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**STATE POLLUTION CONTROL BOARD, ODISHA**  
[DEPARTMENT OF FOREST & ENVIRONMENT, GOVERNMENT OF ODISHA]  
Paribesh Bhawan, A/118, Nilakantha Nagar, Unit - VIII  
Bhubaneswar - 751 012

No. 3355

Ind. VI-2824 (Pt. VI)/19-20

Dt. 04.03.21

To

Dr. D. P. Mathuria, Executive Director,  
National Mission for Clean Ganga,  
Department of Water Resources, River Development & Ganga Rejuvenation,  
Ministry of Jal Shakti, 1<sup>st</sup> Floor, Major Dhyan Chand National Stadium,  
India Gate, New Delhi - 110 002

**Sub: Submission of Monthly Progress Report for January 2021 related to Control of River Pollution - Reg.**

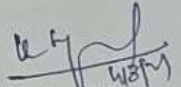
**Ref: Email dtd. 08.10.2020**

Sir,

In inviting reference to above subject, the Monthly Progress Report for the month of January, 2021 as per the Revised MPR Format in compliance to the Proceedings of the 8<sup>th</sup> Central Monitoring Committee is enclosed herewith for your kind information and necessary action.

Yours faithfully,

Encl : As above

  
Member Secretary

Memo No. 3356

Dt. 04.03.21

Copy forwarded to Dr. J. C. Babu, Addl. Director, WQM-I Division, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi - 110 032 for kind information and necessary action.

Encl : As above

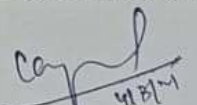
  
Member Secretary

Memo No. 3357

Dt. 04.03.21

Copy forwarded to Director, Env.-cum. Spl. Secretary to Government, Forest and Environment Department, Govt. of Odisha for kind information and necessary action.

Encl : As above

  
Member Secretary

**National Mission for Clean Ganga**  
**Format for submission of Monthly Progress Report in the NGT Matter OA**  
**No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)**

**For the State of ODISHA for the month of January, 2021**

**Overall status of the State:**

I. Total Population: Urban Population & Rural Population separately

As per **Census 2011**,

Total population of Odisha	is	4,19,74,218.
Urban population	is	70,03,656.
Rural population	is	3,49,70,562

II. Estimated Sewage Generation (MLD):

Sewage generation in the State :	367 MLD
	(Only from Puri, Bhubaneswar, Cuttack, Sambalpur, Rourkela and Talcher)

**III Details of Sewage Treatment Plant:**

- Existing no. of STPs and Treatment Capacity (in MLD): 5 Nos : 91 MLD
- Capacity Utilization of existing STPs: 69.39 MLD
- MLD of sewage being treated through Alternate technology: 452 KLD (0.452 MLD)

(At present 452 KLD (0.452 MLD) septage is being treated through Septage Treatment Plants in 11 ULBs of the State. It is targeted to construct 107 SeTPs during the year 2021-22 for the treatment of 1.565 MLD (1565 KLD) septage to cover all 114 ULBs).

- Gap in Treatment Capacity in MLD: 297 MLD
- No. of Operational STPs: 5 STPs
- No. of Complying STPs: 3 STPs
- No. of Non-complying STPs: 2 STPs

**Details of each existing STP in the State**

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	CDA-Bidanasi area, Cuttack	36 MLD	18.39 MLD	Operational	Complying
2	Mattagajpur, Cuttack	33 MLD	33 MLD	Operational	Complying
3	Mangalaghat, Puri	15 MLD	11 MLD	Operational	Complying
4	Bankimuhan, Puri	5 MLD	5 MLD	Operational	Not-Complying
5	Mandapal, Talcher	2 MLD	2 MLD	Operational	Not-Complying

**Details of under construction STPs in the State**

No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Dhanupalli, Sambalpur	40 MLD	93% completed	Not taken up	Targeted for part commissioning during March, 2021
2	Mattagajpur, Cuttack	16 MLD	78.10 % completed	76.88% (11533/ 15000 Nos)	March, 2021
3	Meherpalli, Bhubaneswar	56 MLD	STPs under Trial Run	78.49% (41025/ 52267 Nos)	STPs under Trial Run since December, 2020
4	Basuaghai, Bhubaneswar	28 MLD		78% (17065/ 21832 Nos)	
5	Kochilaput, Bhubaneswar	43.5 MLD		29.77% (12880/ 43260 Nos)	
6	Paikarapur, Bhubaneswar	8 MLD		62% (2786/ 4486 Nos)	
7	Rokat, Bhubaneswar	48 MLD	67.20% completed	Not taken up	June, 2021
8	Ruptala Balughat, Rourkela	40 MLD	STPs under Trial Run	0.2 % (84/ 42440)	STP under Trial Run and Testing under Progress since Dec. 2020

**Details of proposed STPs in the State**

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
			Nil	

Since laying of maintaining sewerage networks involve land issues, delay and huge capital and Operation and Maintenance costs, steps are being taken to cover all the cities and towns in the State by setting up Septage Treatment Plants to manage the faecal wastewater to reduce environmental pollution. In this process all 114 ULBs of Odisha will be covered.

(Information received from Orissa Water Supply and Sewerage Board has been attached as Annexure-1)

**Details of Non-complying STPs During January, 2021**

Sl. No.	Station Name				
		pH	BOD, mg/l	TSS, mg/l	FC (MPN/100ml)
1	Outlet of STP, Talcher at Mandapal (2 MLD)	7.1	62.5	31.0	>1,60,000
2	Outlet of STP, Bankimuhan at Puri (5 MLD)	7.6	60.0	48.0	92000

Concerned ULBs have been directed to take necessary steps at the earliest to bring outlet quality within the prescribed norm for Sewage Treatment Plants.

#### IV. Details of Industrial Pollution:

- Total Number of Industries : 7300
- No. of water polluting industries in the State: 1222
- Quantity of effluent generated from the industries in MLD: 802.56 MLD  
(For treatment)
- Quantity of Hazardous Sludge generated from the Industries in TPD:141.9 TPD
- Number of industrial units having ETPs: 1193
- Number of industrial units connected to CETP: No CETP in the State
- Number and total capacity of ETPs (details of existing/ under construction / proposed)  
Existing : 1193 Numbers, 1024 MLD  
Under Construction : Nil  
Proposed : Nil  
**Total : 1193 Numbers, 1024 MLD**
- Compliance status of the ETPs: ETP Outlets are complying to the discharge norms.  
As per the frequency of inspection norms vide Office Order 1081 dated 31.01.2020, ETPs of 107 numbers of Industries have been inspected for compliance status during January, 2021. Out of these 98 ETPs comply to the discharge norms.  
Wherever violation is observed, show cause notices are being issued to the industries. During January, 2021, Closure direction has been issued to 29 number of units for operating without ETPs. Show Cause Notice Issued to Four Industries for non-compliance of ETPs and Action to be taken for one industry is under progress.
- Number and total capacity of CETPs (details of existing/ under construction / proposed) Nil
- Status of compliance and operation of the CETPs :

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Not applicable				

#### V. Solid Waste Management:

- Total number of Urban Local Bodies and their Population: 114 Urban Local Bodies
  - Total number of Urban Local Bodies:114
  - Population: 60,35,851(as per 2011 census)

- Current Municipal Solid Waste Generation : 1914 TPD
- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc
- Existing MSW Processing Facilities :

Type of Processing Facility	Numbers	Installed Capacity	Utilization
Compost Plant- Micro Composting Centre (MCC)	164	786	71 %
Materials Recovery Facility (MRF)	140	567	76 %

- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)
- ✓ Waste generation has come down because of the pandemic COVID-19 due to which quantity of waste reaching the decentralized compost plants has come down. This resulted in reduced utilization of compost plant. As the spread of pandemic comes down, the waste generation will increase, resulting increase in plant utilization.
- ✓ Compost plants are designed for a higher capacity considering population forecast. Therefore, presently the compost plants will run at lesser capacity.
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)

All 114 ULBs have designated sites for storage of Construction & Demolition waste. 126 numbers of such sites across all ULBs of Odisha have been notified for wider circulation amongst public. Further, the C&D waste is used for construction of road subgrade, temporary pathways, raising the low-lying areas, etc. thereby offsetting the use of soil for all these purposes.

- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source

Total no. of Wards	No. of Wards having Door to door collection Service	No. of Wards practicing Source Segregation
2035	2035 (100%)	1822 (89.5%)

- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)

- **MSW processing facilities Proposed:**
  - Composting Facility - Micro Composting Center (MCC) : 242 Nos. (Capacity : 1,210 TPD)
  - Material Recovery Facilities (MRF): 235 Nos. (Capacity:1,076 TPD)
- MSW processing facilities Functional :
  - Composting Facility- Number of Functional Micro Composting Center (MCC) : 164 Nos.(Capacity : 786 TPD)
  - Number of Functional Material Recovery Facilities (MRF) : 140 Nos.. (Capacity: 567 TPD)
- MSW processing facilities Under Construction:
  - Composting Facility - Micro Composting Centres (MCC): 75 Nos. (Capacity : 314 TPD)
  - Material Recovery Facilities (MRF): 30 Nos. (Capacity: 97 TPD)
- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.
  - Garbage dumpsites: 9 numbers (170 Acre approx.)
  - Sanitary Landfill: Nil
- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers : Nil
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers
  - No. of drains reaching to River System, lakes, Water Bodies, Pond, Marsh Land, Water Lands: 225
  - Drains having floating racks/screens installed: 225

**Status of ULB wise Management of Solid Waste**

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Enclosed as Annexure-2					

(Information received from Housing and Urban Development Department , Govt. of Odisha has been attached as Annexure-2)

## **VI. Bio-medical Waste Management:**

- Total Bio-medical generation: 17993.14 Kg/Day (As per Annual Report, 2019 sent to CPCB)
- No. of Hospitals and Health Care Facilities: 3600  
During December,
- Status of Treatment Facility/ CBMWTF: --  
Bio-medical wastes generating from the health care establishments are being managed either through common biomedical waste treatment and Disposal (CBWTDF) facilities or by deep-burial practice.
  1. M/s. Sani Clean Pvt. Limited, Tangiapada, Dist: Khurda
  2. M/s. Mediaid Marketing Services, Amasranga, Dist: Sundargarh
  3. M/s. Mediaid Marketing Services, Seragada, Dist: Ganjam
  4. M/s. MediAid Marketing Services, (SCB Medical College and Hospital, Cuttack)
  5. M/s. Bio-Tech Solution, Berhampur (VSS Medical College and Hospital, Burla, Sambalpur)
  6. Mis. Life Line Pharma, (MKCG MCH) Berhampur, Ganjam

## **VII. Hazardous Waste Management:**

- Total Hazardous Waste generation: 6,79,849 T Tonne/Annum  
(Monthwise data is not available. Monthwise generation of Hazardous waste are not submitted by the hazardous waste generator. However, as per the hazardous and other waste (Management and Transboundary Movement) Rules, 2016, All the occupiers of hazardous units are required to submit annual return by 13<sup>th</sup> June, for the preceeding financial year.)
- No. of Industries generating Hazardous waste : 382 (Upto Decmber, 2020)
- Treatment Capacity of all TSDFs :
  - (a) SLF Capacity : 75,000 Tonne/Annum
  - (b) Treatment Capacity : 12,000 Tonne/ Annum
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated : 60000 Tonne/ Annum.
- Details of on-going or proposed TSDF :

A common Hazardous waste Treatment, Storage and Disposal Facility (CHWTSDF) has been established during the financial year 2010-11 at Kanchichuan in Jajpur district of Odisha. The Facility is being operated by M/s Ramky Enviro Engineers

Ltd, Hyderabad. So far, 179 nos. of Industries/ Mines have taken membership agreement with the CHWTSDF. Treatment Capacity of the TSDF is as follows :

- (a) SLF Capacity : 75,000 Tonne/Annum
- (b) Treatment Capacity : 12,000 Tonne/ Annum

On an average, 60,000 TPA of Hazardous waste is being treated in the TSDF.

Two more TSDFs are in proposal stage.

- (i) M/s Western Integrated Waste management Facility Pvt. Ltd., Dist- Deogarh (Obtained Term of Reference Only)
- (ii) M/s Ramky Enviro of Common Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF) at Tehsil- Lakhapur, Dist- Jharsuguda (Obtained Term of Reference Only)

### **VIII. Plastic Waste Management:**

- Total Plastic Waste generation: 95 TPD
- Treatment/ Measures adopted for reduction or management of plastic waste:
  - The trade, manufacture, import, store, carry, transport and use of single use plastic and plastic carry bags are prohibited within the jurisdiction of all ULBs
  - The segregated and stored plastic waste at Materials Recovery Facilities are sold off to registered plastic recyclers for further processing and recycling.
  - Non-Recyclable Plastic Waste are sent to Cement Factory for Co-Processing.

### **IX. Details of Alternate Treatment Technology being adopted by the State/UT**

Besides, establishing Sewage Treatment Plants for treatment of municipal wastewater, actions has also been taken to treat fecal sludge being generated from the urban local bodies under Septage Management System in a phased manner is envisaged to be taken up during the period from 2016-17 to 2021-22 which will lead to improved urban sanitation with positive impact on public health, environment & river water quality. Since the cost of construction and Operation and Maintenance of Septage Treatment Projects is low, such projects are now implemented in different ULBs of the State. The status of Septage Management Plants undertaken in the State of Odisha is given in Annexure- 4.

At present 452 KLD (0.452 MLD) septage is being treated through Septage Treatment Plants in 11 ULBs of the State. It is targeted to construct 107 SeTPs during the year 2021-22 for the treatment of 1.565 MLD (1565 KLD) septage to cover all 114 ULBs

(Information received from Housing and Urban Development Department , Govt. of Odisha has been attached as Annexure-3)



- X.** Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment: Drains contributing to river pollution have been identified by H & UD Department. Detail information is under preparation
- XI.** Details of Nodal Officer appointed by Chief Secretary in the State/UT:
- XII.** Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
- XII.** Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;

Enclosed as Annexure-5.

Status of Polluted River stretches in the State of Odisha during the period 2017-2020 with maximum BOD values during the year is given as Annexure-6 (a) and Summary of number of polluted river stretches under different category during the period 2017-2020 is given as Annexure-6 (b).

Latest water quality of all river water quality stations being monitored by the Board is given as Annexure-6 (c).

**XIV.** Ground water regulation:

1. So far no such cases of illegal groundwater abstraction are noticed.
2. Govt. of Odisha has formulated an act for regulation of groundwater namely “The Odisha Groundwater (Regulation, Development and Management) Act, 2011”
3. Central Ground Water Board (CGWB) and District Level Evaluation Committee(DLEC) strictly control the groundwater abstraction by the industries.
4. Chief Engineer and Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in 10 years interval.

**XV.** Good irrigation practices being adopted by the State:

Inflow from the catchment and outflow from the river of the basins are managed effectively by the Chief Engineer and Basin Managers for 11 Nos. of river basins of Odisha.

**XVI.** Rain Water Harvesting:

Rooftop Rainwater-harvesting Structures (RRHS)

<u>Govt.</u>		<u>Private</u>
2018-19	358 Nos.	9438 Nos. (in 11 towns of 9 districts)
2019-20	Nil	Nil
2020-21	300 Nos	6000 Nos.

### Ground Water Recharge

(i)	Through Wells (Recharge shaft on tanks and ponds)	2019-20	179 Nos. (completed)
		2020-21	65 nos. taken up in 11 districts, out of which 30 Nos. completed and the remaininfg 35 Numbers are in progress
(ii)	Throgh Check Dams	Upto 03/2020	15604 Nos. in 30 districts (Completed since inception of the scheme in 2010-11)
		Upto 01/2021	15796 Nos. in 30 districts (Completed since inception of the scheme in 2010-11). A provision of Rs. 67 Crores has been kept for construction of check dams in 30 districts during the financial year 2020-21.

### **XVII.** Demarcation of Floodplain and removal of illegal encroachments:

When encroachments are noticed the Revenue Authorities are moved to make the land free from encroachment to maintain the natural flow in the drain.

Out of 9 Nos. of polluted river stretches, in Gangua Nalla (Priority No-I), a proposal for construction of a cross regulator at the off taking point of Gangua Nalla has been approved in 128<sup>th</sup> TAC of DOWR to divert the flood discharge of Chandaka Catchment to Kuakhia river (Approximately 30% of flood water) through Budhi Nalla in order to save the urban flooding of storm water in Bhubaneswar city. This is one of the flood plain zone protection work in Gangua Nalla to be executed by DoWR. It is under tendering process.

### **XVII.** Maintaining minimum e-flow of river:

E-flow is maintained.

Watershed management – Integrated Watershed Management Programme is executed throughout the State by Odisha Watershed Development Mission.

### **XIX.** Plantation activities along the rivers:

1094699 numbers of saplings and seedlings have been planted during monsoon 2018 along the bank of the rivers, dam sites, barrage sites and canal sites, out of which 329962 nos, of plants are alive (30.14% survival status).

In 2020-21, green belts will be created on th eidentified vacant areas/ flood plains on the bank of the river stretches eith the help of the Forest and Environmnet Department.

### **XX.** Development of biodiversity park:

Setting up of Bio-diversity parks will be taken up with the help of Forest and Environment Department. 1094699 nos. of sapling and seedling have been planted during monsoon 2018 along the bank of rivers, dam sites, barrage sites and canal sites, out of which 329962 nos. of plants are alive (30.14 % -Survival Status).

In 2020-21, green belts will be created on the identified vacant areas/ flood plains on the banks of river stretches with the help of F & E Department.

(Information received for Item No. X to XVI from Dept. of Water Resources, Govt. of Odisha has been attached as Annexure-7)

(Information received for Item No. X to XVI for polluted river stretches only in the State from Dept. of Water Resources, Govt. of Odisha has been attached as Annexure-8)

#### **XXI. Reuse of Treated Water:**

All Water polluting industries are being regulated under the consent administration of the Board. 806 MLD treated industrial wastewater are being recycled/ reused in the process or being utilized for plantation/ irrigation purposes.

For reuse of treated domestic wastewater, bulk users have been identified. Consultation process is underway with respective ULBs, local Industries Govt and Private institutions for identifying the bulk users of water and the quantity of water demand by these users. After completion of the above process, revised action plan will be submitted for utilization of treated wastewater presently generated from the functioning of the STPs as well as from the future STPs.

(Information received from Orissa Water Supply and Sewerage Board has been attached as Annexure-9)

#### **XXII Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:**

As per 2020 river water quality status as given in Annexure-6 (b), number of priority-wise polluted river stretches is :

Priority-I: Nil,

Priority-II: Nil,

Priority-III: One,

Priority-IV: Two,

Priority-V: Four;

12 stretches are under Clean Category conforming to bathing water quality. Actions are being taken as given in the foregoing sections to meet the bathing water quality with respect to BOD.

As per the information received from Odisha Water Supply and Sewerage Board, Cuttack stretch on Kathajodi river has been considered under “ at least one polluted river stretch in each category is restored”. Action taken by Odisha Government for restoration of the polluted river stretch of river Kathajodi is enclosed as Annexure-10.

(Information received from Orissa Water Supply and Sewerage Board has been attached as Annexure-10)

**XXIII. Status of Preparation of Action Plan by the 13 Coastal States:** Forest and Environment Department , Govt of Odisha has been requested to submit the action plans for coastal stretch along Puri, Gopalpur and Paradeep and of Atharabanki Creek in the State of Odisha. Information is awaiting.

**XIV.** Regulation of Mining Activities in the State/UT: Enclosed as Annexure-11.

**XXV.** Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring :

During December, 2020, Closure direction has been issued to 29 number of units for operating without ETPs. Show Cause Notice Issued to Four Industries for non-compliance of ETPs and Action to be taken for one industry 1 is under progress.

In compliance to the Grievance redressal portal in the on-going NGT OA 673 of 2018 (vide NMCG letter In Legal/OA673/2018/NMCG/2019 dated 08.0.2021, there is no grievance for the state of Odisha. Extract of the Grievance report for the period 12.01.2021 to 28.01.2021 downloaded from the portal is given as Annexure-12.



## Orissa Water Supply & Sewerage Board

(A Govt. of Odisha Undertaking)

Satyanagar, Bhubaneswar-751007 Phone: (0674)2570086/2571185  
 Email [msowssb@gmail.com](mailto:msowssb@gmail.com) / [ceowssb@gmail.com](mailto:ceowssb@gmail.com) Fax:2571348

No. 685 (WB) dt. 24.2.2021  
 W-2 /202

To

The Additional Secretary to Govt. & Addl. Mission Director, SBM (U)  
 H & UD Deptt., Odisha,  
 Bhubaneswar

Sub.: Submission of monthly progress report for the month of November 2020 and January 2021 in the revised format in the NGT matter OA No. 673 of 2018 (in compliance to NGT order dtd. 24.09.2020).

Ref.: G. Mail message dtd. 09.10.2020 received from NMCG, Ministry of Jal Shakti and This Office Letter No.303 dated 27.1.2021.

Sir,

In supersession to this office letter No.303 dt.27.1.2021 under reference, the Monthly Progress Report for the month of November 2020 and January 2021 in the NGT matter OA No. 673/2018 (in compliance to NGT order dtd 24.09.2020) duly filled in the revised format are enclosed herewith for kind information & necessary action at Govt. level.

Yours faithfully,

Encl.: As above.

  
 Member Secretary

Memo No. 686 (WB) dt. 24.2.2021

Copy along with copy of enclosure forwarded to EIC(PH), Odisha/ EIC, OISIP, JICA, Cuttack/ CE, OWSSB, Sambalpur for information and necessary action.

Encl.: As above.

  
 Member Secretary

Memo No. 687 (WB) dt. 24.2.2021

Copy with copy of enclosure forwarded to the Director, Environment cum Special Secretary to Govt., F & E Deptt./ Member Secretary, SPCB w.r.t. Letter no.10262 dt. 19.10.2020 of SPCB / Managing Director, WATCO, Bhubaneswar/ PD, Septage, SLSC, OWSSB, Bhubaneswar for information and necessary action.

Encl.: As above.

  
 Member Secretary

**Format for submission of Monthly Progress Report for the month of January 2021 in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)**

**For the State of Odisha**

**Overall status of the State:**

**I. Total Population : Urban Population :- 58,82,608 (As per census 2011)**

Rural Population separately : N.A.

**II. Estimated Sewage Generation (MLD): 367 MLD**

i.	Puri	23 MLD
ii	Bhubaneswar	178 MLD
iii	Cuttack	84 MLD
iv	Sambalpur	32 MLD
v.	Rourkela	45 MLD
vi	Talcher	5 MLD
	<b>Total</b>	<b>367MLD</b>

**III. Details of Sewage Treatment Plant**

(a) Existing No. of STPs and Treatment Capacity (in MLD): 5 (91 MLD)

(b) Capacity Utilization of Existing STPs: 69.52 MLD

(c) MLD of Sewage being treated through alternative technology: At present 452KLD (0.452 MLD) septage is being treated

(d) Gap in Treatment Capacity in MLD: 276 MLD

(e) No. of Operational STPs: 5

(f) No. of Complying STPs: 5

(g) No. of non-complying STPs: Nil

**Details of each existing STP in the State**

Sl. No.	No.	Location	Existing STP Capacity (in MLD)	Capacity Being Utilized (in MLD)	Operational Status of STP	Compliance Status of STP
1	1	Matagajpur, Cuttack	33	33	Running smoothly	O&M by PHEO
	1	CDA, Cuttack	36	18.39	-do-	O&M by OISIP, JICA, Cuttack
2	1	Mangalaghat, Puri	15	11	-do-	O&M by PHEO
	1	Bankimuhan, Puri	5	5		
3	1	Mandapal, Talcher	2	2	-do-	O&M by PHEO
4.		Bhubaneswar				

	1	Meherpalli	56	Trial run under progress	-	O&M by WATCO
	1	Basuaghai	28		-	
	1	Kochilapat	43.5		-	
	1	Paikarapur	8		-	

**Details of under construction STPs in the State**

Sl. No.	No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	5	Bhubaneswar				
		Rokat	48	67.20	Not taken up	June-2021
		Meherpalli	56	Trial run in progress	78.49% (41025/52267 nos.)	STP are under trial run since Dec.2020.
		Basuaghai	28		78% (17065/21832 nos.)	
		Kochilapat	43.5		29.77% (12880/43260 nos.)	
Paikarapur	8	62% (2786/4486 nos.)				
2	1	Sambalpur	40	93	Not taken up	Targeted for part commissioning during March,2021
3	1	Rourkela	40	Trial run in progress	0.20% (84/42440 nos.)	Trial run & testing under progress since Dec.2020..
4	1	Matagajpur, Cuttack	16	78.10	90.18 (13528/15000 nos.)	March,2021

**Details of proposed STPs in the State**

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
Nil				
<p>Since laying of maintaining sewerage networks involve land issues, delay and huge capital and O&amp;M costs, steps are being taken to cover all cities and towns in the State by setting up Septage Treatment Plants to manage the faecal waste water to reduce environmental pollution. In this process all 114 ULBs of Odisha will be covered.</p>				

**IV Details of Industrial Pollution: Not relates to OWSSB**

- No. of industries in the State: Nil
- No. of water polluting industries in the State: Nil
- Quantity of effluent generated from the industries in MLD: Nil
- Quantity of Hazardous Sludge generated from the Industries in TPD: Nil
- Number of industrial units having ETPs: Nil
- Number of industrial units connected to CETP: Nil

- Compliance status of the ETPs: Nil
- Number and total capacity of CETPs (details of existing/ under construction / proposed) : Nil
- Status of compliance and operation of the CETPs : Nil

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Not relates to OWSSB				

## II. Solid Waste Management: Not relates to OWSSB

- Total number of Urban Local Bodies and their Population : Nil
- Current Municipal Solid Waste Generation : Nil
- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc. : Nil
- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%). : Nil
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction) : Nil
- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source : Nil
- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology) : Nil
- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills. : Nil
- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers : Nil
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers : Nil



**XVIII.** Reuse of Treated Water: Nil

**XIX.** Model River being adopted by the State & Action Proposed for achieving the bathing quality standards: Nil

**XX.** Status of Preparation of Action Plan by the 13 Coastal States: Nil

**XXI.** Regulation of Mining Activities in the State/UT: Nil

**XXII.** Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring : Nil

Tel -0674-2392104/2390147

e-mail : [sanitationhud@gmail.com](mailto:sanitationhud@gmail.com)

Website: [www.urbanodisha.gov.in](http://www.urbanodisha.gov.in)



Government of Odisha

Housing & Urban Development Department

3rd floor, Kharavel Bhavan, Unit-V, Bhubaneswar, PIN:751001

\*\*\*

File No.: PT1-HUD-SANT-CASEOP-0003-2020 Letter No.: 5/96/ HUD. Date: 02/03/2021

From

Kalyan Kumar Rath, OAS (SAG)  
Additional Secretary to Government &  
Additional Mission Director, SBM (Urban)

To

The Member Secretary,  
State Pollution Control Board, Odisha, Bhubaneswar

Sub: Submission of Monthly Progress Report in revised format in compliance with Order Dated 06.12.2019 of the Hon'ble NGT passed in O.A. No. 673/2018

Ref : Your Letter No. 10262 Dated 19.10.2020

Sir,

I am directed to send herewith Monthly Progress Report [MPR] for the months of November, 2020 and January, 2021 in the revised format [MPR for December, 2020 has already been submitted in revised format in this Department Letter No. 1571 Dated 27.01.2021] for onward transmission to the Central Pollution

P. 7.0

Control Board (CPCB), New Delhi and Secretary, Ministry of Jal Shakti in compliance with Order Dated 06.12.2019 of the Hon'ble NGT passed in O.A. No. 673/2018.

Yours faithfully,

*rcs*

02.03.2021

Additional Secretary to Government &

Additional Mission Director, SBM (Urban)

Memo No. 5197

Date: 02/03/2021

Copy along with copy of the enclosures forwarded to the Director, Environment, Forest & Environment Department/ Member Secretary, OWSSB / Managing Director, WATCO / Team Leader, TSU-FSSM/ M&E Expert, PMU, SBM (Urban) for information & necessary action.

Copy forwarded to Guard File ([sanitationhudedespatch@gmail.com](mailto:sanitationhudedespatch@gmail.com)).

*rcs*

02.03.2021

Additional Secretary to Government &

Additional Mission Director, SBM (Urban)

**V. Solid Waste Management:**

- Total number of Urban Local Bodies and their Population
- Total number of Urban Local Bodies:114
- Population: 60,35,851(as per 2011 census)
- Current Municipal Solid Waste Generation: 1,914 TPD
- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bio-methanation, MRF etc.

**Existing MSW processing facilities:**

Type of Processing Facility	Numbers	Installed Capacity (in TPD)	Utilization
Compost Plant – Micro Composting Centre (MCC)	164	786	71%
Materials Recovery Facility (MRF)	140	567	76%

- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%):
  - ✓ Waste generation has come down because of the pandemic COVID-19 due to which quantity of waste reaching the decentralized compost plants has come down. This resulted in reduced utilization of compost plant. As the spread of pandemic comes down, the waste generation will increase, resulting increase in plant utilization.
  - ✓ Compost plants are designed for a higher capacity considering population forecast. Therefore, presently the compost plants will run at lesser capacity.
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)
  - ✓ All 114 ULBs have designated sites for storage of Construction & Demolition waste. 126 numbers of such sites across all ULBs of Odisha have been notified for wider circulation amongst public. Further, the C&D waste is used for construction of road subgrade, temporary pathways, raising the low-lying areas, etc. thereby offsetting the use of soil for all these purposes.
- Total no. of wards, having door to door collection service, no. of wards practicing segregation at source

Total No. of Wards	No. of Wards Having Door-to-Door Collection Service	No. of Wards Practicing Source Segregation
2035	2035 (100%)	1822 (89.5%)

- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)

**MSW processing facilities Proposed:**

- ✓ Composting Facility - Micro Composting Center (MCC):242 Nos. (Capacity:1,210 TPD)
- ✓ Material Recovery Facilities (MRF): 235 Nos. (Capacity:1,076 TPD)

**MSW processing facilities Functional:**

- ✓ Composting Facility - Number of Functional Micro Composting Center (MCC):164Nos. (Capacity:786 TPD)

- ✓ Number of Functional Material Recovery Facilities (MRF):140 Nos. (Capacity: 567 TPD)

**MSW processing facilities Under Construction:**

- ✓ Composting Facility - Micro Composting Centers (MCC):75 Nos. (Capacity:314 TPD)
- ✓ Material Recovery Facilities (MRF):30 Nos. (Capacity: 97 TPD)
- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.
  - ✓ Garbage dumpsites: 9numbers (170Acre approx.)
  - ✓ Sanitary Landfill: Nil
- No. and area (in acres) of legacy waste within 1 km buffer of both side of the rivers: Nil
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers:
  - ✓ No. of drains reaching to River System, lakes, Water Bodies, Pond, Marsh Land, Water Lands:225
  - ✓ Drains having floating racks/screens installed: 225

**Status of ULB wise Management of Solid Waste**

Sl. No.	ULB Name	Total MSW Generation in TPD		Total MSW being processed in TPD		Capacity of Existing MSW facilities in TPD		Utilization Capacity of the existing MSW facilities		Proposed MSW Facilities		Completion Timeline
		Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	
1	Anandpur (M)	4.59	4.41	4.59	4.41	10	10	46%	44%	0	0	
2	Angul (M)	6.18	5.82	6.18	5.82	12	7	52%	83%	0	1	
3	Asika (NAC)	4.55	4.46	4.55	4.46	10	5	46%	89%	0	1	
4	Athagad (NAC)	1.5	1.5	1	1.5	1	2	100%	75%	2	0	31-03-2021
5	Athmallik (NAC)	1.5	1.5	1.5	0	5	0	30%	0%	0	1	31-03-2021
6	Attabira NAC	2	2	2	2	2	2	100%	100%	1	0	
7	Balangir (M)	15.71	10.31	5	5	5	5	100%	100%	2	0	31-03-2021
8	Balasore (M)	14.04	12.96	5	5	5	5	100%	100%	5	1	31-03-2021
9	Balimela (NAC)	1	1	1	1	4	5	25%	20%	0	0	
10	Balliguda NAC	1.5	1.5	1.5	1.5	2	2	75%	75%	0	0	
11	Balugaon (NAC)	1.5	1.5	1.5	1.5	3	3	50%	50%	0	0	
12	Banki (NAC)	2	2	2	2	2	2	100%	100%	1	0	
13	Banpur (NAC)	1.5	1.5	1.5	1.5	3	3	50%	50%	0	0	
14	Barbil (M)	7.73	7.28	7.73	7.28	10	10	77%	73%	1	0	
15	Bargarh (M)	12	10	5	1	5	1	100%	100%	2	1	31-03-2021
16	Baripada (M)	13	12	10	5	10	5	100%	100%	3	0	31-03-2021
17	Barpali (NAC)	4.04	3.96	3	2	3	2	100%	100%	1	1	31-03-2021
18	Basudebpur (M)	6.12	5.88	0	0	0	0	0%	0%	2	1	31-03-2021
19	Bellaguntha (NAC)	2	2	2	2	5	5	40%	40%	0	0	
20	Belpahar (M)	4.08	3.92	4.08	3.92	5	5	82%	78%	0	0	
21	Berhampur (MC)	71	61	71	61	83	67	86%	91%	0	0	
22	Bhadrak (M)	10	10	3	0	3	0	100%	0%	2	1	31-03-2021
23	Bhanjanagar NAC	3.03	2.97	3.03	2.97	4	4	76%	74%	0	0	
24	Bhawanipatna (M)	7	6	3	5	3	5	100%	100%	2	0	31-03-2021

Sl. No.	ULB Name	Total MSW Generation in TPD		Total MSW being processed in TPD		Capacity of Existing MSW facilities in TPD		Utilization Capacity of the existing MSW facilities		Proposed MSW Facilities		Completion Timeline
		Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	
25	Bhuban (NAC)	2.53	2.48	2.53	2.48	6	6	42%	41%	0	0	
26	Bhubaneswar (MC)	212	180	36	5	36	5	100%	100%	3	1	31-03-2021
27	Bijepur (NAC)	2	2	1	1	1	1	100%	100%	0	1	31-03-2021
28	Binika (NAC)	1.5	1.5	1.5	1.5	3	3	50%	50%	0	0	
29	Biramitrapur (M)	3.86	2.5	3.86	2.5	5	3	77%	83%	0	0	
30	Boudhgarh (NAC)	2.53	2.48	2.53	2.48	5	3	51%	83%	0	0	
31	Brajarajnaragar (M)	11.65	8.44	10	5	10	5	100%	100%	0	1	31-03-2021
32	Buguda (NAC)	2	2	2	2	5	5	40%	40%	0	0	
33	Byasanagar (M)	5.15	4.85	5.15	4.85	10	8	52%	61%	1	0	
34	Champua NAC	2.5	2.5	2.5	2.5	5	5	50%	50%	0	0	
35	Chandbali (NAC)	2.53	2.48	1	2	1	2	100%	100%	2	0	31-03-2021
36	Chhatrapur (NAC)	3.515	3.5	3.515	3.5	5	5	70%	70%	2	0	
37	Chikiti (NAC)	2.5	2.5	2.5	2.5	5	5	50%	50%	0	0	
38	Choudwar (M)	7.21	6.79	2	4	2	4	100%	100%	1	1	31-03-2021
39	Cuttack (MC)	99	94	31	2	31	2	100%	100%	8	0	31-03-2021
40	Daspalla NAC	3	3	3	2	5	2	60%	100%	0	0	
41	Deogarh (M)	3.06	2.94	3.06	2.94	5	5	61%	59%	0	0	
42	Dhamnagar (NAC)	2.02	1.98	2.02	1.98	4	4	51%	50%	0	0	
43	Dharmagarh NAC	2.5	2.5	2.5	2.5	3	3	83%	83%	1	0	
44	Dhenkanal (M)	10.3	9.7	10.3	9.7	13	10	79%	97%	1	0	
45	Digapahandi (NAC)	2	2	2	2	5	5	40%	40%	0	0	
46	G. Udayagiri (NAC)	2	2	2	2	3	2	67%	100%	0	0	
47	Ganjam (NAC)	1.25	1.25	1.25	1.25	5	5	25%	25%	0	0	
48	Gopalpur (NAC)	1.5	1.5	1.5	1.5	5	3	30%	50%	0	0	
49	Gudari (NAC)	1.1	1	1.1	1	2	2	55%	50%	0	0	
50	Gunupur (M)	4	3.2	4	2	10	2	40%	100%	0	0	
51	Hindol NAC	2	2	2	2	2	2	100%	100%	0	0	
52	Hinjilicut (M)	3.57	3.43	3.57	3.43	5	5	71%	69%	1	1	
53	Jagatsinghpur (M)	7.14	6.86	5	5	5	5	100%	100%	0	0	
54	Jajpur (M)	7.14	6.86	5	5	5	5	100%	100%	0	1	31-03-2021
55	Jaleshwar (M)	3.57	3.43	3.57	3.43	5	4	71%	86%	0	0	
56	Jatani (M)	7.21	6.79	5	5	5	5	100%	100%	1	0	31-03-2021
57	Jeypore (M)	13	12	10	5	10	5	100%	100%	1	0	31-03-2021
58	Jharsuguda (M)	10	10	10	10	10	10	100%	100%	1	0	
59	Joda (M)	7.21	6.79	7.21	6.79	10	8	72%	85%	0	0	
60	Junagarh (NAC)	2.5	2.5	2.5	2	5	2	50%	100%	0	0	
61	Kabisurjyanagar (NAC)	2	2	2	2	5	5	40%	40%	0	0	
62	Kamakshyanagar (NAC)	2.6	2.4	2.6	2.4	3	3	87%	80%	0	0	
63	Kantabanji (NAC)	3.4	2.9	3.4	2.9	5	5	68%	58%	0	0	
64	Karanjia (NAC)	2.53	2.48	2.53	2.48	3	3	84%	83%	1	0	
65	Kashinagar (NAC)	1	1	1	1	3	5	33%	20%	1	0	
66	Kendrapara (M)	6.18	5.82	5	5	5	5	100%	100%	1	0	31-03-2021
67	Keonjharagarh (M)	7.73	7.28	7.73	7.28	10	8	77%	91%	1	0	
68	Kesinga (NAC)	2.5	2.5	2.5	2.5	5	3	50%	83%	0	0	

Sl. No.	ULB Name	Total MSW Generation in TPD		Total MSW being processed in TPD		Capacity of Existing MSW facilities in TPD		Utilization Capacity of the existing MSW facilities		Proposed MSW Facilities		Completion Timeline
		Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	
69	Khalikote (NAC)	2.5	2.5	2.5	2.5	5	5	50%	50%	0	0	
70	Khandapada (NAC)	1.9	0.81	1.9	0.81	5	5	38%	16%	0	0	
71	Khariar (NAC)	2.5	2.5	2.5	2.5	3	3	83%	83%	0	0	
72	Khariar Road (NAC)	2	2	2	2	3	4	67%	50%	0	0	
73	Khordha (M)	5.92	5.58	5	5	5	5	100%	100%	0	1	31-03-2021
74	Kodala (NAC)	2.5	2.5	2.5	2.5	5	5	50%	50%	0	0	
75	Konark (NAC)	3	3	1	1	1	1	100%	100%	0	1	31-03-2021
76	Koraput (M)	10.3	9.7	10	9.7	10	10	100%	97%	0	0	
77	Kotpad (NAC)	2.5	2.5	2.5	2.5	10	3	25%	83%	0	0	
78	Kuchinda (NAC)	2.5	2.5	2.5	1	3	1	83%	100%	0	0	
79	Malkangiri (M)	4.59	4.41	4.59	4.41	8	5	57%	88%	0	0	
80	Nabarangapur (M)	3.57	3.43	3.57	3.43	4	4	89%	86%	0	0	
81	Nayagarh (M)	4.04	3.96	4.04	3.96	5	5	81%	79%	0	0	
82	Nilagiri (NAC)	2	2	2	2	4	3	50%	67%	0	0	
83	Nimapara (NAC)	2.5	2.5	2	2.5	2	3	100%	83%	0	0	
84	Nuapada NAC	2	2	2	2	3	3	67%	67%	0	0	
85	Odagaon (NAC)	1.3	1.1	1.3	1.1	5	5	26%	22%	0	0	
86	Padmapur NAC	2	2	2	2	2	2	100%	100%	2	2	
87	Paradeep (M)	11.5	9	11.5	9	12	10	96%	90%	0	0	
88	Paralakhemundi (M)	9.27	8.73	3	3	3	3	100%	100%	2	1	31-03-2021
89	Patnagarh (NAC)	2.53	2.48	2.53	2	5	2	51%	100%	0	0	
90	Pattamundai (M)	5.1	4.9	5	2	5	2	100%	100%	1	0	31-03-2021
91	Phulabani (M)	4.08	3.92	4.08	3	5	3	82%	100%	1	1	31-03-2021
92	Pipili (NAC)	2.5	2.5	2.5	2.5	3	3	83%	83%	0	0	
93	Polasara (NAC)	2.53	2.48	2.53	2.48	5	5	51%	50%	0	0	
94	Puri (M)	36	34	25	20	25	20	100%	100%	5	0	31-03-2021
95	Purusottampur (NAC)	2	2	2	2	5	5	40%	40%	0	0	
96	Rairangpur (M)	4	3.8	4	3	5	3	80%	100%	1	1	31-03-2021
97	Rajagangapur (M)	7	6	5	5	5	5	100%	100%	1	0	31-03-2021
98	Rambha (NAC)	2.35	2.35	2.35	2	5	2	47%	100%	0	0	
99	RANPUR NAC	1.5	1.5	1.5	1.5	3	3	50%	50%	1	0	
100	Raurkela (MC)	65	55	35	14	35	14	100%	100%	1	1	31-03-2021
101	Rayagada (M)	9	9	9	5	10	5	90%	100%	2	1	31-03-2021
102	Redhakhhol (NAC)	1.5	1.5	1.5	1	3	1	50%	100%	0	0	
103	Sambalpur (MC)	59	51	20	10	20	10	100%	100%	5	5	31-03-2021
104	Sonepur (M)	4.08	3.92	4.08	3.92	5	5	82%	78%	0	0	
105	Soro (M)	4.08	3.92	4.08	3.92	5	5	82%	78%	0	0	
106	Sunabeda (M)	6.18	5.82	6.18	5.82	10	8	62%	73%	0	0	
107	Sundargarh (M)	5.67	5.34	5.67	5	10	5	57%	100%	1	1	31-03-2021
108	Surada (NAC)	2	2	2	2	5	5	40%	40%	0	0	
109	Talcher (M)	7.73	7.28	5	5	5	5	100%	100%	1	1	31-03-2021
110	Tarbha (NAC)	1.5	1.5	1.5	1.5	3	3	50%	50%	0	0	
111	Titilagarh (M)	4.08	3.92	4.08	3.92	5	5	82%	78%	0	0	
112	Tusura NAC	1	1	1	1	5	2	20%	50%	0	0	

Sl. No.	ULB Name	Total MSW Generation in TPD		Total MSW being processed in TPD		Capacity of Existing MSW facilities in TPD		Utilization Capacity of the existing MSW facilities		Proposed MSW Facilities		Completion Timeline
		Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	
113	Udala (NAC)	2.5	2.5	2.5	2.5	5	3	50%	83%	0	0	
114	Umerkote (M)	3.8	2.8	3.8	2.8	5	5	76%	56%	0	0	
	<b>Total:</b>	<b>1,007</b>	<b>907</b>	<b>600</b>	<b>447</b>	<b>786</b>	<b>567</b>	<b>71%</b>	<b>76%</b>	<b>75</b>	<b>30</b>	

### **VIII. Plastic Waste Management:**

- Total Plastic Waste generation:95 TPD
- Treatment/ Measures adopted for reduction or management of plastic waste:
  - ✓ The trade, manufacture, import, store, carry, transport and use of single use plastic and plastic carry bags are prohibited within the jurisdiction of all ULBs
  - ✓ The segregated and stored plastic waste at Materials Recovery Facilities are sold off to registered plastic recyclers for further processing and recycling.
  - ✓ Non-Recyclable Plastic Waste are sent to Cement Factory for Co-Processing.





## Orissa water supply & sewerage board

(A Govt. of Odisha Undertaking)  
 Satyanagar, Bhubaneswar-751007 Phone: (0674)2571341 /2571185 Fax:2571348,  
 Mail- [msowssb@gmail.com](mailto:msowssb@gmail.com) & [msowssb@outlook.com](mailto:msowssb@outlook.com)

No. 278 <sup>(WE)</sup> /dt. 25 01 2021  
 W-18/2015 (3)

To

The Member Secretary,  
 State Pollution Control Board (SPCB),  
 Bhubaneswar.

Sub: Submission of Monthly Progress Report for the month of January 2021 for compliance of direction of the Honble' NGT passed in OA No.673/2018 vide order dated 06.12.2019.

Sir,

With reference to the subject cited above, the monthly Progress Report on Sewage & Septage Management of the State for the month of January 2021 relating to compliance of direction of Hon'ble NGT passed in OA No.673/ 2018 vide order dated 06.12.2019 pertaining to OWSSB is furnished herewith in the prescribed format for information and necessary action.

Encl: as above.

Yours faithfully,

Member Secretary

Memo No. 279 <sup>(WE)</sup> /OWSSB

Date 25 01 2021

Copy with copy of enclosure forwarded to the Mission Director, SBM (U), H&UD Department for information and necessary action.

Member Secretary

Encl.: As above.

Memo No. 280 <sup>(WE)</sup> /OWSSB

Date 25 01 2021

Copy with copy of enclosure forwarded to the Director Env.-cum-Special Secretary to Govt. & F & E Deptt., Odisha, Bhubaneswar for information and necessary action.

Member Secretary

Encl.: As above.

Memo No. 281 <sup>(WE)</sup> /OWSSB

Date 25 01 2021

Copy with copy of enclosure forwarded to the Chief Engineer, Septage, SLSC, OWSSB, Bhubaneswar for information and necessary action.

Member Secretary

Encl.: As above.

Monthly Progress Report on the work done by H&UD Department						
H&UD Department has prioritized work for implementation of key urban development project. The details of the prioritized work and their monthly progress as on end of 21st January 2021 is as under.						
Sl. No.	Prioritized work	Intervention	Progress as on end of October 2020	Progress as on end of November 2020	Progress as on December 2020	Progress as on January 2021
1	Coverage of drainage, and sanitation facilities in all Municipal Corporations, Municipal Councils and NACs	<b>JICA assisted Odisha Integrated Sanitation Improvement Project in Bhubaneswar &amp; Cuttack City</b>				
		Construction of sewer for Bhubaneswar Sewerage District- VI	170.34/254 (67.10%)	172.38/253.86 km (67.90%)	174.50/253.86 km (68.74%)	177.06/253.86 km (69.75%)
		Construction of sewer network for Cuttack Sewerage District- I, II and III	307.02/382 (80.36%)	308.06/382.03 km(80.64%)	309.62/382.03 km(81.05%)	311.42/382.03 km(81.52%)
		Construction of 3 STPs in Bhubaneswar & Cuttack	77.81 (Completed over all)	78.63% (Completed over all)	78.89% (Completed over all)	79.39% Completed (over all)
		Construction and rehabilitation of drainage facilities in Cuttack	17 1997 (67.53%)	13.578/19.977 km(67.97%)	13.698/19.977 km(68.56%)	13.794/19.977 km(76.86%)
		<b>Construction of Sewerage System in Rourkela Town</b>				
		Sewer Network	158.88/235 (84%)	158.64/187.70 km (84.52%)	159.43/187.70 km (84.93%)	159.43/187.70 km (84.93%)
		Sewage Treatment Plant (STP)	97% completed	97% completed	98% completed	Trial run in progress.
		Sewerage Pumping Station (SPS)	70% completed	70% completed	70% completed	70% completed
		<b>Construction of Sewerage System in Sambalpur City</b>				
		Sewer Network	89.90/253 (35.53%)	89.92/252.70 km (35.58%)	90.57/252.70 km (35.84%)	90.57/252.70 km (35.99%)
		Sewage Treatment Plant (STP)	92% completed	92% completed	92% completed	93% completed
		Sewerage Pumping Station (SPS)	39% completed.	39% completed.	39% completed.	39% completed.

2	Construction of septage treatment facilities in 92 nos. ULBs of the State.	<b>i)Construction of 11 nos. of Septage Treatment Plants in 11 ULBs of the State</b> (1) Baripada (50 KLD), (2) Berhampur (40 KLD), (3) Bhubaneswar (75 KLD), (4) Puri (50 KLD), (5) Rourkela (40 KLD), (6) Sambalpur (20 KLD), (7) Dhenkanal (27 KLD), (8)Cuttack (60 KLD), (9)Balasore (60 KLD), (10) Angul (18 KLD) (11) Choudwar (12 KLD)	Completed & commissioned	Completed & commissioned	Completed & commissioned	Completed & commissioned
		<b>ii. Construction of 70 Nos of SeTPs in 70 Nos of ULBs</b> (1) Balangir (30 KLD), (2) Bhawanipatna (30 KLD), (3) Titilagarh (10 KLD), (4) Kesinga (10 KLD), (5) Khariar (10 KLD), (6) Kantabanjhi (10 KLD), (7) Barbil (20 KLD), (8) Joda (20 KLD), (9) Kamakshyanagar (10 KLD), (10) Aska (10 KLD), (11) Hinjilicut (10 KLD), (12) Polasara (10 KLD), (13) Sorada (10 KLD), (14)Jatni (20 KLD), (15) Khurda (20 KLD), (16) Paradeep (20 KLD), (17) Banki (10 KLD), (18) Nayagarh (10 KLD), (19) Nimapara (10 KLD), (20) Jharsuguda (40 KLD), (21) Brajarajinagar (30 KLD), (22) Sundargarh (20 KLD), (23) Belpahar (10 KLD), (24) Anandapur (10 KLD), (25) Basudevapur (10 KLD), (26) Nilagiri (10 KLD), (27) 2nd SeTP Rokat , Bhubaneswar (75 KLD), (28) Burla (20 KLD) & (29) Hirakud (20 KLD), (30) Baragarh (30 KLD), (31) Biramitrapur (10 KLD), (32) Keonjhar (33 KLD),	<b>Work under progress by different organisatio</b> 17 * <u>PHEO (8 nos. SeTPs)</u> (1) Bhawanipatna- 30 KLD , (2)Aska- 10 KLD, (3) Sorada- 10 KLD, (4) Banki- 10 KLD ,(5) Jharsuguda- 40 KLD, (6) Brajarajinagar- 30 KLD, (7) Sundargarh-20 KLD (8) Belpahar- 10 KLD. * <u>WATCO (2 nos.)</u> : (1) <u>Jatani</u> - 20 KLD (2) <u>Khordha</u> - 20 KLD) * <u>OWSSB (1 no.)</u> : 2nd SeTP at Rokat Bhubaneswar * <u>Practical Action Team - (1 No.)</u> : Chowdwar (12 KLD) * <u>EOs of ULBs - ( 16 Nos.)</u> : It is targeted to complete the construction of SeTPS during the year 2020-21.	<b>Work under progress by different organisations.</b> <u>PHEO (10 nos. SeTPs)</u> : (1) Bhawanipatna- 30 KLD , (2)Aska- 10 KLD, (3) Sorada- 10 KLD, (4) Banki- 10 KLD ,(5) Jharsuguda- 40 KLD, (6) Brajarajinagar- 30 KLD, (7) Sundargarh-20 KLD (8) Belpahar- 10 KLD. (9) Burla - 20 KLD (10) Hirakud - 20 KLD * <u>WATCO (2 nos.)</u> : (1) <u>Jatani</u> - 20 KLD (2) <u>Khordha</u> - 20 KLD) * <u>WATCO (1 no.)</u> : 2nd SeTP at Rokat Bhubaneswar * <u>Practical Action Team - (1 No.)</u> : Chowdwar (12 KLD) * <u>EOs of ULBs - ( 16 Nos.)</u> : It is targeted to complete the construction of SeTPS during the year 2020-21.	<b>Work under progress by different organisations.</b> <u>PHEO (10 nos. SeTPs)</u> : (1) Bhawanipatna- 30 KLD , (2)Aska- 10 KLD, (3) Sorada- 10 KLD, (4) Banki- 10 KLD ,(5) Jharsuguda- 40 KLD, (6) Brajarajinagar- 30 KLD, (7) Sundargarh-20 KLD (8) Belpahar- 10 KLD. (9) Burla - 20 KLD (10) Hirakud - 20 KLD * <u>WATCO (3 nos.)</u> : (1) <u>Jatani</u> - 20 KLD (2) <u>Khordha</u> - 20 KLD & (3) 2nd SeTP at Rokat Bhubaneswar * <u>Practical Action Team - (1 No.)</u> : Chowdwar (12 KLD) * <u>EOs of ULBs - ( 16 Nos.)</u> : It is targeted to complete the construction of SeTPS during the year 2020-21.	<b>Work under progress by different organisations.</b> * <u>PHEO (10 nos. SeTPs)</u> : (1) Bhawanipatna- 30 KLD , (2)Aska- 10 KLD, (3) Sorada- 10 KLD, (4) Banki- 10 KLD ,(5) Jharsuguda- 40 KLD, (6) Brajarajinagar- 30 KLD, (7) Sundargarh-20 KLD (8) Belpahar- 10 KLD. (9) Burla - 20 KLD (10) Hirakud - 20 KLD * <u>WATCO (3 nos.)</u> : (1) <u>Jatani</u> - 20 KLD (2) <u>Khordha</u> - 20 KLD & (3) 2nd SeTP at Rokat Bhubaneswar * <u>EOs of ULBs - ( 57 Nos.)</u> : Work under progress. It is targeted to complete the construction of SeTPS during the year 2021-22.

		(33) Talcher (20 KLD), (34) Deogarh (10 KLD), (35) Jeypore (40 KLD), (36) Nabarangpur (20 KLD), (37) Malkangiri (20 KLD), (38) Patnagarh (10 KLD), (39) Boudhagarh (10 KLD), (40) Sonepur (10 KLD), (41) Vyasagarh (30 KLD), (42) Kendrapara (20 KLD), (43) Odgaon (10 KLD), (44) Dasapalla (10 KLD), (45) Khandapara (10 KLD), (46) Dhamanagar (10 KLD), (47) Chandabali (10 KLD), (48) Phulbani (20 KLD), (49) Karanjia (10 MLD), (50) Jagatsinghpur (20 KLD), (51) Rayagada (30 KLD), (52) Sunabeda (20 KLD), (53) Konark (10 KLD), (54) Khalikote (10 KLD), (55) Pattamundai (10 KLD), (56) Rairangpur (10 KLD), (57) Kuchinda (10 KLD), (58) Tarabha (10 KLD), (59) Baliguda (10 KLD), (60) G. Udaigiri (10 KLD), (61) Gudari (10 KLD), (62) Gunupur (10 KLD), (63) Kasingar (10 KLD), (64) Paralakhemundi (20 KLD), (65) Purusthotampur (10 KLD), (66) Rajgangpur (20 KLD), (67) Bhadrak (30 KLD), (68) Binika (10 KLD), (69) Rairkhol - (10 KLD), (70) Digapahandi (10 KLD).	<p>* As per decision of the Govt. the concerned EOs of the ULBs shall look after the construction of SeTPs in the ULBs.</p> <p>* Letter of Acceptance has been issued by OWSSB.</p> <p>* It is targeted to complete the construction of SeTPs during the year 2021-22.</p>	<p>* As per decision of the Govt. the concerned EOs of the ULBs shall look after the construction of SeTPs in the ULBs.</p> <p>* Letter of Acceptance has been issued by OWSSB.</p> <p>* It is targeted to complete the construction of SeTPs during the year 2021-22.</p>	<p>* As per decision of the Govt. the concerned EOs of the ULBs shall look after the construction of SeTPs in the ULBs.</p> <p>* Work order have been issued by the concerned ULBs.</p> <p>* It is targeted to complete the construction of SeTPs during the year 2021-22.</p>	
			<p>* Tender invited for 2nd time by OWSSB on 21.09.2020</p> <p>* Tender opened &amp; under scrutiny.</p>	<p>Tender opened &amp; under progress for 6 Nos SeTPs.</p> <p>LAO issued for construction of SeTP at Khariar Road.</p>	<p>LAO issued for construction of 7 nos. SeTPs in 6 nos. ULBs.</p>	<p>LAO issued for construction of 7 nos. SeTPs in 6 nos. ULBs.</p>
		iv) Construction of 4 nos. of SeTPs in 4 ULBs (1) Jajpur (2) Jaleswar (3) Banapur & (4) Bhanjanagar.	<p>DPR will be prepared after availability of suitable lands.</p>	<p>DPR will be prepared after availability of suitable lands.</p>	<p>DPR will be prepared after availability of suitable lands.</p>	<p>DPR will be prepared after availability of suitable lands.</p>

### Status of the functional Septage Treatment Plants in Odisha

SI No	Name of the Town	Capacity of the SeTP (KLD)	Year of commissioning	Project cost (Crores)	Remark
1.	Bhubaneswar	75	October 2018	3.54	Operations and management by WATCO
2.	Cuttack	60	January 2020	1.75	Operations and management by ULB through Bahucharamata transgender group
3.	Berhampur	40	October 2018	2.22	Operations and management by ULB through Agrata CLF
4.	Dhenkanal	27	October 2018	2.85	Operations and management by ULB through JeevanJyoti ALF
5.	Sambalpur	20	October 2018	1.66	Operations and management by ULB through Patneswar ALF
6.	Rourkela	40	October 2018	1.90	Operations and management by ULB through JeevanJyoti ALF
7.	Angul	18	January 2020	2.53	Operations and management by ULB through Jay Hanuman ALF
8.	Balasore	60	January 2020	2.45	Operations and management by ULB through Jyotirmayee ALF
9.	Puri	50	October 2018	1.61	Operations and management by PHEO
10.	Baripada	50	February 2019	2.045	Operations and management by ULB through Sraddha Saburi ALF
11.	Choudwar	12	No inf	No inf	No inf

**Latest Water quality of polluted river, its tributaries, drains and ground water quality in the catchment of Polluted river stretches during January, 2021**

**Polluted River stretch : January, 2021**

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	0.8	8.0	160000	160000	220	NC
	Palasuni	6.9	1.1	8.5	160000	160000	350	NC
	Samantarapur	6.7	1.6	9.5	160000	160000	230	NC
	Vadimula	7.0	1.6	7.7	35000	13000	170	NC
2. Daya River (Bhubaneswar to Bargarh) (Priority-IV)	Bhubaneswar D/s at Kanti	7.5	8.5	4.2	54000	24000	140	NC
	Bhubaneswar FD/s at Manitri	7.3	7.9	3.8	35000	17000	110	NC
	Kanas	7.5	6.1	2.7	35000	24000	79	NC
3. Kuakhai River (Uruli to Bhubaneswar) (Priority-IV)	Bhubaneswar FU/s	8.0	7.9	1.0	490	170	<1.8	C
	Bhubaneswar U/s	7.3	7.5	1.2	1700	230	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 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	October, 2020	7.8	<1.0	2.394	79	13
Old town-Samantarapur Area	October, 2020	6.8	<1.0	1.824	11	<1.8
Kalpana-Laxmisagar Area,	October, 2020	6.1	<1.0	6.579	23	<1.8
Chandrasekharpur	October, 2020	6.4	<1.0	31.813	<1.8	<1.8
Capital Hospital Area,	October, 2020	6.1	<1.0	1.593	<1.8	<1.8
Secretariate-Governor House-Old bus stand Area	October, 2020	No sampling				
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	-	45	Absent	Absent

Ground water is monitored only during April and October of each year

**Drain Water quality of Bhubaneswar city falling on Gangua nallah (During January, 2021)**

Sl. No.	Type	Quantity (MLD)	BOD (mg/L)	FC (MPN/100 mL)
	Drain Name		-	
1	Patia		82.5	>1,60,000
2	Sainik School		85.0	>1,60,000
3	Vani Vihar		135.0	>1,60,000
4	Laxmisagar area		87.5	>1,60,000
5	Baragada Area		70.0	>1,60,000
6	Kedargouri		70.0	>1,60,000
7	Airport area		16.5	>1,60,000
8	Ghatikia		130.0	>1,60,000
9	Nicco Park		75.0	>1,60,000
10	Sundarpada		15.0	>1,60,000

**Polluted River stretch : January, 2021**

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	8.4	5.6	3.4	7900	4900	13	NC
	Cuttack FD/s at Mattagajpur	8.0	6.9	2.8	2200	1700	NA	C
5. Serua River (Khandaeta to Sankhatrasa) (Priority-V)	Cuttack FD/s at Sankhatrasa	8.4	5.8	3.2	3500	230	NA	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 Cuttack city 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	October, 2020	6.6	0.3	1.181	<1.8	<1.8
Mangalabag	October, 2020	7.2	0.3	1.408	<1.8	<1.8
Madhupatna-Kalyan Nagar Area	October, 2020	6.5	0.4	1.452	<1.8	<1.8
Badambadi Area	October, 2020	6.9	0.3	1.373	<1.8	<1.8
Bidanasi-Tulsipur Area,	October, 2020	6.9	0.4	1.058	<1.8	<1.8
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	-	45	Absent	Absent

NA : Not analysed

Ground water is monitored only during April and October of each year

**Characteristic of Drains falling on Kathajodi river (January, 2021)**

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)	7.2	2.9	18.5	11.0	<1.8	<1.8
2	Wastewater discharge to Kathajodi river through sluice gate at Khan nagar	7.2	80.0	157.1	54.0	>1,60,000	>1,60,000
3	Wastewater discharge to Kathajodi river at Mattagajpur	7.4	9.2	31.5	38.0	13000	3300



**Polluted River stretch : January, 2021**

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)	7.9	3.2	8.5	92000	35000	140	NC
7. Brahmani (Rourkela to Biritola) <b>(Priority-V)</b>	Panposh D/s at Deogaon	7.7	4.0	5.7	3500	1300	11	NC
	Rourkela D/s at Jalda	7.6	5.4	5.3	2200	490	8	NC
	Rourkela FD/s at Attaghat	8.0	5.8	3.4	2400	490	8	NC
	Rourkela FFD/s at Biritola	7.9	7.2	2.2	490	78	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 Rourkela city by State Pollution Control Board, Odisha

**Polluted River stretch : January, 2021**

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	7.7	10.8	1.2	1700	490	<1.8	C
9. Banguru nallah Along Talcher <b>(Priority-V)</b>	Along Talcher	7.6	8.6	1.1	790	130	7	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 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	October, 2020	7.0	<1.0	1.076	79	22
Meramundali area	October, 2020	7.4	<1.0	0.882	<1.8	<1.8
Talcher Thermal area	October, 2020	7.4	<1.0	1.009	23	<1.8
Banarpal	October, 2020	7.1	<1.0	0.955	13	<1.8
Kulad	October, 2020	8.0	<1.0	0.985	13	<1.8
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	-	45	Absent	Absent

Ground water is monitored only during April and October of each year

**Polluted River stretch : January, 2021**

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	8.4	7.6	1.7	1700	330	<1.8	C
	Sambalpur FD/s at Shankarmath	7.9	7.6	1.4	3500	1300	27	C
	Sambalpur FFD/s at Huma	8.4	8.0	<1.0	2400	230	23	C
	Sonepur U/s	8.5	7.8	<1.0	490	78	<1.8	C
	Sonepur D/s	8.5	7.6	1.2	700	170	4	C
	Tikarpada	8.2	10.4	1.1	<1.8	<1.8	<1.8	C
	Narasinghpur	7.2	9.2	<1.0	1100	170	7	C
	Munduli	7.7	9.0	<1.0	3500	1700	11	C
	Cuttack U/s	8.2	9.4	<1.0	940	170	<1.8	C
	Cuttack D/s	8.5	9.0	1.6	4900	1300	2	C
	Cuttack FD/s	8.5	8.6	1.3	790	130	2	C
	Paradeep U/s	7.8	8.4	1.0	490	170	<1.8	C
Paradeep D/s	7.9	8.0	1.7	78	<1.8	<1.8	C	
11. Bheden Along Bheden (Priority-V)	Jharsuguda	8.5	7.6	1.0	2400	490	11	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 (January, 2021)**

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	7.3	8.2	<1.0	3500	490	NA	C
	Jharsuguda	8.5	7.8	<1.0	790	130	NA	C
	Brajrajnagar U/S	8.1	8.0	<1.0	490	130	NA	C
	Brajrajnagar D/S	8.1	8.2	1.1	700	230	NA	C
Ong River	Dharuakhaman	8.5	7.4	<1.0	270	45	2	C
Tel River	Monmunda	8.4	7.8	<1.0	220	20	<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

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	October, 2020	7.4	0.2	29.580	<1.8	<1.8
Near Railway station	October, 2020	7.3	0.2	22.146	<1.8	<1.8
Near VSS Medical College, Burla	October, 2020	6.6	0.3	22.146	<1.8	<1.8
<b>Paradeep town Along Mahanadi River</b>						
Badapadia market complex	October, 2020	8.3	1.7	7.015	1700	790
Musadiha	October, 2020	8.0	1.1	2.729	1300	490
<b>Jharsuguda town in the catchment of Bheden river and Ib river</b>						
Burkhamunda	October, 2020	8.1	<1.0	3.866	<1.8	<1.8
Badamal Industrial Estate	October, 2020	7.3	<1.0	1.417	<1.8	<1.8
Budhipadar	October, 2020	6.8	<1.0	3.359	<1.8	<1.8
Brajarajnagar Mining belt	October, 2020	6.5	<1.0	5.302	<1.8	<1.8
Rampur area (Water tank)	October, 2020	7.1	<1.0	0.936	<1.8	<1.8
Ib thermal power station	October, 2020	7.2	<1.0	0.991	<1.8	<1.8
Belpahar area	October, 2020	6.9	<1.0	2.080	<1.8	<1.8
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	-	45	Absent	Absent

NA : Not analysed

Ground water is monitored only during April and October of each year

**Polluted River stretch : January, 2021**

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	8.4	8.4	2.8	1400	330	4	C
13. Nuna (Along Bijipur, Puri) <b>(Priority-V)</b>	Luna at Bijipur	Not Monitored						-
14. Ratnachira (Along Sakhigopal, Puri) <b>(Priority-V)</b>	Kumardihi	7.1	7.1	2.4	1300	330	47	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	October, 2020	7.5	<1.0	10.863	<1.8	<1.8
Near Jagannath Temple,	October, 2020	7.6	<1.0	1.854	<1.8	<1.8
Near Sea Beach	October, 2020	7.9	<1.0	3.044	<1.8	<1.8
Baliapanda	October, 2020	7.3	<1.0	28.706	<1.8	<1.8
Drinking water Specification (IS : 10500:2012)Desirable limit		6.5-8.5	-	45	Absent	Absent

NA : Not analysed

Ground water is monitored only during April and October of each year

**Characteristic of Drain falling on Mangala river (January, 2021)**

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)	7.8	23.0	62.3	23.0	92000	54000

**Polluted River stretch : January, 2021**

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) <b>(Priority-V)</b>	Jayakaypur D/s	7.6	6.4	1.1	790	230	<1.8	C
	Rayagada D/s	7.7	7.3	<1.0	640	210	<1.8	C

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

**Polluted River stretch : January, 2021**

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) <b>(Priority-V)</b>	Baripada D/s	8.4	8.4	1.4	3500	940	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 Baripada town by State Pollution Control Board, Odisha

**Polluted River stretch : January, 2021**

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	7.3	7.7	1.5	790	330	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)	

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

**Polluted River stretch : December, 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	7.9	6.0	<1.0	230	45	4	C
	Potagarh	8.0	6.5	1.6	<1.8	<1.8	<1.8	C
19. Sabulia Along Jagannathpatna, Rambha (Priority-V)	Jagannathpatna, Rambha	7.7	7.9	2.0	1300	330	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 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	October, 2020	7.8	0.3	1.356	49	13
Bus stand	October, 2020	7.3	0.3	1.180	79	23
Badabazar	October, 2020	7.1	0.2	1.289	22	<1.8
Railway station	October, 2020	7.2	0.6	6.336	49	13
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	-	45	Absent	Absent

NA : Not analysed

Ground water is monitored only during April and October of each year

## Annexure- 6 (a)

**Status of Polluted River stretches in the State of Odisha during the period 2017-2021 with Maximum BOD values during the year**

Sl. No.	Polluted River Stretches identified by CPCB	Priority Category of Polluted River stretch					Remarks (During 2020)
		2017 (BOD mg/l, max)	2018 (BOD mg/l, max)	2019 (BOD mg/l, max)	2020 (BOD mg/l, max)	2021 (Jan) (BOD mg/l)	
1.	Gangua River (Along Bhubaneswar)	Priority-I (39.0)	Priority-I (70.8)	Priority-I (39.2)	Priority-III (19.9)	Priority-IV (9.5)	Priority has been reduced from I to III (Improved)
2	Daya (Bhubaneswar to Bargarh)	Priority-IV (7.3)	Priority-IV (7.4)	Priority-IV (7.3)	Priority-V (4.7)	Priority-V (4.2)	Priority has been reduced from IV to V (Improved)
3	Brahmani (Rourkela to Biritol)	Priority-V (6.0)	Priority-IV (7.6)	Priority-V (5.3)	Priority-IV (6.3)	Priority-V (5.7)	Priority has been increased from V to IV (Deteriorated)
4	Guradih nallah (Rourkela)	Priority-III (11.3)	Priority-IV (10.1)	Priority-IV (8.5)	Priority-IV (10.0)	Priority-IV (8.5)	Priority has been reduced from III to IV (Improved)
5	Mangala (Along Puri)	Priority-V (5.7)	Priority-V (5.8)	Priority-IV (7.4)	Priority-V (4.6)	Clean (1.1)	No Improvement
6	Nagavali (Jaykaypur to Rayagada)	Priority-V (3.5)	Clean (2.8)	Clean (2.2)	Clean (2.1)	Clean (2.1)	Clean (Improved)
7	Kathajodi (Cuttack to Urali)	Priority-III (11.2)	Priority-V (5.7)	Priority-V (3.9)	Priority-V (3.6)	Priority-V (3.4)	Priority has been reduced from III to V (Improved)
8	Serua (Khandaeta to Sankhatrasa)	Priority-V (4.8)	Priority-V (5.5)	Priority-V (3.1)	Priority-V (3.8)	Priority-V (3.2)	No Improvement
9	Ratnachira (Along Bhubaneswar, Puri)	Priority-V (3.3)	Priority-V (3.5)	Clean (2.7)	Clean (1.7)	Clean (2.4)	Clean (Improved)
10	Nandira Jhor (D/s of Talcher)	Priority-III (13.0)	Priority-V (3.5)	Clean (1.9)	Clean (1.9)	Clean (1.2)	Clean (Improved)
11	Kuakhai (Along Bhubaneswar)	Priority-IV (7.7)	Clean (1.6)	Clean (1.9)	Clean (1.8)	Clean (1.2)	Clean (Improved)
12	Mahanadi (Sambalpur to Paradeep)	Priority-V (3.2)	Clean (2.3)	Clean (2.3)	Clean (2.7)	Clean (1.7)	Clean (Improved)
13	Rushikulya (Pratappur to Ganjam)	Priority-V (3.4)	Priority-V (3.7)	Clean (2.6)	Clean (2.1)	Clean (1.6)	Clean (Improved)
14	Banguru nallah (Along Talcher, Rengali)	Priority-V (3.2)	Priority-V (3.9)	Clean (1.9)	Clean (1.6)	Clean (1.1)	Clean (Improved)
15	Bheden (Along Bheden)	Priority-V (3.6)	Clean (2.8)	Clean (2.0)	Clean (1.8)	Clean (1.0)	Clean (Improved)
16	Kusumi (Along Talcher)	Priority-V (3.2)	Clean (1.7)	Clean (2.6)	Clean (2.0)	Clean (1.5)	Clean (Improved)
17	Nuna (Along Bijipur)	Priority-V (3.1)	Clean (2.7)	Clean (2.5)	Clean (1.8)	Not Monitored	Clean (Improved)
18	Sabulia (Jagannathpatna, Rambha)	Priority-V (5.0)	Clean (2.4)	Clean (2.2)	Clean (1.9)	Clean (2.0)	Clean (Improved)
19	Budhabalanga (Mahulia to Baripada)	Priority-V (3.5)	Clean (2.8)	Clean (1.6)	Clean (1.9)	Clean (1.4)	Clean (Improved)



**Summary of Number of Polluted River Stretches under Different Category during the Period 2017-2021**

<b>Category</b>	<b>No. of polluted River stretch (2017)</b>	<b>No. of polluted River stretch (2018)</b>	<b>No. of polluted River stretch (2019)</b>	<b>No. of polluted River stretch (2020)</b>	<b>No. of polluted River stretch (Jan,2021)</b>
Priority-I	1	1	1	Nil	Nil
Priority-II	Nil	Nil	Nil	Nil	Nil
Priority-III	3	Nil	Nil	1	Nil
Priority-IV	2	3	3	2	2
Priority-V	13	7	3	4	4
		8 (Clean)	12 (Clean)	12 (Clean)	12 (Clean)
<b>Total :</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>19*</b>

**N.B. Clean - BOD < 3 mg/l \* Not Monitored**

### Water quality of Rivers in Odisha during January, 2021

**Total River water quality Monitoring Station : 129**

**No. of stations conforming to Bathing Water quality : 114**

**(a) Mahanadi River System**

Name of River	Sl. No.	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	1	Sundargarh	7.3	8.2	<1.0	3500	490	NA	C
	2	Jharsuguda	8.5	7.8	<1.0	790	130	NA	C
	3	BrajrajnagarU/S	8.1	8.0	<1.0	490	130	NA	C
	4	BrajrajnagarD/S	8.1	8.2	1.1	700	230	NA	C
Bheden	5	Jharsuguda	8.5	7.6	1.0	2400	490	11	C
Hirakud Reservoir	6	Hirakud	8.4	8.2	<1.0	790	130	NA	C
Mahanadi	7	Sambalpur U/S	8.3	7.8	1.3	790	170	<1.8	C
	8	Sambalpur D/S	8.4	7.6	1.7	1700	330	<1.8	C
	9	Sambalpur FD/S at Shankarmath	7.9	7.6	1.4	3500	1300	27	C
	10	Sambalpur FD/S at Huma	8.4	8.0	<1.0	2400	230	23	C
	11	Power Channel U/S	8.1	7.4	1.0	230	45	NA	C
	12	Power Channel D/S	8.0	7.2	1.7	3500	2400	NA	C
	13	Sonepur U/S	8.5	7.8	<1.0	490	78	<1.8	C
	14	Sonepur D/S	8.5	7.6	1.2	700	170	4	C
	15	Tikarpada	8.2	10.4	1.1	<1.8	<1.8	<1.8	C
	16	Narasinghpur	7.2	9.2	<1.0	1100	170	7	C
	17	Munduli	7.7	9.0	<1.0	3500	1700	11	C
	18	Cuttack U/s	8.2	9.4	<1.0	940	170	<1.8	C
	19	Cuttack D/s	8.5	9.0	1.6	4900	1300	2	C
	20	Cuttack FD/s	8.5	8.6	1.3	790	130	2	C
21	Paradeep U/S	7.8	8.4	1.0	490	170	<1.8	C	
22	Paradeep D/S	7.9	8.0	1.7	78	<1.8	<1.8	C	
Ong	23	Dharuakhaman	8.5	7.4	<1.0	270	45	2	C
Tel	24	Monmunda	8.4	7.8	<1.0	220	20	<1.8	C
Kathajodi	25	Cuttack U/s	8.5	8.1	<1.0	330	45	8	C
	26	Cuttack D/s	8.4	5.6	3.4	7900	4900	13	NC
	27	Cuttack FD/s at Mattagajpur	8.0	6.9	2.8	2200	1700	NA	C
	28	Cuttack FFD/s at Kamasasan	7.3	7.3	1.3	2800	130	NA	C

Name of River	Sl. No.	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))	
Serua	29	Cuttack FD/s at Sankhatrasa	8.4	5.8	3.2	3500	230	NA	NC	
Kuakhai	30	Bhubaneswar FU/s	8.0	7.9	1.0	490	170	<1.8	C	
	31	Bhubaneswar U/s	7.3	7.5	1.2	1700	230	8	C	
Daya	32	Gelapur	7.2	8.3	1.6	790	230	5	C	
	33	Bhubaneswar D/s	7.5	8.5	4.2	54000	24000	140	NC	
	34	BhubaneswarFD/s	7.3	7.9	3.8	35000	17000	110	NC	
	35	Kanas	7.5	6.1	2.7	35000	24000	79	NC	
Birupa	36	Choudwar	7.8	7.7	1.8	3500	490	NA	C	
Gangua nallah	37	Rajdhani Engineering College	6.9	0.8	8.0	160000	160000	220	NC	
	38	Palasuni	6.9	1.1	8.5	160000	160000	350	NC	
	39	Samantarapur	6.7	1.6	9.5	160000	160000	230	NC	
	40	Vadimula	7.0	1.6	7.7	35000	13000	170	NC	
Kushabhadra	41	Bhingarpur	7.3	8.2	1.1	54000	35000	NA	NC	
	42	Nimapara	7.5	8.0	1.4	160000	54000	NA	NC	
	43	Gop	7.4	7.1	1.2	92000	54000	NA	NC	
Gobari	44	Kendrapada U/s	7.7	8.4	<1.0	2800	1400	NA	C	
	45	Kendrapada D/s	7.5	7.8	1.0	3500	1700	NA	C	
Mangala	46	Mangala U/s at Malatipatpur	7.6	7.2	1.5	1300	330	NA	C	
	47	Mangala D/s at Golasahi	8.4	8.4	2.8	1400	330	4	C	
Bhargavi	48	Chandanpur	7.4	6.4	1.4	3500	1700	NA	C	
Devi	49	Machhagaon	7.8	7.0	1.0	130	45	NA	C	
Luna	50	Luna at Bijipur	Not Monitored							-
Sabulia	51	Rambha, Jagatnathpatna	7.7	7.9	2.0	1300	330	13	C	
Kusumi	52	Tangi	7.3	7.7	1.5	790	330	4	C	
Kansari	53	Banapur	7.1	6.9	2.0	790	330	NA	C	
Badasankha	54	Langalaeswar	7.4	6.9	1.5	3500	1300	NA	C	
Ratnachira	55	Kumardihi	7.1	7.1	2.4	1300	330	47	C	
<b>Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)</b>			<b>6.5-8.5</b>	<b>5.0</b>	<b>3.0</b>	<b>-</b>	<b>500 (D) 2500 (P)</b>	<b>100 (D) 500 (P)</b>	<b>-</b>	

NA : Not analysed

D : Desirable P : Permissible

**(B) Brahmani River system**

Name of River	Sl. No.	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))
Brahmani	1	Panposh U/S	8.1	7.8	<1.0	1100	130	2	C
	2	Panposh D/S	7.7	4.0	5.7	3500	1300	11	NC
	3	Rourkela D/S at Jalda	7.6	5.4	5.3	2200	490	8	NC
	4	Rourkela FD/s at Attaghat	8.0	5.8	3.4	2400	490	8	NC
	5	Rourkela FFD/s at Biritola	7.9	7.2	2.2	490	78	8	C
	6	Bonaigarh	7.8	7.6	<1.0	490	45	NA	C
	7	Rengali	8.2	8.0	<1.0	170	130	NA	C
	8	Samal	8.4	8.6	<1.0	490	170	NA	C
	9	Talcher FU/S	8.1	8.0	<1.0	130	78	<1.8	C
	10	Talcher U/s	8.1	8.4	<1.0	220	78	<1.8	C
	11	Mandapal	7.4	8.2	1.2	230	130	<1.8	C
	12	Talcher D/S	7.7	7.2	1.5	330	130	<1.8	C
	13	Talcher FD/S	7.4	8.8	1.2	170	45	<1.8	C
	14	Dhenkanal U/s	7.9	9.4	<1.0	1300	330	<1.8	C
	15	Dhenkanal D/s	7.7	10.8	1.2	1700	490	<1.8	C
	16	Bhuban	7.7	8.6	1.8	3500	790	NA	C
	17	Kabatabandha	7.4	7.6	1.1	460	130	NA	C
	18	Dharmasala U/s	7.3	7.4	1.4	790	230	NA	C
	19	Dharmasala D/s	7.2	8.2	<1.0	490	130	NA	C
	20	Pottamundai	7.8	7.4	1.3	78	<1.8	NA	C
Kharasrota	21	Khanditara	7.4	7.5	1.1	4000	1700	NA	C
	22	Binjharpur	7.5	7.3	1.8	4700	2200	NA	C
	23	Ali	7.9	8.0	<1.0	3500	2200	NA	C
Nandira jhor	24	Nandira U/s	7.8	7.9	1.4	400	170	NA	C
	25	Nandira D/s	7.8	7.2	1.0	330	45	NA	C
Kisindajhor	26	Kisindajhor	7.8	7.2	1.7	1300	330	NA	C
Sankh	27	Sankh U/s	8.0	7.2	<1.0	1300	230	NA	C
Koel	28	Koel U/s	7.9	7.8	1.2	3500	490	NA	C
Guradih nallah	28	Rourkela (before confluence with Brahmani river)	7.9	3.2	8.5	92000	35000	140	NC
Badajhor	30	Badajhor	7.5	8.4	<1.0	2800	790	NA	C
Damsala	31	Dayanabil	7.9	7.1	1.0	230	45	NA	C
Gondanallah	32	Marthapur	7.6	6.9	<1.0	170	45	NA	C
Karo	33	Barbil	6.7	7.7	<1.0	220	45	NA	C
Lingra	34	Lingira U/s	8.3	9.4	1.3	1100	230	NA	C
	35	Lingira D/s	8.5	8.4	1.6	1300	330	NA	C

Name of River	Sl. No.	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))
Ramiala	36	Kamakhyanagar	7.6	8.8	<1.0	1300	330	NA	C
Bangurunallah	37	Bangurunallah	7.6	8.6	1.1	790	130	7	C
Singadajhor	38	Singadajhor	7.5	9.6	<1.0	490	130	NA	C
Tikira	39	Kaniha U/s	7.9	6.4	<1.0	940	220	NA	C
	40	Kaniha D/s	7.7	7.4	1.2	1300	330	NA	C
Bangurusingadajhor	41	Bangurusingadajhor	7.7	8.4	<1.0	310	110	NA	C
<b>Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)</b>			<b>6.5-8.5</b>	<b>5.0</b>	<b>3.0</b>	<b>-</b>	<b>500 (D) 2500 (P)</b>	<b>100 (D) 500 (P)</b>	<b>-</b>

**(C) Baitarani River system**

Name of River	Sl. No.	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))
Kundra nallah	1	Joda	6.9	7.3	1.4	1300	490	NA	C
Kusei	2	Deogaon	7.5	8.6	1.2	3500	2200	NA	C
Baitarani	3	Naigarh	7.0	6.9	1.1	68	20	NA	C
	4	Unchabali	7.1	7.0	<1.0	130	20	NA	C
	5	Champua	7.3	6.9	1.3	78	20	NA	C
	6	Tribindha	7.4	7.2	<1.0	130	20	NA	C
	7	Joda	7.9	7.0	1.2	230	78	NA	C
	8	Anandpur	7.3	8.5	1.0	1700	1100	NA	C
	9	Jajpur	7.4	8.2	1.2	490	45	NA	C
	10	Chandbali U/s	7.8	7.2	<1.0	4700	2200	NA	C
	11	Chandbali D/s	8.0	6.8	1.1	4900	2200	NA	C
Dhamra	12	Dhamra	8.1	6.8	1.5	230	78	NA	C
Salandi	13	Bhadrak U/s	8.4	8.4	<1.0	460	130	NA	C
	14	Bhadrak D/s	7.9	8.0	1.5	2400	330	NA	C
<b>Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)</b>			<b>6.5-8.5</b>	<b>5.0</b>	<b>3.0</b>	<b>-</b>	<b>500 (D) 2500 (P)</b>	<b>100 (D) 500 (P)</b>	<b>-</b>

NA : Not analysed

D : Desirable P : Permissible

**(D) Rushikulya River system**

Name of River	Sl. No.	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))
Russelkunda Reservoir	1	Russelkunda Reservoir	6.6	7.0	1.4	1300	170	NA	C
Badanadi	2	Aska	8.2	8.2	1.0	790	170	NA	C
Rushikulya	3	Aska	8.1	8.9	1.1	1100	130	NA	C
	4	Nalabanta	8.1	6.0	<1.0	790	130	NA	C
	5	Madhopur	7.9	6.0	<1.0	230	45	4	C
	6	Potagarh	8.0	6.5	1.6	<1.8	<1.8	<1.8	C
<b>Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)</b>			<b>6.5-8.5</b>	<b>5.0</b>	<b>3.0</b>	<b>-</b>	<b>500 (D) 2500 (P)</b>	<b>100 (D) 500 (P)</b>	<b>-</b>

**(E) Subarnarekha River system**

Name of River	Sl. No.	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))
Subarnarekha	1	Rajghat	8.5	8.8	1.1	1400	460	NA	C
<b>Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)</b>			<b>6.5-8.5</b>	<b>5.0</b>	<b>3.0</b>	<b>-</b>	<b>500 (D) 2500 (P)</b>	<b>100 (D) 500 (P)</b>	<b>-</b>

**(F) Budhabalanga River system**

Name of River	Sl. No.	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))
Budhabalanga	1	Baripada D/s	8.4	8.4	1.4	3500	940	8	C
	2	Balasore U/s	8.0	8.4	1.8	330	78	NA	C
	3	Balasore D/s	7.8	7.2	2.4	4900	2200	NA	C
	4	Hatiagond (Sona)	8.1	7.6	1.1	490	78	NA	C
<b>Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)</b>			<b>6.5-8.5</b>	<b>5.0</b>	<b>3.0</b>	<b>-</b>	<b>500 (D) 2500 (P)</b>	<b>100 (D) 500 (P)</b>	<b>-</b>

NA : Not analysed

D : Desirable P : Permissible

**(G) Bahuda River system**

Name of River	Sl. No.	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))
Bahuda	1	Damodarpally	7.7	8.3	<1.0	230	130	NA	C
<b>Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)</b>			6.5-8.5	5.0	3.0	-	500 (D) 2500 (P)	100 (D) 500 (P)	-

**(H) Nagavali River system**

Name of River	Sl. No.	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))
Nagavali	1	Penta U/s	7.2	6.9	<1.0	490	170	NA	C
	2	Jayjkaypur D/s	7.6	6.4	1.1	790	230	<1.8	C
	3	Rayagada D/s	7.7	7.3	<1.0	640	210	<1.8	C

**(I) Vansadhara River system**

Name of River	Sl. No.	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))
Vansadhara	1	Muniguda	7.7	6.9	<1.0	2400	790	NA	C
	2	Gunupur	7.6	7.2	<1.0	460	130	NA	C

NA. : Not analysed

D : Desirable P : Permissible

**(J) Kolab River system**

<b>Name of River</b>	<b>Sl. No.</b>	<b>Name of Monitoring Station</b>	<b>pH</b>	<b>DO, mg/L</b>	<b>BOD, mg/L</b>	<b>TC, MPN/ 100 mL</b>	<b>FC, MPN/ 100 mL</b>	<b>FS, MPN/ 100 mL</b>	<b>Water Quality Status (Conforming (C)/ Non-Conforming (NC))</b>
Kerandi	1	Sunabeda	7.5	7.5	1.0	3500	1700	NA	C

**(K) Indravati River system**

<b>Name of River</b>	<b>Sl. No.</b>	<b>Name of Monitoring Station</b>	<b>pH</b>	<b>DO, mg/L</b>	<b>BOD, mg/L</b>	<b>TC, MPN/ 100 mL</b>	<b>FC, MPN/ 100 mL</b>	<b>FS, MPN/ 100 mL</b>	<b>Water Quality Status (Conforming (C)/ Non-Conforming (NC))</b>
Indravati	1	Nawarangpur	7.6	7.1	<1.0	460	45	NA	C



**Monthly Progress Report on Hon'ble NGT O.A. NO.606/2018 for  
the month of January-2021**

**5. Measures taken for**

**A. Control of Illegal Groundwater Abstraction - Yes**

1. So far no such cases of illegal groundwater abstraction are noticed.
2. Govt. of Odisha has formulated an act for regulation of groundwater namely "The Odisha Groundwater (Regulation, Development and Management) Act, 2011"
3. Central Ground Water Board (CGWB) and District Level Evaluation Committee (DLEC) strictly control the groundwater abstraction by the industries.
4. Chief Engineer and Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in 10 years interval.

**B. River Catchment/ Basin Management - Yes**

Inflow from the catchment and outflow from the river of the basins are managed effectively by the Chief Engineer and Basin Managers for 11 nos. of river basins of Odisha.

**C. Flood Plain Zone Protection - Yes**

Out of 9 Nos. of polluted river stretches, in Gangua Nalla (Priority No-1), a proposal for construction of a cross regulator at the off taking point of Gangua Nalla has been approved in 128<sup>th</sup> TAC of DOWR to divert the flood discharge of Chandaka Catchment to Kuakhia river (Approximately 30% of flood water) through Budhi Nalla in order to save the urban flooding of storm water in Bhubaneswar city. This is one of the flood plain zone protection work in Gangua Nalla to be executed by DoWR. It is under tendering process.

**D. E-Flow maintenance & Watershed Management - Yes**

E-flow is maintained.

Watershed Management – Integrated Watershed Management Programme is executed throughout the State by Odisha Watershed Development Mission.

**E. Groundwater recharge/ Rain water harvesting - Yes**

Rain water harvesting.

**Rooftop Rainwater Harvesting Structures (RRHS)**

	<u>Govt</u>	<u>Private</u>	
2018-19	358 nos.	9438 nos.	( in 11 towns of 9 districts)
2019-20	Nil	Nil	
2020-21	300 Nos	6000 Nos	

(Note: A provision of Rs. 37 crores which was kept for construction of RRHS during the FY, 2020-21 has been withdrawn due to non-approval by EFC and physical achievement during the current FY is NIL)

### Ground Water Recharge

i) Through Wells (recharge shaft on Tanks and pond) districts, out of which 30 Nos.	2019-20 2020-21	179 nos (completed) 65 nos. in 11 completed and remaining 35 numbers are in progress
ii) Through Check dams		
	up to 03/2020	15604 nos. in 30 districts ( completed since inception of the scheme in 2010-11)
	up to 1/2021,	15796 nos. in 30 districts (completed since inception of the scheme in 2010-11. A provision of Rs. 67 crores has been kept for construction of check dams in 30 districts during the FY 2020-21)

### **F. Setting up of Biodiversity Parks, Greenery/Plantation along the banks of river stretch**

Setting up of Bio-diversity parks will be taken up with the help of Forest & Env. Deptt.

1094699 nos. of sapling and seedling have been planted during monsoon 2018 along the bank of the rivers, dam sites, barrage sites and canal sites, out of which 329962 nos. of plants are alive (30.14% - Survival Status)

In 2020-21, green belts will be created on the identified vacant areas/flood plains on the bank of the river stretches with the help of F & E Deptt.

### **G. Removal of encroachments**

When encroachments are noticed, Revenue Authorities are moved to make the land free from encroachment to maintain the natural flow in the drain.

  
Chief Engineer, 18/02/2022  
Basin Planning & Climate Change

**National Mission for Clean Ganga**  
**Format for submission of Monthly Progress Report in the NGT Matter**  
**O.A. No. 673 of 2018 (in compliance to NGT Order Dtd.24.09.2020).**

Month – January - 2021

**1. Name of the Polluted River Stretch :- Gangua Nalla (Along Bhubaneswar)**

1	2	3	4	5	6
Sl. NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
XIV	Ground Water regulation:	Govt. of Odisha has formulated an act for regulation for groundwater namely "The Odisha Ground Water (Regulation, Development and Management) Act, 2011". Central Ground Water Board (CGWB) & District Level Evaluation Committee (DLEC) strictly control the ground water abstraction by the industries. Chief Engineer & Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.			
XV	Good Irrigation Practices being adopted by the state:	Rotational water supply in Daya West Branch Canal system recharges the ground water as well as river or drain.	In every year, during Kharif crop (1 <sup>st</sup> July to 15 <sup>th</sup> Nov), and Rabi crop (1 <sup>st</sup> week of January to 15 <sup>th</sup> of May).	Rotational water supply is maintained in Kharif & Rabi crops.	
XVI	Rainwater harvesting	Construction of Rooftop Rainwater Harvesting Structure (RRHS) in Govt. and Private Building in towns of Odisha.	2014-15 to 2018-19	RRHS of 131 nos in Govt. Buildings & 4942 nos. in Private Buildings completed in Bhubaneswar.	Bhubaneswar town
			2019-2020	Nil	

SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
	Ground Water Recharge through construction of Recharge shaft in tanks and ponds  Construction of Check Dam.	2019-20 2020-2021  2019-20	2020-21  2020-21 (up to January -2021)	20 nos in Govt. buildings and 400 nos in private buildings will be constructed in Khurdha Dist.  9 nos  534 nos. of Check Dams completed up to March 2020 in Khurdha Dist.  536 nos. of Check Dams completed up to January-2021 in Khurdha Dist.	Provision for Rs. 37 crores has been kept for the year 2020-21.  In Khurdha Dist.  In Khurdha Dist.
XVII	Demarcation of Flood Plain & removal of illegal encroachments:	Proposal for construction of a cross regulator at the off taking point of Gangua Nalla to divert the entire flood discharge of Chandaka catchment to Kuakhia river through Budhi Nalla in high flood situation. When encroachment are noticed, Revenue Authorities are moved to make the land free from encroachment to maintain the natural flow in the drain.	128 <sup>th</sup> TAC of DoWR approved the construction of cross regulator.		

SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XVIII	Maintaining minimum e-flows of river:	It is a storm water drain. The minimum flow in Gangua Nalla in non-monsoon is maintained by inletting water from river Mahanadi through Daya West Branch Canal.	In 2019, 60 Cusecs released. Water released to Gangua Nalla from Daya West Branch Canal from 16.02.2020 to 26.02.2020 with maximum release of 77 cusecs on 21.02.2020. No water is released to Gangua Nalla from Daya West Branch Canal during January- 2021.	1979 Nos. of plants are alive.	
XIX	Plantation activities along the river:	4900 seeding has been sown along the drainage canals by Khurda Drainage Division during monsoon of 2018. In 2020-21, green belts will be created on the identified vacant areas/flood plains on the bank of the river stretches with the help of F&E Deptt.	During Monsoon 2018.		
XX	Development of bio-diversity park:	Development of bio-diversity parks will be taken up with the help of Forest & Env. Deptt.	-	-	

  
 Anand B  
 Chief Engineer  
 BP&CC

## National Mission for Clean Ganga

### Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd.24.09.2020).

Month – January - 2021

#### 2. Name of the Polluted River Stretch :- Daya (Bhubaneswar to Baragada)

1	2	3	4	5	6
SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
XIV	Ground Water regulation:	Govt. of Odisha has formulated an act for regulation for groundwater namely "The Odisha Ground Water (Regulation, Development and Management) Act, 2011". Central Ground Water Board (CGWB) & District Level Evaluation Committee (DLEC) strictly control the ground water abstraction by the industries. Chief Engineer & Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.			
XV	Good Irrigation Practices being adopted by the state:	Rotational water supply in Puri Main Canal system recharges the ground water as well as river or drain.	In every year, during Kharif crop (1 <sup>st</sup> July to 15 <sup>th</sup> Nov). and Rabi crop (1 <sup>st</sup> week of January to 15 <sup>th</sup> of May).	Rotational water supply is maintained in Kharif & Rabi crops.	

SL. NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XVI	Rainwater harvesting	Construction of Rooftop Rainwater Harvesting Structure (RRHS) in Govt. and Private Building in towns of Odisha.	2014-15 to 2018-19  2020-21  2019-2020	RRHS of 131 nos in Govt. Buildings & 4942 nos. in Private Buildings completed in Bhubaneswar. Nil	Bhubaneswar town  Provision for Rs. 37 crores has been kept for the year 2020-21
		Ground Water Recharge through construction of Recharge shaft in tanks and ponds	2019-20 2020-2021	20 nos in Govt. buildings and 400 nos in private buildings will be constructed in Khurda Dist. 9 nos	In Khurda Dist.
		Construction of Check Dam.	2019-20	534 nos. of Check Dams completed up to March 2020 in Khurda Dist.	In Khurda Dist.
XVII	Demarcation of Flood Plain & removal of illegal encroachments:	All the flood plain zones are adequately protected and effectively managed every year. When encroachment are noticed, Revenue Authorities are moved to make the land free from encroachment to maintain the natural flow in the drain.	2020-21 (up to January -2021)	536 nos. of Check Dams completed up to January-2021 in Khurda Dist.	Provision for Rs. 67 crores has been kept for the year 2020-21.

SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XVIII	Maintaining minimum e-flows of river:	E-flow maintained. Integrated watershed management programme is executed through out the state by Odisha Watershed Development Mission	During lean period from Nov to May.	Maintained	.
XIX	Plantation activities along the river:	11865 seeding has been sown along the canal colony office premises by Prachi Division during Monsoon-2018 In 2020-21, green belts will be created on the identified vacant areas/flood plains on the bank of the river stretches with the help of F&E Deptt.	Monsoon 2018.	-	By Prachi Division .. Bhubaneswar
XX	Development of bio-diversity park:	Development of bio-diversity parks will be taken up with the help of Forest & Env. Deptt.	-	-	

  
 Chief Engineer  
 BP&CC  
 16/21/2021



## National Mission for Clean Ganga

### Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd.24.09.2020).

Month – January - 2021

#### 3. Name of the Polluted River Stretch :- Brahmani (Rourkela to Biritol)

1	2	3	4	5	6
SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
XIV	Ground Water regulation:	Govt. of Odisha has formulated an act for regulation for groundwater namely "The Odisha Ground Water (Regulation, Development and Management) Act, 2011". Central Ground Water Board (CGWB) & District Level Evaluation Committee (DLEC) strictly control the ground water abstraction by the industries. Chief Engineer & Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.	-	-	-
XV	Good Irrigation Practices being adopted by the state:				

SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XVI	Rainwater harvesting	Construction of Rooftop Rainwater Harvesting Structure (RRHS) in Govt. and Private Building in towns of Odisha.	2014-15 to 2018-19  2020-21  2019-2020	RRHS of 7 nos in Govt. Buildings & 76 nos. in Private Buildings completed  Nil	Rourkela town  Provision for Rs. 37 crores has been kept for the year 2020-21  In Sundergarh Dist.  In Sundergarh Dist.
		Ground Water Recharge through construction of Recharge shaft in tanks and ponds	2019-20  2020-21 (Provision)	4 nos 5 nos	In Sundergarh Dist.
		Construction of Check Dam.	2019-20  2020-21 (up to January -2021)	742 nos. of Check Dams completed up to March 2020 in Sundergarh Dist.  742 nos. of Check Dams completed up to January-21 in Sundergarh Dist.	Provision for Rs. 67 crores has been kept for the year 2020-21.

SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XVII	Demarcation of Flood Plain & removal of illegal encroachments:	All the flood plain zones are adequately protected and effectively managed every year.  When encroachment are noticed, Revenue Authorities are moved to make the land free from encroachment to maintain the natural flow in the drain.			
XVIII	Maintaining minimum e-flows of river:	E-flow maintained.  Integrated watershed management programme is executed throughout the state by Odisha Watershed Development Mission.	During lean period from Nov to May.	Maintained	
XIX	Plantation activities along the river:	27373 nos. of sapling and seeding has been sown along the drainage canals by Sundergarh Irr. Division & 17944 nos. of sapling and seeding have been sown along the canal by Rukura Canal Division during monsoon of 2018.  In 2020-21, green belts will be created on the identified vacant areas/flood plains on the bank of the river stretches with the help of F&E Deptt.	Monsoon 2018.	-	By Sundergarh Irr. Division and Rukura Canal Division, Rourkela.
XX	Development of bio-diversity park:	Development of bio-diversity parks will be taken up with the help of Forest & Env. Deptt.	-	-	

  
 Chief Engineer  
 BP&CC

## National Mission for Clean Ganga

### Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd.24.09.2020).

Month – January - 2021

#### 4. Name of the Polluted River Stretch :- Gurudh Nallah (Rourkela)

1	2	3	4	5	6
SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
XIV	Ground Water regulation:	Govt. of Odisha has formulated an act for regulation for groundwater namely "The Odisha Ground Water (Regulation, Development and Management) Act, 2011". Central Ground Water Board (CGWB) & District Level Evaluation Committee (DLEC) strictly control the ground water abstraction by the industries. Chief Engineer & Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.			
XV	Good Irrigation Practices being adopted by the state:				
XVI	Rainwater harvesting	Construction of Rooftop Rainwater Harvesting Structure (RRHS) in Govt. and Private Building in towns of Odisha.	2014-15 to 2018-19  2019-2020	RRHS of 7 nos in Govt. Buildings & 76 nos. in Private Buildings completed  Nil	Rourkela town

SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
		Ground Water Recharge through construction of Recharge shaft in tanks and ponds Construction of Check Dam.	2020-21 2019-20 2020-21(Provision)	12 nos in Govt. buildings and 160 nos in private buildings will be constructed in Sunderagrh Dist. 4 nos 5 nos. 742 nos. of Check Dams completed up to March 2020 in Sunderagrh Dist.	Provision for Rs. 37 crores has been kept for the year 2020-21 In Sunderagrh Dist. In Sunderagrh Dist.
XVII	Demarcation of Flood Plain & removal of illegal encroachments:	All the flood plain zones are adequately protected and effectively managed every year. When encroachment are noticed, Revenue Authorities are moved to make the land free from encroachment to maintain the natural flow in the drain.	2020-21(up to January-2021)	742 nos. of Check Dams completed up to January-2021 in Sunderagrh Dist.	Provision for Rs. 67 crores has been kept for the year 2020-21.
XVIII	Maintaining minimum e-flows of river:	E-Flow maintained. Integrated watershed management programme is executed through out the state by Odisha Watershed Development Mission	During lean period from Nov to May.	Maintained	.

SL. NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XIX	Plantation activities along the river:	27373 nos. of sapling and seeding has been sown along the drainage canals by Sundergarh Irr. Division & 17944 nos. of sapling and seeding have been sown along the canal by Rukura Canal Division during monsoon of 2018.  In 2020-21, green belts will be created on the identified vacant areas/flood plains on the bank of the river stretches with the help of F&E Deptt.	Monsoon 2018.	-	By Sundergarh Irr. Division and Rukura Canal Division, Rourkela.
XX	Development of bio-diversity park:	Development of bio-diversity parks will be taken up with the help of Forest & Env. Deptt.	-	-	

  
 Chief Engineer  
 BP&CC.  
 11/02/2022

## National Mission for Clean Ganga

### Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd.24.09.2020).

Month – January - 2021

#### 5. Name of the Polluted River Stretch :- Mangala (Along Puri)

Sl. NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XIV	Ground Water regulation:	Govt. of Odisha has formulated an act for regulation for groundwater namely "The Odisha Ground Water (Regulation, Development and Management) Act, 2011". Central Ground Water Board (CGWB) & District Level Evaluation Committee (DLEC) strictly control the ground water abstraction by the industries. Chief Engineer & Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.			
XV	Good Irrigation Practices being adopted by the state:				

SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XVI	Rainwater harvesting	Construction of Rooftop Rainwater Harvesting Structure (RRHS) in Govt. and Private Building in towns of Odisha.	2014-15 to 2018-19  2019-2020  2020-21	RRHS of 34 nos in Govt. Buildings & 529 nos. in Private Buildings completed  Nil  12 nos in Govt. buildings and 160 nos in private buildings will be constructed in Puri Dist.  Nil  05 nos	Puri town        Provision for Rs. 37 crores has been kept for the year 2020-21  In Puri Dist.  In Puri Dist.
		Ground Water Recharge through construction of Recharge shaft in tanks and ponds  Construction of Check Dam.	2019-20  2020-2021 (provision)  2020-21 (up to January -2021)	118 nos. of Check Dams completed up to March 2020 in Puri Dist.  141 nos. of Check Dams completed up to January-2021 in Puri Dist.	Provision for Rs. 67 crores has been kept for the year 2020-21.



SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XVII	Demarcation of Flood Plain & removal of illegal encroachments:	All the flood plain zones are adequately protected and effectively managed every year. When encroachment are noticed, Revenue Authorities are moved to make the land free from encroachment to maintain the natural flow in the drain.			
XVIII	Maintaining minimum e-flows of river:	E-flow maintained. Integrated watershed management programme is executed throughout the state by Odisha Watershed Development Mission	During lean period from Nov to May.	Maintained	
XIX	Plantation activities along the river:	1700 sapling has been sown along the canal colony, office premises by Puri Irr. Division during monsoon of 2018. In 2020-21, green belts will be created on the identified vacant areas/flood plains on the bank of the river stretches with the help of F&E Deptt.	Monsoon 2018.		By Puri Irr. Division, Puri
XX	Development of bio-diversity park:	Development of bio-diversity parks will be taken up with the help of Forest & Env. Deptt.	-	-	

  
 Chief Engineer, 11/02/2022  
 BP&CC

## National Mission for Clean Ganga

### Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd.24.09.2020).

Month – January - 2021

#### 6. Name of the Polluted River Stretch :- Nagavalli (JK Pur to Rayagada)

SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XIV	Ground Water regulation:	Govt. of Odisha has formulated an act for regulation for groundwater namely "The Odisha Ground Water (Regulation, Development and Management) Act, 2011". Central Ground Water Board (CGWB) & District Level Evaluation Committee (DLEC) strictly control the ground water abstraction by the industries. Chief Engineer & Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.			
XV	Good Irrigation Practices being adopted by the state:				

SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XVI	Rainwater harvesting	Construction of Rooftop Rainwater Harvesting Structure (RRHS) in Govt. and Private Building in towns of Odisha.	2019-2020 2020-21	Nil Nil (Programmed) in Rayagada Dist.	Provision for Rs. 37 crores has been kept for the year 2020-21
		Ground Water Recharge through construction of Recharge shaft in tanks and ponds Construction of Check Dam.	2019-20 2020-21 (Provision) 2019-20	Nil Nil.(Programmed) 833 nos of Check Dams completed up to March-2020 in Rayagada Dist.	In Ryagada Dist. In Ryagada Dist. Provision for Rs. 67 crores has been kept for the year 2020-21.
XVII	Demarcation of Flood Plain & removal of illegal encroachments:	All the flood plain zones are adequately protected and effectively managed every year. When encroachment are noticed, Revenue Authorities are moved to make the land free from encroachment to maintain the natural flow in the drain.	2020-21(up to January- 2021)	833 nos of Check Dams completed up to January -2021 in Rayagada Dist.	

SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XVIII	Maintaining minimum e-flows of river:	E-flow maintained. Integrated watershed management programme is executed throughout the state by Odisha Watershed Development Mission	During lean period from Nov to May.	Maintained	.
XIX	Plantation activities along the river:	5160 nos of sapling has been sown in Rayagada Dist. By Rayagada Minor Division during monsoon of 2018. In 2020-21, green belts will be created on the identified vacant areas/flood plains on the bank of the river stretches with the help of F&E Deptt.	Monsoon 2018.		By Rayagada Minor Irrigation Divn.
XX	Development of bio-diversity park:	Development of bio-diversity parks will be taken up with the help of Forest & Env. Deptt.	-	-	

  
 Chief Engineer  
 BP&CC  
 11/02/2021

## National Mission for Clean Ganga

### Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd.24.09.2020).

Month – January - 2021

#### 7. Name of the Polluted River Stretch :- Kathajodi (Cutback to Uralli)

SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XIV	Ground Water regulation:	Govt. of Odisha has formulated an act for regulation for groundwater namely "The Odisha Ground Water (Regulation, Development and Management) Act, 2011". Central Ground Water Board (CGWB) & District Level Evaluation Committee (DLEC) strictly control the ground water abstraction by the industries. Chief Engineer & Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.			
XV	Good Irrigation Practices being adopted by the state:	No irrigation water recharges river Kathajodi (from Cutback to Uralli)			

SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XVI	Rainwater harvesting	Construction of Rooftop Rainwater Harvesting Structure (RRHS) in Govt. and Private Building in towns of Odisha.	2014-15 to 2018-19  2019-2020  2020-21	RRHS of 07nos in Govt. Buildings & 123 nos. in Private Buildings completed  Nil  12nos in Govt. buildings and 240 nos in private buildings will be constructed in Cuttack Dist.  05 nos  Nil	Cuttack town        Provision for Rs. 37 crores has been kept for the year 2020-21     In Cuttack Dist.  In Cuttack Dist.  In Cuttack Dist.
		Ground Water Recharge through construction of Recharge shaft in tanks and ponds  Construction of Check Dam.	2019-20  2020-2021 (Provision)  2019-20  2020-21 (up to January -2021)	706 nos. of Check Dams completed up to January-2021 in Cuttack Dist.  699 nos. of Check Dams completed up to March 2020 in Cuttack Dist.	Provision for Rs. 67 crores has been kept for the year 2020-21.

SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XVII	Demarcation of Flood Plain & removal of illegal encroachments:	All the flood plain zones are adequately protected and effectively managed every year. When encroachment are noticed, Revenue Authorities are moved to make the land free from encroachment to maintain the natural flow in the drain.			
XVIII	Maintaining minimum e-flows of river:	E-flow maintained. Integrated watershed management programme is executed through out the state by Odisha Watershed Development Mission	During lean period from Nov to May.	Maintained	
XIX	Plantation activities along the river:	3250 nos of sapling has been sown along the canal colony, office premises by Mahanadi South Division-1 & 10610 nos of sapling has been sown along the canal colony, office premises by Mahanadi Barrage Division, Cuttack during monsoon of 2018. In 2020-21, green belts will be created on the identified vacant areas/flood plains on the bank of the river stretches with the help of F&E Deptt.	Monsoon 2018.		By Mahanadi South Division-1 & by Mahanadi Barrage Division Cuttack.
XX	Development of bio-diversity park:	Development of bio-diversity parks will be taken up with the help of Forest & Env. Deptt.	-	-	

  
 Chief Engineer  
 BP&CC  
 11/02/2024

## National Mission for Clean Ganga

### Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd.24.09.2020).

Month – January - 2021

#### 8. Name of the Polluted River Stretch :- Serua River (Khandaeta to Sankhatrasa)

Sl. NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XIV	Ground Water regulation:	Govt. of Odisha has formulated an act for regulation for groundwater namely "The Odisha Ground Water (Regulation, Development and Management) Act, 2011". Central Ground Water Board (CGWB) & District Level Evaluation Committee (DLEC) strictly control the ground water abstraction by the industries. Chief Engineer & Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.			
XV	Good Irrigation Practices being adopted by the state:	Rotational water supply in Kakatpur Branch Canal system recharges the ground water as well as river or drain.	In every year, during Kharif crop (1 <sup>st</sup> July to 15 <sup>th</sup> Nov). and Rabi crop (1 <sup>st</sup> week of January to 15 <sup>th</sup> of May).	Rotational water supply is maintained in Kharif & Rabi crops.	



SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XVI	Rainwater harvesting	Construction of Rooftop Rainwater Harvesting Structure (RRHS) in Govt. and Private Building in towns of Odisha.	2014-15 to 2018-19  2019-2020  2020-21	RRHS of 07 nos in Govt. Buildings & 123 nos. in Private Buildings completed  Nil  12 nos in Govt. buildings and 240 nos in private buildings will be constructed in Cuttack Dist. 05 nos	Bhubaneswar town   Provision for Rs. 37 crores has been kept for the year 2020-21  In Cuttack Dist.  In Cuttack Dist.
		Ground Water Recharge through construction of Recharge shaft in tanks and ponds  Construction of Check Dam.	2020-21 (Provision)  2019-20	Nil  699 nos. of Check Dams completed up to March 2020 in Cuttack Dist.	Provision for Rs. 67 crores has been kept for the year 2020-21.
XVII	Demarcation of Flood Plain & removal of illegal encroachments:	All the flood plain zones are adequately protected and effectively managed every year. When encroachment are noticed, Revenue Authorities are moved to make the land free from encroachment to maintain the natural flow in the drain.	2020-21 (up to January -2021)	706 nos. of Check Dams completed up to January-2021 in Cuttack Dist.	

SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XVIII	Maintaining minimum e-flows of river:	E-flow maintained. Integrated watershed management programme is executed through out the state by Odisha Watershed Development Mission	During lean period from Nov to May.	Maintained	.
XIX	Plantation activities along the river:	3250 nos of sapling has been sown along the canal colony, office premises by Mahanadi South Division-1 & 4260 nos of sapling & seeding have been sown along the canal colony, office premises by Jagatsinghpur Itr. Division, Jagatsinghpur during monsoon of 2018. In 2020-21, green belts will be created on the identified vacant areas/flood plains on the bank of the river stretches with the help of F&E Deptt.	Monsoon 2018.	-	By Mahanadi South Division-1 & by Jagatsinghpur Itr. Division Jagatsinghpur
XX	Development of bio-diversity park:	Development of bio-diversity parks will be taken up with the help of Forest & Env. Deptt.	-	-	

  
 Chief Engineer  
 J&P&CC

## National Mission for Clean Ganga

### Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd.24.09.2020).

Month – January - 2021

#### 9. Name of the Polluted River Stretch :- Ratnachira (Along Bhubaneswar)

1	2	3	4	5	6
Sl. NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
XIV	Ground Water regulation:	Govt. of Odisha has formulated an act for regulation for groundwater namely "The Odisha Ground Water (Regulation, Development and Management) Act, 2011". Central Ground Water Board (CGWB) & District Level Evaluation Committee (DLEC) strictly control the ground water abstraction by the industries. Chief Engineer & Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.			
XV	Good Irrigation Practices being adopted by the state:	Rotational water supply in Sakhigopal Branch Canal, Puri Main Canal & Gobardhanpur Barrage recharges the ground water as well as river or drain.	In every year, during Kharif crop (1 <sup>st</sup> July to 15 <sup>th</sup> Nov), and Rabi crop (1 <sup>st</sup> week of January to 15 <sup>th</sup> of May).	Rotational water supply is maintained in Kharif & Rabi crops.	

SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XVI	Rainwater harvesting	Construction of Rooftop Rainwater Harvesting Structure (RRHS) in Govt. and Private Building in towns of Odisha.	2014-15 to 2018-19  2019-2020  2020-21	RRHS of 34 nos in Govt. Buildings & 529 nos. in Private Buildings completed  Nil  12nos in Govt. buildings and 160 nos in private buildings will be constructed in Puri Dist.  Nil  05	Puri town           Provision for Rs. 37 crores has been kept for the year 2020-21           In Puri Dist.           In Puri Dist.
XVII	Demarcation of Flood Plain & removal of illegal encroachments:	All the flood plain zones are adequately protected and effectively managed every year. When encroachment are noticed, Revenue Authorities are moved to make the land free from encroachment to maintain the natural flow in the drain.	2020-21(up to January -2021)	141 nos. of Check Dams completed up to January-2021 in Puri Dist.	Provision for Rs. 67 crores has been kept for the year 2020-21.

SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XVIII	Maintaining minimum e-flows of river:	E-flow maintained. Integrated watershed management programme is executed through out the state by Odisha Watershed Development Mission	During lean period from Nov to May.	Maintained	.
XIX	Plantation activities along the river:	1700 sapling has been sown along the canal colony, office premises by Puri Irrigation Divn. during monsoon of 2018. In 2020-21, green belts will be created on the identified vacant areas/flood plains on the bank of the river stretches with the help of F&E Deptt.	Monsoon 2018.		By Puri Irrigation Division, Puri
XX	Development of bio-diversity park:	Development of bio-diversity parks will be taken up with the help of Forest & Env. Deptt.	-	-	

  
 Chief Engineer  
 BR&CC  
 11/02/2021



## Orissa Water Supply & Sewerage Board

(A Govt. of Odisha Undertaking)

Satyanagar, Bhubaneswar-751007 Phone: (0674)2570086/2571185  
Email [msowssb@gmail.com](mailto:msowssb@gmail.com)/ [ceowssb@gmail.com](mailto:ceowssb@gmail.com) Fax:2571348

No. 5484 (WB) dt. 29.12.2020  
W-18/2015 (III)

To

The Director, Env.-cum-Special Secretary to Govt.,  
Forest & Environment Deptt.,  
Odisha, Bhubaneswar.

Sub: Hon'ble NGT order dtd. 14.12.2020 in OA No.606/2018 Compliance of Municipal Solid Waste Management Rules,2016 other Environmental issues.

Ref: Letter No.20758 dtd.21.12.2020 of F&E Department

Sir,

With reference to the subject cited above, the required updated information & compliance of Hon'ble NGT order dtd. 14.12.2020 duly filled in the prescribed format in the matter of OA No. 606/2018 is furnished herewith for information and necessary action.

Yours faithfully,

Encl: As above.

Memo No. 5485 (WB) /OWSSB

Date. 29.12.2020

[Signature]  
29.12  
Member Secretary

Copy with copy of enclosure forwarded to the Additional Secretary to Govt. & Additional Mission Director, SBM(U), H & UD Deptt./ Member Secretary, SPCB, Bhubaneswar for information and necessary action.

Encl: As above

Memo No. 5486 (WB) /OWSSB

Date. 29.12.2020

[Signature]  
29.12  
Member Secretary

Copy with copy of enclosure forwarded to the Chief Engineer, Septage, SLSC, OWSSB, Bhubaneswar for information and necessary action.

Encl: As above

[Signature]  
29.12  
Member Secretary

**FORMAT FOR SEWAGE MANAGEMENT IN ODISHA & COMPLIANCE TO HON'BLE NATIONAL GREEN TRIBUNAL IN O.A. NO.606/2018**

Sl.	Action Point	A	B	C= B-A	D
		Existing Status	Desired/ Projected	Gap	Timeline
1.	Estimated Sewage Generation	Sewage Treated Cuttack : 51.39 MLD Pur : 16 MLD Talcher : 2 MLD Total : 69.39 MLD	Bhubaneswar : 178 MLD Cuttack : 84 MLD Sambalpur : 32 MLD Rourkela : 45 MLD Puri : 23 MLD Talcher : 5 MLD Total : 367 MLD	BBSR : 178 MLD Cuttack : 32.61 MLD Sambalpur : 32 MLD Rourkela : 45 MLD Puri : 7 MLD Talcher : 3 MLD Total : 297.61 MLD	Dec.-2021 March-2021 March-2021 Dec.-2020 Dec.-2021 Dec.-2021
2.	Treatment Capacity				
a.	STP	Puri : 20 MLD Cuttack : 69 MLD Talcher : 2 MLD Total : 91 MLD	BBSR : 184 MLD Cuttack : 84 MLD Sambalpur : 40 MLD Rourkela : 48 MLD Puri : 20 MLD Talcher : 2 MLD Total : 378 MLD	287 MLD	Out of 378 MLD, 40 MLD (Rourkela) during Dec.-2020. 40 MLD (Sambalpur) during March,2021 & 48 MLD at Rokati during June-2021 at Bhubaneswar & balance during Dec.,2021.
b.	Septage	440 KLD (Septage treated)	1807 KLD	1367 KLD	2021-22
3.	Status of Sewerage System (in KM)	BBSR: 420.12 km Cuttack :309.62 km Rourkela :159.43 km Sambalpur : 90.57 km Puri : 128.00 km Total : 1107.74 km	1970.17 KM	863.43 KM	Dec.,2021
4.	No. of STP (Details provided as per Annexure)	Puri : 2 nos. Cuttack : 2 Nos. Talcher : 1 No. Total : 5 nos.	Bhubaneswar : 5 nos. Cuttack : 3 nos Puri : 1 no. Sambalpur : 1 no. Rourkela : 2 nos. Talcher : 1 no. Total : 13 nos.	8 Nos	1 no. (Rkl) during Dec.2020 2 Nos. (BBSR & SBP) during Mar.2021. 1 no. during (Cuttack) June-2021 4 nos.(BBSR) during Dec. 21
5.	Has bulk users identified for reuse of treated water such as Industrial Clusters, Metro Rail, India Railways, Infrastructure Projects, Agriculture, Bus Depots and PWD? (Y/N)	Consultation process is underway with respective ULBs , local industries , Govt. & Pvt. Institutions for identifying the bulk users of water & the quantity of water demand by these users. After completion of the above process, revised action plan will be submitted for utilization of treated waste water presently generated from the functioning of STPs as well as from future STPs.			
6.	Quantity of treated wastewater being used by Bulk User ( in MLD)				
	Industrial Clusters	-	-	-	-
	Metro Rail	-	-	-	-
	Indian Railways	-	-	-	-
	Infrastructure Projects	-	-	-	-
	Agriculture	-	-	-	-
	Other (If any specify)	-	-	-	-
	PWD	-	-	-	-
7.	No. of water Aquatic sources (Lakes, ponds etc.) being developed through treated waste water.	-	-	-	-

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No. 694 Date 27/7/2020

**Orissa Water Supply & Sewerage Board**  
(A Govt. of Odisha Undertaking)

Satyanagar, Bhubaneswar-751007 Phone: (0674)2570086/2571185  
Email [msowssb@gmail.com](mailto:msowssb@gmail.com) / [ceowssb@gmail.com](mailto:ceowssb@gmail.com) Fax:2571348

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No. 3297 (W) dt. 22-07-2020  
W-18/2015 (2)

To: The Member Secretary,  
State Pollution Control Board,  
Odisha, Bhubaneswar.

Sub: Compliance of order dtd. 22.06.2020 passed by the Hon'ble NGT in O.A. No. 673/2018 at least one polluted river stretch in each category is restored.

Ref: Letter No.12491 dated 14.07.2019 of H&UD Deptt, Odisha

Sir,  
In inviting a reference to the above, the detail compliance of the order dtd. 22.06.2020 passed by the Hon'ble NGT in O.A. No. 673/2018 at least one polluted river stretch in each category is restored is furnished herewith for information and necessary action.

Yours faithfully,  
*[Signature]*  
Member Secretary, 21/07/20

Encl: As above.

Memo No. 3298 /OWSSB Date. 22 07 2020  
Copy with copy of enclosure submitted to the Additional Secretary to Government & Adl. Mission Director, SBM(U), Housing & Urban Development Department, Odisha, Bhubaneswar for kind information and necessary action with reference to letter no. 12491 dt. 14.07.2020 of H&UD Department.

*[Signature]*  
Member Secretary, 21/07/20

Encl: As above.

Memo No. 3299 /OWSSB Date. 22 07 2020  
Copy forwarded to the EIC, OISIP, JICA, Cuttack for information and necessary action with reference to the letter No. 12491 dated 14.07.2020 of H&UD Department.

*[Signature]*  
Member Secretary, 21/07/20

Memo No. 3300 /OWSSB Date. 22 07 2020  
Copy forwarded to the Project Director, PMC, OWSSB, Cuttack for information and necessary action.

*[Signature]*  
Member Secretary, 21/07/20



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**COMPLIANCE OF THE ORDER DTD. 22.06.2020 PASSED BY THE HON'BLE NGT IN  
OA NO. 673/2018 & ACTION TAKEN BY ODISHA GOVERNMENT FOR  
RESTORATION OF POLLUTED STRETCH OF RIVER KATHAJODI**

River Kathajodi is getting polluted due to discharge of wastewater from Cuttack City. In order to prevent pollution of Kathajodi River, 2 Nos. of Sewage Treatment Plants have been constructed and one STP is under construction with loan assistance from JICA. The quantity of sewage generated and treatment proposed is as below.

- Quantity of sewage generated from city : 65.37 MLD  
at present
- Present quantity of sewage treated : 45 MLD (33 MLD at Matagajpur & 12  
MLD at the new 36 MLD capacity STP  
at CDA, Cuttack)
- One 33 MLD Capacity STP using (Wastewater stabilization pond technology) is in operation since 2006 at Matagajpur, Cuttack to treat waste water from two large drains flowing to River Kathajodi. The STP is now under renovation and likely to be made functional by December, 2020.
- One 36 MLD capacity STP based on ASP technology has been commissioned at CDA, Cuttack since December, 2018.
- One 16 MLD capacity STP based on ASP technology is under construction (81.72% completed) at Matagajpur. The STP is planned to be commissioned during December, 2020.
- After completion construction of 16 MLD STP at matagajpur, the entire sewage generated from Cuttack city can be treated, thereby pollution of Kathajodi river stretch near Cuttack can be prevented.
- The status of sewerage network & drainage network in Cuttack City is furnished herewith as annexure.

## Regulation of mining activities in Odisha

### Overview of mining activities in Odisha

In Odisha, 249 major mineral mines of different categories are under the consent administration of State Pollution Control Board. Major mineral mines are under Coal, Iron and Manganese, Chromite, Bauxite, limestone and Dolomite sector. The details of the mines as well as mines having valid consent till 22.10.2020 is given in Table – 1.

**Table – 1: Major mines under consent administration of State Pollution Control Board**

Sl. No.	Mineral Ore	No. of Mines	Mines having valid consent
1.	Coal	32	29
2.	Iron & Manganese	164	70
3.	Chromite	21	13
4.	Bauxite	07	06
5	Limestone and Dolomite	25	09
<b>Total</b>		<b>249</b>	<b>127</b>

There are also 1481 nos. of other mines which are mostly Graphite, Quartzite, Pyrophyllite, Fireclay, Soapstone, China-clay, Gemstone, Mineral sand, Stone quarry and Sand mines etc. The major mineral mines i.e. Coal, Iron, Manganese, Chromite and Bauxite are mostly concentrated in seven mining clusters of Joda-Barbil-Koira, Talcher-Angul, Ib-Valley, Hemgiri block, Sukinda, Sundargarh and Raygada-Koraput area. The distribution of mines in these clusters are presented in Table – 2.

**Table – 2: Mines in different cluster of Odisha**

Sl. No.	Cluster	Mineral	Nos. of Mines in cluster	Total nos. of mines in the different sector	Percentage of total mines in the cluster
1.	Joda-Barbil – Koira <i>(Keonjhar and Sundergarh)</i>	Iron & Manganese	128	164	90%
2.	Talcher <i>(Angul)</i>	Coal	15	32	47%
3.	Ib Valley <i>(Jharsuguda)</i>	Coal	10		31%
4.	Hemgiri block <i>(Sundargarh )</i>	Coal	05		16%

5.	Sukinda ( <i>Jajpur</i> )	Chromite		21	81%
6.	Sundargarh ( <i>Sundargarh</i> )	Limestone & Dolomite	22	25	88%
7.	Raygada-Koraput ( <i>Raygad and, Koraput</i> )	Bauxite	05	07	71%
<b>Total</b>			<b>202</b>	<b>249</b>	<b>81%</b>

The mines in cluster constitute about 81% of total mines in the respective sectors.

### Measures taken for abatement of pollution due to mining activities

Consent is granted to the mines under the above provisions stipulating conditions related to prevention and control of environmental pollution. Status compliance of the stipulated conditions is periodically verified by the Board officials and appropriate action is taken based on the status compliance of the stipulation. The pollution mitigation measures of individual mines in a specific sector are summarized in Table 3.

**Table 3: Pollution Mitigation Measures taken by mines in different Sectors**


Sl. No.	Mines	Water pollution mitigation measures	Air pollution mitigation measures
1.	Coal	<ul style="list-style-type: none"> <li>• Garland drain and provision of settling pond/ mine sump for surface runoff management</li> <li>• Effluent Treatment Plant for mine drainage water</li> <li>• Sewage Treatment Plant for domestic effluent</li> <li>• Oil and Grease Trap for treatment of workshop effluent</li> <li>• Concurrent back filling of mined out voids using internal burden and followed by biological reclamation</li> </ul>	<ul style="list-style-type: none"> <li>• Deployment of surface miner with inbuilt dust suppression system replacing Blasting and Dumper –Shovel combination method of mining..</li> <li>• Wet drilling and controlled blasting of over burden(OB) to minimize dust generation</li> <li>• Water sprinkling system at various dust generating sources to control fugitive dust emission</li> <li>• Black topping and proper maintenance of permanent coal transportation roads to reduce fugitive dust generation</li> <li>• Avoiding creation of ruts and pot holes on haul roads of mine to minimize generation of fugitive dust</li> <li>• Plantation</li> </ul>

2.	Iron &Manganese	<ul style="list-style-type: none"> <li>• Toe wall, garland drain and sedimentation basin for runoff management</li> <li>• check dam and check weirs at strategic location of the mine for runoff management</li> <li>• Stabilization of OB by covering it with geotextile/coir matting and plantation</li> <li>• Sewage Treatment Plant for domestic effluent in large mines having colony/Discharge of domestic effluent to soak pit via septic tank</li> <li>• Oil and Grease separation system for treatment of workshop effluent</li> </ul>	<ul style="list-style-type: none"> <li>• Wet drilling and controlled blasting to minimize dust generation</li> <li>• Water sprinkling on haul roads and dry-fog system in mineral handling plants for control of fugitive dust</li> <li>• Proper maintenance of haul roads to prevent generation of dust</li> <li>• Disposal of tailings generated from ore beneficiation plant into tailing pond and recirculation of overflow water/discharge after settling of tailings</li> <li>• Plantation</li> </ul>
3.	Chromite	<ul style="list-style-type: none"> <li>• Effluent Treatment Plant for treatment of mine drainage water and surface runoff water</li> <li>• Toe wall and garland drain</li> <li>• Stabilization of OB by coir matting and plantation</li> <li>• Sewage Treatment plant for domestic effluent/or discharge into soak pit via septic tank</li> </ul>	<ul style="list-style-type: none"> <li>• Wet drilling and controlled blasting to minimize dust generation</li> <li>• Water sprinkling on haul roads to minimize dust generation</li> <li>• Plantation</li> </ul>
4.	Limestone and Dolomite	<ul style="list-style-type: none"> <li>• Toe wall and garland drain</li> <li>• Settling pond</li> </ul>	<ul style="list-style-type: none"> <li>• Wet drilling and controlled blasting to reduce dust generation</li> <li>• Water sprinkling on haul roads to prevent dust generation</li> <li>• plantation</li> </ul>
5.	Bauxite	<ul style="list-style-type: none"> <li>• Check dam for surface runoff management</li> <li>• Effluent Treatment Plant for workshop and canteen effluent</li> <li>• Back filling of mined out area using overburden</li> </ul>	<ul style="list-style-type: none"> <li>• Deployment of ripper dozer to minimize dust generation</li> <li>• Water sprinkling on haul roads to control dust emission</li> <li>• Plantation</li> </ul>

Annexure-13

[f \(https://www.facebook.com/pages/National-Mission-for-Clean-Ganga/1502674319951269/\)](https://www.facebook.com/pages/National-Mission-for-Clean-Ganga/1502674319951269/) | [t \(https://twitter.com/cleanangangarnco\)](https://twitter.com/cleanangangarnco) | [y \(https://www.youtube.com/channel/UCds1rFfeU0BQHrIPDK6qSYQ\)](https://www.youtube.com/channel/UCds1rFfeU0BQHrIPDK6qSYQ) | [i \(https://www.instagram.com/namanganga/\)](https://www.instagram.com/namanganga/)


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सत्यमेव जयते

# National Mission for Clean Ganga

(Registered Society, Under Act 1860)  
 Ministry of Jal Shakti  
 Department of Water Resources, River Development & Ganga Rejuvenation  
 Government of India  
[\(index.aspx\)](#)



**Grievance Report**

## Grievance Report

<b>Grievance till</b> Date: 0	<b>Pending till</b> Date: 0	<b>Disposed till</b> Date: 0
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\* Date From (DD/MM/YYYY)

\* Date To (DD/MM/YYYY)

<https://nmcg.nic.in/admin/ug/grievance-report.aspx>
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