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

5803

Ind. VI-2824 (Pt. VII)/20-21

Dt. 06.04.2021

To

Dr. D. P. Mathuria, Executive Director,
National Mission for Clean Ganga,
Department of 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 February 2021 related to Control of River Pollution – Reg.

Ref : Email dtd. 08.10.2020

Sir,

In inviting reference to above subject, the Monthly Progress Report for the month of February, 2021 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.

Yours faithfully,

Encl : As above

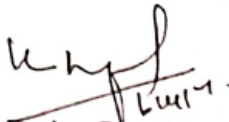

Member Secretary

Memo No. 5804

Dt. 06.04.21

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

Encl : As above

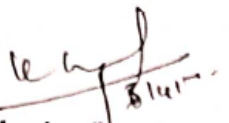

Member Secretary

Memo No. 5805

Dt. 06.04.21

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

Encl : As above


Member Secretary

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

For the State of ODISHA for the month of February, 2021

Overall status of the State:

I. Total Population: Urban Population & Rural Population separately

As per **Census 2011**,

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

II. Estimated Sewage Generation (MLD):

Sewage generation in the State :	298.55 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): 10 Nos : 266.50 MLD
- Capacity Utilization of existing STPs: 88.52 MLD
- MLD of sewage being treated through Alternate technology: 567 (0.567 MLD)

(At present 567 KLD (0.567 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: 104 MLD
- No. of Operational STPs: 10 STPs
- No. of Complying STPs: 10 STPs
- No. of Non-complying STPs: 0 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
	Cuttack				
1	CDA-Bidanasi area	36 MLD	18.52 MLD	O & M by OISIP, JICA, Cuttack	Complying
2	Mattagajpur	33 MLD	33 MLD	O & M by PHEO	Complying
	Puri				
3	Mangalaghat	15 MLD	11 MLD	O & M by PHEO	Complying
4	Bankimuhan	5 MLD	5 MLD		Not-

					Complying
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No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	Talcher				
5	Mandapal	2 MLD	2 MLD	O & M by PHEO	Not-Complying
	Bhubaneswar				
6	Meherpalli	56 MLD	6 MLD	O & M by WATCO	
7	Basuaghai	28 MLD	5 MLD		
8	Kochilaput	43.5 MLD	4 MLD		
9	Paikarapur	8 MLD	4 MLD		
	Rourkela				
10	Ruptala Balughat	40 MLD	Trial run Under Progress		
Total : 10 STPs		266.50 MLD	88.52 MLD		

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	0% (0/80,582 Nos.)	December, 2021
2	Mattagajpur, Cuttack	16 MLD	78.10 % completed	-	March, 2021
3	CDA-Bidanasi area, Cuttack	36 MLD	Operating	90.18 % (13528/15000 Nos.)	March, 2021
3	Meherpalli, Bhubaneswar	56 MLD	Commissi oned	29.17% (17967/61,584 Nos)	December, 2021
4	Basuaghai, Bhubaneswar	28 MLD		43.84% (13500/ 30,792 Nos)	
5	Kochilaput, Bhubaneswar	43.5 MLD		17.76% (8500/47837 Nos)	
6	Paikarapur, Bhubaneswar	8 MLD		31.6% (2786/ 8797 Nos)	
7	Rokat, Bhubaneswar	48 MLD	67.20% completed	0 % ((0/52756 Nos.)	June, 2021
8	Ruptala	40 MLD	Commissi	0.12 % (84/ 66029)	June, 2021

Balughat, Rourkela		oned		
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Details of proposed STPs in the State

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

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

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

Details of Non-complying STPs During February, 2021

Sl. No.	Station Name				
		pH	BOD, mg/l	TSS, mg/l	FC (MPN/100ml)
1	Outlet of STP, Talcher at Mandapal (2 MLD)	7.3	11.0	23.0	>1,60,000
2	Outlet of STP, Bankimuhan at Puri (5 MLD)	7.2	85.0	88.0	>1,60,000
Concerned ULBs have been directed to take necessary steps at the earliest to bring outlet quality within the prescribed norm for Sewage Treatment Plants.					

IV. Details of Industrial Pollution:

- Total Number of Industries : 7300
- No. of water polluting industries in the State: 1228
- Quantity of effluent generated from the industries in MLD: 803.18 MLD
(For treatment)
- Quantity of Hazardous Sludge generated from the Industries in TPD:141.9 TPD
- Number of industrial units having ETPs: 1199
- 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 : 1199 Numbers, 1025 MLD
Under Construction : Nil
Proposed : Nil
Total : 1199 Numbers, 1025 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 151

numbers of Industries have been inspected for compliance status during February, 2021. Out of these 121 ETPs comply to the discharge norms.

Wherever violation is observed, show cause notices are being issued to the industries. Closure direction has been issued to 29 number of units for operating without ETPs. Show Cause Notice Issued to 25 number of Industries for non-compliance of ETPs and Action to be taken for two number of industries are 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 : 1809 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)	165	793	71 %
Materials Recovery Facility (MRF)	140	583	74 %

- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)
- ✓ Waste generation has come down because of the pandemic COVID-19 due to which quantity of waste reaching the decentralized compost plants has come down. This resulted in reduced utilization of compost plant. As the spread of pandemic comes down, the waste generation will increase, resulting increase in plant utilization.
- ✓ Compost plants are designed for a higher capacity considering population forecast. Therefore, presently the compost plants will run at lesser capacity.

- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)

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

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

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

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

- **MSW processing facilities Proposed:**

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

- MSW processing facilities Functional :

- Composting Facility- Number of Functional Micro Composting Center (MCC) : 165 Nos.(Capacity : 793 TPD)
 - Number of Functional Material Recovery Facilities (MRF) : 140 Nos.. (Capacity: 583 TPD)

- MSW processing facilities Under Construction:

- Composting Facility - Micro Composting Centres (MCC): 65 Nos. (Capacity : 325 TPD)
 - Material Recovery Facilities (MRF): 28 Nos. (Capacity: 140 TPD)

- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.

- Garbage dumpsites: 9 numbers (170 Acre approx.)
 - Sanitary Landfill: Nil

- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers : Nil

- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers

- No. of drains reaching to River System, lakes, Water Bodies, Pond, Marsh Land, Water Lands: 225

- Drains having floating racks/screens installed: 225

Status of ULB wise Management of Solid Waste

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

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

VI. Bio-medical Waste Management:

- Total Bio-medical generation: 17993.14 Kg/Day (As per Annual Report, 2019 sent to CPCB)
- No. of Hospitals and Health Care Facilities: 3600
During December,
- Status of Treatment Facility/ CBMWTF: --

Bio-medical wastes generating from the health care establishments are being managed either through common biomedical waste treatment and Disposal (CBWTFDF) facilities or by deep-burial practice.

1. M/s. Sani Clean Pvt. Limited, Tangiapada, Dist: Khurda
2. M/s. Mediaid Marketing Services, Amasranga, Dist: Sundargarh
3. M/s. Mediaid Marketing Services, Seragada, Dist: Ganjam
4. M/s. MediAid Marketing Services, (SCB Medical College and Hospital, Cuttack)
5. M/s. Bio-Tech Solution, Berhampur (VSS Medical College and Hospital, Burla, Sambalpur)
6. Mis. Life Line Pharma, (MKCG MCH) Berhampur, Ganjam

VII. Hazardous Waste Management:

- Total Hazardous Waste generation: 6,79,849 T Tonne/Annum
(Monthwise data is not available. Monthwise generation of Hazardous waste are not submitted by the hazardous waste generator. However, as per the hazardous and other waste (Management and Transboundary Movement) Rules, 2016, All the occupiers of hazardous units are required to submit annual return by 13th June, for the preceeding financial year.)
- No. of Industries generating Hazardous waste : 382 (Upto February, 2021)
- 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 : 4733 Tonne During February, 2021.

- 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: 108 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 567 KLD (0.567 MLD) septage is being treated through Septage Treatment Plants in 11 ULBs of the State. It is targeted to construct 107 SeTPs during the year 2021-22 for the treatment of 1.565 MLD (1565 KLD) septage to cover all 114 ULBs.

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

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

Enclosed as Annexure-5.

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

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

XIV. Ground water regulation:

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

XV. Good irrigation practices being adopted by the State:

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

XVI. Rain Water Harvesting:**Rooftop Rainwater-harvesting Structures (RRHS)**

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

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

XVII. 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 45 Nos. completed and the remaining 20 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 02/2021	15803 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-6)

(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-7)

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-8)

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

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

Priority-I: Nil,

Priority-II: Nil,

Priority-III: One,

Priority-IV: Two,

Priority-V: Four;

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

As per the information received from Odisha Water Supply and Sewerage Board, Cuttack stretch on Kathajodi river has been considered under " at least one polluted

river stretch in each category is restored". Action taken by Odisha Government for restoration of the polluted river stretch of river Kathajodi is enclosed as Annexure-10.

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

XXIII. Status of Preparation of Action Plan by the 13 Coastal States: Forest and Environment Department, Govt of Odisha has submitted the action plans for coastal stretch along Puri, Gopalpur and Paradeep and of Atharabanki Creek in the State of Odisha.

(Information received from Forest and Environment Department has been attached as Annexure-10)

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

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

Closure direction has been issued to 29 number of units for operating without ETPs. During February, 2021, Show Cause Notice have been Issued to 25 number of Industries for non-compliance of ETPs and Action to be taken for two numbers of industries are 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 08.01.2021, there is no grievance for the state of Odisha. Extract of the Grievance report for the period 01.02.2021 to 28.02.2021 downloaded from the portal is given as Annexure-12.



Orissa Water Supply & Sewerage Board

(A Govt. of Odisha Undertaking)

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

No. 794 (WB) dt. 26.2.2021
 W-02/2021

To

The Additional Secretary to Govt. and
 State Mission Director (AMRUT), H &UD Deptt.,
 Odisha, Bhubaneswar

Sub.: Furnishing progress report for the month of February, 2021 in connection with compliances to various orders & directions passed by the Hon'ble NGT in OA No. 673/2018, OA No.606/2018 & OA No. 593/2017.

Sir,

With reference to the above, the progress report in connection with compliances to various orders & directions passed by the Hon'ble NGT in OA No. 673/2018, OA No.606/2018 & OA No. 593/2017 for the month of February, 2021 are furnished herewith for kind information and necessary action.

Yours faithfully,

Encl.: As above.


 Member Secretary

Memo No. 795 (WB) dt. 26.2.2021

Copy with copy of enclosure forwarded to the Director Env.-cum-Special Secretary to Govt., F&E Deptt., Odisha for information and necessary action with reference to letter No.3018 dt. 10.02.2021.

Encl.: As above.


 Member Secretary

Memo No. 796 (WB) dt. 26.2.2021

Copy with copy of enclosure forwarded to the Member Secretary, State Pollution Control Board/ Engineer-in-Chief, OISIP, JICA, Cuttack, Chief Engineer, OWSSB, Sambalpur/ Managing Director, WATCO, Bhubaneswar for information and necessary action

Encl.: As above.


 Member Secretary

National Mission for Clean Ganga

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

For the State of Odisha

Overall status of the State:

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

Rural Population separately : N.A.

II **Estimated Sewage Generation (MLD): 298.55**

i.	Bhubaneswar	108.97
ii	Cuttack	79.08
iii	Sambalpur	43.51
iv	Rourkela	35.65
v.	Puri	20.05
vi	Talcher	5.29
	Total	298.55

III. **Details of Sewage Treatment Plant**

(a) Existing No. of STPs and Treatment Capacity (in MLD): 10 (266.50)

(b) Capacity Utilization of Existing STPs: 88.52 MLD

(c) MLD of Sewage being treated through alternative technology: At present 567 KLD
(0.567 MLD) septage is being treated

(d) Gap in Treatment Capacity in MLD: 104

(e) No. of Operational STPs: 10

(f) No. of Complying STPs: 10

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

Details of each existing STP in the State

Sl. No.	No. of STPs	Location	Existing STP Capacity (in MLD)	Capacity Being Utilized (In MLD)	Operational Status of STP	Compliance Status of STP
1		Bhubaneswar				
	1	Meherpali	56	6	O&M by WATCO	
	1	Basuaghai	28	5		
	1	Kochilaput	43.50	4		
	1	Paikarapur	8	4		

2		Cuttack			Running smoothly	O&M by PHEO
	1	Matgajpur	33	33	O&M by PHEO	
	1	CDA	36	18.52	O&M by OISIP, JICA, Cuttack	-
3		Puri			O&M by PHEO	-
	1	Mangalaghat	15	11		
	1	Bankimuhan,	5	5		
4	1	Talcher, Mandapal	2	2	-do-	-
5	1	Rourkela	40	-	Trail running progress.	
		Total	266.50	88.52		

Details of under construction STPs in the State

Sl. No.	No. of STPs	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	0% (0/52756 Nos)	June 2021
		Meherpalli	56	Commissioned	29.17% (17967/61,584 Nos)	December 2021
		Basuaghai	28		43.84% (13500/30,792 Nos)	
		Kochilaput	43.5		17.76% (8500/47837 Nos)	
		Paikarapur	8		31.6% (2786/8797 nos)	
2		Cuttack				
	1	Matgajpur	16	78.10	-	
		CDA	36		90.18 % (13528/15000 nos.)	March,2021
3	1	Sambalpur	40	93	0% (0/80,582 Nos)	December 2021
4	1	Rourkela	40	Commissioned	0.12% (84/66029 nos.)	June 2021

Details of proposed STPs in the State

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

IV Details of Industrial Pollution: Not relates to OWSSB

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

- Number of industrial units connected to CETP: Nil
- 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				

II. Solid Waste Management: Not relates to OWSSB

- Total number of Urban Local Bodies and their Population : Nil
- Current Municipal Solid Waste Generation : Nil
- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc. : Nil
- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%). : Nil
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction) : Nil
- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source : Nil
- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology) : Nil

- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills. : Nil
- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers : Nil
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers : Nil

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		

III. 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

IV. 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

V. Plastic Waste Management: Not relates to OWSB

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

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

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

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

- IX. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT: Nil
- X. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river; Nil
- XI. Ground water regulation: Nil
- XII. Good irrigation practices being adopted by the State: Nil
- XIII. Rain Water Harvesting: Nil
- XIV. Demarcation of Floodplain and removal of illegal encroachments: Nil
- XV. Maintaining minimum e-flow of river: Nil
- XVI. Plantation activities along the rivers: Nil
- XVII. Development of biodiversity park: Nil
- XVIII. Reuse of Treated Water: Nil
- XIX. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards: Nil
- XX. Status of Preparation of Action Plan by the 13 Coastal States: Nil
- XXI. Regulation of Mining Activities in the State/UT: Nil
- XXII. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring : Nil

Tel -0674-2392104/2390147

e-mail : sanitationhud@gmail.com

Website: www.urbanodisha.gov.in



Government of Odisha

Housing & Urban Development Department

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

File No.: HUD-SANT-CASEOP-0003-2020 Letter No.: 56³¹/HUD. Date: 09/03/2021

From

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

To

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

Sub: Submission of Monthly Progress Report for February,2021 in prescribed format in compliance with Order Dated 06.12.2019 of the Hon'ble NGT passed in O.A. No. 673/2018

Ref : Your Letter No. 10262 Dated 19.10.2020

Sir,

I am directed to send herewith Monthly Progress Report [MPR] for the month of February, 2021 in the prescribed format 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,

09.03.2021

Additional Secretary to Government &
Additional Mission Director, SBM (Urban)

Memo No. 5632 Date: 09/03/2021

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

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

rcel
09-03-2021
Additional Secretary to Government &
Additional Mission Director, SBM (Urban)

V. Solid Waste Management:

- Total number of Urban Local Bodies and their Population
- Total number of Urban Local Bodies:114
- Population: 60,35,851(as per 2011 census)
- Current Municipal Solid Waste Generation: 1,809 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)	165	793	71%
Materials Recovery Facility (MRF)	140	583	74%

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

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

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

MSW processing facilities Proposed:

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

MSW processing facilities Functional:

- ✓ Composting Facility - Number of Functional Micro Composting Center (MCC): 165 Nos. (Capacity: 793 TPD)
- ✓ Number of Functional Material Recovery Facilities (MRF): 140 Nos. (Capacity: 583 TPD)

MSW processing facilities Under Construction:

- ✓ Composting Facility - Micro Composting Centers (MCC): 65 Nos. (Capacity:325 TPD)
- ✓ Material Recovery Facilities (MRF): 28 Nos. (Capacity: 140 TPD)
- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.
 - ✓ Garbage dumpsites: 9 numbers (170 Acre approx.)
 - ✓ Sanitary Landfill: Nil
- No. and area (in acres) of legacy waste within 1 km buffer of both side of the rivers: Nil
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers:
 - ✓ No. of drains reaching to River System, lakes, Water Bodies, Pond, Marsh Land, Water Lands: 225
 - ✓ Drains having floating racks/screens installed: 225

Status of ULB wise Management of Solid Waste

Sl. No.	ULB Name	Total MSW Generation in TPD		Total MSW being processed in TPD		Capacity of Existing MSW facilities in TPD		Utilization Capacity of the existing MSW facilities		Proposed MSW Facilities		Completion Timeline
		Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	
1	Anandpur (M)	4.59	4.41	4.59	4.41	10	10	46%	44%	0	0	
2	Angul (M)	6.18	5.82	6.18	5.82	12	7	52%	83%	0	1	31-03-2021
3	Asika (NAC)	3.7	3.6	3.7	3.6	10	5	37%	72%	0	0	
4	Athagad (NAC)	2.1	2	1	2	1	2	100%	100%	2	0	31-03-2021
5	Athmallik (NAC)	1.7	1.5	1.7	0	5	0	34%	0%	0	1	31-03-2021
6	Attabira NAC	2.2	2	2	2	2	2	100%	100%	1	0	31-03-2021
7	Balangir (M)	15.7	10.5	5	5	5	5	100%	100%	2	0	31-03-2021
8	Balasore (M)	14	12	5	5	5	5	100%	100%	5	1	31-03-2021
9	Balimela (NAC)	1.4	1.3	1.4	1.3	4	5	35%	26%	0	0	
10	Balliguda NAC	2.2	2	2	2	2	2	100%	100%	0	0	
11	Balugaon (NAC)	2.1	2	2.1	2	3	3	70%	67%	0	0	
12	Banki (NAC)	2.2	1.9	2	1.9	2	2	100%	95%	1	0	31-03-2021
13	Banpur (NAC)	2	1.9	0	0	0	0	0%	0%	0	0	
14	Barbil (M)	7.8	7.2	7.8	7.2	10	10	78%	72%	1	0	31-03-2021
15	Bargarh (M)	12	10	5	1	5	1	100%	100%	2	1	31-03-2021
16	Baripada (M)	13	12	13	10	15	10	87%	100%	3	0	31-03-2021
17	Barpali (NAC)	3.7	3.4	3	2	3	2	100%	100%	1	1	31-03-2021
18	Basudebpur (M)	6	5.7	0	0	0	0	0%	0%	2	1	31-03-2021
19	Bellaguntha (NAC)	1.5	1.4	1.5	1.4	5	5	30%	28%	0	0	
20	Belpahar (M)	4.57	4.29	4.57	4.29	5	5	91%	86%	0	0	
21	Berhmapur (MC)	64	61	64	61	83	67	77%	91%	0	0	
22	Bhadrak (M)	12.24	11.48	3	0	3	0	100%	0%	2	1	31-03-2021
23	Bhanjanagar NAC	3.1	2.9	3.1	2.9	4	4	78%	73%	0	0	
24	Bhawanipatna (M)	7.93	7.45	3	5	3	5	100%	100%	2	0	31-03-2021
25	Bhuban (NAC)	2.53	2.48	2.53	2.48	6	6	42%	41%	0	0	
26	Bhubaneswar (MC)	155	148	36	5	36	5	100%	100%	3	1	31-03-2021
27	Bijepur (NAC)	2.1	1.9	1	1	1	1	100%	100%	0	1	31-03-2021
28	Binika (NAC)	1.9	1.7	1.9	1.7	3	3	63%	57%	0	0	
29	Biramitrapur (M)	3.9	3.6	3.9	3	5	3	78%	100%	0	0	

Sl. No.	ULB Name	Total MSW Generation in TPD		Total MSW being processed in TPD		Capacity of Existing MSW facilities in TPD		Utilization Capacity of the existing MSW facilities		Proposed MSW Facilities		Completion Timeline
		Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	
30	Boudhgarh (NAC)	2.6	2.4	2.6	2.4	5	3	52%	80%	0	0	
31	Brajarajnagar (M)	11.65	8.64	10	5	10	5	100%	100%	0	1	31-03-2021
32	Buguda (NAC)	2.1	1.9	2.1	1.9	5	5	42%	38%	0	0	
33	Byasanagar (M)	5.68	5.34	5.68	5.34	10	8	57%	67%	0	0	
34	Champua NAC	2.6	2.4	2.6	2.4	5	5	52%	48%	0	0	
35	Chandbali (NAC)	3	2.7	1	2	1	2	100%	100%	2	0	31-03-2021
36	Chhatrapur (NAC)	3.6	3.4	3.6	3.4	5	5	72%	68%	0	0	
37	Chikiti (NAC)	2	1.8	2	1.8	5	5	40%	36%	0	0	
38	Choudwar (M)	7.21	6.79	4	6	4	6	100%	100%	1	1	31-03-2021
39	Cuttack (MC)	99	94	31	2	31	2	100%	100%	8	0	31-03-2021
40	Daspalla NAC	3.1	2.9	3.1	2	5	2	62%	100%	0	0	
41	Deogarh (M)	3.06	2.94	3.06	2.94	5	5	61%	59%	0	0	
42	Dhamnagar (NAC)	2.7	2.5	2.7	2.5	4	4	68%	63%	0	0	
43	Dharmagarh NAC	2.4	2.3	2.4	2.3	3	3	80%	77%	0	0	
44	Dhenkanal (M)	10.3	9.7	10.3	9.7	13	10	79%	97%	0	0	
45	Digapahandi (NAC)	2.2	1.8	2.2	1.8	5	5	44%	36%	0	0	
46	G. Udayagiri (NAC)	2.1	1.9	2.1	1.9	3	2	70%	95%	0	0	
47	Ganjam (NAC)	1.52	1.25	1.52	1.25	5	5	30%	25%	0	0	
48	Gopalpur (NAC)	1.2	1	1.2	1	5	3	24%	33%	0	0	
49	Gudari (NAC)	1.1	1	0	1	0	2	0%	50%	0	0	
50	Gunupur (M)	4	3.2	4	2	10	2	40%	100%	0	0	
51	Hindol NAC	2.1	1.8	2	1.8	2	2	100%	90%	0	0	
52	Hinjilicut (M)	3.57	3.43	3.57	3.43	5	5	71%	69%	0	0	
53	Jagatsinghpur (M)	5.85	5.85	5	5	5	5	100%	100%	0	0	
54	Jajpur (M)	6.54	6.54	5	5	5	5	100%	100%	0	1	31-03-2021
55	Jaleshwar (M)	3.57	3.43	3.57	3.43	5	4	71%	86%	0	0	
56	Jatani (M)	7.21	6.79	5	5	5	5	100%	100%	1	0	31-03-2021
57	Jeypore (M)	13	12	10	12	10	20	100%	60%	1	0	31-03-2021
58	Jharsuguda (M)	11.15	10.46	10	10	10	10	100%	100%	1	0	31-03-2021
59	Joda (M)	7.21	6.79	7.21	6.79	10	8	72%	85%	0	0	
60	Junagarh (NAC)	2.6	2.4	2.6	2	5	2	52%	100%	0	0	
61	Kabisurjanagar (NAC)	2.1	2	2.1	2	5	5	42%	40%	0	0	
62	Kamakshyanagar (NAC)	2.6	2.4	2.6	2.4	3	3	87%	80%	0	0	
63	Kantabanji (NAC)	3.4	2.9	3.4	2.9	5	5	68%	58%	0	0	
64	Karanjia (NAC)	2.76	2.48	2.76	0	3	0	92%	0%	1	0	31-03-2021
65	Kashinagar (NAC)	1.3	1.2	1.3	1.2	3	5	43%	24%	0	0	
66	Kendrapara (M)	6.18	5.82	5	5	5	5	100%	100%	1	0	31-03-2021
67	Keonjharagarh (M)	7.73	7.28	7.73	7.28	10	8	77%	91%	1	0	31-03-2021
68	Kesinga (NAC)	2.5	2.4	2.5	2.4	5	3	50%	80%	0	0	
69	Khalikote (NAC)	2.2	2.1	2.2	2.1	5	5	44%	42%	0	0	
70	Khandapada (NAC)	1.43	1	1.43	1	5	5	29%	20%	0	0	
71	Khariar (NAC)	2.7	2.5	2.7	2.5	3	3	90%	83%	0	0	
72	Khariar Road (NAC)	2.32	2	2.32	2	3	4	77%	50%	0	0	
73	Khordha (M)	5.92	5.58	5	5	5	5	100%	100%	0	1	31-03-2021
74	Kodala (NAC)	2.6	2.4	2.6	2.4	5	5	52%	48%	0	0	
75	Konark (NAC)	2.9	2.8	1	1	1	1	100%	100%	0	1	31-03-2021

Sl. No.	ULB Name	Total MSW Generation in TPD		Total MSW being processed in TPD		Capacity of Existing MSW facilities in TPD		Utilization Capacity of the existing MSW facilities		Proposed MSW Facilities		Completion Timeline
		Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	
76	Koraput (M)	8.5	8	8.5	8	10	10	85%	80%	0	0	
77	Kotpad (NAC)	2.6	2.4	2.6	2.4	10	3	26%	80%	0	0	
78	Kuchinda (NAC)	2.4	2	2.4	1	3	1	80%	100%	0	0	
79	Malkangiri (M)	4.59	4.41	4.59	4.41	8	5	57%	88%	0	0	
80	Nabarangapur (M)	3.57	3.43	3.57	3.43	4	4	89%	86%	0	0	
81	Nayagarh (M)	3	2.87	3	2.87	5	5	60%	57%	0	0	
82	Nilagiri (NAC)	3	2	3	2	4	3	75%	67%	0	0	
83	Nimapara (NAC)	2.7	2.5	2	2.5	2	3	100%	83%	0	0	
84	Nuapada NAC	1.9	1.8	1.9	1.8	3	3	63%	60%	0	0	
85	Odagaon (NAC)	1.54	1.45	1.54	1.45	5	5	31%	29%	0	0	
86	Padmapur NAC	2.1	2	2	2	2	2	100%	100%	2	2	31-03-2021
87	Paradeep (M)	11.5	9	11.5	9	12	10	96%	90%	0	0	
88	Paralakhemundi (M)	8	7.8	3	3	3	3	100%	100%	2	1	31-03-2021
89	Patnagarh (NAC)	2.53	2.48	2.53	2	5	2	51%	100%	0	0	
90	Pattamundai (M)	5.1	4.9	5	2	5	2	100%	100%	1	0	31-03-2021
91	Phulabani (M)	4.39	4.12	4.39	3	5	3	88%	100%	1	1	31-03-2021
92	Pipili (NAC)	2.6	2.5	2.6	2.5	3	3	87%	83%	0	0	
93	Polasara (NAC)	2.79	2.48	2.79	2.48	5	5	56%	50%	0	0	
94	Puri (M)	36	34	30	20	30	20	100%	100%	5	0	31-03-2021
95	Purusottampur (NAC)	2.1	2	2.1	2	5	5	42%	40%	0	0	
96	Rairangpur (M)	4	3.8	4	3	5	3	80%	100%	0	1	31-03-2021
97	Rajagangapur (M)	7	6	5	5	5	5	100%	100%	1	0	31-03-2021
98	Rambha (NAC)	2	1.98	2	1.98	5	2	40%	99%	0	0	
99	RANPUR NAC	2	1.75	2	1.75	3	3	67%	58%	0	0	
100	Raurkela (MC)	58	50	35	14	35	14	100%	100%	1	1	31-03-2021
101	Rayagada (M)	10	8	10	5	10	5	100%	100%	2	1	31-03-2021
102	Redhakhol (NAC)	2	1.81	2	1	3	1	67%	100%	0	0	
103	Sambalpur (MC)	59	51	20	10	20	10	100%	100%	5	5	31-03-2021
104	Sonepur (M)	3.8	3.54	3.8	3.54	5	5	76%	71%	0	0	
105	Soro (M)	4.08	3.92	4.08	3.92	5	5	82%	78%	0	0	
106	Sunabeda (M)	6.18	5.82	6.18	5.82	10	8	62%	73%	0	0	
107	Sundargarh (M)	5.67	5.34	5.67	5	10	5	57%	100%	0	1	31-03-2021
108	Surada (NAC)	2.1	1.8	2.1	1.8	5	5	42%	36%	0	0	
109	Talcher (M)	7.15	7.28	5	5	5	5	100%	100%	1	1	31-03-2021
110	Tarbha (NAC)	1.8	1.5	1.8	1.5	3	3	60%	50%	0	0	
111	Titilagarh (M)	4.08	3.92	4.08	3.92	5	5	82%	78%	0	0	
112	Tusura NAC	1.4	1.2	1.4	1.2	5	2	28%	60%	0	0	
113	Udala (NAC)	2.21	2	2.21	2	5	3	44%	67%	0	0	
114	Umerkote (M)	3.8	3.24	3.8	3.24	5	5	76%	65%	0	0	
Total:		943	866	605	454	793	583	71%	74%	65	28	

VIII. Plastic Waste Management:

- Total Plastic Waste generation: 108 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 25	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 February, 2021

Polluted River stretch : February, 2021

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
1. Gangua nallah (D/s Bhubaneswar) (Priority-I)	Rajdhani Engineering College	7.2	1.8	8.6	>160000	>160000	220	NC
	Palasuni	6.8	1.0	9.3	>160000	>160000	240	NC
	Samantarapur	7.0	1.1	9.7	>160000	>160000	280	NC
	Vadimula	7.0	1.2	6	7900	3300	110	NC
2. Daya River (Bhubaneswar to Bargarh) (Priority-IV)	Bhubaneswar D/s at Kanti	7.6	4.6	4.1	35000	17000	79	NC
	Bhubaneswar FD/s at Manitri	7.2	5.2	3.7	14000	4900	70	NC
	Daya at Kanas	Not Monitored						
3. Kuakhai River (Urli to Bhubaneswar) (Priority-IV)	Bhubaneswar FU/s	7.8	7.8	<1.0	790	220	<1.8	C
	Bhubaneswar U/s	8	7.9	1.3	2200	790	49	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-Governor House-Old bus stand Area	October, 2020	No sampling				
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	-	45	Absent	Absent

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

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

Sl. No.	Type	Quantity (MLD)	BOD (mg/L)	FC (MPN/100 mL)
	Drain Name		-	
1	Patia		152.5	>1,60,000
2	Sainik School		110.0	>1,60,000
3	Vani Vihar		97.5	>1,60,000
4	Laxmisagar area		62.5	>1,60,000
5	Baragada Area		125.0	>1,60,000
6	Kedargouri		75.0	>1,60,000
7	Airport area		19.0	>1,60,000
8	Ghatikia		100.0	>1,60,000
9	Nicco Park		102.5	>1,60,000
10	Sundarpada		26.0	>1,60,000

Polluted River stretch : February, 2021

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/100 mL	FC, MPN/100 mL	FS, MPN/100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
4. Kathajodi River (Cuttack to Urali) (Priority-III)	Cuttack D/s	7.9	7.3	4.1	49000	11000	17	NC
	Cuttack FD/s at Mattagajpur	7.7	6.9	2.7	2400	790	NA	C
5. Serua River (Khandaeta to Sankhatrasa) (Priority-V)	Cuttack FD/s at Sankhatrasa	7.9	8.1	3.4	22000	7900	NA	NC
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

Ground Water quality of Cuttack city along Mahanadi river, Kathajodi River and Serua river

Stn Name	Month	pH	BOD, mg/L	Nitrate-mg/L	TC, MPN/100 mL	FC, MPN/100 mL
Jagatpur	October, 2020	6.6	0.3	1.181	<1.8	<1.8
Mangalabag	October, 2020	7.2	0.3	1.408	<1.8	<1.8
Madhupatna-Kalyan Nagar Area	October, 2020	6.5	0.4	1.452	<1.8	<1.8
Badambadi Area	October, 2020	6.9	0.3	1.373	<1.8	<1.8
Bidanasi-Tulsipur Area,	October, 2020	6.9	0.4	1.058	<1.8	<1.8
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	-	45	Absent	Absent

NA : Not analysed

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

Characteristic of Drains falling on Kathajodi river (February, 2021)

Sl. No.	Station Name	Parameters					
		pH	BOD, mg/l	COD, mg/l	TSS, mg/l	TC	FC
						MPN/100ml	
1	Wastewater discharge to Kathajodi river at Mattagajpur	7.5	10.5	37.7	18.0	92000	54000

Polluted River stretch : February, 2021

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
6. Guradih nallah Along Rourkela (Priority-III)	Rourkela (before confluence with Brahmani river)	8.5	2.1	8.0	92000	54000	130	NC
7. Brahmani (Rourkela to Biritola) (Priority-V)	Panposh D/s at Deogaon	7.9	3.9	5.2	5400	2400	14	NC
	Rourkela D/s at Jalda	8.0	4.1	4.8	2400	790	11	NC
	Rourkela FD/s at Attaghat	8.0	5.2	3.5	1700	330	2	NC
	Rourkela FFD/s at Biritola	8.0	6.1	2.8	230	45	<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 : February, 2021

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
8. Nandira jhor D/s Talcher (Priority-III)	Nandira D/s at Dasnali	8.0	11.2	1.6	700	170	<1.8	C
9. Banguru nallah Along Talcher (Priority-V)	Along Talcher	7.7	9.2	1.2	330	78	<1.8	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

Ground Water quality of 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 : February, 2021

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
10. Mahanadi (Sambalpur to Paradeep) (Priority-V)	Sambalpur D/s	8.3	8.0	1.5	22000	11000	22	NC
	Sambalpur FD/s at Shankarmath	8.4	7.6	1.2	1700	1300	4	C
	Sambalpur FFD/s at Huma	7.8	9.0	1.1	790	230	2	C
	Sonepur U/s	8.5	7.8	<1.0	230	45	<1.8	C
	Sonepur D/s	8.4	8.2	1.1	330	78	<1.8	C
	Tikarpada	7.8	9.6	1.3	2400	330	NA	C
	Narasinghpur	7.0	9.2	<1.0	230	45	5	C
	Munduli	7.6	9.0	<1.0	490	78	14	C
	Cuttack U/s	8.0	9.4	<1.0	330	45	2	C
	Cuttack D/s	8.1	9.0	1.3	2400	330	4	C
	Cuttack FD/s	8.4	8.6	1.2	700	130	2	C
	Paradeep U/s	7.8	8.6	<1.0	78	20	<1.8	C
Paradeep D/s	8.0	7.0	1.7	<1.8	<1.8	<1.8	C	
11. Bheden Along Bheden (Priority-V)	Jharsuguda	8.5	7.6	1.0	2400	490	11	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

Water quality of Tributaries of Mahanadi River (February, 2021)

Name of river	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
Ib River	Sundargarh	7.8	8.2	<1.0	1700	230	NA	C
	Jharsuguda	7.6	7.6	1.1	790	130	NA	C
	Brajrajnagar U/S	7.7	8.2	<1.0	3500	1700	NA	C
	Brajrajnagar D/S	7.7	8.0	1.2	4900	2300	NA	C
Ong River	Dharuakhaman	8.4	8.8	<1.0	45	<1.8	<1.8	C
Tel River	Monmunda	8.3	8.8	1.1	20	<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 : February, 2021

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
12. Mangala (Along Puri) (Priority-V)	Mangala D/s at Golasahi	8.4	10.1	4.9	790	220	5	NC
13. Nuna (Along Bijipur, Puri) (Priority-V)	Nuna at Bijipur	7.3	7.6	<1.0	2400	490	NA	C
14. Ratnachira (Along Sakhigopal, Puri) (Priority-V)	Kumardihi	7.2	7.3	1.1	1100	270	4	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

Ground Water quality of Puri town along Mangala river

Stn Name	Month	pH	BOD, mg/l	Nitrate-mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml
Hospital-Bus stand-Mausima temple area	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 (February, 2021)

Sl. No.	Station Name	Parameters					
		pH	BOD, mg/l	COD, mg/l	TSS, mg/l	TC	FC
						MPN/100ml	
1	Outlet of STP, Puri at Mangalaghat 15 MLD)	8.0	15.0	41.2	17.0	3300	1300

Polluted River stretch : February, 2021

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
15. Nagavali (Jaykaypur to Rayagada) (Priority-V)	Jayakaypur D/s	7.5	6.5	1.6	1100	330	<1.8	C
	Rayagada D/s	7.5	7.4	<1.0	940	330	<1.8	C

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

Polluted River stretch : February, 2021

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
16. Budhabalanga (Mahulia to Baripada) (Priority-V)	Baripada D/s	8.1	8.8	1.8	3500	1300	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)	

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

Polluted River stretch : February, 2021

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
17. Kusumi Along Tangi (Priority-V)	Along Tangi	7.3	7.7	1.8	2800	700	24	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 :: February, 2021

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
18. Rushikulya Pratappur to Ganjam (Priority-V)	Madhopur	8.3	6.5	1.5	3500	1300	2	C
	Potagarh	8.0	6.2	<1.0	460	330	<1.8	C
19. Sabulia Along Jagannathpatna, Rambha (Priority-V)	Jagannathpatna, Rambha	6.9	10.1	<1.0	3500	2200	13	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

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

Stn Name	Month	pH	BOD, mg/l	Nitrate- mg/l	TC, MPN/ 100 ml	FC, MPN/ 100 ml
Near MKCG Medical College	October, 2020	7.8	0.3	1.356	49	13
Bus stand	October, 2020	7.3	0.3	1.180	79	23
Badabazar	October, 2020	7.1	0.2	1.289	22	<1.8
Railway station	October, 2020	7.2	0.6	6.336	49	13
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	-	45	Absent	Absent

NA : Not analysed

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

Annexure- 5 (a)

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

Sl. No.	Polluted River Stretches identified by CPCB	Priority Category of Polluted River stretch					Remarks (During 2021)
		2017 (BOD mg/L, max)	2018 (BOD mg/L, max)	2019 (BOD mg/L, max)	2020 (BOD mg/L, max)	2021 (Upto Feb) (BOD mg/L)	
1.	Gangua River (Along Bhubaneswar)	Priority-I (39.0)	Priority-I (70.8)	Priority-I (39.2)	Priority-III (19.9)	Priority-IV (9.7)	Priority has been reduced from I to IV (Improved)
2	Daya (Bhubaneswar to Bargarh)	Priority-IV (7.3)	Priority-IV (7.4)	Priority-IV (7.3)	Priority-V (4.7)	Priority-V (4.2)	Priority has been reduced from IV to V (Improved)
3	Brahmani (Rourkela to Biritol)	Priority-V (6.0)	Priority-IV (7.6)	Priority-V (5.3)	Priority-IV (6.3)	Priority-V (5.7)	No Improvement
4	Guradih nallah (Rourkela)	Priority-III (11.3)	Priority-IV (10.1)	Priority-IV (8.5)	Priority-IV (10.0)	Priority-IV (8.5)	Priority has been reduced from III to IV (Improved)
5	Mangala (Along Puri)	Priority-V (5.7)	Priority-V (5.8)	Priority-IV (7.4)	Priority-V (4.6)	Priority-V (4.9)	No Improvement
6	Nagavali (Jaykaypur to Rayagada)	Priority-V (3.5)	Clean (2.8)	Clean (2.2)	Clean (2.1)	Clean (2.1)	Clean (Improved)
7	Kathajodi (Cuttack to Urali)	Priority-III (11.2)	Priority-V (5.7)	Priority-V (3.9)	Priority-V (3.6)	Priority-V (4.1)	Priority has been reduced from III to V (Improved)
8	Serua (Khandaeta to Sankhatrasa)	Priority-V (4.8)	Priority-V (5.5)	Priority-V (3.1)	Priority-V (3.8)	Priority-V (3.4)	No Improvement
9	Ratnachira (Along Bhubaneswar, Puri)	Priority-V (3.3)	Priority-V (3.5)	Clean (2.7)	Clean (1.7)	Clean (2.4)	Clean (Improved)
10	Nandira Jhor (D/s of Talcher)	Priority-III (13.0)	Priority-V (3.5)	Clean (1.9)	Clean (1.9)	Clean (1.6)	Clean (Improved)
11	Kuakhai (Along Bhubaneswar)	Priority-IV (7.7)	Clean (1.6)	Clean (1.9)	Clean (1.8)	Clean (1.3)	Clean (Improved)
12	Mahanadi (Sambalpur to Paradeep)	Priority-V (3.2)	Clean (2.3)	Clean (2.3)	Clean (2.7)	Clean (1.7)	Clean (Improved)
13	Rushikulya (Pratappur to Ganjam)	Priority-V (3.4)	Priority-V (3.7)	Clean (2.6)	Clean (2.1)	Clean (1.6)	Clean (Improved)
14	Banguru nallah (Along Talcher, Rengali)	Priority-V (3.2)	Priority-V (3.9)	Clean (1.9)	Clean (1.6)	Clean (1.2)	Clean (Improved)
15	Bheden (Along Bheden)	Priority-V (3.6)	Clean (2.8)	Clean (2.0)	Clean (1.8)	Clean (1.5)	Clean (Improved)
16	Kusumi (Along Talcher)	Priority-V (3.2)	Clean (1.7)	Clean (2.6)	Clean (2.0)	Clean (1.8)	Clean (Improved)
17	Nuna (Along Bijipur)	Priority-V (3.1)	Clean (2.7)	Clean (2.5)	Clean (1.8)	Clean (<1.0)	Clean (Improved)
18	Sabulia (Jagannathpatna, Rambha)	Priority-V (5.0)	Clean (2.4)	Clean (2.2)	Clean (1.9)	Clean (2.0)	Clean (Improved)
19	Budhabalanga (Mahulia to Baripada)	Priority-V (3.5)	Clean (2.8)	Clean (1.6)	Clean (1.9)	Clean (1.8)	Clean (Improved)

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

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)	No. of polluted River stretch (Upto Feb, 2021)
Priority-I	1	1	1	Nil	Nil
Priority-II	Nil	Nil	Nil	Nil	Nil
Priority-III	3	Nil	Nil	1	Nil
Priority-IV	2	3	3	2	2
Priority-V	13	7	3	4	5
		8 (Clean)	12 (Clean)	12 (Clean)	12 (Clean)
Total :	19	19	19	19	19

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

Water quality of Rivers in Odisha during February, 2021

Total River water quality Monitoring Station : 129

No. of stations conforming to Bathing Water quality : 112

(a) Mahanadi River System

Name of River	Sl. No.	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/100 mL	FC, MPN/100 mL	FS, MPN/100 mL	Water Quality Status (Conforming (C)/ Non-Conforming (NC))
Ib	1	Sundargarh	7.8	8.2	<1.0	1700	230	NA	C
	2	Jharsuguda	7.6	7.6	1.1	790	130	NA	C
	3	BrajrajnagarU/S	7.7	8.2	<1.0	3500	1700	NA	C
	4	BrajrajnagarD/S	7.7	8	1.2	4900	2300	NA	C
Bheden	5	Jharsuguda	8	7.8	1.5	2200	490	NA	C
Hirakud Reservoir	6	Hirakud	8.5	8.8	<1.0	230	45	NA	C
Mahanadi	7	Sambalpur U/S	8.1	8.8	<1.0	2200	1100	5	C
	8	Sambalpur D/S	8.3	8	1.5	22000	11000	22	Unsatisfactory
	9	Sambalpur FD/S at Shankarmath	8.4	7.6	1.2	1700	1300	4	C
	10	Sambalpur FD/S at Huma	7.8	9	1.1	790	230	2	C
	11	Power Channel U/S	8.1	7.8	<1.0	490	78	NA	C
	12	Power Channel D/S	8.2	7.8	1.2	3500	1300	NA	C
	13	Sonepur U/S	8.5	7.8	<1.0	230	45	<1.8	C
	14	Sonepur D/S	8.4	8.2	1.1	330	78	<1.8	C
	15	Tikarpada	7.8	9.6	1.3	2400	330	NA	C
	16	Narasinghpur	7	9.2	<1.0	230	45	5	C
	17	Munduli	7.6	9	<1.0	490	78	14	C
	18	Cuttack U/s	8	9.4	<1.0	330	45	2	C
	19	Cuttack D/s	8.1	9	1.3	2400	330	4	C
	20	Cuttack FD/s	8.4	8.6	1.2	700	130	2	C
21	Paradeep U/S	7.8	8.6	<1.0	78	20	<1.8	C	
22	Paradeep D/S	8	7	1.7	<1.8	<1.8	<1.8	C	
Ong	23	Dharuakhaman	8.4	8.8	<1.0	45	<1.8	<1.8	C
Tel	24	Monmunda	8.3	8.8	1.1	20	<1.8	<1.8	C
Kathajodi	25	Cuttack U/s	8.5	8.1	1.1	460	78	7	C
	26	Cuttack D/s	7.9	7.3	4.1	49000	11000	17	NC
	27	Cuttack FD/s at Mattagajpur	7.7	6.9	2.7	2400	790	NA	C
	28	Cuttack FFD/s at Kamasasan	7	7.3	2.3	3500	1300	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	7.9	8.1	3.4	22000	7900	NA	NC
Kuakhai	30	Bhubaneswar FU/s	7.8	7.8	<1.0	790	220	<1.8	C
	31	Bhubaneswar U/s	8	7.9	1.3	2200	790	49	C
Daya	32	Gelapur	8.3	8.1	1.8	4900	2300	33	C
	33	Bhubaneswar D/s	7.6	4.6	4.1	35000	17000	79	NC
	34	BhubaneswarFD/s	7.2	5.2	3.7	14000	4900	70	NC
	35	Kanas	Not monitored						
Birupa	36	Choudwar	8.1	7.7	<1.0	4900	1100	NA	C
Gangua nallah	37	Rajdhani Engineering College	7.2	1.8	8.6	>160000	>160000	220	NC
	38	Palasuni	6.8	1	9.3	>160000	>160000	240	NC
	39	Samantarapur	7	1.1	9.7	>160000	>160000	280	NC
	40	Vadimula	7	1.2	6	7900	3300	110	NC
Kushabhadra	41	Bhingarpur	7.1	10.4	1.2	17000	7900	NA	NC
	42	Nimapara	7.1	8.7	1.4	54000	24000	NA	NC
	43	Gop	7	7.6	1.1	54000	22000	NA	NC
Gobari	44	Kendrapada U/s	8.1	8.6	1.1	330	78	NA	C
	45	Kendrapada D/s	7.7	7.8	1.4	700	230	NA	C
Mangala	46	Mangala U/s at Malatipatpur	7.2	8.8	1.1	490	110	NA	C
	47	Mangala D/s at Golasahi	8.4	10.1	4.9	790	220	5	C
Bhargavi	48	Chandanpur	8.4	7.1	1.8	790	170	NA	C
Devi	49	Machhagaon	7.8	8.2	<1.0	220	170	NA	C
Luna	50	Luna at Bijipur	7.3	7.6	<1.0	2400	490	NA	
Sabulia	51	Rambha, Jagatnathpatna	6.9	10.1	<1.0	3500	2200	13	
Kusumi	52	Tangi	7.3	7.7	1.8	2800	700	24	
Kansari	53	Banapur	7.8	6.5	2.4	3500	1300	NA	
Badasankha	54	Langalaeswar	7.6	8.9	2.2	4900	2200	NA	
Ratnachira	55	Kumardihi	7.2	7.3	1.1	1100	270	4	
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	7.7	6.8	1.2	2400	490	5	C
	2	Panposh D/S	7.9	3.9	5.2	5400	2400	14	NC
	3	Rourkela D/S at Jalda	8.0	4.1	4.8	2400	790	11	NC
	4	Rourkela FD/s at Attaghat	8.0	5.2	3.5	1700	330	2	NC
	5	Rourkela FFD/s at Biritola	8.0	6.1	2.8	230	45	<1.8	C
	6	Bonaigarh	8.2	7.3	<1.0	790	130	NA	C
	7	Rengali	7.9	8.6	<1.0	220	45	NA	C
	8	Samal	8.4	11.0	1.3	3500	1300	NA	C
	9	Talcher FU/S	8.1	8.8	<1.0	330	130	<1.8	C
	10	Talcher U/s	8.0	8.2	<1.0	940	490	<1.8	C
	11	Mandapal	7.8	6.4	1.3	1700	700	<1.8	C
	12	Talcher D/S	8.0	8.4	1.8	2400	790	4	C
	13	Talcher FD/S	8.2	10.6	1.5	1100	460	<1.8	C
	14	Dhenkanal U/s	7.6	8.4	<1.0	330	130	NA	C
	15	Dhenkanal D/s	7.8	7.8	<1.0	490	230	NA	C
	16	Bhuban	7.6	8.2	<1.0	1300	490	NA	C
	17	Kabatabandha	6.7	7.5	1.2	230	45	NA	C
	18	Dharmasala U/s	6.9	7.3	<1.0	1700	790	NA	C
	19	Dharmasala D/s	7.0	7.1	1.2	2800	1100	NA	C
	20	Pottamundai	7.9	8.8	1.2	490	170	NA	C
Kharasrota	21	Khanditara	7.3	7.6	1.1	1100	330	NA	C
	22	Binjharpur	7.9	7.0	2.6	3300	460	NA	C
	23	Ali	8.1	9.0	1.6	330	45	NA	C
Nandira jhor	24	Nandira U/s	7.9	7.4	1.1	330	78	<1.8	C
	25	Nandira D/s	8.0	11.2	1.6	700	170	<1.8	C
Kisindajhor	26	Kisindajhor	8.3	9.0	1.5	330	78	NA	C
Sankh	27	Sankh U/s	7.8	7.9	<1.0	2200	330	NA	C
Koel	28	Koel U/s	7.8	8.8	1.1	2400	490	NA	C
Guradih nallah	28	Rourkela (before confluence with Brahmani river)	8.5	2.1	8.0	92000	54000	130	NC
Badajhor	30	Badajhor	7.9	8.8	1.7	1300	490	NA	C
Damsala	31	Dayanabil	7.5	6.9	<1.0	1300	220	NA	C
Gondanallah	32	Marthapur	7.7	6.7	1.1	1300	490	NA	C
Karo	33	Barbil	7.8	7.3	<1.0	2400	790	NA	C
Lingra	34	Lingira U/s	8.5	10.0	1.1	1700	790	NA	C
	35	Lingira D/s	8.3	11.2	1.5	2200	1100	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	7.4	<1.0	460	45	NA	C
Bangurunallah	37	Bangurunallah	7.7	9.2	1.2	330	78	<1.8	C
Singadajhor	38	Singadajhor	8.4	10.2	1.1	790	170	NA	C
Tikira	39	Kaniha U/s	7.6	8.4	<1.0	330	110	NA	C
	40	Kaniha D/s	8.0	9.0	1.4	700	140	NA	C
Bangurusingadajhor	41	Bangurusingadajhor	8.5	9.6	1.1	490	78	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	7.4	6.8	<1.0	1400	330	NA	C
Kusei	2	Deogaon	7.9	8.6	1.7	2200	700	NA	C
Baitarani	3	Naigarh	7.7	7.2	<1.0	1300	220	NA	C
	4	Unchabali	7.6	7.0	<1.0	700	110	NA	C
	5	Champua	7.7	7.9	1.2	790	170	NA	C
	6	Tribindha	7.8	7.6	<1.0	490	140	NA	C
	7	Joda	7.7	7.1	<1.0	3500	790	NA	C
	8	Anandpur	7.8	8.0	1.5	2800	790	NA	C
	9	Jajpur	7.2	6.8	2.5	1400	330	NA	C
	10	Chandbali U/s	8.0	8.4	1.1	2200	130	NA	C
	11	Chandbali D/s	8.0	7.2	1.3	3500	2400	NA	C
Dhamra	12	Dhamra	8.0	6.4	1.3	490	230	NA	C
Salandi	13	Bhadrak U/s	8.4	8.4	<1.0	2400	790	NA	C
	14	Bhadrak D/s	8.5	8.8	1.1	3500	1100	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	8.5	7.5	<1.0	4700	1100	NA	C
Badanadi	2	Aska	8.4	8.5	1.1	4000	1700	NA	C
Rushikulya	3	Aska	8.5	8.0	<1.0	3400	1100	NA	C
	4	Nalabanta	8.4	7.0	<1.0	4900	1400	NA	C
	5	Madhopur	8.3	6.5	1.5	3500	1300	2	C
	6	Potagarh	8.0	6.2	<1.0	460	330	<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 (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	8.4	8.0	1.1	1700	330	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	8.1	8.8	1.8	3500	1300	14	C
	2	Balasore U/s	7.9	8.0	<1.0	1300	490	NA	C
	3	Balasore D/s	7.8	6.8	1.3	3500	790	NA	C
	4	Hatiagond (Sona)	8.1	8.0	<1.0	1400	330	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	9.5	<1.0	3500	1100	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	7.1	6.7	1.1	790	230	NA	C
	2	Jayjkaypur D/s	7.5	6.5	1.6	1100	330	<1.8	C
	3	Rayagada D/s	7.5	7.4	<1.0	940	330	<1.8	C

(I) Vansadhara River system

Name of River	Sl. No.	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/100 mL	FC, MPN/100 mL	FS, MPN/100 mL	Water Quality Status (Conforming (C)/ Non-Conforming (NC))
Vansadhara	1	Muniguda	7.7	6.8	<1.0	1300	490	NA	C
	2	Gunupur	7.7	6.8	<1.0	490	130	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	7.5	7.4	<1.0	2200	1100	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	7.6	7.2	<1.0	490	170	NA	C

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

5. Measures taken for

A. Control of Illegal Groundwater Abstraction - Yes

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

B. River Catchment/ Basin Management - Yes

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

C. Flood Plain Zone Protection - Yes

Out of 9 Nos. of polluted river stretches, in Gangua Nalla (Priority No-1), a proposal for construction of a cross regulator at the off taking point of Gangua Nalla has been approved in 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

Rain water harvesting.

Rooftop Rainwater Harvesting Structures (RRHS)

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

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

Ground Water Recharge

i) Through Wells	2019-20	179 nos (completed)
(recharge shaft on Tanks and pond)	2020-21	65 nos. taken up in 11 districts, out of which 45 Nos. completed and remaining 20 numbers are in progress
ii) Through Check dams		
	up to 03/2020	15604 nos. in 30 districts (completed since inception of the scheme in 2010-11)
	up to 2/2021,	15803 nos. in 30 districts (completed since inception of the scheme in 2010-11. A provision of Rs. 67 crores has been kept for construction of check dams in 30 districts during the FY 2020-21)

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

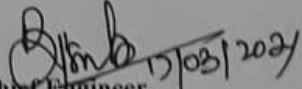
Setting up of Bio-diversity parks will be taken up with the help of Forest & Env. Deptt.

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

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

G. Removal of encroachments

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


17/03/2021
Chief Engineer,
Basin Planning & Climate Change

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter
O.A. No. 673 of 2018 (in compliance to NGT Order Dtd.24.09.2020).
Month – February - 2021

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

1	2	3	4	5	6
SL NO.	Key Components of Proposed Action Plan for restoration of polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
XIV	Ground Water regulation:	Govt. of Odisha has formulated an act for regulation for groundwater namely "The Odisha Ground Water (Regulation, Development and Management) Act, 2011". Central Ground Water Board (CGWB) & District Level Evaluation Committee (DLEC) strictly control the ground water abstraction by the industries. Chief Engineer & Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.			
XV	Good Irrigation Practices being adopted by the state:	Rotational water supply in Daya West Branch Canal system recharges the ground water as well as river or drain.	In every year, during Kharif crop (1 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 Govt. 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	Denuclearisation of Flood Plain & removal of illegal encroachments:	<p>Ground Water Recharge through construction of Recharge shaft in tanks and ponds</p> <p>Construction of Check Dam.</p>	<p>2020-21</p> <p>2019-20 2020-2021</p> <p>2019-20</p> <p>2020-21 (up to February -2021)</p>	<p>20 nos in Govt buildings and 400 nos in private buildings will be constructed in Khurduha Dist. 9 nos</p> <p>534 nos. of Check Dams completed up to March 2020 in Khurduha Dist.</p> <p>536 nos. of Check Dams completed up to January-2021 in Khurduha Dist.</p>	<p>Provision for Rs. 67 crores has been kept for the year 2020-21.</p>
		<p>Proposal for construction of a cross regulator at the off taking point of Gangua Nalla to divert the entire flood discharge of Charadaka catchment to Kuskhia 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.</p>	<p>128th TAC of DoWR has approved the construction of cross regulator.</p>		

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 injecting water from river Mahasadi 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 February- 2021.	1979 Nos. of plants are alive.	
XIX	Plantation activities along the river:	4900 seeding has been sown along the drainage canals by Khurda Drainage Division during monsoon of 2018. In 2020-21, green belts will be created on the identified vacant areas/flood plains on the bank of the river stretches with the help of F&E Deptt.	During Monsoon 2018.		
XX	Development of bio-diversity park:	Development of bio-diversity parks will be taken up with the help of Forest & Env. Deptt.			


 Chief Engineer
 BRACC
 12/03/2021

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 – February - 2021

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

1	2	3	4	5	6
Sl. NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
XIV	Ground Water regulation	Govt. of Odisha has formulated an act for regulation for groundwater namely "The Odisha Ground Water (Regulation, Development and Management) Act, 2011". Central Ground Water Board (CGWB) & District Level Evaluation Committee (DLEC) strictly control the ground water abstraction by the industries. Chief Engineer & Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.			
XV	Good Irrigation Practices being adopted by the state:	Rotational water supply in Puri Main Canal system recharges the ground water as well as river or drain.	In every year, during Kharif crop (1 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 2019-2020 2020-21	RRHS of 131 nos in Govt. Buildings & 4942 nos. in Private Buildings completed in Bhubaneswar. Nil 20 nos in Govt. buildings and 400 nos in private buildings will be constructed in Khurda Dist. 9 nos	Bhubaneswar town Provision for Rs. 37 crores has been kept for the year 2020-21
		Ground Water Recharge through construction of Recharge shaft in banks and ponds Construction of Check Dam.	2019-20 2020-2021 2019-20	Programmed nil 534 nos. of Check Dams completed up to March 2020 in Khurda Dist. 536 nos. of Check Dams completed up to February -2021 in Khurda Dist.	In Khurda Dist. In Khurda Dist. Provision for Rs. 67 crores has been kept for the year 2020-21.
XVII	Demarcation of Flood Plain & removal of illegal encroachments:	All the flood plain zones are adequately protected and effectively managed every year. When encroachment are noticed, Revenue Authorities are moved to make the land free from encroachment to maintain the natural flow in the drain.	2020-21 (up to February -2021)		

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 seedling 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 P&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
 IP&CC
 15/03/2021

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 – February - 2021

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

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

SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XVI	Rainwater harvesting	Construction of Rooftop Rainwater Harvesting Structure (RRHS) in Govt. and Private Building in towns of Odisha	2014-15 to 2018-19 2019-2020 2020-21 2019-20 2020-21 (Provision) 2019-20 2020-21 (up to February -2021)	RRHS of 7 nos in Govt. Buildings & 76 nos. in Private Buildings completed Nil 12 nos in Govt. buildings and 160 nos in private buildings will be constructed in Sundergarh Dist. 4 nos 5 nos 742 nos. of Check Dams completed up to March 2020 in Sundergarh Dist. 742 nos. of Check Dams completed up to February-21 in Sundergarh Dist.	Rourkela town Provision for Rs. 37 crores has been kept for the year 2020-21 In Sundergarh Dist. In Sundergarh Dist. Provision for Rs. 67 crores has been kept for the year 2020-21.

SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XVII	Demarcation of Flood Plain & removal of illegal encroachments:	All the flood plain zones are adequately protected and effectively managed every year. When encroachment are noticed, Revenue Authorities are moved to make the land free from encroachment to maintain the natural flow in the drain.			
XVIII	Maintaining minimum e-flows of river:	E-flow maintained. Integrated watershed management programme is executed through out the state by Odisha Watershed Development Mission.	During lean period from Nov to May.	Maintained	
XIX	Plantation activities along the river:	27773 nos. of sapling and seeding has been sown along the drainage canals by Sundergarh Jr. Division & 17944 nos. of sapling and seeding have been sown along the canal by Rukma Canal Division during monsoon of 2018. In 2020-21, green belts will be created on the identified vacane areas/flood plains on the bank of the river stretches with the help of F&E Deptt.	Monsoon 2018.	-	By Sundergarh Jr. Division and Rukma 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
 IP&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 – February - 2021**

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, Bhudaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.			
XV	Good Irrigation Practices being adopted by the state:				
XVI	Rainwater harvesting	Construction of Rooftop Rainwater Harvesting Structure (RRHS) in Govt. and Private Building in towns of Odisha.	2014-15 to 2018-19	RRHS of 7 nos in Govt. Buildings & 76 nos in Private Buildings completed	Rourkela town
			2019-2020	Nil	

Sl. NO.	Key Components of Proposed Action , in 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 drains.	2020-21 (up to February-2021)	742 nos. of Check Dams completed up to February-2021 in Sundernagrh 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 throughout the state by Jalsha Watershed Development Mission	During lean period from Nov to May.	Maintained	

Sl. NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XIX	Plantation activities along the river.	27373 nos. of sapling seed seedling has been sown along the drainage canals by Sundergarh In. Division & 17944 nos. of sapling and seedling have been sown along the canal by Rukma 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 In. Division and Rukma 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.	-	-	


 Engineer
 IP&CC, 17/05/2018

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 – February - 2021

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

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

Sl. NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XVII	Demonstration of Flood Plain & removal of illegal encroachments;	All the flood plain zones are adequately protected and effectively managed every year. When encroachment are noticed, Revenue Authorities are moved to make the land free from encroachment to maintain the natural flow in the drain.			
XVIII	Maintaining minimum e-flows of river;	E-flow maintained. Integrated watershed management programme is executed throughout the state by Odisha Watershed Development Mission	During lean period from Nov to May.	Maintained	
XIX	Plantation activities along the river;	1700 sapling has been sown along the canal colony; office premises by Puri Irr. Division during monsoon of 2018. In 2019-21, green belts will be created on the identified vacuum areas/flood plains on the bank of the river stretches with the help of F&E Deptt.	Monsoon 2018.		By Puri Irr. Division, Puri
XX	Development of bio-diversity parks;	Development of bio-diversity parks will be taken up with the help of Forest & Env. Deptt.	-	-	


 Sandeep Kumar
 13/03/2021
 BIRACC

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 – February - 2021

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

Sl. No.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XVI	Rainwater harvesting	Construction of Rooftop Rainwater Harvesting Structure (RRHS) in Govt. and Private Building in towns of Odisha.	2019-2020 2020-21	Nil Nil (Programmed) in Rayagada Dist.	Provision for Rs. 17 crores has been kept for the year 2020-21
XVII	Demarcation of Flood Plain & removal of illegal encroachments:	Ground Water Recharge through construction of Recharge shaft in tanks and ponds. Construction of Check Dam.	2019-20 2020-21 (Provision) 2019-20 2020-21 (up to February- 2021)	Nil Nil (Programmed) 83 nos of Check Dams completed up to March-2020 in Rayagada Dist. 83 nos of Check Dams completed up to February -2021 in Rayagada Dist.	In Rayagada Dist. 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 %sage	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.	5160 nos of sapling has been sown in Rayagada Dis. By Rayagada Miner 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 Miner Division Irrigation
XX	Development of bio-diversity park.	Development of bio-diversity parks will be taken up with the help of Forest & Env. Deptt.	-	-	


 Chief Engineer 13/08/2021
 BPA&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 – February - 2021

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

Sl. NO.	1	2	3	4	5	6
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 (DLEEC) strictly control the ground water abstraction by the industries. Chief Engineer & Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.	4			
XV	Good Irrigation Practices being adopted by the state:	No irrigation water recharges river Karhaljodi (from Cutback to Uralli)				

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

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


 Chief Engineer
 BP&CC
 15/03/2021

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 – February - 2021

8. Name of the Polluted River Stretch :- Serrua River (Khandaeta to Sankhatrasa)	1	2	3	4	5	6
SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks	
XIV	Ground Water regulation:	Govt. of Odisha has formulated an act for regulation for groundwater namely "The Odisha Ground Water (Regulation, Development and Management) Act, 2011". Central Ground Water Board (CGWB) & District Level Evaluation Committee (DLEC) strictly control the ground water abstraction by the industries. Chief Engineer & Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.				
XV	Good Irrigation Practices being adopted by the state:	Rotational water supply in 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 2019-2020 2020-21	RRHS of 07 nos in Govt. Buildings & 123 nos. in Private Buildings completed Nil 12 nos in Govt. buildings and 240 nos in private buildings will be constructed in Cuttack Dist. 05 nos 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	699 nos. of Check Dams completed up to March 2020 in Cuttack Dist. Nil	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 February -2021)	706 nos. of Check Dams completed up to February - 2021 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 Irr. 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 Irr. 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
 12/08/2021

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter
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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 regular interval.			
XV	Good Irrigation Practices being adopted by the state:	Rotational water supply in Sakshigopal Branch Canal, Pari Main Canal & Gobardhanpur 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 water supply is maintained in Kharif & Rabi crops.	

SL NO.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XVI	Rainwater harvesting	Construction of Rooftop Rainwater Harvesting Structure (RRHS) in Govt. and Private Building in towns of Odisha.	2014-15 to 2018-19 2019-2020 2020-21	RRHS of 34 nos in Govt. Buildings & 529 nos. in Private Buildings completed Nil 12nos in Govt. buildings and 160 nos in private buildings will be constructed in Puri Dist. Nil	Puri town Provision for Rs. 37 crores has been kept for the year 2020-21 In Puri Dist. In Puri Dist.
		Ground Water Recharge through construction of Recharge shaft in tanks and ponds Construction of Check Dam.	2019-20 2020-21(Provision) 2019-20	05 118nos. of Check Dams completed up to March 2020 in Puri Dist. 141 nos. of Check Dams completed up to February-2021 in Puri Dist.	In Puri Dist. In Puri Dist. Provision for Rs. 67 crores has been kept for the year 2020-21.
XVII	Demarcation of Flood Plain & removal of illegal encroachments:	All the flood plain zones are adequately protected and effectively managed every year. When encroachment are noticed, Revenue Authorities are moved to make the land free from encroachment to maintain the natural flow in the drain.	2020-21(up to February -2021)		

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
 12/02/2021



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.	-	-	-	-

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No. 694 Date 27/7/2020

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

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

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

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,
Member Secretary, 21/07/20

Encl: As above.

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

Member Secretary, 21/07/20

Encl: As above.

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

Member Secretary, 21/07/20

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

Member Secretary, 21/07/20

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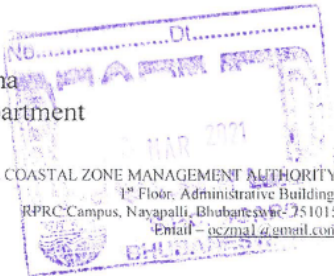
**COMPLIANCE OF THE ORDER DTD. 22.06.2020 PASSED BY THE HON'BLE NGT IN
OA NO. 673/2018 & ACTION TAKEN BY ODISHA GOVERNMENT FOR
RESTORATION OF POLLUTED STRETCH OF RIVER KATHAJODI**

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.

Government of Odisha
Forest & Environment Department

ODISHA COASTAL ZONE MANAGEMENT AUTHORITY
1st Floor, Administrative Building,
RPRC Campus, Nayapalli, Bhubaneswar-751015
Email - oczma1@gmail.com



No. 72 /OCZMA Dt. 03.03.2021

From

Sri Susanta Nanda, IFS
Director, Environment-cum-
Special Secretary to Govt.
and Member Secretary, OCZMA

To

Dr. Prashant Gargava,
Member Secretary,
Central Pollution Control Board,
Parivesh Bhawan, East Atrjun Nagar, Delhi-110032

SEE-3 (CRND)

Sub: Action plan to address pollution from coastal towns in the state-reg.

Ref: OSPCB Letter no. 896/IND-IV-BW/2824(Pt.VI)/19-20 Dt. 20.01.2021

Sir,

With reference to the above cited subjects, I am enclosing herewith the Coastal Zone Management Plan maps of coastal urban areas of Odisha, prepared based on CRZ Notification, 2011 approved by MoEF& CC as action plan for restoration of coastal stretches.

Encl: As above.

Yours faithfully,

[Signature]
12/3

[Signature]
Director, Environment-cum-
Special Secretary to Govt. and
Member Secretary, OCZMA

CES
[Signature]
19/3/21

Memo No. 73 /OCZMA

Dt 03.03.2021

Copy forwarded to Sri S.K. Srivastava, Director, National River Conservation Directorate (NRCD), Ministry of Jal Shakti, Department of Water Resources, Government of India for information.

Sone
SES (Lab)
[Signature]
17/3

[Signature]
Director, Environment-cum-
Special Secretary to Govt. and
Member Secretary, OCZMA

Memo No. 74 /OCZMA

Dt 03.03.2021

Copy forwarded to the Member Secretary, State Pollution Control Board, Odisha, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar-751012 for information.

ES (CRND)
[Signature]
18/3

[Signature]
Director, Environment-cum-
Special Secretary to Govt. and
Member Secretary, OCZMA

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

(https://www.youtube.com/channel/UCdsIrfFleJDBQHNPDK6q8YQ) | (https://www.instagram.com/namamiganga/) | Logout (logout.aspx?wind=logout) |

Welcome ODISHA | Change Password (PasswordChange.aspx) |



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)

ENTRY FORMS ▾

Grievance Report

Grievance Report

Grievance till Date: 0

Pending till Date: 0

Disposed till Date: 0

1. Within a month of receipt, States are requested to provide response to the grievance at their own end.
2. States to update the response status against the grievance in the Remarks column in order to dispose off the matter.
3. Grievance found to be inappropriate may be rejected by the States and remarks for the same may be submitted.
4. Status of grievances shall be made part of the quarterly submission to NGT by NMCG.

01/02/2021

* Date From (DD/MM/YYYY)

* Date To (DD/MM/YYYY)