

**Latest Water quality of polluted river, its tributaries, drains and ground water quality in the catchment of Polluted river stretches during August, 2020**

**Polluted River stretch : August, 2020**

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
1. Gangua nallah (D/s Bhubaneswar) (Priority-I)	Rajdhani Engineering College	6.9	2.5	5.2	92000	54000	170	NC
	Palasuni	6.8	2.3	5.4	160000	160000	220	NC
	Samantarapur	7.1	3.2	6.3	160000	92000	240	NC
	Vadimula	7.2	4.9	4.2	7900	2300	49	NC
2. Daya River (Bhubaneswar to Bargarh) (Priority-IV)	Bhubaneswar D/s at Kanti	7.3	4.6	3.9	5400	1700	2	NC
	Bhubaneswar FD/s at Manitri	7.3	5.3	2.9	2400	790	<1.8	NC
	Kanas	7.5	5.5	2.9	35000	17000		NC
3. Kuakhai River (Urali to Bhubaneswar) (Priority-IV)	Bhubaneswar FU/s	7.4	7.2	1.1	490	130	<1.8	C
	Bhubaneswar U/s	7.4	7	1.3	1300	330	2	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

**Ground Water quality of Bhubaneswar city along Kuakhai River, Daya River and Gangua nallah**

Station Name	Month	pH	BOD, mg/L	Nitrate-mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL
Khandagiri Area	April, 2020	6.1	0.3	n.a.	<1.8	<1.8
Old town-Samantarapur Area	April, 2020	7.1	0.4	n.a.	33	4.5
Kalpana-Laxmisagar Area,	April, 2020	6.1	0.3	n.a.	79	4.5
Chandrasekharapur	April, 2020	6.5	0.3	n.a.	<1.8	<1.8
Capital Hospital Area,	April, 2020	5.1	0.7	n.a.	<1.8	<1.8
Secretariate-Govenor House-Old bus stand Area	April, 2020	No sampling as the area declared as Containment Zone to contain COVID 19 Pandemic				
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	-	45	Absent	Absent

n.a. : Not analysed

**Polluted River stretch : August, 2020**

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/100 mL	FC, MPN/100 mL	FS, MPN/100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
4. Kathajodi River (Cuttack to Urali) (Priority-III)	Cuttack D/s	8	8.4	3.6	54000	24000	11	NC
	Cuttack FD/s at Mattagajpur	7.5	8.4	3.3	13000	7900	4	NC
5. Serua River (Khandaeta to Sankhatrasa) (Priority-V)	Cuttack FD/s at Sankhatrasa	7.9	8.1	2.8	54000	22000	13	NC
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

**Ground Water quality of Cuttackcity along Mahanadi river, Kathajodi River and Serua river**

Stn Name	Month	pH	BOD, mg/L	Nitrate-mg/L	TC, MPN/100 mL	FC, MPN/100 mL
Jagatpur	April, 2020	6.8	0.2	n.a.	2	<1.8
Mangalabag	April, 2020	7.3	0.2	n.a.	2	<1.8
Madhupatna-Kalyan Nagar Area	April, 2020	6.9	0.5	n.a.	1.8	1.8
Badambadi Area	April, 2020	7.3	0.6	n.a.	<1.8	<1.8
Bidanasi-Tulsipur Area,	April, 2020	7.6	0.2	n.a.	<1.8	<1.8
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	-	45	Absent	Absent

n.a. : Not analysed

**Characteristic of Drains falling on Kathajodi river (August, 2020)**

Sl. No.	Station Name	Parameters					
		pH	BOD, mg/l	COD, mg/l	TSS, mg/l	TC	FC
						MPN/100ml	
1	Outlet of STP, Cuttack at CDA-Bidanasi area (36 MLD)	7.4	2.3	11.1	7.0	<1.8	<1.8
2	Wastewater discharge to Kathajodi river through sluice gate at Khannagar	7.0	46.6	100.8	25.0	1t60000	92000
3	Wastewater discharge to Kathajodi river at Mattagajpur	6.5	1.8	14.7	5.0	3500	790

**Polluted River stretch : August, 2020**

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
6. Guradih nallah Along Rourkela <b>(Priority-III)</b>	Rourkela (before confluence with Brahmani river)	7.5	2.7	6.3	54000	17000	350	NC
7. Brahmani (Rourkela to Biritola) <b>(Priority-V)</b>	Panposh D/s at Deogaon	7.2	2.8	5.4	17000	7900	33	NC
	Rourkela D/s at Jalda	7.3	7.9	5.2	14000	3300	49	NC
	Rourkela FD/s at Attaghat	7.3	5.6	3.6	11000	3300	17	NC
	Rourkela FFD/s at Biritola	7.3	8.2	3.2	790	330	11	NC
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

No Ground water quality monitoring in Rourkela city by State Pollution Control Board, Odisha

**Polluted River stretch : August, 2020**

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
8. Nandira jhor D/s Talcher <b>(Priority-III)</b>	Nandira D/s at Dasnali	7.8	5.4	1.7	790	230	4	C
9. Banguru nallah Along Talcher <b>(Priority-V)</b>	Along Talcher	7.9	6	1.6	3500	1700	13	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

**Ground Water quality of Talcher city along in the catchment of Nandira jhor and Banguru nallah**

Stn Name	Month	pH	BOD, mg/l	Nitrate- mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml
Talcher Town	April, 2020	7.6	0.4	n.a.	<1.8	<1.8
Meramundali area	April, 2020	7.9	0.8	n.a.	<1.8	<1.8
Talcher Thermal area	April, 2020	7.6	0.7	n.a.	<1.8	<1.8
Banarpal	April, 2020	7.2	0.5	n.a.	<1.8	<1.8
Kulad	April, 2020	7.5	1.1	n.a.	<1.8	<1.8
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	-	45	Absent	Absent

n.a. : Not analysed

**Polluted River stretch : August, 2020**

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
10. Mahanadi (Sambalpur to Paradeep) (Priority-V)	Sambalpur D/s	7.6	7	1.9	3500	490	4	C
	Sambalpur FD/s at Shankarmath	7.2	7.2	1.3	2800	1300	17	C
	Sambalpur FFD/s at Huma	7.5	7.2	1.2	1700	490	11	C
	Sonepur U/s	7.7	7	1	490	130	2	C
	Sonepur D/s	8.2	6.6	1.1	790	230	4	C
	Tikarpada	7.5	6.8	1.6	790	230	11	C
	Narasinghpur	7.5	7.5	1.7	230	78	2	C
	Munduli	7.8	7.4	1	170	45	<1.8	C
	Cuttack U/s	7.5	8.1	0.8	330	130	<1.8	C
	Cuttack D/s	7.7	8.4	1.2	1700	490	11	C
	Cuttack FD/s	7.7	7.5	1	330	130	2	C
	Paradeep U/s	7.9	7	0.9	700	170	11	C
Paradeep D/s	8.4	6.6	1.5	130	20	4	C	
11. Bheden Along Bheden (Priority-V)	Jharsuguda	7.8	7.8	1.2	230	45	n.a.	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

**Water quality of Tributaries of Mahanadi River (August, 2020)**

Name of river	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
Ib River	Sundargarh	7.6	8.2	1.6	1100	230	n.a.	C
	Jharsuguda	8	8.2	1.4	1100	230	n.a.	C
	BrajrajnagarU/S	7.9	8.4	1.1	490	78	n.a.	C
	BrajrajnagarD/S	7.7	7.6	1.4	700	130	n.a.	C
Ong River	Dharuakhaman	8.5	6.8	1.1	170	45	n.a.	C
Tel River	Monmunda	8.3	7	1.2	130	45	n.a.	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

## Ground Water quality

Stn Name	Month	pH	BOD, mg/l	Nitrate- mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml
<b>Sambalpur town Along Mahanadi River</b>						
Near Panthanivas	April, 2020	7.9	0.7	n.a.	<1.8	<1.8
Near Railway station	April, 2020	7.4	0.4	n.a.	23	2
Near VSS Medical College, Burla	April, 2020	7.9	0.8	n.a.	<1.8	<1.8
<b>Paradeep town Along Mahanadi River</b>						
Badapadia market complex	April, 2020	8.3	0.7	n.a.	<1.8	<1.8
Musadiha	April, 2020	8.1	0.3	n.a.	7.8	2
<b>Jharsuguda town in the catchment of Bheden river and Ib river</b>						
Burkhamunda	April, 2020	6.9	0.4	n.a.	<1.8	<1.8
Badamal Industrial Estate	April, 2020	6.5	0.8	n.a.	<1.8	<1.8
Budhipadar	April, 2020	6.4	0.3	n.a.	<1.8	<1.8
Brajarajnaragar Mining belt	April, 2020	7.1	0.7	n.a.	<1.8	<1.8
Rampur area (Water tank)	April, 2020	7.1	0.4	n.a.	<1.8	<1.8
Ib thermal power station	April, 2020	7.2	0.3	n.a.	<1.8	<1.8
Belpahar area	April, 2020	7.1	0.2	n.a.	<1.8	<1.8
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	-	45	Absent	Absent

n.a. : Not analysed

**Polluted River stretch : August, 2020**

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/100 mL	FC, MPN/100 mL	FS, MPN/100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
12. Mangala (Along Puri) <b>(Priority-V)</b>	Mangala D/s at Golasahi	7.4	6.2	1.3	3500	790	4	C
13. Nuna (Along Bijipur, Puri) <b>(Priority-V)</b>	Luna at Bijipur	7.1	6.8	1.6	54000	22000	130	NC
14. Ratnachira (Along Sakhigopal, Puri) <b>(Priority-V)</b>	Kumardihi	6.7	6.2	1.1	2200	490	4	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

**Ground Water quality of Puri town along Mangala river**

Stn Name	Month	pH	BOD, mg/l	Nitrate-mg/l	TC, MPN/100 ml	FC, MPN/100 ml
Hospital-Bus stand-Mausima temple area	April, 2020	7.9	0.2	n.a.	<1.8	<1.8
Near Jagannath Temple,	April, 2020	7.9	0.4	n.a.	<1.8	<1.8
Near Sea Beach	April, 2020	8.2	0.3	n.a.	13	<1.8
Baliapanda	April, 2020	7.8	0.4	n.a.	4.5	<1.8
Drinking water Specification (IS : 10500:2012)Desirable limit		6.5-8.5	-	45	Absent	Absent

n.a. : Not analysed

**Characteristic of Drain falling on Mangala river (August, 2020)**

Sl. No.	Station Name	Parameters					
		pH	BOD, mg/l	COD, mg/l	TSS, mg/l	TC	FC
						MPN/100ml	
1	Outlet of STP, Puri at Mangalaghat (15 MLD)	8.1	18.0	41.6	39.0	17000	7900

**Polluted River stretch : August, 2020**

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
15. Nagavali (Jaykaypur to Rayagada) (Priority-V)	Jayakaypur D/s	7.5	6.1	1.7	2200	790	2	C
	Rayagada D/s	7.6	7.2	1.3	2200	490	2	C

No Ground water quality monitoring in Rayagada town by State Pollution Control Board, Odisha

**Polluted River stretch : August, 2020**

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
16. Budhabalanga (Mahulia to Baripada) (Priority-V)	Baripada D/s	7.2	6	1.9	7900	2200	79	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

No Ground water quality monitoring in Baripada town by State Pollution Control Board, Odisha



**Polluted River stretch : August, 2020**

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
17. Kusumi Along Tangi (Priority-V)	Along Tangi	7.2	6.4	2.0	3500	1300	<1.8	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

No Ground water quality monitoring in Tangi town by State Pollution Control Board, Odisha

**Polluted River stretch : August, 2020**

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
18. Rushikulya Pratappur to Ganjam (Priority-V)	Madhopur	7.4	7.2	1.6	17000	4900	4	NC
	Potagarh	7.9	6.5	1.3	230	78	4	C
19. Sabulia Along Jagannathpatna, Rambha (Priority-V)	Jagannathpatna, Rambha	7.6	5.8	1.7	2200	1100	<1.8	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

**Ground Water quality of Berhampur town in the catchment of Rushikulya river**

Stn Name	Month	pH	BOD, mg/l	Nitrate-mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml
Near MKCG Medical College	April, 2020	7.2	0.2	n.a.	<1.8	<1.8
Bus stand	April, 2020	7.9	0.4	n.a.	17	4.5
Badabazar	April, 2020	7.1	0.7	n.a.	<1.8	<1.8
Railway station	April, 2020	7.3	0.3	n.a.	<1.8	<1.8
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	-	45	Absent	Absent

n.a. : Not analysed

