron	(mg/L)	0.5	0	0.202		0.00	0	0.23		
Bicarbonate	(mg/L)	403.0	0	92.050		34.00	0	60.50		
Potassium	(mg/L)	23.4	0	10.319		0.10	0	1.13		
Magnesium	(mg/L)	31.9	0	8.933		1.50	0	7.30		
Sodium	(mg/L)	25.6	0	14.708		3.10	0	9.08		
nitrite	(mg/L)	0.1	0	0.018		0.00	0	0.01		
Nitrate	(mg/L)	3.2	0	1.500		0.05	0	0.57		
Nitrate+ Nitrite	(mg/L)	3.2	0	1.519		0.06	0	0.58		
Phosphate Total	(mg/L)	0.3	0	0.123		0.00	0	0.01		
Silica	(mg/L)	12.7	0	7.189		3.90	0	5.13		
Sulphate	(mg/L)	52.3	0	21.317		4.60	0	23.95		

BIOLOGICAL / BACTERIOLOGICAL									
B.O.D.3-27	mg/L	3.2	0	0.661		0.10	0	0.45	
C.O.D.	mg/L	18.0	0	6.546		1.00	0	1.73	
D.O.	mg/L	7.2	0	6.130		4.70	0		
DO Saturation	(%)	85.0	0	72.313		53.00	0		
<b>CHEMICAL INDICES</b>									
HARDNESS asCa	(mgCaCO3/L)	283.0	0	60.417		22.00	0	45.50	
HARDNESS Total	(mgCaCO3/L)	301.0	0	97.542		35.00	0	76.00	
Sodium (%)	(%)	33.0	0	22.854		15.00	0	19.50	
RSC (-)		0.6	0	0.069		0.00	0	0.00	
SAR (-)		1.0	0	0.642		0.20	0	0.40	

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 Basin: Krishna Basin (Maharashtra)
- 2 River :Gad
- 3 Site :Belne Bridge
- 4 Name & Location of Laboratory : Level II Laboratory , Upper Krishna Div. pune
- 5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 30 parameters, monthly

Water Quality Data

PARAMETER	Unit	Analysis of Data From 1999-200 to 2008-09						Last year Average 2008-09		Remarks
		MAX. Observed		Average		Min. Observed		Monsoon	Non Monsoon	
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon			
<b>PHYSICAL</b>										
Conductivity	(µmho/cm)	314.00	146.00	99.49	117.93	54.00	96.00	118.83	120.00	
pH		8.50	8.10	7.55	7.65	6.70	7.30			
<b>CHEMICAL</b>										
Alkaline- Phenophthelin	(mgCaCO3/L)	5.20	0.00	0.27	0.00	0.00	0.00	0.00	0.00	
Alkaline Total	(mgCaCO3/L)	130.10	102.20	48.82	58.11	14.00	22.00	25.33	40.67	
Boron	(mg/L)	0.91	0.62	0.15	0.13	0.00	0.00	0.08	0.14	
Calcium	(mg/L)	14.80	18.90	7.93	10.66	4.00	7.00	7.07	11.40	
Chloride	(mg/L)	40.00	27.00	9.67	11.20	5.00	7.00	9.67	16.33	
Carbonate	(mg/L)	6.30	0.00	0.32	0.00	0.00	0.00	0.00	0.00	
Fluoride	(mg/L)	0.90	0.72	0.14	0.18	0.05	0.05	0.10	0.22	
Iron	(mg/L)	0.80	0.30	0.15	0.08	0.00	0.00	0.32	0.17	
Bicarbonate	(mg/L)	79.30	65.90	32.42	40.85	15.90	15.90	30.92	49.60	
Potassium	(mg/L)	7.90	9.00	1.69	1.75	0.10	0.20	1.08	0.83	
Magnesium	(mg/L)	8.70	11.20	3.52	4.90	0.50	1.20	2.12	4.67	
Sodium	(mg/L)	15.00	10.00	5.41	6.01	2.00	4.00	6.83	7.33	
Ammonia	(mg/L)	0.06	0.05	0.05	0.05	0.05	0.00			
nitrite	(mg/L)	0.10	0.10	0.00	0.02	0.00	0.00	0.00	0.03	
Nitrate	(mg/L)	3.71	0.70	0.23	0.14	0.01	0.01	0.17	0.06	
Nitrate+ Nitrite	(mg/L)	3.70	0.80	0.24	0.17	0.00	0.00	0.20	0.10	
Phosphate Total	(mg/L)	0.27	0.72	0.05	0.12	0.00	0.00	0.01	0.24	
Silica	(mg/L)	25.50	19.20	7.66	6.91	0.30	0.63	6.31	5.71	
Sulphate	(mg/L)	40.00	26.00	5.25	7.85	1.00	2.00	1.67	4.33	

<b>BIOLOGICAL / BACTERIOLOGICAL</b>										
B.O.D.3-27	mg/L	2.30	3.30	0.71	0.93	0.10	0.10	0.45	1.03	
C.O.D.	mg/L	52.60	41.30	9.53	10.40	1.00	1.80	1.83	3.40	
D.O.	mg/L	7.30	7.90	5.13	6.97	0.00	0.00	0.00		
DO Saturation	(%)	90.00	96.00	54.69	68.27	0.00	0.00	0.00		
<b>CHEMICAL INDICES</b>										
HARDNESS asCa	(mgCaCO <sub>3</sub> /L)	37.00	47.00	19.89	26.85	10.00	18.00	17.67	28.67	
HARDNESS Total	(mgCaCO <sub>3</sub> /L)	73.00	66.00	34.46	47.10	14.00	25.00	26.33	48.00	
Sodium (%)	(%)	57.00	35.00	25.88	21.61	9.00	12.00	32.83	24.00	
RSC (-)		0.23	0.33	0.04	0.02	0.00	0.00	0.03	0.02	
SAR (-)		1.00	1.00	0.27	0.20	0.00	0.00	0.33	0.00	

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

- 1 Basin: Krishna Basin (Maharashtra)
- 2 River :Kal
- 3 Site :Mangaon
- 4 Name & Location of Laboratory : Level II Laboratory , Upper Krishna Div. pune
- 5 Type of Staion, Parameter and frequency of monitoring : Trend Station , 30 parameters, monthly

Water Quality Data

PARAMETER	Unit	Analysis of Data From 1999-200 to 2008-09						Last year Average 2008-09		Remarks
		MAX. Observed		Average		Min. Observed		Monsoon	Non Monsoon	
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon			
<b>PHYSICAL</b>										
Conductivity	(µmho/cm)	572.00		105.85		50.00	0.00	84.50		
pH		8.30		7.53		6.80	0.00	7.33		
<b>CHEMICAL</b>										
Alkaline- Phenophthelin	(mgCaCO3/L)	2.20		0.07		0.00	0.00	0.00		
Alkaline Total	(mgCaCO3/L)	229.10		69.32		14.00	0.00	21.50		
Boron	(mg/L)	0.68		0.16		0.00	0.00	0.04		
Calcium	(mg/L)	33.30		9.04		2.40	0.00	6.60		
Chloride	(mg/L)	54.00		9.29		1.00	0.00	6.00		
Carbonate	(mg/L)	2.70		0.09		0.00	0.00	0.00		
Fluoride	(mg/L)	0.50		0.15		0.05	0.00	0.05		
Iron	(mg/L)	1.20		0.11		0.00	0.00	0.40		
Bicarbonate	(mg/L)	137.00		44.69		8.50	0.00	26.23		
Potassium	(mg/L)	9.00		1.69		0.10	0.00	1.00		
Magnesium	(mg/L)	40.00		4.67		0.20	0.00	2.78		
Sodium	(mg/L)	27.00		6.12		2.00	0.00	4.00		
Ammonia	(mg/L)	0.15		0.0608		0.05	0.00			
nitrite	(mg/L)	0.10		0.01		0.00	0.00	0.00		
Nitrate	(mg/L)	1.06		0.18		0.01	0.00	0.16		
Nitrate+ Nitrite	(mg/L)	1.10		0.18		0.00	0.00	0.18		
Phosphate Total	(mg/L)	0.44		0.08		0.00	0.00	0.00		
Silica	(mg/L)	89.10		11.26		0.60	0.00	5.25		
Sulphate	(mg/L)	74.00		6.74		1.00	0.00	6.75		

<b>BIOLOGICAL / BACTERIOLOGICAL</b>									
B.O.D.3-27	mg/L	2.90	0.88	0.10	0.00	0.53			
C.O.D.	mg/L	9.40	4.32	1.00	0.00	2.63			
D.O.	mg/L	7.80	6.38	2.80	0.00	6.30			
DO Saturation	(%)	96.00	80.440	36.00	0.00	79.00			
<b>CHEMICAL INDICES</b>									
HARDNESS asCa	(mgCaCO <sub>3</sub> /L)	83.00	22.603	6.00	0.00	16.50			
HARDNESS Total	(mgCaCO <sub>3</sub> /L)	207.00	42.083	8.00	0.00	28.00			
Sodium (%)	(%)	64	25.293	11.00	0.00	23.75			
RSC (-)		1.32	0.09645	0.00	0.00	0.02			
SAR (-)		2.0	0.268333	0.00	0.00	0.25			