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STATE POLLUTION CONTROL BOARD, ODISHA

[DEPARTMENT OF FOREST & ENVIRONMENT, GOVERNMENT OF ODISHA]
Paribesh Bhawan, A/118, Nilakanthanagar, Unit-VIII,
Bhubaneswar - 751 012

No. 1328

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

DI. 29.1.2021

Speed Post/ Email

To

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

Sub : Submission of Monthly Progress Report for December-2020 related to Control of River Pollution -Reg.

Ref : Email of Dt. 08.10.2020

Sir,

In Inviting a reference to above subject, the Monthly Progress Report for the month of December-2020 as per the Revised MPR Format in compliance to the Proceedings of the 8th Central Monitoring Committee is enclosed herewith for your kind information and necessary action.

Encl : As above

Yours faithfully,

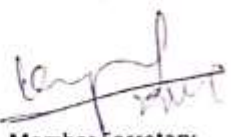

Member Secretary

Memo No. 1329

Date : 29.1.2021

Copy forwarded to Dr. J.C. Babu, Addl. Director, WQM-I Division, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi -110032 for kind information and necessary action.

Encl : As above

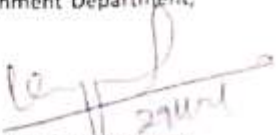

Member Secretary

Memo No. 1330

Date : 29.1.2021

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

Encl : As above


Member Secretary

**Compliance of Minutes of 8th Meeting of Central Monitoring Committee held on
05.01.2021 through Video Conferencing**

Suggestions of 8th CMC Meeting	Compliance by OSPCB
1) No Progress on bioremediation for identified drains (18 nos.) discharging into polluted river stretches	As reported by Orissa Water Supply and Sewerage Board, at present proven technology is not available for in-situ treatment of wastewater in drains Information submitted at Item No. X of the MPR at Page No. 9.
2) Model River being adopted by the State to be identified and specified in the MPR.	As per the information received from Odisha Water Supply and Sewerage Board, Cuttack stretch on Kathajodi river has been considered as Model river. Information submitted at Item No. XXII of the MPR at Page No. 11.
3) Percentage of progress during the period September, October and November	As per the information received from Odisha Water Supply and Sewerage Board, Percentage of progress during the period October, November and December - 2020 has been enclosed as Annexure-1 at Page No. 13 of MPR.

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 December, 2020

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
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	66.79% completed	Not taken up	June, 2021
8	Ruptala Balughat, Rourkela	40 MLD	STPs under Trial Run	0.3 % (65/ 21000)	STP under Trial Run and Testing under Progress

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	

(Information received from Orissa Water Supply and Sewerage Board has been attached as Annexure-2)

Details of Non-complying STPs During December, 2020

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	97.5	67.0	160000
2	Outlet of STP, Bankimuhan at Puri (5 MLD)	7.6	45.0	42.0	24000
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 : 6972
- No. of water polluting industries in the State: 1211
- Quantity of effluent generated from the industries in MLD: 802 MLD
(For treatment)
- Quantity of Hazardous Sludge generated from the Industries in TPD:141.9 TPD
- Number of industrial units having ETPs: 1182
- 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 : 1182 Numbers, 1023 MLD
Under Construction : Nil
Proposed : Nil
Total : 1182 Numbers, 1023 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 59 numbers of Industries have been inspected for compliance status. Out of these 56 ETPs comply to the discharge norms.
Wherever violation is observed, show cause notices are being issued to the industries. During December, 2020, Closure direction has been issued to 29 number of units for operating without ETPs. Show Cause Notice Issued to Three Industries for non-compliance of ETPs and Action to be taken for one industry 1 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 : 1685 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)	112	478	52 %
Materials Recovery Facility (MRF)	84	322	42 %

- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)

Action plan to bridge the gap between Installed Capacity and Current Utilization

- ULBs will improve the coverage of wards on source segregation (currently 80% wards covered, by December 2020- 90%, by March 2020- 95%)
- Swachh Sathis and Swachh Supervisors have been assigned to create awareness on the roles and responsibilities of different waste generators.
- Naming & Shaming measures are being taken up by door-to-door collectors to achieve 100% Source Segregation
- Door-to-door collection of segregated waste are being taken up through women driven Battery Operated Vehicles
- Ama Sahar App has been adopted for real time monitoring of Waste Collection, Transportation, Processing, User Fee Collection and Disbursement of Incentives to Sanitation Workers

- 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
2024	2024 (100%)	1627 (80%)

- 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:1,175 TPD)
 - MSW processing facilities Functional :
 - Composting Facility- Number of Functional Micro Composting Center (MCC):112 Nos.(Capacity:478 TPD)
 - Number of Functional Material Recovery Facilities (MRF):84Nos. (Capacity: 322 TPD)
 - MSW processing facilities Under Construction:
 - Composting Facility - Micro Composting Centres (MCC):114 Nos. (Capacity:570 TPD)
 - Material Recovery Facilities (MRF):88Nos. (Capacity:440 TPD)
- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.
 - Garbage dumpsites: 102 numbers (200 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, WaterLands:225
 - Drains having floating racks/screens installed: 210

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-3					

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

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: 6,79,656 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 13th 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.
During December, 2020, 6638 Tonne of Hazardous waste has been treated in TSDF.
- 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- Lakhanpur, Dist- Jharsuguda (Obtained Term of Reference Only)

VIII. Plastic Waste Management:

- Total Plastic Waste generation: 101.3 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-1)

- 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). Monthwise water quality status of polluted river stretch with respect to BOD during 2020 is given as Annexure-6 (c).

Latest water quality of all river water quality stations being monitored by the Board is given as Annexure-7.

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 15 Nos. completed and the remaining 50 Numbers are in progress
(ii)	Through Check Dams	Upto 03/2020	15604 Nos. in 30 districts (Completed since inception of the scheme in 2010-11)
		Upto 12/2020	15755 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 128th 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 the identified vacant areas/ flood plains on the bank of the river stretches with the help of the Forest and Environment 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-8)

(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-9)

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-10)

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-3 (a), no. 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.

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-11.

(Information received from Orissa Water Supply and Sewerage Board has been attached as Annexure-11)

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-12.

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 Three 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-13.



Orissa water supply & sewerage board

(A Govt. of Odisha Undertaking)

Satyanagar, Bhubaneswar-751007 Phone: (0674)2571341 /2571185 Fax:2571348,
Mail- msowssb@gmail.com & msowssb@outlook.com

No. 278 (WE) /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,


25/1/21
Member Secretary

Memo No. 279 (WE) /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.

Encl.: As above.


25/1/21
Member Secretary

Memo No. 280 (WE) /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.

Encl.: As above.


25/1/21
Member Secretary

Memo No. 281 (WE) /OWSSB

Date 25 01 2021

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

Encl.: As above.


25/1/21
Member Secretary

**FORMAT FOR SUBMISSION OF MONTHLY PROGRESS REPORT BY OWSSB (HON'BLE
NGT IN THE MATTER OF OA. 673/2018 DATED 06.12.2019) FOR THE MONTH
OF JANUARY 2021**

(UP TO 21st JAN 2021)

Sl.	Activity to be monitored	Timeline	Progress/ compliance/ status																
1.	Ensure 100% treatment of sewage at least in situ remediation	31.03.2020	<p>i) Quantity of sewage treated in ULBs as on 21st of January 2021</p> <p>i. Puri - 16 mld</p> <p>ii. Cuttack - 51.39 mld</p> <p>iii. Talcher - <u>2 mld</u></p> <p>Total - 69.39 mld</p> <p>ii) Out of projected/ desired sewage generation in 6 ULBs of the state i.e. 367 MLD, at present 69.39 MLD is being treated. It is targeted to treat balance 297.61 MLD sewage generated in 4 ULBs of the state will be treated during Dec.2021.</p>																
	Commencement of setting up of STPs connecting all the drains and other sources of generation of sewage to the STPs must be ensured	31.03.2020	<p>3 nos. STPs have been constructed for treating drain water of following towns.</p> <p>i. Cuttack : 33 MLD STP at Matgajpur</p> <p>ii. Puri : 5 MLD STP at Bankimuhan</p> <p>iii. Talcher : 2 MLD STP at Mandapal</p> <p>No other STPs are now under construction for treating of drain water.</p>																
2.	Timeline for completing all steps of action plans including completion of setting up STPs & their commissioning.	31.12.2021	<table border="1"> <thead> <tr> <th colspan="2">Bhubaneswar Sewerage District-I</th> </tr> </thead> <tbody> <tr> <td>Sewerage Treatment Plant (STP) – 1 No (56 mld)</td> <td>Trial run in progress</td> </tr> <tr> <th colspan="2">Bhubaneswar Sewerage District-II</th> </tr> <tr> <td>Sewerage Treatment Plant (STP) – 1 No (28mld)</td> <td>Trial run in progress</td> </tr> <tr> <th colspan="2">Bhubaneswar Sewerage District-III</th> </tr> <tr> <td>Sewerage Treatment Plant (STP) – 1 No (43.5mld)</td> <td>Trial run in progress.</td> </tr> <tr> <th colspan="2">Bhubaneswar Sewerage District-IV</th> </tr> <tr> <td>Sewerage Treatment Plant (STP) – 1 No (8.5mld)</td> <td>Trial run in progress.</td> </tr> </tbody> </table>	Bhubaneswar Sewerage District-I		Sewerage Treatment Plant (STP) – 1 No (56 mld)	Trial run in progress	Bhubaneswar Sewerage District-II		Sewerage Treatment Plant (STP) – 1 No (28mld)	Trial run in progress	Bhubaneswar Sewerage District-III		Sewerage Treatment Plant (STP) – 1 No (43.5mld)	Trial run in progress.	Bhubaneswar Sewerage District-IV		Sewerage Treatment Plant (STP) – 1 No (8.5mld)	Trial run in progress.
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		June 2021	<table border="1"> <thead> <tr> <th colspan="2">Bhubaneswar Sewerage District-VI</th> </tr> </thead> <tbody> <tr> <td>Sewerage Treatment Plant (STP) – 1 No. (48 mld)</td> <td>67.20% work completed</td> </tr> </tbody> </table>	Bhubaneswar Sewerage District-VI		Sewerage Treatment Plant (STP) – 1 No. (48 mld)	67.20% work completed												
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		2021(Targeted for part commissioning)	Sewerage Treatment Plant (STP) – 1 No (40mld)	93% work completed.
4.1	Progress report may be comprised of details along with completion timeline on	Dec.2021	Polluting sources i.e. drains contributing to river pollution have been identified and detail information is being compiled.	
	i) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in situ treatment.		At present proven technology is not available for in situ treatment of waste water in drain.	
	ii) <u>Status of STP (I&D) and Sewerage network.:</u> Details of existing infrastructure, gap analysis, proposed along with completion timeline.	Dec.2021	Sewerage Project Under ULBs	Progress as on 21st of January 2021
			Bhubaneswar Sewerage District-I	
			Sewer network	51.07/67.12 km (76.08 % completed)
			Sewerage Treatment Plant (STP) – 1 No (56 mld)	Trial run in progress
			Sewage Pumping Station	3/5 Nos.(42 %) work completed.
			Bhubaneswar Sewerage District-II	
			Sewer network	47.68/67.22 km (72.42 % completed)
			Sewerage Treatment Plant (STP) – 1 No (28 mld)	Trial run in progress
			Sewage Pumping Station	11/14 Nos (65 % completed)
			Bhubaneswar Sewerage District-III	
			Sewer network	133.91/213.012 km (62.87% completed)
			Sewerage Treatment Plant (STP) – 1 No (43.5 mld)	Trial run in progress
			Sewage Pumping Station	6/9 Nos (45% completed)

			Bhubaneswar Sewerage District-IV	
			Sewer network	15.40/16.42 km 93.78% completed.
			Sewerage Treatment Plant (STP) – 1 No. (8.5 MLD)	Trial run in progress
			Sewage Pumping Station	4/4 Nos 89% completed.
		June 2021	Bhubaneswar SD-VI	177.06/253.86 kms (69.75% completed)
		March 2021	Sewer network for Cuttack Sewerage District-I, II & III	311.42/382.03 kms (81.52% completed)
		March 2021	Construction of 3 STP in Bhubaneswar & Cuttack	79.39 % completed.
		March 2021	Rourkela City	
			Sewer network (Rourkela West)	159.43/187.70 km (84.93% completed)
			Sewerage Treatment Plant (STP) – 1 No (40 MLD)	Trial run in progress
			Sewage Pumping Station	4/6 Nos (70% completed)
		March 2021	Sambalpur City	
			Sewer network	90.95/252.7 kms (35.99% completed)
			Sewerage Treatment Plant (STP) – 1 No (40 mld)	93% Completed.
			Sewage Pumping Station	5/8 Nos (39% completed)

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	JICA assisted Odisha Integrated Sanitation Improvement Project in Bhubaneswar & Cuttack City				
		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	13.492/1997 (67.53%)	13.578/19.977 km(67.97%)	13.698/19.977 km(68.56%)	13.794/19.977 km(76.86%)
		Construction of Sewerage System in Rourkela Town				
		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
		Construction of Sewerage System in Sambalpur City				
		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.	i)Construction of 11 nos. of Septage Treatment Plants in 11 ULBs of the State (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

		<p>ii. Construction of 70 Nos of SeTPs in 70 Nos of ULBs (1) Balangir (30 KLD), (2) Bhawanipatna (30 KLD), (3) Titilagarh (10 KLD), (4) Kesinga (10 KLD), (5) Khariar (10 KLD), (6) Kantabanji (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) Brajarajnaragar (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),</p>	<p>Work under progress by different organisations. * <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) Brajarajnaragar- 30 KLD, (7) Sundargarh-20 KLD (8) Belpahar- 10 KLD. * <u>WATCO (2 nos.) :</u> (1) <u>Jatani-</u> 20 KLD (2) Khordha- 20 KLD) * OWSSB (1 no.) : 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.</p>	<p>Work under progress by different organisations. * <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) Brajarajnaragar- 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) Khordha- 20 KLD) * WATCO (1 no.) : 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.</p>	<p>Work under progress by different organisations. * <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) Brajarajnaragar- 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) Khordha- 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.</p>	<p>Work under progress by different organisations. * PHEO (10 nos. SeTPs) : (1) Bhawanipatna- 30 KLD , (2)Aska- 10 KLD, (3) Sorada- 10 KLD, (4) Banki- 10 KLD ,(5) Jharsuguda- 40 KLD, (6) Brajarajnaragar- 30 KLD, (7) Sundargarh-20 KLD (8) Belpahar- 10 KLD. (9) Burla - 20 KLD (10) Hirakud - 20 KLD * WATCO (3 nos.) : (1) Jatani- 20 KLD (2) Khordha- 20 KLD & (3) 2nd SeTP at Rokat Bhubaneswar * EOs of ULBs - (57 Nos.) : Work under progress. It is targeted to complete the construction of SeTPS during the year 2021-22.</p>
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		(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) Purushothampur (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 & under scrutiny.</p>	<p>Tender opened & 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>



Orissa Water Supply & Sewerage Board

(A Govt. of Odisha Undertaking)

Satyanagar, Bhubaneswar-751007 Phone: (0674)2570086/2571185

Email msowssb@gmail.com/ ceowssb@gmail.com Fax:2571348

No. 303 (WE) /dt. 27.01.2021
W-26/2020

To

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

Sub.: Submission of progress report in the revised format in the NGT matter OA No. 673 of 2018 (in compliance to NGT order dtd. 24.09.2020).

Ref.: Memo No. 21160 dt. 29.12.2020 of F & E Deptt. Govt. of Odisha to your address

Sir,

With reference to the captioned subject the Monthly Progress Report in the NGT matter OA No. 673/2018 (in compliance to NGT order dtd 24.09.2020) duly filled in the revised format is enclosed herewith for kind information & necessary action at Govt. level.

Yours faithfully,

Encl.: As above.

Memo No. 304 (WE) /dt. 27.01.2021

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.

Memo No. 305 (WE) /dt. 27.01.2021

Copy alongwith copy of enclosure forwarded to the Executive Director –Technical National Mission for Clean Ganga, Dept. of Water Resources, River Development & Ganga Rejuvenation, Ministry of Jalashakti, New Delhi-110002, Email-uyrb-mowr@nic.in

Memo No. 306 (WE) /dt. 27.01.2021

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.

OA No. 673 lett. for clean Ganga

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

Overall status of the State:

I. Total Population : Urban Population :-

Rural Population separately :

II. Estimated Sewage Generation (MLD):

III Details of Sewage Treatment Plant:				
a. Existing no. of STPs and Treatment Capacity (in MLD):	Sl. No.	Name of town	WWTP/ STP	No.
	1	Cuttack	Wastewater treatment Plant at Matagajpur - 33 MLD	1 No.
			Sewage Treatment Plant at Minatagajpur - 36 MLD	1 No.
	2	Puri	Wastewater treatment Plant at Bankimuhan - 5 MLD	1 No.
			Sewage Treatment Plant at Mangalaghat - 15 MLD	1 No.
3	Talcher	Wastewater treatment Plant at Mandapal -2 MLD	1 No.	
			Total : 91 ML	5 Nos.
b. Capacity Utilization of existing STPs:	Sl. No.	Name of town	Capacity of WWTP/ STP in MLD	Capacity utilized in MLD
	1	Cuttack	Wastewater treatment Plant at Matagajpur - 33 MLD	33
			Sewage Treatment Plant at Matagajpur - 36 MLD	18.39
	2	Puri	Wastewater treatment Plant at Bankimuhan - 5 MLD	5
			Sewage Treatment Plant at Mangalaghat - 15 MLD	11
3	Talcher	Wastewater treatment Plant at Mandapal -2 MLD	2	
			Total : 91 MLD :	69.39 MLD
c. MLD of sewage being treated through Alternate technology:	:	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 nos. SeTP in the State during the year 2021-22 for treatment of 1565 KLD (1.565 MLD) Septage to cover all the 114 ULBs.		
d. Gap in Treatment Capacity in MLD:	:	-		

e. No. of Operational STPs:	:	5 Nos.	
f. No. of Complying STPs:	:	5 nos.	
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	2	Matagajpur, Cuttack	33	33	Running smoothly	O&M by PHEO
		CDA, Cuttack	36	18.39	-do-	O&M by OISIP, JICA, Cuttack
2	2	Mangalaghat, Puri	15	11	-do-	O&M by PHEO
		Bankimuhan, Puri	5	5		
3	1	Mandapal, Talcher	2	2	-do-	O&M by PHEO

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 under trial run
		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	65	Trial run in progress	0.30% (65/ 21000 nos.)	Trial run & testing under progress.
4	1	Matagajpur, Cuttack	16	78.10	76.88 (11533/15000 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				

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
- Number and total capacity of ETPs (details of existing/ under construction / proposed) : 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				

V. 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

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
			Nil		

VI. Bio-medical Waste Management: Not relates to OWSSB

- Total Bio-medical generation: Nil
- No. of Hospitals and Health Care Facilities: Nil
- Status of Treatment Facility/ CBMWTF: Nil

VII. Hazardous Waste Management: Not relates to OWSB

- Total Hazardous Waste generation: Nil
- No. of Industries generating Hazardous waste : Nil
- Treatment Capacity of all TSDFs : Nil
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated : Nil
- Details of on-going or proposed TSDF : Nil

VIII. Plastic Waste Management: Not relates to OWSB

- Total Plastic Waste generation: Nil
- Treatment/ Measures adopted for reduction or management of plastic waste: Nil

IX. Details of Alternate Treatment Technology being adopted by the State/UT : Nil

X. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment: Nil

XI. Details of Nodal Officer appointed by Chief Secretary in the State/UT: Nil

XII. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT: Nil

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river; Nil

- XIV. Ground water regulation: Nil
- XV. Good irrigation practices being adopted by the State: Nil
- XVI. Rain Water Harvesting: Nil
- XVII. Demarcation of Floodplain and removal of illegal encroachments: Nil
- XVIII. Maintaining minimum e-flow of river: Nil
- XIX. Plantation activities along the rivers: Nil
- XX. Development of biodiversity park: Nil
- XXI. Reuse of Treated Water: Nil
- XXII. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards: Nil
- XXIII. Status of Preparation of Action Plan by the 13 Coastal States: Nil
- XXIV. Regulation of Mining Activities in the State/UT: Nil
- XXV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring : Nil



Tel -0674-2392104/2390147
e-mail : sanitationhud@gmail.com
Website: 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. 16593 HUD. Date: 22/10/2020

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 & This Deptt. Letter No.15639 Dated
08.10.2020

Sir,

I am directed to send herewith Monthly Progress Report [MPR] in the revised
format as intimated for onward transmission to the Central Pollution 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,

Encl : As above

22.10.2020

Additional Secretary to Govt. &
Additional Mission Director, SBM (Urban)

Memo No. 16594 Date: 22/10/2020

Copy along with copy of the enclosures forwarded to the Director,
Environment, Forest & Environment Department/ Member Secretary, OWSSB / MD,
WATCO / Team Leader, TSU-FSSM for information & necessary action.

Copy forwarded to Guard File (sanitationhudedespatch@gmail.com).

22.10.2020
Additional Secretary to Govt. &
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: 1,685 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)	112	478	52%
Materials Recovery Facility (MRF)	84	322	42%

- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)

Action plan to bridge the gap between Installed Capacity and Current Utilization

- ✓ ULBs will improve the coverage of wards on source segregation (currently – 80% wards covered, by December 2020 – 90%, by March 2020 – 95%)
- ✓ Swachh Sathis and Swachh Supervisors have been assigned to create awareness on the roles and responsibilities of different waste generators.
- ✓ Naming & Shaming measures are being taken up by door-to-door collectors to achieve 100% Source Segregation
- ✓ Door-to-door collection of segregated waste are being taken up through women driven Battery Operated Vehicles
- ✓ *Ama Sahar* App has been adopted for real time monitoring of Waste Collection, Transportation, Processing, User Fee Collection and Disbursement of Incentives to Sanitation Workers

- 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

2024	2024 (100%)	1627 (80%)
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Sl. No.

- 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:1,175 TPD)

MSW processing facilities Functional:

- ✓ Composting Facility - Number of Functional Micro Composting Center (MCC):112 Nos. (Capacity:478 TPD)
- ✓ Number of Functional Material Recovery Facilities (MRF):84Nos. (Capacity: 322 TPD)

MSW processing facilities Under Construction:

- ✓ Composting Facility - Micro Composting Centers (MCC):114 Nos. (Capacity:570 TPD)
- ✓ Material Recovery Facilities (MRF):88Nos. (Capacity:440 TPD)

- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.
 - ✓ Garbage dumpsites: 102 numbers (200 Acre 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: 210

Status of ULB wise Management of Solid Waste

Sl. No.	ULB Name	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
		Wet Waste	Dry Waste	Wet Waste	Dry Waste	MCC	MRF	Wet Waste	Dry Waste	MCC	MRF	
1	Anandpur (M)	4	4	4	4	1	1	100%	100%	1	1	31-12-2020
2	Angul (M)	5	5	5	5	3	2	100%	100%	0	0	
3	Asika (NAC)	4	4	4	4	2	1	100%	100%	0	0	
4	Athagad (NAC)	1	1	0	0	0	0	0%	0%	1	1	31-12-2020
5	Athmallik (NAC)	1	1	1	0	1	0	100%	0%	0	1	31-12-2020
6	Attabira NAC	2	2	2	0	1	0	100%	0%	0	1	31-12-2020
7	Balangir (M)	5	5	5	3	1	1	100%	60%	2	2	31-12-2020
8	Balasore (M)	10	10	0	0	0	0	0%	0%	4	4	31-12-2020
9	Balimela (NAC)	1	1	1	1	1	1	100%	100%	0	0	
10	Balliguda NAC	1	1	1	0	1	0	100%	0%	0	1	31-12-2020

Sl. No.	ULB Name	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
		Wet Waste	Dry Waste	Wet Waste	Dry Waste	MCC	MRF	Wet Waste	Dry Waste	MCC	MRF	
11	Balugaon (NAC)	1	1	0	0	0	0	0%	0%	1	1	31-12-2020
12	Banki (NAC)	2	2	2	2	1	1	100%	100%	0	0	
13	Banpur (NAC)	1	1	0	0	0	0	0%	0%	1	1	31-12-2020
14	Barbil (M)	6	6	5	5	1	1	83%	83%	1	1	31-12-2020
15	Bargarh (M)	1	1	1	1	1	1	100%	100%	2	2	31-12-2020
16	Baripada (M)	10	10	10	0	2	0	100%	0%	2	4	31-12-2020
17	Barpali (NAC)	3	3	3	2.5	1	1	100%	83%	0	0	
18	Basudebpur (M)	5	5	0	0	0	0	0%	0%	2	2	31-12-2020
19	Bellagantha (NAC)	2	2	2	0	1	0	100%	0%	0	1	31-12-2020
20	Belpahar (M)	3	3	3	0	1	0	100%	0%	1	2	31-12-2020
21	Berhmapur (MC)	65	49	0	8	0	4	0%	16%	1	0	31-12-2020
22	Bhadrak (M)	8	8	0	0	0	0	0%	0%	4	4	31-12-2020
23	Bhanjanagar NAC	2	2	0	0	0	0	0%	0%	1	1	31-12-2020
24	Bhawanipatna (M)	5	4	3	4	1	1	60%	100%	2	2	31-12-2020
25	Bhuban (NAC)	2	2	2	2	2	1	100%	100%	0	0	
26	Bhubaneswar (MC)	248	166	5	5	1	1	2%	3%	25	25	31-12-2020
27	Bijepur (NAC)	2	2	1	1	1	1	50%	50%	0	0	
28	Binika (NAC)	1	1	1	1	1	1	100%	100%	0	0	
29	Biramitrapur (M)	2	2	2	0	1	0	100%	0%	1	2	31-12-2020
30	Boudhgarh (NAC)	2	2	2	0	1	0	100%	0%	0	1	31-12-2020
31	Brajarajnagar (M)	4	4	4	0	1	0	100%	0%	2	3	31-12-2020
32	Buguda (NAC)	2	2	2	2	1	1	100%	100%	0	0	
33	Byasanagar (M)	4	4	4	3	1	1	100%	75%	1	1	31-12-2020
34	Champua NAC	2	2	0	0	0	0	0%	0%	1	1	31-12-2020
35	Chandbali (NAC)	2	2	0	0	0	0	0%	0%	1	1	31-12-2020
36	Chhatrapur (NAC)	4	4	4	4	1	1	100%	100%	0	0	
37	Chikiti (NAC)	2	2	2	2	1	1	100%	100%	0	0	
38	Choudwar (M)	6	5	2	2	1	1	33%	40%	1	1	31-12-2020
39	Cuttack (MC)	142	104	11.7	2	3	1	8%	2%	16	18	31-12-2020
40	Daspalla NAC	2	2	2	2	1	1	100%	100%	0	0	
41	Deogarh (M)	2	2	2	2	1	1	100%	100%	0	0	
42	Dhamnagar (NAC)	2	2	0	0	0	0	0%	0%	1	1	31-12-2020
43	Dharmagarh NAC	2	2	2	2	1	1	100%	100%	0	0	
44	Dhenkanal (M)	8	8	8	8	5	3	100%	100%	0	0	
45	Digapahandi (NAC)	2	2	2	2	1	1	100%	100%	0	0	
46	G. Udayagiri (NAC)	2	2	2	2	1	1	100%	100%	0	0	
47	Ganjam (NAC)	1	1	0	0	0	0	0%	0%	1	1	31-12-2020
48	Gopalpur (NAC)	2	2	2	2	1	1	100%	100%	0	0	
49	Gudari (NAC)	2	2	0	0	0	0	0%	0%	1	1	31-12-2020
50	Gunupur (M)	4	4	0	0	0	0	0%	0%	1	1	31-12-2020
51	Hindol NAC	2	2	2	2	1	1	100%	100%	0	0	

Sl. No.	ULB Name	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
		Wet Waste	Dry Waste	Wet Waste	Dry Waste	MCC	MRF	Wet Waste	Dry Waste	MCC	MRF	
52	Hinjilicut (M)	3	3	3	3	1	1	100%	100%	0	0	
53	Jagatsinghpur (M)	6	5	0	0	0	0	0%	0%	2	2	31-12-2020
54	Jajpur (M)	6	5	5	5	1	1	83%	100%	1	1	31-12-2020
55	Jaleshwar (M)	3	3	0	0	0	0	0%	0%	1	1	31-12-2020
56	Jatani (M)	6	5	5	5	1	1	83%	100%	1	1	31-12-2020
57	Jeypore (M)	10	10	5	5	1	1	50%	50%	2	2	31-12-2020
58	Jharsuguda (M)	8	8	5	0	1	0	63%	0%	2	3	31-12-2020
59	Joda (M)	6	5	6	5	2	2	100%	100%	0	0	
60	Junagarh (NAC)	2	2	0	0	0	0	0%	0%	1	1	31-12-2020
61	Kabisurjyanagar (NAC)	2	2	2	2	1	1	100%	100%	0	0	
62	Kamakshyanagar (NAC)	1	1	1	1	1	1	100%	100%	0	0	
63	Kantabanji (NAC)	1	1	1	1	1	1	100%	100%	0	0	
64	Karanja (NAC)	2	2	0	0	0	0	0%	0%	1	1	31-12-2020
65	Kashinagar (NAC)	1	1	0	0	0	0	0%	0%	1	1	31-12-2020
66	Kendrapara (M)	5	5	5	5	1	1	100%	100%	1	1	31-12-2020
67	Keonjhar (M)	6	5	5	0	1	0	83%	0%	1	2	31-12-2020
68	Kesinga (NAC)	2	2	2	2	1	1	100%	100%	0	0	
69	Khalikote (NAC)	2	2	2	2	1	1	100%	100%	0	0	
70	Khandapada (NAC)	2	2	0	0	0	0	0%	0%	1	1	31-12-2020
71	Khariar (NAC)	2	2	2	2	1	1	100%	100%	0	0	
72	Khariar Road (NAC)	2	2	2	2	1	1	100%	100%	0	0	
73	Khordha (M)	5	4	5	4	1	1	100%	100%	1	1	31-12-2020
74	Kodala (NAC)	2	2	2	0	1	0	100%	0%	0	1	31-12-2020
75	Konark (NAC)	2	2	1	1	1	1	50%	50%	0	0	
76	Koraput (M)	8	8	5	5	1	1	63%	63%	1	1	31-12-2020
77	Kotpad (NAC)	2	2	2	2	2	2	100%	100%	0	0	
78	Kuchinda (NAC)	2	2	2	1.5	1	1	100%	75%	0	0	
79	Malkangiri (M)	4	4	0	0	0	0	0%	0%	1	1	31-12-2020
80	Nabarangapur (M)	3	3	3	0	1	0	100%	0%	0	1	31-12-2020
81	Nayagarh (M)	3	3	3	0	1	0	100%	0%	0	1	31-12-2020
82	Nilagiri (NAC)	2	2	0	0	0	0	0%	0%	1	1	31-12-2020
83	Nimapara (NAC)	2	2	2	0	1	0	100%	0%	0	1	31-12-2020
84	Nuapada NAC	2	2	2	2	1	1	100%	100%	0	0	
85	Odagaon (NAC)	1	1	1	1	1	1	100%	100%	0	0	
86	Padmapur NAC	2	2	2	0	1	0	100%	0%	0	1	31-12-2020
87	Paradeep (M)	9	7	9	7	2	2	100%	100%	1	1	31-12-2020
88	Paralakhemundi (M)	7	7	3	3	1	1	43%	43%	1	1	31-12-2020
89	Patnagarh (NAC)	2	2	2	2	1	1	100%	100%	0	0	
90	Pattamundai (M)	4	4	4	0	1	0	100%	0%	1	2	31-12-2020
91	Phulabani (M)	3	3	3	3	1	1	100%	100%	1	1	31-12-2020

Sl. No.	ULB Name	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
		Wet Waste	Dry Waste	Wet Waste	Dry Waste	MCC	MRF	Wet Waste	Dry Waste	MCC	MRF	
92	Pipili (NAC)	2	2	2	0	1	0	100%	0%	0	1	31-12-2020
93	Potasara (NAC)	2	2	2	2	1	1	100%	100%	0	0	
94	Puri (M)	29	27	20	20	4	4	69%	74%	3	3	31-12-2020
95	Purusottampur (NAC)	2	2	0	0	0	0	0%	0%	1	1	31-12-2020
96	Rairangpur (M)	1	1	1	1	1	1	100%	100%	0	0	
97	Rajagangapur (M)	2	2	2	2	1	1	100%	100%	1	1	31-12-2020
98	Rambha (NAC)	0	0	0	0	1	1	0%	0%	0	0	
99	RANPUR NAC	1	1	0	0	0	0	0%	0%	1	1	31-12-2020
100	Raurkela (MC)	52	44	15	7.5	3	3	29%	17%	7	7	31-12-2020
101	Rayagada (M)	7	7	7	0	2	0	100%	0%	1	3	31-12-2020
102	Redhakhoh (NAC)	1	1	1	1	1	1	100%	100%	0	0	
103	Sambalpur (MC)	46	41	15	0	3	0	33%	0%	8	10	31-12-2020
104	Sonepur (M)	3	3	3	3	1	1	100%	100%	0	0	
105	Soro (M)	3	3	3	3	1	1	100%	100%	0	0	
106	Sunabeda (M)	5	5	5	5	1	1	100%	100%	1	1	31-12-2020
107	Sundargarh (M)	5	4	5	4	2	1	100%	100%	0	1	31-12-2020
108	Surada (NAC)	2	2	2	2	1	1	100%	100%	0	0	
109	Talcher (M)	6	6	5	5	1	1	83%	83%	1	1	31-12-2020
110	Tarbha (NAC)	1	1	1	1	1	1	100%	100%	0	0	
111	Titilagarh (M)	3	3	3	3	1	1	100%	100%	0	0	
112	Tusura NAC	1	1	0	0	0	0	0%	0%	1	1	31-12-2020
113	Udala (NAC)	2	2	2	2	1	1	100%	100%	0	0	
114	Umerkote (M)	0	0	0	0	1	1	0%	0%	0	0	
Total:		923	762	478.2	321.5	112	84	52%	42%	126	151	

VIII. Plastic Waste Management:

- Total Plastic Waste generation: 101.3 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.

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 December, 2020

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))
1. Gangua nallah (D/s Bhubaneswar) (Priority-I)	Rajdhani Engineering College	7.1	3.2	6.5	160000	92000	240	NC
	Palasuni	6.9	2.0	8.5	160000	160000	240	NC
	Samantarapur	6.8	0.7	9.5	160000	160000	350	NC
	Vadimula	6.9	3.2	4.4	28000	14000	92	NC
2. Daya River (Bhubaneswar to Bargarh) (Priority-IV)	Bhubaneswar D/s at Kanti	7.2	4.2	3.4	35000	13000	79	NC
	Bhubaneswar FD/s at Manitri	7.4	7.9	2.2	22000	7900	54	NC
	Kanas	7.7	7.3	1.9	17000	7000	79	NC
3. Kuakhai River (Uruli to Bhubaneswar) (Priority-IV)	Bhubaneswar FU/s	7.6	9.7	<1.0	2400	790	4	C
	Bhubaneswar U/s	7.1	7.4	<1.0	3500	790	5	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
Chandrasekharapur	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-Govonor 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 December, 2020)

Sl. No.	Type	Quantity (MLD)	BOD (mg/L)	FC (MPN/100 mL)
	Drain Name	-		
1	Patia	-	71.7	160000
2	Sainik School	-	75.0	160000
3	Vani Vihar	-	150.0	160000
4	Laxmisagar area	-	100.0	160000
5	Baragada Area	-	58.0	160000
6	Kedargouri	-	100.0	160000
7	Airport area	-	16.0	160000
8	Ghatikia	-	90.0	160000
9	Nicco Park	-	97.5	160000
10	Sundarpada	-	9.5	160000

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))
4. Kathajodi River (Cuttack to Urali) (Priority-III)	Cuttack D/s	8.2	8.0	2.8	4900	2200	9	C
	Cuttack FD/s at Mattagajpur	7.9	7.6	2.6	3400	1300	5	C
5. Serua River (Khandaeta to Sankhatrasa) (Priority-V)	Cuttack FD/s at Sankhatrasa	8.1	7.2	1.3	1100	230	NA	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 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 (December, 2020)

Sl. No.	Station Name	Parameters					
		pH	BOD, mg/l	COD, mg/l	TSS, mg/l	TC	FC
							MPN/100ml
1	Outlet of STP, Cuttack at CDA-Bidanasi area (36 MLD)	7.2	5.3	20.7	11.0	<1.8	<1.8
2	Wastewater discharge to Kathajodi river through sluice gate at Khan nagar	7.2	47.5	105.8	59.0	1,60,000	1,60,000
3	Wastewater discharge to Kathajodi river at Mattagajpur	7.5	10.9	30.8	14.0	1,60,000	92.000

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))
6. Guradih nallah Along Rourkela (Priority-III)	Rourkela (before confluence with Brahmani river)	7.8	3.6	10.0	35000	17000	130	NC
7. Brahmani (Rourkela to Biritola) (Priority-V)	Panposh D/s at Deogaon	8.2	4.8	5.5	4000	1700	13	NC
	Rourkela D/s at Jalda	7.9	5.1	4.7	3400	1300	11	NC
	Rourkela FD/s at Attaghat	7.8	5.8	4.0	130	20	<1.8	NC
	Rourkela FFD/s at Biritola	7.9	7.2	2.2	230	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)	

No Ground water quality monitoring in Rourkela city 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))
8. Nandira jhor D/s Talcher (Priority-III)	Nandira D/s at Dasnali	8.5	10.8	1.9	1700	220	<1.8	C
9. Banguru nallah Along Talcher (Priority-V)	Along Talcher	6.9	8.6	<1.0	1700	330	14	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 : 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))
10. Mahanadi (Sambalpur to Paradeep) (Priority-V)	Sambalpur D/s	8.5	8.4	1.7	1300	330	2	C
	Sambalpur FD/s at Shankarmath	8.0	8.0	1.6	2400	490	5	C
	Sambalpur FFD/s at Huma	8.3	8.2	1.2	3500	490	<1.8	C
	Sonepur U/s	8.2	8.0	<1.0	170	45	<1.8	C
	Sonepur D/s	8.1	8.2	1.6	460	130	<1.8	C
	Tikarpada	8.3	10.4	<1.0	220	45	<1.8	C
	Narasinghpur	8.2	8.8	1.1	1300	490	<1.8	C
	Munduli	7.8	8.8	<1.0	2200	790	<1.8	C
	Cuttack U/s	7.9	8.8	<1.0	2400	790	<1.8	C
	Cuttack D/s	7.7	8.4	1.5	4600	1700	5	C
	Cuttack FD/s	7.7	8.4	1.2	3300	1300	5	C
Paradeep U/s	7.8	7.6	<1.0	790	330	14	C	
Paradeep D/s	7.8	7.0	1.5	1400	700	22	C	
11. Bheden Along Bheden (Priority-V)	Jharsuguda	8.0	7.8	1.6	490	130	NA	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 (December, 2020)

Name of river	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
Ib River	Sundargarh	8.1	7.8	1.1	1100	230	NA	C
	Jharsuguda	8.3	7.6	1.8	490	78	NA	C
	Brajrajnagar U/S	8.1	8.2	1.5	330	45	NA	C
	Brajrajnagar D/S	8.1	8.0	1.7	1100	130	NA	C
Ong River	Dharuakhaman	8.1	7.8	1.3	130	<1.8	<1.8	C
Tel River	Monmunda	8.1	8.0	1.9	78	<1.8	<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
Sambalpur town Along Mahanadi River						
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
Paradeep town Along Mahanadi River						
Badapadia market complex	October, 2020	8.3	1.7	7.015	1700	790
Musadiha	October, 2020	8.0	1.1	2.729	1300	490
Jharsuguda town in the catchment of Bheden river and Ib river						
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 : 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))
12. Mangala (Along Puri) (Priority-V)	Mangala D/s at Golasahi	7.8	15.7	2.6	3500	1100	<1.8	C
13. Nuna (Along Bijipur, Puri) (Priority-V)	Luna at Bijipur	7.4	7.5	1.8	22000	7900	79	NC
14. Ratnachira (Along Sakhigopal, Puri) (Priority-V)	Kumardihi	7.7	6.8	1.3	1100	490	2	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

Ground Water quality of 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 (December, 2020)

Sl. No.	Station Name	Parameters					
		pH	BOD, mg/l	COD, mg/l	TSS, mg/l	TC	FC
						MPN/100ml	
1	Outlet of STP, Puri at Mangalaghat 15 MLD)	7.5	17.3	53.3	31.0	35000	13000

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))
15. Nagavali (Jaykaypur to Rayagada) (Priority-V)	Jayakaypur D/s	7.9	6.7	1.6	130	20	<1.8	C
	Rayagada D/s	8.1	7.2	<1.0	78	20	<1.8	C

No Ground water quality monitoring in Rayagada 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))
16. Budhabalanga (Mahulia to Baripada) (Priority-V)	Baripada D/s	8	8.8	1.2	1700	490	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 : 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))
17. Kusumi Along Tangi(Priority-V)	Along Tangi	7.6	7.2	1.9	3500	1700	70	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	8.2	7.2	1.6	1300	460	11	C
	Potagarh	8.2	6.0	1.2	490	130	8	C
19. Sabulia Along Jagannathpatna, Rambha (Priority-V)	Jagannathpatna, Rambha	Not Monitored						
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

Status of Polluted River stretches in the State of Odisha during the period 2017-2020 with Maximum BOD values during the year

Sl. No.	Polluted River Stretches identified by CPCB	Priority Category of Polluted River stretch				Remarks (As on 2020)
		2017 (BOD mg/l, max)	2018 (BOD mg/l, max)	2019 (BOD mg/l, max)	2020 (BOD mg/l, max)	
1.	Gangua River (Along Bhubaneswar)	Priority-I (39.0)	Priority-I (70.8)	Priority-I (39.2)	Priority-III (19.9)	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 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 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 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)	No Improvement
6	Nagavali (Jaykaypur to Rayagada)	Priority-V (3.5)	Clean (2.8)	Clean (2.2)	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 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)	No Improvement
9	Ratnachira (Along Bhubaneswar, Puri)	Priority-V (3.3)	Priority-V (3.5)	Clean (2.7)	Clean (1.7)	Clean (Improved)
10	Nandira Jhor (D/s of Talcher)	Priority-III (13.0)	Priority-V (3.5)	Clean (1.9)	Clean (1.9)	Clean (Improved)
11	Kuakhai (Along Bhubaneswar)	Priority-IV (7.7)	Clean (1.6)	Clean (1.9)	Clean (1.8)	Clean (Improved)
12	Mahanadi (Sambalpur to Paradeep)	Priority-V (3.2)	Clean (2.3)	Clean (2.3)	Clean (2.7)	Clean (Improved)
13	Rushikulya (Pratappur to Ganjam)	Priority-V (3.4)	Priority-V (3.7)	Clean (2.6)	Clean (2.1)	Clean (Improved)
14	Banguru nallah (Along Talcher, Rengali)	Priority-V (3.2)	Priority-V (3.9)	Clean (1.9)	Clean (1.6)	Clean (Improved)
15	Bheden (Along Bheden)	Priority-V (3.6)	Clean (2.8)	Clean (2.0)	Clean (1.8)	Clean (Improved)
16	Kusumi (Along Talcher)	Priority-V (3.2)	Clean (1.7)	Clean (2.6)	Clean (2.0)	Clean (Improved)
17	Nuna (Along Bijipur)	Priority-V (3.1)	Clean (2.7)	Clean (2.5)	Clean (1.8)	Clean (Improved)
18	Sabulia (Jagannathpatna, Rambha)	Priority-V (5.0)	Clean (2.4)	Clean (2.2)	Clean (1.9)	Clean (Improved)
19	Budhabalanga (Mahulia to Baripada)	Priority-V (3.5)	Clean (2.8)	Clean (1.6)	Clean (1.9)	Clean (Improved)

Summary of Number of Polluted River Stretches under Different Category during the Period 2017-2020

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

N.B.Clean - BOD < 3 mg/l

Water quality status of polluted river stretch with respect to Biochemical Oxygen Demand (BOD) during 2020

River	Sl. No.	Polluted River stretch with Priority Category	Monitoring station	BOD (mg/L)												Whether latest water quality Conforming to Target level (3.0 mg/L) and Priority based on latest water quality
				Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	
Gangua	1	D/s Bhubaneswar (Priority-I)	Near Rajdhani Engg. College	13.3	4.4	4.2	3.3	9.4	9.6	5.7	5.2	4.7	5.6	5.7	6.5	No Priority-IV
			Palasuni	19.9	6.7	6.5	3.8	8.8	8.9	8.8	5.4	4.3	4.2	8.0	8.5	
			Samantarapur	13.8	11.4	9.2	6.4	10.8	11.4	9.8	6.3	6.5	5.1	9.3	9.5	
			Vadimula	8.5	4.7	4.5	3.4	4.2	4.6	5.3	4.2	NM	4.5	4.0	4.4	
Guradihnallah	2	Along Rourkela (Priority-III)	Rourkela (before confluence with Brahmani)	5.0	5.0	5.2	2.9	6.1	NA	7.6	6.3	5.0	6.0	8.0	10.0	No Priority-IV
Kathajodi	3	Cuttack to Urali (Priority-III)	Cuttack D/s	1.9	2.6	1.1	0.4	1.5	NA	3.4	3.6	2.7	2.6	2.5	2.8	Yes Clean
			Mattagajpur	1.9	3.2	2.8	0.6	2.3	NA	2.5	3.3	3.2	2.8	2.4	2.6	
Nandirajhor	4	D/s Talcher (Priority-III)	Nandira D/s at Dasnali	1.4	1.5	1.7	0.9	0.8	NA	1.9	1.7	1.8	1.4	1.3	1.9	Yes Clean
Daya	5	Bhubaneswar to Bargarh (Priority-IV)	Bhubaneswar D/s at Kanti	4.5	3.6	3.4	2.2	3.8	3.9	4.7	3.9	3.4	3.6	2.5	3.4	No Priority-V
			Bhubaneswar FD/s at Manitri	4.2	3.3	2.6	1.7	3.5	3.2	3.3	2.9	2.6	2.8	1.7	2.2	
			Kanas	2.2	1.3	2.3	0.6	2.8	NA	1.6	2.9	1.8	2.2	1.7	1.9	
Kuakhai	6	Urali to Bhubaneswar (Priority-IV)	Bhubaneswar FU/s (at Mancheswar)	0.5	0.8	0.7	0.2	1.3	1.7	0.9	1.1	1.2	1.7	1.4	<1.0	Yes Clean
			Bhubaneswar U/s (at Hansapal)	0.6	1.2	0.7	0.2	1.5	1.8	1.1	1.3	1.4	1.9	1.6	<1.0	

NA : Not analysed NM : Not Monitored

River	Sl. No.	Polluted River stretch with Priority Category	Monitoring station	BOD (mg/l) during 2020												Whether latest water quality Conforming to Target level (3.0 mg/L) and Priority based on latest water quality
				Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	
Banguru nallah	7	Along Talcher Rengali (Priority-V)	Along Talcher	0.9	1.1	1.1	0.8	0.6	NA	1.6	1.6	1.3	1.0	<1.0	<1.0	Yes Clean
Bheden	8	Along Bheden (Priority-V)	Bheden	1.8	1.2	1.1	0.4	0.6	NA	1.1	1.2	1.1	1.0	1.1	1.6	Yes Clean
Brahmani	9	Rourkela to Biritola (Priority-V)	Panposh D/s at Deogaon	4.5	3.6	4.1	2.8	6.3	NA	4.9	5.4	3.9	3.6	6.0	5.5	No Priority-V
			Rourkela D/s at Jalda	3.6	3.2	3.8	2.1	3.9	NA	3.8	5.2	3.5	2.8	5.4	4.7	
			Rourkela FD/s at Attaghat	2.6	2.9	2.6	1.5	3.4	NA	2.8	3.6	2.7	1.6	4.0	4.0	
			Rourkela FD/s at Biritola	1.4	1.7	2.8	0.6	2.0	NA	2.6	3.2	1.8	1.4	2.3	2.2	
Budhabalanga	10	Mahulia to Baripada (Priority-V)	Baripada D/s	1.2	1.3	1.4	1.1	1.6	NA	1.3	1.9	1.6	1.2	1.6	1.2	Yes Clean
Kusumi	11	Along Angul Talcher (Priority-V)	Along Tangi	0.5	0.8	0.5	0.2	1.2	NA	1.6	2.0	NM	<1.0	1.5	1.9	Yes Clean
Mahanadi	12	Sambalpur to Paradeep (Priority-V)	Sambalpur D/s	1.1	2.7	1.7	1.4	1.0	NA	1.4	1.9	1.5	1.9	1.4	1.7	Yes Clean
			Sambalpur FD/s at Shankarmath	1.0	1.8	1.1	0.8	0.8	NA	1.2	1.3	1.3	1.5	1.4	1.6	
			Sambalpur FFD/s at Huma	1.0	1.5	0.9	0.5	0.6	NA	0.9	1.2	1.3	1.1	1.1	1.2	
			Sonepur U/s	0.4	1.0	0.5	0.4	0.7	NA	0.8	1.0	1.1	1.5	1.1	<1.0	
			Sonepur D/s	0.4	1.2	0.6	0.6	0.6	NA	0.9	1.1	1.2	1.9	1.4	1.6	

River	Sl. No.	Polluted River stretch with Priority Category	Monitoring station	BOD (mg/l) during 2020												Whether latest water quality Conforming to Target level (3.0 mg/L) and Priority based on latest water quality
				Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	
			Tikarpada	1.1	1.2	0.4	0.2	1.1	NA	1.4	1.6	1.1	1.1	1.0	<1.0	
			Narasinghpur	0.5	0.6	0.4	0.2	0.7	NA	1.2	1.7	1.2	<1.0	1.2	1.1	
			Munduli	0.9	0.9	0.3	0.2	0.8	NA	1.4	1.0	0.9	<1.0	1.1	<1.0	
			Cuttack U/s	0.9	1	0.5	0.2	0.9	NA	1.1	0.8	1.1	1.2	1.5	<1.0	
			Cuttack D/s	0.9	1.6	0.9	0.5	1.0	NA	1.3	1.2	1.3	1.4	2.6	1.5	
			Cuttack FD/s	0.5	1.2	0.8	0.3	0.6	NA	1.1	1.0	1.1	1.2	1.7	1.2	
			Paradeep U/s	0.3	0.6	1.3	0.2	0.4	NA	1.1	0.9	NA	1.0	1.1	<1.0	
			Paradeep D/s	0.3	1.9	2.4	0.5	0.6	NA	1.8	1.5	NA	1.1	1.6	1.5	
Mangala	13	Along Puri (Priority-V)	Mangala D/s at Golasahi	2.7	3.7	3.9	1.6	4.6	NA	2.4	1.3	1.7	1.5	2.8	2.6	Yes Clean
Nagavali	14	Jaykaypur to Rayagada (Priority-V)	Jayakaypur D/s	1.6	2.1	1.1	0.9	1.2	NA	NA	1.7	1.4	1.6	1.4	1.6	Yes Clean
			Rayagada D/s	0.9	1.4	0.9	0.5	1.1	NA	NA	1.3	<1.0	1.3	1.2	<1.0	
Nuna	15	Along Bijipur, Puri (Priority-V)	Bijipur	1.0	0.7	0.8	0.2	1.1	NA	1.0	1.6	1.3	1.4	1.2	1.8	Yes Clean
Ratnachira	16	Along Bhubaneswar, Puri (Priority-V)	Kumardihi	0.4	1.3	1.3	0.5	0.7	NA	1.7	1.1	1.8	1.7	1.4	1.3	Yes Clean
Rushikulya	17	Pratappur to Ganjam (Priority-V)	Madhopur	1.4	0.9	1.1	0.2	1.3	0.7	1.1	1.6	NA	1.1	1.2	1.6	Yes Clean
			Potagarh	1.9	0.6	0.8	0.1	1.5	0.5	2.1	1.3	NA	2.0	1.4	1.2	
Sabulia	18	Along Jagannathpatna, Rambha (Priority-V)	Jagannathpatna, Rambha	0.9	1.1	1.4	0.3	1.3	NA	1.5	1.7	NM	1.3	NM	1.9	Yes Clean
Serua	19	Khandaeta to Sankhatrasa (Priority-V)	Sankhatrasa	1.2	1.9	2.3	0.7	2.8	NA	3.8	2.8	2.9	2.7	2.5	1.1	Yes Clean

Water quality of Rivers in Odisha during December, 2020

Total River water quality Monitoring Station : 129

No. of stations conforming to Bathing Water quality : 115

(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	8.1	7.8	1.1	1100	230	NA	C
	2	Jharsuguda	8.3	7.6	1.8	490	78	NA	C
	3	BrajrajnagarU/S	8.1	8.2	1.5	330	45	NA	C
	4	BrajrajnagarD/S	8.1	8.0	1.7	1100	130	NA	C
Bheden	5	Jharsuguda	8.0	7.8	1.6	490	130	NA	C
Hirakud Reservoir	6	Hirakud	7.9	8.4	1.3	2400	230	NA	C
Mahanadi	7	Sambalpur U/S	8.2	8.0	1.1	490	170	NA	C
	8	Sambalpur D/S	8.5	8.4	1.7	1300	330	2	C
	9	Sambalpur FD/S at Shankarmath	8.0	8.0	1.6	2400	490	5	C
	10	Sambalpur FD/S at Huma	8.3	8.2	1.2	3500	490	<1.8	C
	11	Power Channel U/S	7.8	7.0	1.4	490	78	NA	C
	12	Power Channel D/S	7.9	7.2	1.5	1100	130	NA	C
	13	Sonepur U/S	8.2	8.0	<1.0	170	45	<1.8	C
	14	Sonepur D/S	8.1	8.2	1.6	460	130	<1.8	C
	15	Tikarpada	8.3	10.4	<1.0	220	45	<1.8	C
	16	Narasinghpur	8.2	8.8	1.1	1300	490	<1.8	C
	17	Munduli	7.8	8.8	<1.0	2200	790	<1.8	C
	18	Cuttack U/s	7.9	8.8	<1.0	2400	790	<1.8	C
	19	Cuttack D/s	7.7	8.4	1.5	4600	1700	5	C
	20	Cuttack FD/s	7.7	8.4	1.2	3300	1300	5	C
21	Paradeep U/S	7.8	7.6	<1.0	790	330	14	C	
22	Paradeep D/S	7.8	7.0	1.5	1400	700	22	C	
Ong	23	Dharuakhaman	8.1	7.8	1.3	130	<1.8	<1.8	C
Tel	24	Monmunda	8.1	8.0	1.9	78	<1.8	<1.8	C
Kathajodi	25	Cuttack U/s	7.9	8.6	1.2	1100	330	4	C
	26	Cuttack D/s	8.2	8.0	2.8	4900	2200	9	C
	27	Cuttack FD/s at Mattagajpur	7.9	7.6	2.6	3400	1300	5	C
	28	Cuttack FFD/s at Kamasasan	8.1	7.2	1.3	1100	230	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	8.5	8.6	1.1	7900	2200	NA	NC
Kuakhai	30	Bhubaneswar FU/s	7.6	9.7	<1.0	2400	790	4	C
	31	Bhubaneswar U/s	7.1	7.4	<1.0	3500	790	5	C
Daya	32	Gelapur	8.3	8.7	1.1	2400	490	5	C
	33	Bhubaneswar D/s	7.2	4.2	3.4	35000	13000	79	NC
	34	BhubaneswarFD/s	7.4	7.9	2.2	22000	7900	54	NC
	35	Kanas	7.7	7.3	1.9	17000	7000	79	NC
Birupa	36	Choudwar	8.2	8.4	<1.0	1400	330	NA	C
Gangua nallah	37	Rajdhani Engineering College	7.1	3.2	6.5	160000	92000	240	NC
	38	Palasuni	6.9	2.0	8.5	160000	160000	240	NC
	39	Samantarapur	6.8	0.7	9.5	160000	160000	350	NC
	40	Vadimula	6.9	3.2	4.4	28000	14000	92	NC
Kushabhadra	41	Bhingarpur	8.2	11.3	1.5	14000	4900	49	C
	42	Nimapara	7.7	7.3	1.9	11000	3300	NA	C
	43	Gop	7.4	7.1	1.7	13000	3300	NA	NC
Gobari	44	Kendrapada U/s	7.6	6.4	1.0	2800	1100	NA	C
	45	Kendrapada D/s	7.4	6.0	1.3	4700	2200	NA	C
Mangala	46	Mangala U/s at Malatipatpur	7.1	6.2	1.7	3500	490	NA	C
	47	Mangala D/s at Golasahi	7.8	15.7	2.6	3500	1100	<1.8	C
Bhargavi	48	Chandanpur	7.8	7.7	1.1	1700	490	NA	C
Devi	49	Machhagaon	7.6	7.0	<1.0	790	490	NA	C
Luna	50	Luna at Bijipur	7.4	7.5	1.8	22000	7900	79	NC
Sabulia	51	Rambha, Jagatnathpatna	8.2	10.6	1.9	4900	2300	79	C
Kusumi	52	Tangi	7.6	7.2	1.9	3500	1700	70	C
Kansari	53	Banapur	7.8	6.9	1.4	1300	490	NA	C
Badasankha	54	Langalaeswar	7.4	6.9	1.3	3500	2200	NA	C
Ratnachira	55	Kumardihi	7.7	6.8	1.3	1100	490	2	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)			6.5-8.5	5.0	3.0	-	500 (D) 2500 (P)	100 (D) 500 (P)	-

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	7.9	6.8	<1.0	1700	490	<1.8	C
	2	Panposh D/S	8.2	4.8	5.5	4000	1700	13	NC
	3	Rourkela D/S at Jalda	7.9	5.1	4.7	3400	1300	11	NC
	4	Rourkela FD/s at Attaghat	7.8	5.8	4.0	130	20	<1.8	NC
	5	Rourkela FFD/s at Biritola	7.9	7.2	2.2	230	20	<1.8	C
	6	Bonaigarh	8.4	8.2	1.2	140	20	NA	C
	7	Rengali	8.4	8.0	1.0	330	45	NA	C
	8	Samal	8.3	8.6	1.2	1100	230	NA	C
	9	Talcher FU/S	8.2	8.0	<1.0	700	170	<1.8	C
	10	Talcher U/s	8.2	8.4	<1.0	1100	220	<1.8	C
	11	Mandapal	7.9	8.2	1.2	3300	1300	NA	C
	12	Talcher D/S	8.1	7.2	1.6	1300	490	<1.8	C
	13	Talcher FD/S	7.8	8.8	1.4	940	330	<1.8	C
	14	Dhenkanal U/s	8.0	9.4	1.0	1300	170	<1.8	C
	15	Dhenkanal D/s	8.5	10.8	1.9	1700	220	<1.8	C
	16	Bhuban	8.2	8.6	1.2	790	130	<1.8	C
	17	Kabatabandha	7.9	7.6	1.1	1300	130	NA	C
	18	Dharmasala U/s	8.2	7.4	1.2	2200	230	NA	C
	19	Dharmasala D/s	8.0	8.2	2.4	490	130	NA	C
	20	Pottamundai	8.2	7.6	<1.0	330	78	NA	C
Kharasrota	21	Khanditara	7.9	7.6	1.8	1300	170	NA	C
	22	Binjharpur	7.7	7.5	1.9	1400	170	NA	C
	23	Ali	7.4	7.0	1.1	790	170	NA	C
Nandira jhor	24	Nandira U/s	7.9	7.8	<1.0	330	45	NA	C
	25	Nandira D/s	8	7.4	1.0	220	78	NA	C
Kisindajhor	26	Kisindajhor	7.5	6.6	1.4	330	130	NA	C
Sankh	27	Sankh U/s	7.9	8.6	<1.0	940	130	NA	C
Koel	28	Koel U/s	8.1	8.4	<1.0	790	110	NA	C
Guradih nallah	28	Rourkela (before confluence with Brahmani river)	7.8	3.6	10	35000	17000	130	NC
Badajhor	30	Badajhor	8	8.4	<1.0	2400	790	NA	C
Damsala	31	Dayanabil	7.7	7.3	1.2	2200	330	NA	C
Gondanallah	32	Marthapur	7.7	7.0	<1.0	490	130	NA	C
Karo	33	Barbil	7.1	7.3	<1.0	490	110	NA	C
Lingra	34	Lingira U/s	8.2	9.4	1.7	1100	220	NA	C
	35	Lingira D/s	8.4	8.4	1.9	3500	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	8.0	8.8	<1.0	1100	330	NA	C
Bangurunallah	37	Bangurunallah	6.9	8.6	<1.0	1700	330	14	C
Singadajhor	38	Singadajhor	8.2	9.6	1.1	2200	790	NA	C
Tikira	39	Kaniha U/s	8.2	6.4	<1.0	1300	230	NA	C
	40	Kaniha D/s	8.0	7.4	1.6	1700	490	NA	C
Bangurusingadajhor	41	Bangurusingadajhor	8.0	8.4	2.3	490	130	NA	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 (D) 2500 (P)	100 (D) 500 (P)	-

(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	7.1	6.9	1.1	2200	1300	NA	C
Kusei	2	Deogaon	7.6	8.0	<1.0	1700	490	NA	C
Baitarani	3	Naigarh	7.2	7.1	<1.0	140	78	NA	C
	4	Unchabali	7.2	7.4	<1.0	330	78	NA	C
	5	Champua	7.3	7.2	<1.0	490	170	NA	C
	6	Tribindha	7.5	7.0	<1.0	230	130	NA	C
	7	Joda	7.6	7.1	<1.0	330	130	NA	C
	8	Anandpur	7.5	8.3	1.2	1400	330	NA	C
	9	Jajpur	8.0	7.1	1.0	940	230	NA	C
	10	Chandbali U/s	7.5	7.2	1.0	330	130	NA	C
	11	Chandbali D/s	7.7	7.6	1.4	1100	330	NA	C
Dhamra	12	Dhamra	7.7	7.6	1.6	490	130	NA	C
Salandi	13	Bhadrak U/s	8.0	8.8	<1.0	1300	490	NA	C
	14	Bhadrak D/s	8.5	9.6	1.0	1700	700	NA	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 (D) 2500 (P)	100 (D) 500 (P)	-

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	7.3	8.0	<1.0	2800	1300	NA	C
Badanadi	2	Aska	8.2	6.8	<1.0	1300	220	NA	C
Rushikulya	3	Aska	7.7	7.4	<1.0	2400	490	NA	C
	4	Nalabanta	8.3	8.0	<1.0	3300	1300	NA	C
	5	Madhopur	8.2	7.2	1.6	1300	460	11	C
	6	Potagarh	8.2	6.0	1.2	490	130	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 (D) 2500 (P)	100 (D) 500 (P)	-

(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	8.4	1.1	1300	220	NA	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 (D) 2500 (P)	100 (D) 500 (P)	-

(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	8.0	8.8	1.2	1700	490	8	C
	2	Balasore U/s	8.0	8.4	<1.0	1100	220	NA	C
	3	Balasore D/s	7.9	7.6	1.5	2800	790	NA	C
	4	Hatiagond (Sona)	7.8	7.2	<1.0	1700	230	NA	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 (D) 2500 (P)	100 (D) 500 (P)	-

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	8.4	7.0	<1.0	2400	490	NA	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 (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	8	6.6	<1.0	230	20	NA	C
	2	Jayjkaypur D/s	7.9	6.7	1.6	130	20	<1.8	C
	3	Rayagada D/s	8.1	7.2	<1.0	78	20	<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	8.2	6.7	<1.0	170	45	NA	C
	2	Gunupur	8.0	6.5	<1.0	220	20	NA	C

NA. : Not analysed

D : Desirable P : Permissible

(J) Kolab 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))
Kerandi	1	Sunabeda	7.9	7.3	1.4	110	20	NA	C

(K) Indravati 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))
Indravati	1	Nawarangpur	7.9	7.4	1.1	340	78	NA	C

**FORMAT FOR STATE WISE REVIEW OF COMPLIANCE TO HON'BLE
NGT DIRECTION FOR CONTROL OF RIVER POLLUTION
(HON'BLE NGT O.A. NO.606/2018)**

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 128th 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

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 ponds)	2019-20	179Nos.(Completed)
	2020-21	65 nos. taken up in 11 districts, out of which 15 Nos. completed and the remaining 50 numbers are in progress.
ii) Through Check dams	upto 03/2020	15604 nos. in 30 districts(Completed since inception of the scheme in 2010-11)
		Upto 12/2020, 15755 numbers 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 & Environment Department. 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 banks of river stretches with the help of F & E Department.

G. Removal of 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.


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 – December - 2020

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 10 years interval.	4	5	6
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 st July to 15 th Nov), and Rabi crop (1 st week of January to 15 th 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 2019-2020	RRHS of 131 nos in sGovt. Buildings & 4942 nos. in Private Buildings completed in Bhubaneswar. Nil	Bhubaneswar 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
XVII Demarcation of Flood Plain & removal of illegal encroachments:	Proposal for construction of a cross regulator at the off taking point of Gangual 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 th TAC of DoWR has approved the construction of cross regulator.	2020-21 (up to December-2020)	536 nos. of Check Dams completed up to December-2020 in Khurdha Dist.	Provision for Rs. 67 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 Khurdha Dist. 9 nos	Provision for Rs. 37 crores has been kept for the year 2020-21	
	Construction of Check Dam.	2019-20	534 nos. of Check Dams completed up to March 2020 in Khurdha Dist.	In Khurdha Dist. In Khurdha Dist.	
			Programmed 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
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 December-2020.		
XIX	Plantation activities along the river:	4900 seeding has been sown along the drainage canals by Khurdha 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.	1979 Nos. of plants are alive.	
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 – December - 2020

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

1 SL NO.	2 Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	3 Proposed Achievable Target	4 Proposed Time Targets for compliance	5 Present Status or pendency in terms of %age	6 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 10 years 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 st July to 15 th Nov), and Rabi crop (1 st week of January to 15 th 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
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 25/11/2021
 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 – December - 2020**

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

1 SL NO.	2 Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	3 Proposed Achievable Target	4 Proposed Time Targets for compliance	5 Present Status or pendency in terms of %age	6 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 10 years 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	RRHS of 7 nos in Govt. Buildings & 76 nos. in Private Buildings completed	Rourkela town
		Ground Water Recharge through construction of Recharge shaft in tanks and ponds	2019-20	12 nos in Govt. buildings and 160 nos in private buildings will be constructed in Sundergarh Dist	Provision for Rs. 37 crores has been kept for the year 2020-21
		Construction of Check Dam.	2019-20 2020-21 (Provision)	4 nos 5 nos	In Sundergarh Dist.
			2019-20	742 nos. of Check Dams completed up to March 2020 in Sundergarh Dist.	In Sundergarh Dist.
			2020-21 (up to December-2020)	742 nos. of Check Dams completed up to December-2020 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.	During lean period from Nov to May.	Maintained	
XIX	Plantation activities along the river:	Integrated watershed management programme is executed through out the state by Odisha Watershed Development Mission. 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
 25/11/2021



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 – December - 2020

4. Name of the Polluted River Stretch :- Gurudih 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 10 years interval.	2014-15 to 2018-19	RRHS of 7 nos in Govt. Buildings & 76 nos. in Private Buildings completed Nil	Rourkela town
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.	2019-2020		

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.	2020-21 (up to December -2020)	742 nos. of Check Dams completed up to December-2020 in Sunderagrth 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	
		Ground Water Recharge through construction of Recharge shaft in tanks and ponds Construction of Check Dam.	2019-20 2020-21(Provision)	12 nos in Govt. buildings and 160 nos in private buildings will be constructed in Sunderagrth Dist. 4 nos 5 nos. 742 nos. of Check Dams completed up to March 2020 in Sunderagrth Dist.	Provision for Rs. 37 crores has been kept for the year 2020-21 In Sunderagrth Dist. In Sunderagrth 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
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.
 11/11/2021

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 – December - 2020

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

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 10 years interval.			
XV	Good Irrigation Practices being adopted by the state:				

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
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 34 nos in Govt. Buildings & 529 nos. in Private Buildings completed	Puri town
		Ground Water Recharge through construction of Recharge shaft in tanks and ponds	2019-20	12 nos in Govt. buildings and 160 nos in private buildings will be constructed in Puri Dist.	Provision for Rs. 37 crores has been kept for the year 2020-21
		Construction of Check Dam.	2020-21	Nil	In Puri Dist.
			2019-20	05 nos	In Puri Dist.
			2020-2021 (provision)	118 nos. of Check Dams completed up to March 2020 in Puri Dist.	
			2019-20	141 nos. of Check Dams completed up to December-2020 in Puri Dist.	
			2020-21 (up to December -2020)		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. E-flow maintained.			
XVIII	Maintaining minimum e-flows of river:	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 Itr. 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 Itr. 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
 BP&CC
 25/1/2024

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 – December - 2020

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

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 10 years 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
XVI	Rainwater harvesting	Construction of Rooftop Rainwater Harvesting Structure (RRHS) in Govt. and Private Building in towns of Odisha.	2019-2020	Nil	Provision for Rs. 37 crores has been kept for the year 2020-21
			2020-21	Nil (Programmed) in Rayagada Dist.	
		Ground Water Recharge through construction of Recharge shaft in tanks and ponds Construction of Check Dam.	2019-20	Nil	In Ryagada Dist.
			2020-21 (Provision)	Nil (Programmed)	
			2019-20	833 nos of Check Dams completed up to March-2020 in Rayagada 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 December 2020)	833 nos of Check Dams completed up to December -2020 in Rayagada 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 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
 28/11/2021

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 – December - 2020

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

1 Sl NO.	2 Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	3 Proposed Achievable Target	4 Proposed Time Targets for compliance	5 Present Status or pendency in terms of %age	6 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 10 years interval.			
XV	Good Irrigation Practices being adopted by the state:	Rotational water supply in Kakapur Branch Canal system recharges the ground water as well as river or drain.	In every year, during Kharif crop (1 st July to 15 th Nov), and Rabi crop (1 st week of January to 15 th 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 07 nos in Govt. Buildings & 123 nos. in Private Buildings completed Nil	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.	In Cuttack Dist. In Cuttack 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 December -2020)	701 nos. of Check Dams completed up to December-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
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:	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
 BP&CC
 25/1/2021

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 – December - 2020

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

1 Sl NO.	2 Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	3 Proposed Achievable Target	4 Proposed Time Targets for compliance	5 Present Status or pendency in terms of %age	6 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 10 years interval.			
XV	Good Irrigation Practices being adopted by the state:	Rotational water supply in Sakhigopal Branch Canal, Puri Main Canal & Gohardhampur Barrage recharges the ground water as well as river or drain.	In every year, during Kharif crop (1 st July to 15 th Nov), and Rabi crop (1 st week of January to 15 th of May).	Rotational supply water 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
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
 BP&CC
 25/11/2020



Orissa Water Supply & Sewerage Board

(A Govt. of Odisha Undertaking)

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

No. 5484 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 OWSSB

Date. 29.12.2020

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 OWSSB

Date. 29.12.2020

Member Secretary

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

Encl: As above

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.	-	-	-	-

No. 694 Date 27/7/2020

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REIVED



Orissa Water Supply & Sewerage Board

(A Govt. of Odisha Undertaking)

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

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

ES(URP)
N. Kollaito
19/7

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,

Encl: As above.

Member Secretary, 21/07/20

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.

Encl: As above.

Member Secretary, 21/07/20

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.

Member Secretary, 21/07/20

Memo No. 3300 /OWSSB Date. 22 07 2020

Copy forwarded the Project Director, PMC, OWSSB, Cuttack for information and necessary action.

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
Total		249	127

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%
Total			202	249	81%

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"> • Garland drain and provision of settling pond/ mine sump for surface runoff management • Effluent Treatment Plant for mine drainage water • Sewage Treatment Plant for domestic effluent • Oil and Grease Trap for treatment of workshop effluent • Concurrent back filling of mined out voids using internal burden and followed by biological reclamation 	<ul style="list-style-type: none"> • Deployment of surface miner with inbuilt dust suppression system replacing Blasting and Dumper –Shovel combination method of mining.. • Wet drilling and controlled blasting of over burden(OB) to minimize dust generation • Water sprinkling system at various dust generating sources to control fugitive dust emission • Black topping and proper maintenance of permanent coal transportation roads to reduce fugitive dust generation • Avoiding creation of ruts and pot holes on haul roads of mine to minimize generation of fugitive dust • Plantation

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

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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

Grievance till
Date: 0

Pending till
Date: 0

Disposed till
Date: 0

* Date From (DD/MM/YYYY)

* Date To (DD/MM/YYYY)

SEARCH