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STATE POLLUTION CONTROL BOARD, ODISHA
[DEPARTMENT OF FOREST, ENVIRONMENT AND CLIMATE CHANGE,
GOVERNMENT OF ODISHA]

Paribesh Bhawan, A/118, Nilakantha Nagar, Unit - VIII

VISC(LEM)Proj-304 (Vol-III)/2022-23

Email : od-technical@nmcg.nic.in
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Date : 25.01.2023

No. 915

To

Executive Director, Technical
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 December - 2022 related to Control of River Pollution - Reg.

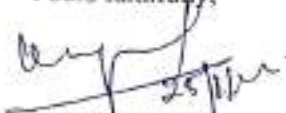
Ref: Email dtd. 08.10.2020

Sir,

In inviting reference to above subject, the Monthly Progress Report for the month of December, 2022 in the matter of O.A. 673 of 2018 is enclosed herewith for your kind information and necessary action

Encl : As above

Yours faithfully,

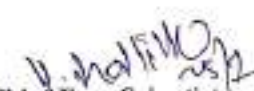

Member Secretary

Memo No. 916

Dt. 25.01.2023

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


Chief Env. Scientist

Memo No. 917

Dt. 25.01.2023

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

Encl : As above


Chief Env. Scientist

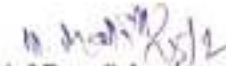
Contd.

Memo No. 915

Dt. 25.01.2023

Copy forwarded to the Engineer-in-Chief, Water Resource Department, Government of Odisha through mail (cic-wr.od@nic.in) for kind information.

Encl : As above

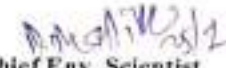

Chief Env. Scientist

Memo No. 919

Dt. 25.01.2023

Copy forwarded to the Joint Secretary to Govt. and Joint Mission Director, SBM, (Urban), Housing and Urban Development Department through mail (sanitationhud@gmail.com) for kind information.

Encl : As above


Chief Env. Scientist

Memo No. 920

Dt. 25.01.2023

Copy forwarded to the Member Secretary, Orissa Water Supply and Sewerage Board through mail (msowssb@gmail.com) for kind information.

Encl : As above

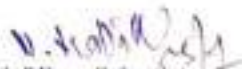

Chief Env. Scientist

Memo No. 921

Dt. 25.01.2023

Copy forwarded to Er. Mamata Patnaik, System Administrator, State Pollution Control Board, Odisha through mail (paribesh1@ospcbodisha.org) for information and taking action to upload the MPR in RRC website (www.rrcodisha.org)

Encl : As above


Chief Env. Scientist

National Mission for Clean Ganga

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

For the State of ODISHA for the month of December, 2022

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 :

Based on total water supply to 115 ULBs of the state which is 1100 MLD, wastewater generation has been calculated as 80% of the water supply which comes around 880 MLD.

However, considering that 41% of the population is concentrated around five large cities, Odisha has gone for underground sewer systems for only five large cities (Bhubaneswar, Cuttack, Sambalpur, Rourkela, Puri) and another town, Talcher.

Total Wastewater generation from these six areas is 302.01 MLD.

- (1. Bhubaneswar Municipal Corporation (114.97 MLD), 2. Cuttack Municipal Corporation (82.54 MLD), 3. Sambalpur Municipal Corporation (43.51 MLD), 4. Rourkela Municipal Corporation (35.65 MLD), Puri Municipality (20.05 MLD) and Talcher Municipality (5.29 MLD))

III Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 13 STPs : 370.50 MLD
 - STPs under Construction : Nil
 - Total Number of STPs and Treatment Capacity (in MLD): 13 STPs : 370.50 MLD
 - Capacity Utilization of existing STPs: 123.21 MLD
 - Sewage being treated through Alternate technology: [Faecal Sludge Treatment Plant (FSTP)]
 - Existing number of FSTPs and Treatment capacity : 108 FSTPs : 1847 KLD (1.847 MLD)
(Detail list enclosed at page 29)
 - FSTPs under construction : 11 FSTPs : 210 KLD (0.21 MLD)
 - Total number of FSTPs and Treatment capacity : 119 FSTPs : 2057 KLD (2.057 MLD)
 - (i) Total Wastewater generated in the State : 880 MLD
 - (ii) Capacity for treatment through 13 STPs : 370.50 MLD
 - (iii) Capacity for treatment through 119 FSTPs : 2.057 MLD
 - (iv) Total capacity for treatment through 13STPs and 119 FSTPs : 372.56 MLD
 - (v) Balance wastewater to be treated (i)-(iv) : 507.44 MLD
- Through Grey Water Management System (Now under piloting stage)

Time frame for completion of balance 11 SeTPs (FSTP) out of 119 SeTPs

- Time frame for completion of 6 SeTP (FSTP)- March, 2023 :
 1. Berhampur-II (60 KLD), 2. Dharamgarh (10 KLD), 3. Belaguntha (10 KLD),
 4. Koraput (10 KLD), 5. Banapur (10 KLD), 6. Bhuban (10 KLD), 7. Balugaon
 (10 KLD), 8. Burla (20 KLD), 9. Hirakud (20 KLD), 10. Jajpur (20 KLD (at revised
 location), 11. Remuna NAC (20 KLD) (newly created ULB)

- Gap in Treatment Capacity in MLD:

Total quantity of sewage generation from (Bhubaneswar, Cuttack, Sambalpur, Rourkela, and Puri) plus another town, Talcher is 302.01 MLD

Sewage treatment facility at various stages of operationalization for these six areas =
 13 Nos. of STPs with total installed capacity; 370.50 MLD

Gap in installed treatment capacity: 370.50-370.50 = 0 MLD

For the rest of 108 ULBs, the State has embarked on decentralized non sewerage approach for treating black water and greywater separately. The approach has been divided into two phases. First phase focused on achieving completing blackwater security through Faecal Septage Management. Next phase is focusing on treatment of greywater by pilot intervention in two ULBs at Jatani and Dhenkanal. Based on the learning from the pilot, the greywater management will be scaled up in all 115 ULBs.

- No. of Operational STPs: 12 STPs
 (1 STP of 33 MLD capacity at Mattagajpur, Cuttack is under shutdown as drainage network under JICA is under progress)
- No. of Complying STPs 12 STPs
- No. of Non-complying STPs : Nil
- No. of Under Construction STPs : Nil

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	17.35 MLD	O & M by OISIP, JICA, Cuttack	Running Smoothly
2	Mattagajpur	33 MLD	0	O & M by WATCO	STP is under shut down as drainage work is going on JICA project
3	Mattagajpur	16 MLD	2.70 MLD	O & M by OISIP, JICA, Cuttack	Running Smoothly
	Puri				
4	Mangalaghat	15 MLD	15 MLD	O & M by WATCO	Running Smoothly
5	Bankimuhan	5 MLD	5.05 MLD		Running Smoothly

	Talcher				
6	Mandapal	2 MLD	2 MLD	O & M by PHEO	Running Smoothly
	Bhubaneswar				
7	Meherpalli	56 MLD	14.00 MLD	O & M by WATCO	Operational since December, 2020
8	Basuaghai	28 MLD	16.00 MLD		
9	Kochilaput	43.5 MLD	10.50 MLD		
10	Paikarapur	8 MLD	8 MLD		
11	Rokat	48 MLD	3.91 MLD	JICA	Commissioned on 31.12.2022
	Rourkela				
12	Ruptala Balughat	40 MLD	3.70 MLD	Partly Commissioned since Feb, 2021 O & M by WATCO from June, 2022	Running Smoothly
	Sambalpur				
	Sambalpur	40 MLD	25 MLD	OWSSB	Commissioned during December, 2022
Total : 13 STPs		370.50 MLD	123.21 MLD		

Details of partly commissioned/ 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, Bhubaneswar	48	Commissioned on 31.12.2022	Total target is 36000 Nos.	Sewer Network : March, 2023; House Sewer Connection : March, 2023
		Meherpalli, Bhubaneswar	56	Commissioned	47.50 % (35747 out of 75269)*	House Sewer connection- December, 2022
		Basuaghai, Bhubaneswar	28		65% (24462 out of 37634)*	
		Kochilaput, Bhubaneswar	43.5		43.07 % (25187 out of 58468)*	March, 2023
		Paikarapur, Bhubaneswar	8		100 % (10753 out of 10753)*	Completed

* Number of house sewer connections have been revised and therefore % progress from August, 2022 is less than that reflected in July, 2022

2	2	Cuttack				
		Mattagajpur (ASP)	16	Commissioned since 01.3.2022	House sewer connection is under progress. After completion of all house sewer connections, wastewater will not be discharged to river Kathajodi	Sewer network : March, 2023 House Sewer connection-March, 2023
		CDA, Cuttack	36	Commissioned since 27.11.2019	40.12 % (17454/ 43500 Nos.)	House Sewer connection-March, 2023
3	1	Sambalpur	40	STP is commissioned during December, 2022 and treating around 25 MLD wastewater from Dhobijore nallah	0% (0/30,635 Nos.)	Sewer Network (part): March, 2023, House Sewer Connection (Part) : December, 2023
4	1	Rourkela	40	Commissioned since February, 2021	8.78 (1054/ 12000 Nos.)	Sewer network and House Sewer connection-December, 2022

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 sewer networks involve huge capital and O & M costs and public inconvenience, 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 115 ULBs of Odisha will be covered.

Financial implication for establishment / O&M of Septage Treatment Plants

Financial Year	Budgetary Provision under Urban Septage System (Rupees in Crore)
2020-21	150.00
2021-22	80.00
2022-23	70.00

(Information received from Housing and Urban Development Department , Govt. of Odisha has been attached as Annexure-1)

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

IV. Details of Industrial Pollution:

- Total Number of Industries : 7366
- No. of water polluting industries in the State: 1301
- Quantity of effluent generated from the industries in MLD: 808.1211 MLD
(For treatment)
- Quantity of Hazardous Sludge generated from the Industries in TPD : 141.9 TPD
- Number of industrial units having ETPs: 1261
- 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 : 1261 Numbers, 1030.1015 MLD
Under Construction : Nil
Proposed : Nil
Total : 1261 Numbers, 1030.1015 MLD
- Compliance status of the ETPs:
 - As per the frequency of inspection norms vide Office Order No. 1081 dated 31.01.2020, ETPs of 49 numbers of Industries have been inspected for compliance status during December, 2022. Out of these, 43 numbers of 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 41 number of units for not having ETPs.
 - During December, 2022, for non-compliance of ETP discharge norms, Show Cause Notice have been issued to 4 number of industries, Direction have been issued to one industry and action is pending against one industry.
- 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: 115 Urban Local Bodies
 - Total number of Urban Local Bodies:115
 - Population: 60,69,229 (as per 2011 census)
- Current Municipal Solid Waste Generation : 2270 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) and 1 Mechanical Composting Plant	251	1182.5	84 %
Materials Recovery Facility (MRF)	216	2220	47 %

- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)
 - ✓ Material Recovery facilities are designed for a higher capacity considering population forecast, optimal utilization of resources and to take care of the additional loads of dry waste from urban-rural convergence. Therefore, presently the processing facilities 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
2048	2035 (99%)	2035 (99%)

- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)
 - MSW processing facilities Proposed:
 - Composting Facility - Micro Composting Centre (MCC) : 278 Nos. (Capacity : 1296 TPD)
 - Material Recovery Facilities (MRF): 223 Nos. (Capacity: 2290 TPD)
 - MSW processing facilities Functional :
 - Composting Facility- Number of Functional Micro Composting Centre (MCC) : 251 Nos.(Capacity : 1182.5 TPD)
 - Number of Functional Material Recovery Facilities (MRF): 216 Nos. (Capacity: 2220 TPD)
 - MSW processing facilities Under Construction:
 - Composting Facility - Micro Composting Centres (MCC): 27 Nos. (Capacity : 113.5 TPD)
 - Material Recovery Facilities (MRF): 7 Nos. (Capacity: 70 TPD)
- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.
 - Garbage dumpsites: 76 numbers (371 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-1					

Financial Implication

Financial Year	Budgetary Provision (Rupees in Crore)
2019-20	90.00
2020-21	400.00
2021-22	215.00
2022-23	250.00

(Information received from Housing and Urban Development Department , Govt. of Odisha has been attached as Annexure-1)

VI. Bio-medical Waste Management:

- Total Bio-medical generation: 15303.76 Kg/Day (As per Annual Report, 2020 sent to CPCB) Besides these, 951024.776 Kg of Biomedical waste was generated during 2020.
- No. of Hospitals and Health Care Facilities: 3676 (As on December, 2020)
- Status of Treatment Facility/ CBMWTF: --

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

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

VII. Hazardous Waste Management:

- Total Hazardous Waste generation: 6,90,245.908 T /Annum
(out of which 6,34,982.861 T /Annum (@92%) is recyclable and utilizable hazardous wastes)
(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 : 366
- Treatment Capacity of all TSDFs : 2,14,810.340 T/ annum
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated : 55416.072 T/ annum.
- Details of on-going or proposed TSDF :
A common Hazardous waste Treatment, Storage and Disposal Facility (CHWTSDF) has been established during the financial year 2010-11 at Kanchichuan in Jajpur district of Odisha. The Facility is being operated by M/s Ramky Enviro Engineers Ltd, Hyderabad. So far, 179 nos. of Industries/ Mines have taken membership agreement with the CHWTSDF. Two more TSDFs are in proposal stage.
(i) Odisha Waste Management Project of M/s Re Sustainability Limited. Location of TSDF : Lakhanpur, Dist- Jharsuguda
(ii) Odisha Waste Management Project of M/s Re Sustainability Limited. Location of TSDF : Padampur, Gunupur, Rayagada

VIII. Plastic Waste Management:

- Total Plastic Waste generation: 136 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.

(Information received from Housing and Urban Development Department , Govt. of Odisha
- has been attached as Annexure-1)

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 which 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.

At present 1.847 KLD (1.847 MLD) septage is being treated through Septage Treatment Plants in 108 nos. of SeTPs in ULBs of the State against the 119 SeTPs. Balance 11 nos. of SeTPs (210 KLD) are under progress. Time Frame for completion of these 11 Nos. of SeTP are within March, 2023.

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

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:

Till date, Seven Review meetings of Environmental Monitoring Cell were held under the chairmanship of the Chief Secretary, Odisha on Dt. 13.11.2020, 19.02.2021, 29.4.2021, 15.07.2021, 18.01.202, 07.04.2022 and 18.11.2022.

(Minutes of 7th Review Meeting as received from Forest, Environment & Climate Change Department , Govt. of Odisha has been attached as Annexure-3)

Fourth meeting of River Rejuvenation Committee was held under the chairmanship of the Additional Chief Secretary, Forest, Environment and Climate Change Department, Govt. of Odisha on Dt. 07.9.2021.

(Minutes of 4th RRC Meeting as received from Forest, Environment and Climate Change Department , Govt. of Odisha has been attached as Annexure-4)

Two review meetings on Restoration of Daya river under the chairmanship of the Chief Secretary has been conducted on Dt. 30.4.2022 and Dt. 02.7.2022.

(Minutes of Review Meetings has been attached as Annexure-5 and 6)

XIII. 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-7.

Status of Polluted River stretches in the State of Odisha during the period 2017-2022 with maximum BOD values during the year (Upto December, 2022) is given as Annexure-8(a) and Summary of number of polluted river stretches under different category during the period 2017-2022 (upto December, 2022) is given as Annexure-8 (b).

Latest water quality of all river water quality monitoring stations (December, 2022) being monitored by the Board is given as Annexure-8 (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	Nil		Nil	
2021-22	Nil		Nil	
2022-23 (Upto December, 2022)	Taken up	Completed	Taken up	Completed
	300	0	5500	30

XVII. Ground Water Recharge

(i)	Through Wells (Recharge shaft on tanks and ponds)	2019-20	179 Nos. (completed)
		2020-21	65 nos. (completed)
		2021-22	280 nos. (completed)
		2022-23	822 nos taken up Completed upto 12/2022 : 360 Nos.
(ii)	Throgh Check Dams	Upto 03/2020	15604 Nos. in 30 districts (Completed since inception of the scheme in 2010-11)
		Upto 03/2021	15833 Nos. (completed)
		Upto 03/2022	15867 Nos. (completed)
		Upto 12/2022	15868 Nos (completed)

XVII. Demarcation of Floodplain and removal of illegal encroachments:

Out of 9 Nos. of polluted river stretches, in Gangua nallah (Priority No.-1), a proposal for construction of across 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 Kuakhai river (Approximately 30% of flood water) through Budhi nallah 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 nallah to be executed by DOWR. The work is under progress.

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

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).

XX. Development of biodiversity park:

Setting up of Bio-diversity parks will be taken up with the help of Forest and Environment Department.

(Information received for Item No. XIV to XX from Dept. of Water Resources, Govt. of Odisha has been attached as Annexure-9 and Annexure-10)

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 have been attached as Annexure-11)

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

As per BOD, maximum during December-2022, river water quality status as given in Annexure-7(b), number of priority-wise polluted river stretches is :

Priority-I: Nil,
Priority-II: Nil,
Priority-III: One
Priority-IV: One,
Priority-V: Five;

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”. CPCB approved Action plan for the Polluted river stretch of Kathajodi river and Serua river along Cuttack stretch vide letter No. may be downloaded from the weblink (<https://www.rrcodisha.org/wp-content/uploads/2020/08/Action-pPlan-for-Kathajodi-river-JULY-20.pdf>).

(Information received from Orissa Water Supply and Sewerage Board has been attached as Annexure-12)

Action taken by Odisha Government for restoration of the polluted river stretch of river Kathajodi and present status of water quality of Kathajodi river is enclosed at Annexure-13.

XXIII. Status of Preparation of Action Plan by the 13 Coastal States:

State Pollution Control Board, Odisha has submitted the “Draft Action Plan to control marine pollution in 480 Km coastline in Odisha” to CPCB through email on Dt. 10.06.2022 for views. Board has received comment from CPCB vide letter No. 4887 dated 03.10.2022 on the draft Action Plan. Board has sent reminders to the different stakeholders to submit the compliances on the comments of the CPCB on draft action plan. The compiled report will be sent soon after the receipt of compliances from the stakeholders.

(Copy of CPCB letter and reminders have been attached as Annexure-14)

XXIV. Regulation of Mining Activities in the State/UT: Enclosed as Annexure-15.

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

- As per the frequency of inspection norms vide Office Order No. 1081 dated 31.01.2020, ETPs of 49 numbers of Industries have been inspected for compliance status during December, 2022. Out of these, 43 numbers of 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 41 number of units for not having ETPs.

During December, 2022, for non-compliance of ETP discharge norms, Show Cause Notice have been issued to 4 number of industries, Direction have been issued to one industry and action is pending against one industry.

- XXVI.** In compliance to the Grievance redressal portal of National Mission for Clean Ganga in the on-going NGT matter of 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 in the month of December, 2022. Extract of the Grievance report for the period 01.12.2022 to 31.12.2022 downloaded from the portal is given as Annexure-16.



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.: 1419 Date: 18.01.2023

From

Pravat Kumar Mohapatra, OAS
Additional Secretary to Government &
Additional Mission Director, SBM (Urban)

To

The Member Secretary,
State Pollution Control Board, Odisha, Bhubaneswar
[Email: paribesh1@ospcboard.org , urpatnalk@ospcboard.org]

Sub: Submission of Monthly Progress Report for December, 2022 in prescribed format in compliance to 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 the Monthly Progress Report [MPR] for the month of December, 2022 in the revised format for onward transmission to the Central Pollution Control Board (CPCB), New Delhi and Secretary, Ministry of Jal Shakti in compliance to Order Dated 06.12.2019 of the Hon'ble NGT passed in O.A. No. 673/2018.

Yours faithfully,

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

Memo No. 1420 /HUD, Date: 18.01.2023

Copy along with copy of the enclosures forwarded to the Director, Environment, Forest & Environment Department/ Engineer-In-Chief, OWSSB /

Managing Director, WATCO / Team Leader, TSU-FSSM/ M&E Expert, PMU, SBM (Urban) for information & necessary action.

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



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

MPR FOR THE MONTH OF DECEMBER-2022

V. Solid Waste Management:

- Total number of Urban Local Bodies and their Population
- Total number of Urban Local Bodies:115
- Population: 60,69,229(as per 2011 census)
- Current Municipal Solid Waste Generation: 2,270 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 (Functional):

Type of Processing Facility	Numbers	Installed Capacity (in TPD)	Utilization
Compost Plant – Micro Composting Centre (MCC) & 1(One) Mechanical Composting Plant	251	1,182.5	84%
Materials Recovery Facility (MRF)	216	2,220	47%

- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%):
- Material Recovery Facilities are designed for a higher capacity considering population forecast, optimal utilization of resources and to take care of the additional loads of dry waste from urban-rural convergence. Therefore, presently the processing facilities 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
2055	2035 (99%)	2035 (99%)

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

MSW processing facilities Proposed (Target):

- Composting Facility - Micro Composting Center (MCC): 278 Nos. (Capacity:1,296 TPD)
- Material Recovery Facilities (MRF): 223 Nos. (Capacity:2,290 TPD)

MSW processing facilities Functional:

- Composting Facility - Number of Functional Compost Plants: 251 Nos. (Capacity: 1,182.5 TPD)
- Number of Functional Material Recovery Facilities (MRF): 216 Nos. (Capacity: 2,220 TPD)

MSW processing facilities Under Construction/To be functional

- Composting Facility - Micro Composting Centers (MCC): 27 Nos. (Capacity: 113.5 TPD)
- Material Recovery Facilities (MRF): 7 Nos. (Capacity: 70 TPD)
- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.
- Garbage dumpsites: 76 numbers (371 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

Financial Implication

Financial Year	Budgetary Provision (Rupees in Crore)
2019-20	90.00
2020-21	400.00
2021-22	215.00
2022-23	250.00

Status of ULB wise Management of Solid Waste

VIII. Plastic Waste Management:

- Total Plastic Waste generation:136 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 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 as %		Under Construction/ To be functional MSW Facilities in TPD		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)	8.08	7.4	8.08	7.4	10	20	81%	37%	0	0	
2	Angul (M)	8.84	8.03	8.84	8.03	12	30	74%	27%	0	0	
3	Asika (NAC)	4.2	3.48	4.2	3.48	10	20	42%	17%	0	0	
4	Athagad (NAC)	3	2.71	3	2.71	3.5	10	89%	27%	2	0	31-03-2023
5	Athmalik (NAC)	2.16	2	2.16	2	5	10	43%	20%	0	0	
6	Attabira NAC	2.76	2.67	2.76	2.67	5	20	55%	13%	0	0	
7	Balangir (M)	16.47	15	15	15	15	30	100%	50%	0	0	
8	Balasore (M)	20.28	18.28	20	18.28	20	40	100%	46%	0	0	
9	Belimela (NAC)	2.03	1.95	2.03	1.95	4	10	51%	20%	0	0	
10	Baliguda NAC	3.37	2.99	2	2.99	2	10	100%	30%	0	0	
11	Balugaon (NAC)	3.06	3.02	3	3.02	3	10	100%	30%	0	0	
12	Banki (NAC)	3.01	2.86	3.01	2.86	4	10	75%	29%	0	0	
13	Banpur (NAC)	3.08	2.82	3	2.82	3	10	100%	28%	0	0	
14	Barbil (M)	11.6	10.68	11.6	10.68	15	30	77%	36%	0	0	
15	Bargarh (M)	15	15.09	15	15.09	15	30	100%	50%	0	0	
16	Baripada (M)	22.74	16.65	22.74	16.65	25	60	91%	28%	5	0	31-03-2023
17	Barpali (NAC)	4.24	3.29	4.24	3.29	8	20	71%	16%	0	0	
18	Basudebpur (M)	6.66	5.7	6.66	5.7	10	10	67%	57%	0	0	
19	Bellaguntha (NAC)	1.97	1.84	1.97	1.84	5	10	39%	18%	0	0	
20	Belpahar (M)	6.5	6.37	5	6.37	5	10	100%	64%	0	0	
21	Berhampur (MC)	60	70	80	70	61	70	99%	100%	0	0	
22	Bhadrak (M)	18.36	17.44	8	17.44	8	20	100%	87%	0	0	
23	Bhanjanagar NAC	3.61	3.21	3.61	3.21	5	10	72%	32%	0	0	
24	Bhawaniapatna (M)	11.78	11.19	10	11.19	10	30	100%	37%	4	0	31-03-2023
25	Bhuban (NAC)	3.99	3.76	3.99	3.76	6	20	67%	19%	0	0	
26	Bhubaneswar (MC)	194.52	190.07	170	190.07	170	200	100%	95%	40	40	31-03-2023
27	Bijepur (NAC)	2.05	1.95	2	1.95	2	20	100%	10%	0	0	
28	Binika (NAC)	2.83	2.68	2.83	2.68	3	10	94%	27%	0	0	
29	Biramitrapur (M)	5.71	5.46	5	5.46	5	10	100%	56%	0	0	
30	Boudhgarh (NAC)	3.45	3.23	3.45	3.23	5	10	69%	32%	0	0	
31	Brajarajnagar (M)	13.38	12.61	10	12.61	10	20	100%	63%	0	0	
32	Buguda (NAC)	2.71	2.58	2.71	2.58	5	10	54%	26%	0	0	
33	Bysanagar (M)	8.11	7.95	8.11	7.95	10	20	81%	40%	0	0	
34	Champur NAC	3.06	2.84	3.06	2.84	5	10	61%	28%	0	0	
35	Chandbali (NAC)	4.78	4.34	4.5	4.34	4.5	30	100%	14%	0	0	
36	Chhatrapur (NAC)	3.9	3.56	3.9	3.56	15	30	26%	12%	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 as %		Under Construction/ To be functional MSW Facilities in TPD		Completion Timeline
		Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	
37	Chikiti (NAC)	2.08	1.8	2.08	1.8	5	10	42%	18%	0	0	
38	Choudwar (M)	7.46	6.77	6	6.77	6	30	100%	23%	0	0	
39	Cuttack (MC)	119.74	141.12	60	70	60	70	100%	100%	20	10	31-03-2023
40	Daspalla NAC	3.28	2.92	3.28	2.92	5	10	66%	29%	0	0	
41	Deogarh (M)	3.82	3.49	3.82	3.49	5	10	76%	35%	0	0	
42	Dhamnagar (NAC)	3.96	3.67	3.96	3.67	4	10	99%	37%	0	0	
43	Dhamagarh NAC	2.96	2.7	2.96	2.7	3	10	98%	27%	0	0	
44	Dhenkanal (M)	12	10.52	12	10.52	13.5	30	89%	35%	0	0	
45	Digapahandi (NAC)	2.53	2.43	2.53	2.43	5	10	51%	24%	0	0	
46	G. Udayagiri (NAC)	2.16	2.12	2.16	2.12	3	10	72%	21%	0	0	
47	Ganjam (NAC)	2.17	2.02	2.17	2.02	5	10	43%	20%	0	0	
48	Gopalpur (NAC)	1.37	1.34	1.37	1.34	5	10	27%	13%	0	0	
49	Gudari (NAC)	1.31	1.31	1.31	1.31	2	10	66%	13%	0	0	
50	Gunupur (M)	4.96	4.61	4.96	4.61	10	10	50%	46%	0	0	
51	Hindol NAC	3.49	2.78	2	2.78	2	10	100%	28%	0	0	
52	Hinjilicut (M)	4.1	4.74	4.1	4.74	10	20	41%	24%	0	0	
53	Jagatsinghpur (M)	5.82	5.35	5	5.35	5	10	100%	54%	0	0	
54	Jajpur (M)	6.49	6	6.49	6	10	20	65%	30%	0	0	
55	Jaleswar (M)	4.31	4.11	4.31	4.11	5	10	86%	41%	0	0	
56	Jatani (M)	9.48	8.65	9.48	8.65	10	10	95%	87%	0	0	
57	Jeyapore (M)	15	13.41	15	13.41	20	30	75%	45%	0	0	
58	Jharsuguda (M)	16.84	15.38	10	15.38	10	20	100%	77%	5	0	31-03-2023
59	Joda (M)	8.5	7.2	8.5	7.2	10	20	95%	36%	0	0	
60	Junagarh (NAC)	3.42	3.28	3.42	3.28	5	10	68%	33%	0	0	
61	Kabisuryanagar (NAC)	2.98	2.83	2.98	2.83	5	10	60%	28%	0	0	
62	Kamakshyanagar (NAC)	3	3	3	3	3	10	100%	30%	0	0	
63	Kantabanji (NAC)	3.74	3.67	3.74	3.67	5	10	75%	37%	0	0	
64	Karanja (NAC)	3.85	3.68	3.85	3.68	6	20	64%	18%	0	0	
65	Kashinagar (NAC)	1.78	1.7	1.78	1.7	3	10	59%	17%	3	0	31-03-2023
66	Kendrapara (M)	7.98	7.68	7.98	7.68	8	20	100%	38%	0	0	
67	Keonjharagarh (M)	11.97	9.8	11.97	9.8	15	20	80%	49%	0	0	
68	Kesinga (NAC)	3.29	3.01	3.29	3.01	5	10	66%	30%	0	0	
69	Khalikote (NAC)	2.55	2.16	2.55	2.16	5	10	51%	22%	0	0	
70	Khandapada (NAC)	1.63	1.53	1.63	1.53	5	10	33%	15%	0	0	
71	Kharlar (NAC)	2.67	2.51	2.67	2.51	3	10	89%	25%	0	0	
72	Kharlar Road (NAC)	3.27	3.15	3	3.15	3	10	100%	32%	0	0	
73	Khordha (M)	8.02	7.52	5	7.52	5	10	100%	75%	5	0	31-03-2023
74	Kodala (NAC)	2.46	2.22	2.46	2.22	5	10	49%	22%	0	0	
75	Konark (NAC)	2.95	3.1	2.95	3.1	3	20	98%	16%	2	10	31-03-2023
76	Koraput (M)	7.89	7.48	7.89	7.48	10	20	79%	37%	0	0	
77	Kotpad (NAC)	2.88	2.6	2.88	2.6	10	20	29%	13%	0	0	
78	Kuchinda (NAC)	2.97	2.64	2.97	2.64	3	10	99%	25%	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 as %		Under Construction/ To be functional MSW Facilities in TPD		Completion Timeline
		Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	
79	Malkangiri (M)	5.43	5	5.43	5	8	10	68%	50%	0	0	
80	Nabarangapur (M)	4.93	4.71	4.93	4.71	5	10	98%	47%	0	0	
81	Nayagarh (M)	3.29	3.25	3.29	3.25	5	10	66%	33%	0	0	
82	Nilgiri (NAC)	3.15	2.83	3.15	2.83	4	10	79%	28%	0	0	
83	Nimapara (NAC)	3.34	3.17	2	3.17	2	10	100%	32%	3	0	31-03-2023
84	Nuapada NAC	2.93	2.77	2.93	2.77	5	10	59%	28%	0	0	
85	Odagaon (NAC)	2.1	2.06	2.1	2.06	5	10	42%	21%	0	0	
86	Padmapur NAC	3.11	3	3.11	3	6	30	52%	10%	0	0	
87	Paradeep (M)	11.27	10.54	11.27	10.54	12	20	94%	53%	0	0	
88	Paralakhemundi (M)	9.16	7.19	9.16	7.19	11	20	83%	36%	0	0	
89	Patnagarh (NAC)	3.69	3.44	3.69	3.44	5	10	74%	34%	0	0	
90	Pattamundai (M)	6.75	5.97	6.75	5.97	10	20	68%	30%	0	0	
91	Phulabani (M)	6.43	5.91	6.43	5.91	8	20	80%	30%	0	0	
92	Pipli (NAC)	2.96	2.92	2.96	2.92	3	10	99%	29%	0	0	
93	Polasara (NAC)	4.06	3.76	4.06	3.76	5	10	81%	38%	0	0	
94	Puri (M)	35	32.2	35	32.2	45	60	78%	54%	5	0	31-03-2023
95	Purusottampur (NAC)	2.77	2.59	2.77	2.59	5	10	55%	28%	0	0	
96	Rairangpur (M)	4.45	4.29	4.45	4.29	10	20	45%	21%	0	0	
97	Rajagangapur (M)	8.8	10	5	10	5	10	100%	100%	5	0	31-03-2023
98	Rambha (NAC)	2.35	2.35	2.35	2.35	5	10	47%	24%	0	0	
99	RANPUR NAC	2.54	2.44	2.54	2.44	3	10	85%	24%	0	0	
100	Raurkela (MC)	59.89	55.58	40	55.58	40	80	100%	69%	0	0	
101	Rayagada (M)	11.71	11.18	11.71	11.18	15	20	78%	56%	0	0	
102	Redhakhori (NAC)	2.74	2.56	2.74	2.56	3	10	91%	26%	0	0	
103	Remuna (NAC)	5.48	5.23	0	0	0	0	0%	0%	0	0	
104	Sambalpur (MC)	66.64	61.96	45	61.96	45	80	100%	77%	10	10	31-03-2023
105	Sonepur (M)	4.03	3.84	4.03	3.84	5	10	81%	38%	0	0	
106	Soro (M)	5.59	5.07	5	5.07	5	10	100%	51%	0	0	
107	Sunabeda (M)	8.28	8.01	8.28	8.01	10	20	83%	40%	0	0	
108	Sundargarh (M)	7.78	7.01	7.78	7.01	10	20	78%	35%	5	0	31-03-2023
109	Surada (NAC)	2.58	2.43	2.58	2.43	5	10	62%	24%	0	0	
110	Talcher (M)	7.5	6.64	7.5	6.64	10	20	75%	33%	0	0	
111	Tarbiha (NAC)	1.7	1.52	1.7	1.52	5	10	34%	15%	0	0	
112	Titlagarh (M)	5.5	5	5	5	5	10	100%	50%	0	0	
113	Tusara NAC	2	1.78	2	1.78	5	10	40%	18%	0	0	
114	Udala (NAC)	2.29	2.22	2.29	2.22	5	10	46%	22%	0	0	
115	Umerkote (M)	4.84	4.68	4.84	4.68	5	10	97%	47%	0	0	
Total:		1,161.47	1,108.68	988.75	1,032.33	1,182.5	2,220	84%	47%	114	70	

National Mission for Clean Ganga
Monthly Progress Report for the month of December, 2022 for the State of
Odisha

[Format for submission of monthly progress report in compliance to order dated
06.12.2019 in OA No. 673 of 2018 before the Hon'ble NGT]

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 :

Based on total water supply to 115 ULBs of the state which is approximately 1100 MLD, wastewater generation has been calculated as 80% of the water supply which comes around 880 MLD.

However, considering that 41% of the population is concentrated around five large cities, Odisha has gone for underground sewer systems for only five large cities (Bhubaneswar, Cuttack, Sambalpur, Rourkela, Puri) and another town, Talcher.

Total Wastewater generation from these six ULBs is 302.01 MLD.[1. Bhubaneswar Municipal Corporation (114.97 MLD), 2. Cuttack Municipal Corporation (82.54 MLD), 3. Sambalpur Municipal Corporation (43.51 MLD), 4. Rourkela Municipal Corporation (35.65 MLD), 5. Puri(M) (20.05 MLD) and Talcher(M) (5.29 MLD)].

III. Details of Sewage Treatment Plant

- Existing No. of STPs and Treatment Capacity (in MLD) : 13 STPs : 370.50 MLD
- STP under construction : Nil
- Total number of STPs and Treatment Capacity (in MLD) : 13 STPs : 370.50 MLD
- Capacity Utilization of Existing STPs : 123.21 MLD
- Sewage being treated through alternative technology: [Faecal Sludge Treatment Plant]
- Existing number of FSTPs and Treatment Capacity : 108 FSTPs : 1847 KLD (1.847 MLD)
- FSTPs under construction : 11 FSTPs : 210 KLD (0.21 MLD)
- Total number of FSTPs and Treatment Capacity : 119 STPs : 2057.00 KLD (2.057 MLD)

- i. Total wastewater generated in the state : 880 MLD
- ii. Capacity for treatment through 13 STPs : 370.50 MLD
- iii. Capacity for treatment through 13 STPs

and 119 FSTPs

: 372.56 MLD

iv. Balance wastewater to be treated [(i)-iv)] : 507.44 MLD

Through Grey Water Management System

(Now under piloting stage)

- Time frame for completion of balance 11 nos. SeTPs out of total 119 nos. - March 2023

1. Berhampur-II (60 KLD), 2. Dharamgarh (10 KLD), 3. Belagantha (10 KLD), 4. Koraput (20 KLD), 5. Banapur (10 KLD), 6. Bhuban (10 KLD) 7. Balagaon (10 KLD), 8. Burla (20 KLD), 9. Hirakud (20 KLD), 10. Jajpur (20 KLD) (at revised location) 11. Remuna (20 KLD) (Newly created ULB).

- Gap in Treatment Capacity in MLD :

Total quantity of sewage generation from Bhubaneswar, Cuttack, Sambalpur, Rourkela, Puri and Talcher is 302.01 MLD Sewage treatment facility at various stages of operationalization for these six ULBs areas = 13 Nos. of STPs with total installed capacity : 370.50 MLD.

Gap in completion of treatment capacity : $370.50 - 282.50 = 88.00$ MLD

For the rest of 109 ULBs, the State has embarked on decentralized non sewerage approach for treating black water and greywater separately. The approach has been divided into two phases. First phase focused on achieving completing black water security through Faecal sludge & Septage Management. Next phase is focusing on treatment of greywater by pilot intervention in two ULBs at Jatni and Dhenkanal. Based on the learning from the pilot projects, the greywater management will be scaled up in all 110 ULBs, except Puri, Bhubaneswar, Cuttack, Sambalpur & Rourkela where STP construction either completed or under progress.

- No. of Operational STPs : 12 STPs (1 No. STP at Matagaipur, CTC is under shut

down as drainage work is going on under JICA project).

- No. of Complying STPs : 12 STPs
- No. of non-complying STPs : Nil
- No. of under construction STP : 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	14.00	O&M by WATCO	Operational since Dec.2020
	1	Basuaghai	28	16.00		-do-
	1	Kochilaput	43.50	10.50		-do-
	1	Puikarapur	8	8		-do-
	1	Rokat	48	3.91	JICA	Commissioned on 31.12.2022
2		Cuttack				
	1	Matgajpur (Stabilisation pond)	33	0	-	(STP is under shut down as drainage work is going on under JICA project)
	1	CDA	36	17.35	O&M by OISIP, JICA, Cuttack	Running smoothly
	1	Matgajpur (ASP)	16	2.70	-do-	-do-
3		Puri				
	1	Mangalaghat	15	15	O&M by WATCO	Running smoothly
	1	Bankimuhan,	5	5.05		
4	1	Talcher, Mandapal	2	2	O&M by PHEO	-do-
5	1	Rourkela	40	3.70	Partly commissioned since Feb-2021 (O&M by WATCO from June-2022)	-do-
6	1	Sambalpur	40	25	OWSSB	Interception & diversion (I&D) of Dhubijore Nallah
Total	13		370.50	123.21		

Details of partly commissioned/ 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
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1	5	Bhubaneswar					
		Rokat	48	Commissioned on 31.12.2022	(Total target is 36000Nos)	Network : March 2023, House sewer connection : March,2023.	
		Meherpalli	56		47.50% (35747 out of 75269)	House Sewer Connections (HSC):Dec.- 2022.	
		Basuaghai	28			65% (24462 out of 37634)	-do-
		Kochilaput	43.5			43.07% (25187 out of 58468)	March-2023
		Paikarapur	8			100% (10753 out of 10753)	Completed.
2		Cuttack					
	1	Matgajpur (ASP)	16	Commissioned since 01.03.2022	STP is commissioned, house connection is under progress, after completion of all the house connection the wastewater will not be discharged to the river Kathajori.	Sewer Network : March 2023. House Sewer Connection – March-2023	
	1	CDA	36	Commissioned since 27.11.2019	40.12 % (17454 out of target of 43500 nos.)	House Sewer Connection – March-2023	
3	1	Sambalpur	40	STP is commissioned during Dec.2022 and treating around 25 MLD of wastewater from Dhobijore Nallah	(0 out of target of 30635 Nos)	Network (part): March,2023. House Sewer Connection (Part) – Dec.-2023	
4	1	Rourkela	40	Commissioned since Feb. 2021	1054 out of target of 12000 nos. (8.78%)	Sewer network& House Sewer Connection : Dec.-2022	

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in	Status of Project (at DPR Stage/ Under Tendering/	Likely Date of Completion
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	MLD	Work to be Awarded)	
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 115 ULBs of Odisha will be covered, out of which 108 nos. SeTP constructed in 107 ULBs and 11 no.s is under progress which will cover rest 8 no.s ULBs.			

Financial Implication for establishment / O&M of Septage Treatment Plants

Financial Year	Budgetary Provision under Urban Septage System (Rupees in Crore)
2020-21	150.00
2021-22	80.00
2022-23	70.00



Orissa Water Supply & Sewerage Board

(A Govt. of Odisha Undertaking)

Satyanagar, Bhubaneswar-751007 Phone: (0674)2571185

Email elcowssb@gmail.com

No. 4238 /dt. 12.12.2022
W-02/2021

To

The Director, Environment-cum-Special Secretary to Govt.,
Forest, Environment & Climate Change Department
Odisha, Bhubaneswar

Sub.: Furnishing progress report for the month of November, 2022 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

Ref.: Letter No. 16246 dt. 13.09.2021 of F & E Deptt.

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 November, 2022 are furnished herewith for information & necessary action.

Encl.: As above.

Yours faithfully,

Engineer-in-Chief, OWSSB

Memo No. 4239 /dt. 12.12.2022

Copy with copy of enclosures forwarded to the Special Secretary to Govt., H & UD Deptt. (Sanitation Section)/ Member Secretary, State Pollution Control Board, Bhubaneswar for information and necessary action.

Encl.: As above.

Engineer-in-Chief, OWSSB

Memo No. 4240 /dt. 12.12.2022

Copy with copy of enclosures forwarded to the Engineer-in-Chief, OISIP, JICA, Cuttack for information and necessary action.

Encl.: As above.

Engineer-in-Chief, OWSSB

Memo No. 4241 /dt. 12.12.2022

Copy with copy of enclosures forwarded to the CEO, WATCO, Bhubaneswar for information and necessary action. As no report for the month of October & November-2022 has been received by this office till date, the figures related to WATCO areas has been considered as per report for the month of September-2022. It is requested to submit the required information related to NGT matters preferably in the 1st week of every month for compliance & onwards transmission.

Encl.: As above.

Engineer-in-Chief, OWSSB

OA Nos 593, 606 & 673 forw.lett

[P.T.O]

Memo No. ^{PHD} 4242/dt. 12.12.2022

Copy with copy of enclosures forwarded to the Project Engineer (Septage), OWSSB, Bhubaneswar for information and necessary action. It is requested to submit the required information regarding Septage management related to NGT matters preferably in the 1st week of every month for compliance & onwards transmission.

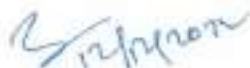
Encl.: As above.


Engineer-in-Chief, OWSSB

Memo No. ^{PHD} 4243/dt. 12.12.2022

Copy with copy of enclosures submitted to the Engineer-in-Chief (PH), Odisha, Bhubaneswar for information and necessary action. It is requested to furnish the required information to this office regarding STP at Talcher related to NGT matters preferably in the 1st week of every month for compliance & onwards transmission.

Encl.: As above.


Engineer-in-Chief, OWSSB

INFORMATION ON STATUS OF STPs (OPERATIONAL & UNDER CONSTRUCTION)

As on November-2022

Sl.	City/Town	No. of STP	Location of each STP	Coordinates of STP (Latitude & Longitude)	STP Commissioned In (Year)/ To be commissioned	Status (Operational/ Non-operational/ Under Construction)	STP Installed Capacity (in MLD)	Technology (UASB/ ASP/OP/ SBR/MBR/ FAB Etc)
1	2	3	4	5	6	7	8	9
1	Bhubaneswar	1	Rokat	20.33° 85.84°	December-2022 (To be commissioned)	Under Construction by O&M, JICA	48	ASP
		1	Meherpalli	20.26° 85.88°	Partly commissioned during Dec.-2020	Operational by WATCO	56	SBR
		1	Basughai	20.233° 85.85°	Partly commissioned during Dec.-2020	Operational by WATCO	28	SBR
		1	Kochileput	20.21° 85.80°	Partly commissioned during Dec.-2020	Operational by WATCO	43.5	SBR
		1	Pakrapur	20.26° 85.75°	Partly commissioned during Dec.-2020	Operational by WATCO	8	SBR
2	Cuttack	1	Matigapur	20.43° 85.91°	Commissioned since 01.03.2022	Operational by O&M, JICA	36	ASP
		1	CDA	20.46° 85.85°	Dec.-2018	Operational by O&M, JICA	36	ASP
		1	Matigapur	20.42° 85.93°	June-2008	Non-operational (STP is under shut down as drainage work is going on under JICA project)	33	Waste Stabilization Pond
3	Puri	1	Mangalaghat	19.81° 85.75°	June-2013	Operational O&M by WATCO	15	Aerated Lagoon
		1	Berikimuhan	19.79° 85.83°	Feb., 1995	Operational O&M by WATCO	5.05	Waste Stabilization Pond
4	Sambalpur	1	Dhampur	21.43° 85.96°	Trial run is going on	Under trial run by O&M, JICA	40	SBR
5	Korukela	1	Solughat	21.21° 84.80°	Partly commissioned during Feb.-2021	Operational O&M by WATCO	40	SBR
6	Talcher	1	Mandapal	20.35° 85.24°	Feb.-2018	Operational O&M by PHED	2	Waste Stabilization Pond
Total capacity		13				Operational- 10 nos, Under progress- 2 nos, Shut down- 1 no.	370.35	

**Status of Operational/ongoing Septage Treatment Plants
(As on November, 2022)**

Sl. No.	Name of the ULBs	Capacity of SeTP (In KLD)	Remarks
1	Bhubaneswar	75	Operational
2	Berhampur	40	Operational
3	Cuttack	60	Operational
4	Rourkela	40	Operational
5	Sambalpur	20	Operational
6	Baripada	50	Operational
7	Balasore	60	Operational
8	Puri	50	Operational
9	Angul	18	Operational
10	Dhenkanal	27	Operational
11	Choudwar	12	Operational
12	Khordha	20	Operational
13	Jatani	20	Operational
14	Bhubaneswar-II	75	Operational
15	Kashinagar	10	Operational
16	Paralakhemundi	20	Operational
17	Aska	10	Operational
18	Sorada	10	Operational
19	Nilagiri	10	Operational
20	Sonepur	10	Operational
21	Bhadrak	30	Operational
22	Paradeep	20	Operational
23	Banki	10	Operational
24	Jharsuguda	40	Operational
25	Barbil	20	Operational
26	Joda	20	Operational
27	Deogarh	10	Operational
28	Kesinga	10	Operational
29	Balangir	30	Operational
30	Kuchinda	10	Operational
31	Rayagada	30	Operational
32	Odogaon	10	Operational
33	Kharlar	10	Operational
34	Belapahar	10	Operational
35	Patanagarh	10	Operational
36	Talcher	20	Operational
37	Sundargarh	20	Operational
38	Hinjilicut	10	Operational

Status of Operational SeTP

Sel. No.	Name of the ULBs	Capacity of SeTP (In KLD)	Remarks
39	Kamakhyanagar	10	Operational
40	Dasapalla	10	Operational
41	Khandapada	10	Operational
42	Malakanagiri	20	Operational
43	Brajaraj Nagar	30	Operational
44	Karanja	10	Operational
45	Gunupur	10	Operational
46	G.Udayagiri	10	Operational
47	Purusotampur	10	Operational
48	Rairangpur	10	Operational
49	Baliguda	10	Operational
50	Bhawanipatna	20	Operational
51	Khariar Road	10	Operational
52	Bargarh	30	Operational
53	Patamundai	10	Operational
54	Jeypore	40	Operational
55	Tarabha	10	Operational
56	Phulbani	20	Operational
57	Nimapada	10	Operational
58	Nawarangpur	20	Operational
59	Bijepur	10	Operational
60	Binika	10	Operational
61	Junagarh	10	Operational
62	Kotapad	10	Operational
63	Jagatsinghpur	20	Operational
64	Hindol	10	Operational
65	Biramitrapur	10	Operational
66	Athagarh	10	Operational
67	Gudari	10	Operational
68	Vyasanagar	30	Operational
69	Sore	10	Operational
70	Digpahandi	10	Operational
71	Rajgangpur	20	Operational
72	Khalikote	10	Operational
73	Nayagarh	10	Operational
74	Bhanjanagar	10	Operational
75	Chhatrapur	10	Operational
76	Anandpur	10	Operational
77	Barpali	10	Operational
78	Athamalik	10	Operational

Status of Operational SeTP

Sal. No.	Name of the ULBs	Capacity of SeTP (In KLD)	Remarks
79	Rerakhoh	10	Operational
80	Tusura	10	Operational
81	Padampur	10	Operational
82	Nuapada	10	Operational
83	Titilagarh	10	Operational
84	Rambha	10	Operational
85	Ganjam	10	Operational
86	Kantabanjhi	10	Operational
87	Sunabeda	20	Operational
88	Balimela	10	Operational
89	Champua	10	Operational
90	Boudhgarh	10	Operational
91	Gopalpur	10	Operational
92	Atabira	10	Operational
93	Chikiti	10	Operational
94	Basudevpur	10	Operational
95	Rangpur	10	Operational
96	Kendrapara	20	Operational
97	Dhamnagar	10	Operational
98	Buguda	10	Operational
99	Konark	10	Operational
100	Kabisuryanagar	10	Operational
101	Kodala	10	Operational
102	Keonjhar	30	Operational
103	Pipili	10	Operational
104	Umerkote	10	Operational
105	Polasara	10	Operational
106	Chandabali	10	Operational
107	Udala	10	Operational
108	Jaleswar	10	Operational
	Total	1847	Operational

Status of Operational SeTP

By E-Mail

**GOVERNMENT OF ODISHA
FOREST, ENVIRONMENT & CLIMATE CHANGE DEPARTMENT**

No. FE-ENV1-ENV-0005-2020/ 21185 /FE&CC, Dt. 29.11.22

From

Dr. K. Murugesan, IFS
Director, Environment-cum-Special Secretary to Govt.

To

The Additional Chief Secretary to Govt., Department of Water Resources
The Principal Secretary to Govt., Panchayati Raj & Drinking Water Department
The Principal Secretary to Govt., Housing & Urban Development Department
The Principal Secretary, Works Department
The Principal Secretary, Industries Department
The Principal Secretary, MSME Department
The Principal Secretary, RD Department
The Commissioner-cum-Secretary to Govt., Health & Family Welfare Department
The Commissioner-cum-Secretary to Govt., Labour & ESI Department
The Commissioner-cum-Secretary to Govt., Fishery & ARD Department
The Director, Municipal Administration, H&UD Department
The Director of Industries, Odisha, Cuttack
The Director of Mines & Geology, Govt. of Odisha, Bhubaneswar
The Director, Public Health, Health & Family Welfare Department
The Director of Factories & Boilers, Unit-3, Bhubaneswar
The Chief Engineer, HH, GIS & CEM, Secha Sadan, Bhubaneswar
The Member Secretary, Odisha Water Supply and Sewerage Board, Bhubaneswar
The Member Secretary, State Pollution Control Board, Odisha, Bhubaneswar
The Director, Centre for Environmental Studies
The Managing Director, OFDC, Bhubaneswar
The Director, Minor Mineral, R & DM Department
The Chief General Manager, OSDMA, Bhubaneswar

Sub: Minutes of 7th Review Meeting of Environment Monitoring Cell (EMC) held on **18.11.2022 at 11:45 AM** in 2nd floor Conference hall of the Lokseva Bhawan, Bhubaneswar under the Chairmanship of the Chief Secretary, Odisha.

Ref: This Department Letter No. 20279 dt.15.11.2022

Sir,

In inviting a reference to the subject cited above, I am directed to enclose herewith the minutes of 7th Review Meeting of Environment Monitoring Cell (EMC) held on **18.11.2022 at 11:45 AM** in the 2nd floor Conference hall of the Lokseva Bhawan, Bhubaneswar under the Chairmanship of the Chief Secretary, Odisha in the matter of compliance of OA No. 606 of 2018 and other related cases.

The compliance to the minutes may be furnished latest by **07.12.2022** in both PDF and MS Word format in email: env1992@gmail.com for preparation of reply to be filled before Hon'ble NGT. It is further to intimate that the personal appearance of Chief Secretary

is fixed to 27.01.2023, 10.30AM in VC mode. In case any information/ clarification required, the Senior Scientists, FE&CC Department may be contacted.

This is for your kind information and necessary action.

Enclosed: As above.

Yours faithfully,


Director, Environment-cum-
Special Secretary to Govt.

Memo No. 21186 / FE&CC, Dt 29.11.22

Copy along with minutes forwarded to the Member Secretary, CPCB, East Arjun Nagar, Delhi, 110032 for information and necessary action.


Director, Environment-cum-
Special Secretary to Govt.

Memo No. 21187 / FE&CC, Dt 29.11.22

Copy along with minutes forwarded to Executive Director, National Mission for Clean Ganga, office at Dhyanchand Stadium, India Gate New Delhi, 110001 for information and necessary action.


Director, Environment-cum-
Special Secretary to Govt.

Memo No. 21188 / FE&CC, Dt 29.11.22

Copy forwarded to the Officer on Special Duty (OSD) cum Special Secretary to Chief Secretary, Odisha for kind information of the Chief Secretary.


Director, Environment-cum-
Special Secretary to Govt.

Memo No. 21189 / FE&CC, Dt 29.11.22

Copy forwarded to the Senior PS to the Additional Chief Secretary, FE&CC Department for kind information of the Additional Chief Secretary, FE & CC Department.


Director, Environment-cum-
Special Secretary to Govt.

Forest Environment and Climate Change Department

Govt. of Odisha

Minutes of 7th meeting of Environment Monitoring Cell (EMC) held on 18.11.2022 at 11.45 AM in the 2nd Floor Conference Hall of Lok Seva Bhawan under the Chairmanship of Chief Secretary, Odisha

The 7th meeting of Environment Monitoring Cell (EMC) was held on 18.11.2022 under the Chairmanship of Shri Suresh Chandra Mahapatra, IAS, Chief Secretary, Odisha to review the matter of O.A. No. 606/2018 on the status of compliance of Solid Waste Management practice, Sewage Treatment, Restoration and Rejuvenation of Rivers (19 Nos. of Polluted River Stretch), Plastic Waste, Bio-medical Waste including COVID-19 waste, C & D Waste, E-Waste, Hazardous Waste, Air quality Management in 7 Non-attainment cities, Regulating illegal Sand Mining activities in Rivers including Subamarekha, Industrial Pollution Control (ETP), District Environment Plan & State Environment Plan, Steps taken for prevention of Industrial Accidents etc. Dr. K. Murugesan, IFS, Director, Environment cum Special Secretary, Forest, Environment & Climate Change Department welcomed to the Members intimating the date of personal appearance of Chief Secretary has been fixed on **27.01.2023, 10.30 A.M. by VC mode** before Hon'ble NGT and compliance to be filed on achieving the gap on different Waste Management Rules and Sewage Management of the State etc. The Chief Secretary also directed to make the compliance ready within time so that it will be presented before Hon'ble NGT.

It was also apprised to all the members regarding the completion of time line as per Rule 22 of SWM Rule, 2016 as intimated in the last meeting. The Central Monitoring Committee (CMC) headed by Secretary, Ministry of Jal Shakti, Govt. of India, is reviewing the progress made on solid waste management, sewage management and the last one is reviewed in 14th meeting held on 20.09.2022 and NMCG is co-ordinating the matter. In this regard, it is submitted that SPCB is submitting the progress report on monthly basis in the prescribed proforma to NMCG and the last **MPR up to September, 2022** is submitted vide SPCB Letter **No. 19813 dt. 28.10.2022**. Follow up action to be taken up by SPCB for submission of monthly / quarterly report in the format as prescribed by CPCB in time.

Thereafter, the compliance to the minutes of 6th EMC meeting held on Dt. 07.04.2022 was discussed case wise and further progress to achieve the gap and the decisions taken thereof are presented as below:

Sl. No.	Decisions of the 6 th meeting of EMC held on 07.04.2022	Compliances made by the Departments	Progress made so far and decisions
1(a)	O.A. No. 606/2018,	For 115 Nos. of ULBs the solid waste quantity	The Special Secretary, H & UD Dept. intimated about



FE-ENV1-ENV-0005-2020/18/2022

	Compliance of Municipal Solid Waste Management Rules, 2016	generated is reported to be 2227 TPD. The achievement on legacy waste management, Bio-mining, Bio Composting through MCC, MRF, declaration of Model Cities and Towns etc., tagging of GPs with ULBs for collection of wastes and status is reviewed in the meeting. The quantity of waste processed is 1955 TPD which is 88 % achievement. Latest status is placed as follows: (A) Total MCC: a. Proposed- 278 Nos. with treatment capacity 1296 TPD b. Functional- 250 Nos. with treatment capacity 1169 TPD c. To be Functional- 28 Nos. with treatment capacity 127 TPD (B) Total MRF a. Proposed- 219 Nos. with capacity 2250 TPD b. Functional- 212 Nos. with capacity 2180 TPD c. To be Functional - 07 Nos. with capacity 70 TPD N.B: (a)= (b) + (c) The installed capacity of each MCC is 5 TPD. Model Cities- 3 Nos. • Bhubaneswar	the status of waste treatment completed in 115 nos. ULBs come to 88%. The balance MCC and MRF to be made operational by 31.12.2022. It is submitted that 100 % door to door collection and segregation process is adopted and by selling of "Mo Khata" Rs. 3 Crore of income has been made by the ULBs. and another Rs. 1 Crore of income made by selling dry wastes. The chairman desired that no outside dumping of waste shall be made and steps to be taken for proper disposal. As far as legacy waste is concerned the quantity to be remediated is 38,96,448 MT to be completed on 76 Nos. of ULBs and action plan has been submitted to Govt. Of India. The H & UD Dept. has invited RFP for geo-technical and drone survey for 6 Nos. of pilot ULBs in two stages. The ULBs decided are Cuttack (MC), Berhampur (MC) and Puri (M) in package I, Sambalpur (MC), Bhadrak (M) and Balasore (M) in Package II. The remediation status completed for Vyasnagar (M) is 0.5 Lakh MT and at Rourkela (MC) it is 33576 MT comes to 54%. For Bhubaneswar (MC), the agency is selected.
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		• Berhampur • Rourkela (All above are Municipal Corporations) Model Towns- 3 Nos. • Dhenkanal (Municipality) • Jajpur (Municipality) • Chhatrapur (NAC) Legacy Waste Dump site: No. of dump site- 76 Waste dumped- 38,96,448 MT Dump site cleared- 1 No. Site where Bio mining commenced- 2 Nos. Time frame for clearing- By December 2025. Bio-Methanation: Nil RDF- Nil Waste to Energy (WTE) Plant: Nil	The Model cities and Towns are to be developed as per action plan and further to be extended to other areas. The sanitary land fill site (1 No.) at Berhampur is to be developed with integrated solid waste management practice. The Chairman emphasised for making adequate budget allocation to be made by H & UD Dept. for incurring expenditure on year wise basis for integrated solid waste management practice for the State and to achieve the 100 % gap and to intimate to FE & CC Dept. for submission before Hon'ble NGT.
1(b)	PR & DW Department (Compliance to Solid Waste management)	The SWM is implemented all over the GPs through SBMG Phase II programme with implementation of <u>Odisha Rural Sanitation Policy, 2020</u>. Target has been fixed for achieving proper SWM through SBMG programme as 60 % villages by FY 2022-23 and all 100 % by FY 2023-24.	Under the Rural-Urban convergence, the solid waste management practice is adopted in the Gram Panchayats. The GPs are tagged with the ULBs for management of solid wastes particularly plastic wastes. A joint advisory from H & UD and PR & DW Dept.

		As on date 12,010 (25.7%) villages have initiated SWM activities in the State at the community level, including arrangements for bio degradable management. SHGs have been tagged in 4086 GPs (60.01%) to manage community SWM assets for Plastic Waste management. Mass cleaning in GPs is encouraged. During FY 2019-20, 90 GPs have been identified as compliant to SWM Rules. Source segregation of waste, door to door collection handing over to ULBs all recyclable waste including plastic waste adopted. All GPs. Are tagged with MRF centres of ULBs.	has been issued to all districts via letter No. 8667 dt. 28.05.2021. 24051 Nos. of community compost pits and 4,28,893 Nos. of house hold compost pits constructed for bio degradable waste. In 1306 GPs. HH and institutional level collection of plastic waste initiated. 14609 waste segregation sheds done for storage of dry waste. 13844 vehicles (mostly tricycles) purchased for collection and transportation of dry waste. The Chairman emphasised to make adequate budget provision with year wise expenditure plan for compliance of SWM Rules, 2016. The same to be intimated to FE & CC Dept. so as to include in the compliance before Hon'ble NGT.
1 (c)	O.A. No. 606/2018 (Para 25. order dt. 16.01.2019)	Matter on Construction and Demolition Waste Management.	The generated C & D Wastes are stored at the designated locations of ULBs and are used for construction of road sub grade, temporary pathways and raising of low-lying areas. There are two Nos. of waste utilisation units functioning at Bhubaneswar Municipal Corporation and Jatni Municipality for

			manufacture of bricks having total capacity of 4 TPD. All the ULBs are to take action and dumping near road side is to be checked. Action: • H & UD Dept. • SPCB
2(a)	O.A. No. 593/2017, Paryavaran Surakhya Samiti & anr. Vrs. UOI & Ors. O.A. No. 673/2018, In Re: News item published in "The Hindu" authored by Shri Jacob Koshy titled "More river stretches are now critically polluted: CPCB. (ETP, STP, FSTP and use of treated water) Matter on 351 Polluted River Stretches (PRS) in the Country out of which 19 PRS have been identified for state of Odisha.	The total quantity of Sewage generation of the State 880 MLD in the State from 115 Nos. of ULBs. The treatment adopted through STP and FSTP. The capacity for treatment has been made through 13 Nos. of STPs, capacity is 370.50 MLD to be installed in six No. of cities. The cities are Bhubaneswar MC- 183.5 (5 nos.), Cuttack MC- 85 (3 Nos.), Sambalpur MC- 40 (1 No.), Rourkela MC- 40(1 No.) Puri- 20.0 (2 Nos.) and Talcher- 2.0 (1 No.). Total 11 Nos. of STPs having treatment capacity of 282.50 is completed and 2 STPs of 88.0 are under construction (Unit in MLD). The capacity utilisation of STPs is 134.18 out of 282.50 MLD. There will be 119 Nos. of FSTP to be installed with capacity of 2057 KLD (2.057 MLD). From the above 103 Nos. FSTP completed with 1797 KLD (1.797 MLD). Rest 16 Nos.	The matter on achieving the gap on sewage treatment was discussed and the Chairman directed the H & UD Dept. to take action with allocation of budget provision. As far as Polluted River Stretch (PRS) is concerned there are 19 stretches in the State identified, out of which the water quality of 12 stretches has been improved. The CMC reviewed the status for exclusion of 12 Nos. of PRS and to approach Hon'ble NGT with last two years water quality data for obtaining directions. The improvement of river water quality of river Kathajodi to make it as a model river has been discussed and steps to be taken for stoppage of waste water discharge at various points responsible for degradation of water quality. The State coastal action plan has been submitted to

	(Disposed of 22.02.2021)	of FSTP under construction is 260 KLD (0.26 MLD). The total treatment capacity in 13 STPs+119 FSTPs will be of 372.56 MLD. Rest 507.44 MLD (Total Gap) will be treated through Grey water management system which is under piloting stage.	CPCB and comments as been received. After compliance, the same it is to be re-submitted by SPCB. Action by: • H & UD Dept. • WR Dept. • SPCB
2 (b)	O.A. No. 673/2018 (Information furnished in monthly MPR)	The Central Monitoring Committee (CMC) is also reviewing the matter on following points: i. Identification of polluting sources including drains contributing river water pollution ii. Water quality of Rivers, its tributaries, drains with flow details and ground water quality in the catchment of Polluted River iii. Ground Water Regulation (checking illegal abstraction)/ Good Irrigation Practice.	The information is provided in the MPR by SPCB on monthly basis to NMCG The drains are coming under different Depts. are to be maintained The water quality of identified polluted river stretch and other major rivers of the State are monitored and result is submitted along with the MPR to the NMCG and copy to CPCB. The information in RRC website to be updated. The Ground water regulation is made by an Act namely 'The Odisha Ground Water (Regulation, Development and Management) Act, 2011 with committees constituted for control of ground water abstraction

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			by the industries. The industries are not allowed for ground water drawl.
		iv. Good irrigation Practice	The WR Dept. is monitoring the river water flow through the Dept. Engineers. in all seasons. The good irrigation practice is implemented.
		v. Rain Water harvesting	The recharge of ground water through ground water recharge structures (GWRS) in the Tanks/ and Ponds/ Recharge Wells done for 332 Nos. of Recharge Shaft programmed and constructed up to 332 Nos. and Roof Top Rain water harvesting system adopted for Govt. and Non-Govt. buildings.
		vi. Demarcation of flood plain and removal of illegal encroachments,	The flood plain demarcation for removal of encroachments is done in Gangua nullah. The Revenue authorities are moved for making the land free from encroachments
		vii. Maintenance of minimum e-flow	It is maintained through integrated water shed management programme.
		viii. Plantation activities along with the rivers and Development of Bi-diversity Park.	About 4900 seedlings have been planted along the drainage canals by Khordha Drainage division during monsoon. A total Nos. of 1094699 Nos. of saplings were planted in

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			the bank of rivers, dam, barrage, canal sites etc., out of which 329962 are existing (30.14 % survival rate). The green "Mahandi" programme is to be implemented.
		ix. Reuse of Treated Water and ETP status of Industries.	The quantity of waste water generated from polluting industries of 806 MLD is recycled or used for tree plantation purpose.
		x. Action plan for Coastal States (O.A. No. 829/2019) for 480 Km. stretch in Odisha.	The draft Coastal management action plan is submitted to CPCB on 10.06.2022 by SPCB and comments received on 03.10.2022. Submission of revised plan to CPCB to be expedited by SPCB.
		xi. Regulation on Mining Activities.	The mines are covered under provision of obtaining Consent to Establish (CTE) and Consent to Operate (CTO) from SPCB under Water and Air Act (in short). The pollution control measures adopted is monitored by SPCB with directions. The satellite based surveillance is adopted in the State to prevent illegal mining activities.
		xii. Action against polluters, law violators and officers responsible for failure on monitoring.	The industries violating consent conditions are issued with show cause notices including issue of closure direction by SPCB in case of non-compliance.

		xiii. Maintenance of Grievance redressal Portal.	As per the portal no grievance is filed by any of the complainant.
3.	O.A. No. 325/2015: Lt. Col. Sarvadaman Singh Oberoi Vrs. UoI. (Disposed of 18.11.2020) Restoration and Rejuvenation of water bodies/ ponds. Preparation of action plan and monitoring of water quality.	WR Dept. has intimated that water quality test for 906 water bodies having more than area of 5 Ha. is to be conducted. In the 2nd meeting held under the chairmanship of the Chief Secretary on 07.04.2022, the water quality test to be conducted for 281 Nos. of ponds/ water bodies having area more than 10 Ha. on priority basis. The details on geo location, at GP level has been intimated to H & UD Dept. and PR & DW Dept. on 22.06.2022. For, 281 Nos. of water bodies the water sample to be collected in co-ordination with concerned RO, SPCB for sampling and analysis.	For collection of water samples, Depts. were intimated to submit it to SPCB for water quality analysis. The same to be expedited. The number of water bodies coming under H & UD and PR & DW Dept. are to be intimated to WR Dept. for inventorisation. The ACS WR Dept. intimated that the Executive Engineers from the Dept. to collect water samples and submit to SPCB for analysis. The restoration work to be done. Action by: • WR Dept. • SPCB • H & UD Dept. • PR & DW Dept.
4 (a)	(i) O.A. No. 710 to 713/ 2017, Shailesh Singh Vrs. Sheela Hospital and Trauma Centre, Shahjahanpur & Ors. & (ii) O.A. No. 72/	Management of Bio-Medical waste and COVID-19 waste respectively. The authorization status has been furnished by SPCB and for Govt. HCFs by Director, Public Health, Odisha. Establishment of adequate CBWTF in the State.	The applications received for authorisation for HCFs to be decided by SPCB for grant/ refusal. Actions to be taken for non-complying units by SPCB. Presently there are 6 Nos. of functional CBWTFs in the State. 5 clusters have

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	2020, In: Re Scientific disposal of Bio-Medical Waste arising out of COVID 19 treatment- Compliance of BMW Rules, 2016. (Disposed of 18.01.2021)	Implementation of Bar Coding system. Review on BMW management in the State by State Level Monitoring Committee under the Chairpersonship of Commissioner cum Secretary, H & FW Dept. Dist. Environment Plan and State Environmental Plan: data validation from time to time.	been identified by H & FW Dept. for establishment of new units in different zones to cover all the areas of the State. For implementation of Bar Coding system, OCAC, Bhubaneswar has developed the software at a cost of Rs. 22.45 Lakh. The required equipment/ instrument like weighing machine, printer etc. with empaneled vendor lists have been provided by OCAC. The pilot study is going on at Capital Hospital, Bhubaneswar & DHH, Khurda from 1st week of October 2022 after which districts will be instructed to procure the same before launching the software and establishing connectivity with SPCB and to CPCB server. As per D.O. letter of MoEF & CC No. 20/04/2021-HSMD dt. 14.10.2022 action to be taken for gap analysis on the new CBWTF establishment by relaxing the 75 Km. distance criteria. All the CBWTF will have prior EC from SEIAA, Authorisation, CTE & CTO from SPCB. Action by: • H & FW Dept., • H & UD Dept. • SPCB
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4 (b).	Installation of OCEMS for the emission monitoring in CBWTF and connection to SPCB and CPCB data server on real time basis.	Installation of OCEMS at three Govt. Medical Colleges and Hospitals (VIMSAR, MKCG & SCB) done and data transfer system connected to SPCB server. The private CBWTF installed at Khurda with analysis of parameters CO, CO₂, and Temperature is connected to SPCB server.	The data transfer from OCEMS to server of SPCB and ultimately to CPCB server is to be completed. In case of excess emission observed, immediate measures to be taken to maintain with in prescribed standard. All newly proposed CBWTF will install OCEMS with data transfer system to server at the initial stage of establishment. The monitoring to be done by SPCB as per schedule and data to be validated. Action by: • Health & FW Dept. • SPCB
4 (c).	Compliance status of Veterinary hospitals on BMW management	As per F & ARD Dept., 58 Nos. of Veterinary Hospitals are operating with valid Authorisation from SPCB. The Colour coded bins are provided. Autoclaves and Incinerators are installed and operated for treatment. There are about 500 No. of dispensaries and LI centres where de-centralised treatment system is to be adopted. The MoU is to be signed with CBWTF.	The Veterinary Hospitals up to Division and Sub Divisional level are covered under BMW management. The dispensaries and LI centres are to be tagged with CBWTF facility. The Autoclaves and Incinerators are used for treatment purpose effectively. Action by: • F & ARD Dept. • SPCB
4 (d).	Functional status	ETP/ STPs are operating in	The 3 Nos. of Medical

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	of ETP & STP in Govt. hospitals. It was decided that all districts and sub-divisional Hospitals will be covered by establishing the STPs and ETPs. The Works dept. to take up the construction of ETP and STP.	7 hospitals. 30 DPRs are already prepared by OWSSB and submitted to Works Dept. for budget estimate to execute the construction work at DHHs. For preparation of DPR for other hospitals more than 30 beds also Works Dept. has been requested for intimating cost of development for taking action on budget allocation. The CE (Works) conducted a meeting in this regard to expedite the work and Govt. to be moved for approval of adequate funds.	Colleges are having ETP and STPs. (i) SCB MCH, Cuttack, (ii) VIMSAR MCH, Burla & (iii) MKCG MCH, Berhampur). Another 4 Nos. at DHH, Sundargarh, RGH, Rourkela, Capital Hospital, Bhubaneswar and BMGH, Chandpur are having the facility. (Total-7 Nos.). The hospitals above 30 beds are to be covered and CHCs are included. There is an allocated budget provision of about Rs. 200 Crore for which tendering process is to be completed by Jan-Feb 2023 end as directed by the Chairman. The Works Dept. to execute the same. It was decided for identification of vacant space inside the hospitals for installation of ETP & STP. The budget estimate to be finalised and intimated to FE & CC Dept. Action to be taken: • H & FW Dept. • Works Dept. • SPCB
4 (e)	O. A. No. 180/2021, Mukul Kumar Vrs. State of U.P. & Ors. (Disposed of on	The State Level Monitoring Committee reviewed the matter on 25.03.2022 including proper management of COVID 19 wastes.	The Commissioner cum Secretary, H & FW Department is reviewing the matter along with O.A. No. 710-713/ 2017 on BMW management. There

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	07.01.2022) Bio-Medical, COVID 19 Waste Management The State Level Committee and Dist. Level committees were constituted on Dt. 15.03.2022 for monitoring.	Gap on treatment of BMW of 3733.2 kg/day is addressed. The Annual Return of 2021 has been submitted to CPCB. The report on Dist. Level Monitoring Committee may be apprised where Collector and DM is Chairman and RO, SPCB is member convener. All HCFs to comply.	are 19 Nos. Dist. Level committee meeting already conducted so far at the Dist. Level for proper management of COVID 19 wastes. All HCFs are adhering to the norms of COVID 19 guideline and monitoring to continue till end of pandemic period. Sensitization is done to all HCFs through VC mode with communication of guidelines including leaflets for display. Periodic review is made at Govt. Level. All precautions are adopted for treatment of wastes. Action by: • H & FW Dept. • SPCB
5.	O. A. No. 360/2018 (Shree Nath Sharma Vrs. UOI.) Preparation of District Environment Plan and State Environment Plan	The State Environment Plan has already been submitted earlier to CPCB. For up-dating of information from time to time of each dist. CPCB has provided proforma. Direction from Hon'ble NGT to upload the improved DEPs in the website by 30.11.2021. The matter is linked to Bio Medical Waste management for data up-dation. Information not submitted	Two districts have submitted information with proper data. Other districts are requested to submit the information in same line. To expedite the matter, the DFO's to take action. The ACS, FE & CC may review the matter with the Collectors/ DFOs. The DEPs to be uploaded immediately in the website for compliance. Action to be taken:

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		by Collectors to be reminded.	• FE & CC • Health & FW • SPCB
6 (a).	O.A. No. 681/2018, In Re: News item published in "The Times of India" Authored by Shri Vishwa Mohan Titled "NCAP" with multiple timelines to clean air in 102 cities to be released around August 15. (disposed of on 08.04.2021) Seven non-attainment cities (NACs) identified are i.e. Bhubaneswar, Cuttack, Angul, Talcher, Balasore, Rourkela, and Kalinga Nagar.	Report submitted by SPCB on Action taken on (i) installation of monitoring stations, (ii) completion of CC and SA studies, (iii) Shifting, prohibiting type of activities beyond carrying capacity, (iv). Effectiveness of PGRPs, (v). Timeline for execution of the action plans and recovery of compensation for delay, addressing in gap in Control of noise pollution, (vi). Afforestation drives utilising CAMPA funds, (vii). Effective implementation of ERS, (viii). Remediation of legacy waste sites etc. The 5th AQMC meeting was held on 09.11.2022 under the Chairpersonship of ACS, FE & CC to review the progress on ranking of cities and uploading self assessment report in PRANA portal as per timeline fixed as 15.11.2022.	The NCAP is for improvement of air quality in the non-attainment cities. The DLMC constituted on 25.03.2022 to conduct regular review meetings for the identified cities. The MoEF & CC has issued guidelines vide OM dt. 25.08.2022 with previous OM dt. 17.09.2021 on release and utilisation of funds and sector wise activities to be taken up at different levels as stated at Annexure 6 and procedure on fund utilisation at Annexure 7, which has been circulated vide FE & CC Dept. letter No. 16296 dt. 12.09.2022 to all concerned. Steps to be taken for improvement on air quality in identified 7 non-attainment cities as per the action plan. Action by: • H & UD Dept./ DMA • SPCB • Home Dept.
6 (b).	O.A. No.	Matter on use of treated	The H&UD department will

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	283/2020, R.S. Virk Vrs. CPCB, (Disposed of 03.12.2020)	water of STP for dust suppression purpose. H & UD Dept. to instruct ULBs to submit report.	procure / hire vehicle for use for treated water of STP for dust suppression purpose. As intimated the treated water generated (208 KLD) from FSTP is used for tree plantation purpose inside the premises and about 34 KLD used for road dust suppression purposes. Action by: • H & UD Dept. • SPCB
6 (c).	O.A. No. 773/ 2018, Metro Transit Parking Vrs. SDMC, (Compliance of order dt. 21.08.2020)	Policy on parking and traffic congestion matter to be taken up to control air pollution in Non-attainment Cities.	For non-attainment cities, the policy to be implemented in order to control air pollution in non-attainment cities. Action by: • H & UD Dept.
6 (d).	OA No. 67/2019, Sumit Kumar Vrs. State of HP : (State Fuel Policy on use of Pet Coke and Furnace Oil)	The State Fuel Policy has been notified vide notification no 7485 dt. 12.04.2021 for implementation as per order of Hon'ble NGT in compliance to Supreme Court direction. The matter is being monitored by the Supreme Court in M.C. Mehta case. An amendment was also made vide notification No. 16485 dt. 16.09.2021.	The provisions of State Fuel Policy to be adhered to by the industries. The time line prescribed for switching to cleaner fuel is to be complied by the industries and monitoring to be done by SPCB. The gas pipeline work in the districts is undertaken by GAIL. It has reached maximum of 21 Nos. of districts and rest to be completed shortly. The industry to use the industrial gas as per time schedule.

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			Action by: • SPCB
6 (e).	OA No. 249/2020, Tribunal on its own motion Vrs. MoEF.	Direction issued from FE & CC Dept. vide letter No. 15831 dt. 07.09.2022 for the control of noise pollution due to bursting of fire crackers including maintaining ambient air quality. Monitoring to be done by SPCB during pre on the day and post festive occasions.	The monitoring results on air quality and noise to be reported by SPCB. Preventive actions to be taken. Green fire cracker to be use till end of COVID 19 pandemic. Action by: • SPCB
6 (f).	O. A. No. 1038/2018, News item published in "The Asian Age" Authored by Sanjay Kaw Titled "CPCB to rank industrial units on pollution levels". (disposed of 29.08.2022) CEPI Score: < 70 - Critically Polluted Area (CPA) Between 60 - 70: Severely Polluted Area (SPA) >60: Other Polluted Area (OPA)	The matter was stayed by Supreme court which was disposed of on 25.02.2022 with directions. Thereafter, the Hon'ble NGT also disposed the matter on 29.08.2022 directing to take action to bring the area to normal situation. Environmental compensation as per law should be assessed against the defaulting and polluting industries and amount so recovered shall be used for remediation, rejuvenation and restoration of already damaged environment in the area of respective industrial clusters.	In the state, i. CPA- Nil ii. SPA- 2 Nos., Cities are • Ib Valley- 66.35 • Paradeep- 60.61 iii. OPA- 3 Nos., Cities are • Jajpur-49.62, • Angul-Talcher-46.43 • Jharsuguda-37.20 Basing on the CEPI score areas are identified, In this matter for Paradeep and Ib valley area latest status to be reviewed. Environmental compensation to be levied from the defaulting industries to improve the environment as per the direction of Hon'ble NGT.

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			Action by: • SPCB
6 (g).	Greening of vacant space of ULBs, identification of land by ULBs and plantation to be taken up by OFDC/DFOs. Funding to be made from DMF in the DMF district & OEMF in their respective areas.	Follow up action to be taken for identification of vacant patches inside the ULB areas with Budget allocation/ provision to be made from DMF/ OEMF Fund.	It was intimated that steps are being taken for grass turbing at Bhubaneswar and Rourkela. H & UD Department has intimated that the action plan has been submitted to OFDC for taking action. The DMA has intimated to Collectors and Executive Officers of ULBs to vide letter No. 19299 dt. 18.11.2022 to take action on greening activities in the vacant spaces of the ULBs. OFDC to submit the ULB wise expenditure to H & UD Dept. for allocation of budget provision. OEMF and DMF funds to be provided. The pavement through tile blocks is also suggested. Matter to be expedited. Action by: • H & UD Dept./ DMA, • OFDC
7.	O. A. No. 804/2017, Rajeev Narayan Vrs. UOI & Ors. (Disposed of on 29.01.2021) Hazardous	SPCB has submitted MPR to CPCB vide letter No. 19673 dt. 26.10.2022. IDCO has been requested for allocation of shed in existing and upcoming industrial Estates.	Safety audit to be continued as per schedule. Action to be taken against defaulting industries operating without valid authorisation or in case of non compliance thereof by SPCB.

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	Waste Management. Authorisation status. Safety audit of Hazardous Waste disposal site including TSDF. Identification and earmarking of site in industrial Estates for handling hazardous wastes. Registration of workers.	A clarification is sought from CPCB as per the observation of Labour Commissioner for implementation of Rule 5 (2). Matter to be expedited. As per observation of Hon'ble NGT, SPCB needs to take cognizance of aspects while enforcing the relevant rules on domestic hazardous waste and from e-waste rules like fluorescent lamp other mercury containing lamp and also, preparation of HW inventory and other interventions.	The Labour & ESI Dept. to take action for registration of workers and health check up camps to be conducted periodically. The clarification sought is to be followed up. For new industrial estates/ areas to be developed 5 to 10% of land to be kept earmarked for handling of hazardous waste. For domestic hazardous waste and e-waste and fluorescent lamps, mercury containing lamps etc. action to be taken and inventory to be prepared. SPCB to submit MPR to CPCB up to period Dec. 2022 by 1st week of Jan 2023. Action by: • SPCB • IDCO • Labour & ESI Dept. • MSME Dept.
8.	EA No. 13/2019 in O.A. No. 247/ 2017. Compliance on Plastic Waste Management (disposed of on 08.01.2021)	The 3rd State Level Task Force meeting was held under the Chairmanship of Chief Secretary on 26.08.2022 and minute was circulated vide FE & CC Dept. letter No. 16215 dt. 12.09.2022. The State Action Plan as approved in the task force meeting has been sent to CPCB vide letter No. 20410 dt.04.11.2022 and it is	SPCB has submitted the MPR for the period July 2022 to September 2022 to CPCB vide memo No. 20864 dt. 09.11.2022. The period from October 2022 to December 2022 to be sent expeditiously in 1st week of January, 2023. The State Action Plan has also been sent to MoEF & CC vide letter No. 20125

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		uploaded in website of SPCB. Instruction issued to prescribed authorities and all Collectors for periodic checking in market to prevent SUP items & collection of fine. Use in Cement Plant and Road making to be encouraged. Action on awareness campaign is submitted by CES. The MPR to be submitted to CPCB.	dt. 14.11.2022 with copy to H & UD and PR & DW Dept. SPCB has intimated to Rotary, Lions Club, Bhubaneswar Bar Association, Journalists Association along with sample posters in English and Odiya for creation of awareness on elimination of prohibited SUP items vide letter No. 14237 dt. 08.08.2022. CES is conducting the awareness programme on elimination of SUP and sending progress report to the FE & CC Dept. The last report up to October 2022 has been submitted to FE & CC Dept. vide letter No. 670 dt. 01.11.2022. The fund from SPCB is also to be released shortly. As reported by SPCB, the surprise squad are formed for periodic checking conducted to prevent the sale of prohibited SUP items by the shops in the ULB areas. The quantity of items seized is 2340.65 Kg and a fine amount of Rs. 3,15,770/- is collected. The ULB wise collection is to be maintained. The meeting on use of waste plastic items for road making was convened on 15.11.2022 under the Chairmanship of Director Environment cum Special Secretary and minute was
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			communicated vide letter No.20581 dt. 21.11.2022 for taking action. The RD Dept. and Works Dept. to install shredding machine. H & UD Dept. has seized 136.86 MT of plastic waste and collected fine of an amount of Rs.87.56 Lakhs for last two financial years. The wastes disposed to Cement Plants is 7226.52 MT in last two financial years. Action to be taken by: • FE & CC Dept. • H & UD Dept., • PR & DW, • CES • SPCB
9.	O. A. No. 512/2018, (Shailesh Singh Vrs. State of U.P. & Ors.): E-Waste Management. (Disposed of on 15.01.2021)	EPR authorisation for 24 Nos. of units granted by CPCB and Authorisation granted to 11 dismantlers by SPCB. Compliance verification to be done. Board is furnishing quarterly compliance report to CPCB. An one minute video has been created for public awareness on e-waste. Dept. of Industry to earmark / allocation of industrial space/ shed for waste dismantling and recycling (Rule 12 (1)).	The matter on EPR authorisation, authorisation of Recyclers, Refurbishers etc. are to be monitored by SPCB. Steps to be expedited. The inventorisation in all Depts. shall be undertaken with allocation of space and registration of workers as per Rule. The quantity of E-waste collected from ULBs is 328.53 MT during last two financial years. Every Saturday is fixed for collection of waste and it is maintained in record in digital mode in "Ama

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		Registration of workers by the Labour and ESI Dept. (Rule 12 (2)).	Sahar' mobile App. The MoEF & CC has notified new E Waste (Management) Rules, 2022 vide Gazette GSR No. 801 (E) dt. 01.11.2022, to be effective from 01.04.2023. Action by: • H & UD Dept. • SPCB • Industry Dept. • L & ESI Dept.
10.	O. A. No. 173/2018. (Sudarshan Das Vrs. State of W.B & Ors.) & O.A. No. 360/2015. NGT Bar Association Vrs. Virender Singh (State of Gujarat) (disposed of on 26.02.2021) (Sustainable sand mining activities)	The Odisha Sand Policy has been notified by R & DM Dept. vide No. 26372 dt. 02.09.2021 and Rule is under preparation by R & DM Dept. A study was conducted by ICFRE and restoration plan of river Subarnarekha is to be implemented. The Annual Report as on 31.03.2022 has been submitted to MoEF & CC vide FE & CC Dept. Letter No. 13042 dt. 22.07.2022 which is also to be uploaded in website. Separate Bank Account is opened for deposit of fine amount at FE & CC Dept. Seizure of vehicles and vehicle tracking by GPS system etc. are to be done.	The SSMG-2016 and EM GSM-2020 (MoEF & CC) guidelines to be adhered for sustainable sand mining activities. The rate to be decided for preparation of DSR by the NABET/ QCI accredited consultants for minor minerals activities in the State to be finalised. The Odisha Sand Policy 2021 is to be Adhered to. Replenishment study shall also be conducted as per guideline. All minor mineral extraction activities are to be done with prior EC from SEIAA, CTE and CTO from SPCB. The study conducted in matter of Subarnarekha to be expedited by the Depts. Preventive steps to be taken up by the Depts. to prevent illegal sand mining activities in the State. The annual report of 2021-

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			22 submitted to MoEF & CC is to be uploaded in website. Action by: • R & DM Dept. • Director, Minor Mineral • SPCB • SEIAA
11.	O. A. No. 134/2020, News item published on 13.07.2020 in daily, India Today titled "Massive fire engulf Vizag Chemical plant, explosions heard, injuries reported". (Matter on industrial accidents).	The compliance to Chemical Accidents (Emergency Planning, Preparedness and Planning) Rules, 1996 is to be enforced to prevent industrial accidents including storage of hazardous chemicals. Direction to all Major Accident Hazard (MAH) installation has been made and many of them have already submitted their compliance status. Guidelines have also been brought to the notice of the District Collectors, Directorates of Factories and Boilers and Regional Officers of the Board. Regional Officers has also been instructed to verify the guidelines whenever inspection is carried out to such MAH units	The integrated guidance framework for chemicals safety in respect of isolated storage and industries covered under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as prepared by CPCB and communicated by MoEF & CC is to be adhered. For maintaining safety in industrial operations or in isolated storage sites of hazardous chemicals regular and periodic inspection to be conducted. Safety audit and on-site emergency plan to be prepared with sharing of information to stake holders to be done. Follow up action for compliance of CAEPPR, 1996 is to be made. The Depts. were intimated vide FE & CC Letter No. 3029 dt. 09.02.2022 to take action. Action by: • Director, Factory and Boiler • OSDMA

			• Health & FW Dept. • SPCB
12.	O.A. No. 333/2021, Real Anchors Developers Pvt. Ltd. Vrs. UP SPCB & ors. (Disposed of on 12.04.2022) Regarding use of electric Chullahs/ PNG as fuel in Crematorium to check air pollution.	Air pollution is caused in Crematorium during burning of wood. The Hon'ble NGT has emphasised for use of gas and for motivating people to switch over to environment friendly methods of cremation without causing air pollution. The setting up of electric/PNG crematoria is to be encouraged as an option instead of use of using wood in crematorium. At Puri "Swargadwar" the matter was also considered earlier.	The use of electric chullahs in the crematorium has been more successful during COVID 19 pandemic period in the State and all the cremation was done in electric Chullahs. The Electric chullahs/ PNG based crematorium to be encouraged and gas based after installation of gas pipe line covering the districts which is under pipe laying stage. Action by: H & UD Dept. SPCB
13.	Collection of Environmental Compensation (RC)	A sum of Rs. 5,87,29,364/- has been collected towards environmental compensation from the defaulting Hotels, Brick Kilns and Stone Crushers etc.	The amount to be utilised for restoration of environment for the affected areas. The detail plan to be framed. Action by: • SPCB.
14.	The Idol immersion Rule, 2021	The Rule is notified by FE & CC Dept. Gazette No. 17937 dt. 14.10.2021 to check water pollution of ponds/ rivers during festive occasions.	The H & UD Dept. and SPCB are taking follow up action and to continue round the year during festive occasions. Action by: • H & UD Dept. • SPCB

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Concluding remarks:

- i. The Chief Secretary, Odisha appeared personally before Hon'ble NGT on **26.03.2019** and committed for compliance of SWM Rules, 2016 and other environmental norms. This will be the second time, Chief Secretary will appear personally in VC mode on **27.01.2023**, 10.30 A.M. to intimate the progress made so far towards achieving the gap on solid waste management including other environmental status of the State. The Chairman appreciated the steps taken for compliance by different Dept. and expressed further view to improve compliance of environmental norms on top priority basis covering all aspects and provisions of different Waste Management Rules framed under E.P. Act, 1986, compliance of Water (PCP) Act, 1974 and Air (PCP) Act, 1981 to be presented before Hon'ble NGT. The gap on achievement of compliance on sewage management in the State is to be expedited. The budget provision is to be made with year wise action plan by the Depts. for successful implementation.
- ii. All the nodal Depts. declared are required to expedite the matter for submission of latest status to FE & CC Dept. through both PDF and MS Word file (email: **env1992@gmail.com**) positively by **07.12.2022** for preparing the final compliance and the Chairman advised to work in better co-ordination to make the State fully compliant on Waste Management Rules, adoption of adequate pollution control measures which will bring significant progress for the State for maintaining quality life. All the orders of Hon'ble NGT are available in website (www.greentribunal.gov.in) and order can be browsed for reference. In case of any difficulty, the Senior Scientist, FE & CC Dept. may be contacted for obtaining any order. The submission of compliance before Hon'ble NGT with copy to CPCB for data validation is to be done latest by **26.12.2022**. The co-operation is solicited from all the departments.

The meeting ended with vote of thanks to the Chair and also to the Participants.



(Shri Suresh Chandra Mahapatra, IAS)

Chief Secretary, Govt. of Odisha

NGT Matter/Urgent
By E- mail

Government of Odisha
Forest, Environment & Climate Change Department

No. FE-ENV3-ENV-0016-2018 17269 / FE&CC, Date 27 /09/2021

From
Sri Susanta Nanda, IFS,
Director, Environment-Cum-Special Secretary to Government

To
The Member Secretary,
State Pollution Control Board, Odisha

Sub: Minutes of the 4th Meeting of River Rejuvenation Committee held on **07.09.2021** at 12:30 PM on Virtual Mode under the Chairmanship of Addl. Chief Secretary, FE&CC Department.

Sir,

In inviting a reference to the subject cited above, I am directed to enclose herewith the approved minutes of the 4th Meeting of River Rejuvenation Committee held on **07.09.2021** at 12:30 PM on Virtual Mode under the Chairmanship of Addl. Chief Secretary, FE&CC Department for your kind information and necessary compliance thereof.

You are further requested as Member Convener to communicate the copy of minutes among other members for necessary compliance.

Encl: As above

Yours faithfully,


Director, Env.-cum-
Special Secretary to Govt.

Memo No. 17270 /FE&CC, dt 27.09.2021

Copy forwarded to Senior PS to Additional Chief Secretary, FE & CC Department for kind information of Additional Chief Secretary.


Director, Environment-cum-
Special Secretary to Govt.

Minutes of the 4th meeting of River Rejuvenation Committee held on 07.9.2021 at 12:30 PM through Virtual Mode

The Additional Chief Secretary, Forest, Environment and Climate Change Department welcomed all the Members who have virtually attended 4th meeting of the River Rejuvenation Committee and gave an outline of the previous three meetings held in connection with preparation of action plans for restoration of 19 polluted river stretches in the State identified by CPCB and covered under the Hon'ble NGT case in the matter of OA 673 of 2018. List of the participants attended the virtual meeting are enclosed as Annexure-1.

With the permission of the Chair, Member Secretary of State Pollution Control Board, Odisha gave a detailed presentation as given below on the actions taken by different organizations as a compliances to the Proceedings of the 3rd meeting of River Rejuvenation Committee held on 04.6.2019 and actions suggested in last ten meetings of the Central Monitoring Committee constituted in compliance to the direction of the Hon'ble NGT passed in the order dated 06.12.2019.

Sl. No.	Decisions of the 3 rd Meeting of RRC held on 04.6.2019	Compliances	Progress made so far and the Decisions taken
1	The Committee approved 10 Action plans and recommended to submit these action plans to CPCB within the stipulated date line i.e. 30.6.2019 after incorporating the information to be received from OWSSB and H & UD Department.	Action plan of the 10 polluted river stretches such as (i) Kuakhai (Urali to Bhubaneswar) (Priority-IV), (ii) Mahanadi (Sambalpur to Paradeep) (Priority-III), (iii) Rushikulya (Pratatppur to Ganjam) (Priority-V), (iv) Banguru nallah (along Talcher Rengali) (Priority-V), (v) Bheden (along Bheden) (Priority-V), (vi) Kusumi (along Tangi) (Priority-V), (vii) Nuna (along Bilpur) (Priority-V), (viii) Sabulia (along Jagannathpatna, Rambha) (Priority-V), (ix) Nandira Jhor (D/s Talcher) (Priority-V), (x) Budhabalanga (Muahulia to Baripada) (Priority-V) submitted to CPCB vide letter No. 6002 dated 20.06.2019.	All ten action plans have been approved by CPCB for implementation. Progress made on the actions identified are regularly communicated through Monthly Progress Report to National Mission for Clean Ganga (NMCG) with copies to CPCB, Delhi and Department of F, E and CC Department, Govt. of Odisha.

2.	The list of polluted locations for the year 2018, which has already been shared with the H & UD Department, may also	The list of polluted locations for the year 2018 communicated to the PR and DW Department vide letter No. 6145 d	It was decided that H & UD Department and  Your Signature will appear here.
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	be shared with the PR and DW Department for taking necessary action under Swachh Bharat Mission.	22.06.2019	department will furnish the information at the earliest.
3.	PR and DW Department will take necessary action under Swachh Bharat Mission for abatement of river pollution in the above 10 stretches.		
4.	As either single marginal or number of exceedence of BOD values over the tolerance limit has been observed during the last two years in these above 10 river stretches, it was recommended to write to Hon'ble NGT with proper justification for deletion of these 10 stretches from the list of polluted river stretches	Requested for deletion of ten polluted river stretches made to Hon'ble NGT vide letter No. 6811 dated 09.07.2019.	CPCB has requested vide letter No. 1599 dated 03.06.2021 to submit the last two year water quality data along with physical evidence of the actions taken for considering the case for delisting of the polluted river stretches. Accordingly, Water Resource Department, Housing and Urban Development Department and Panchayati Raj and Drinking Water Departments have been requested vide letter No. 9228 dated 09.7.2021 to submit the action taken report along with physical evidence and expenditure incurred for compilation and submission to CPCB.

5.	It was decided that the Public toilet/ community toilet and pipe water supply are to be provided in slums along all 10 major drains leading to Gangua nallah to reduce pollution load.	No information received from H & UD Department in this regard.	It was decided that H & UD Department will furnish the information at the earliest.
6.	OWSSB will provide a detailed progress of STPs under construction, Septage Management Plan, Fund position, timeline for completion of each STPs, Septage management in the State within a week.	Fund position, monthly progress of STPs under construction, timeline for completion of each STPs, septage management in the State are being provided by OWSSB.	Monthly progress is being regularly communicated to NMCG.
7.	The Committee took a view that observations of CPCB on the action plan submitted for Priority-I Polluted river stretch, such as Flood plain zone protection and its management, rain water harvesting, ground water recharge aspect, maintaining E-Flows and water shed management, Good irrigation practices setting up of Biodiversity parks including removal of encroachment and plantation on both sides of rivers etc for rejuvenation are not practically implementable for such a small storm water drain, like Gangua which is approximately 30-40 Km long. Therefore it was decided to inform CPCB with enough justification for un-implementability of some of the observations.	Mentioned in the Action Plans submitted to CPCB.	--
8.	Water Resource Department shall continue to discharge water of Daya West Canal to Gangua nallah through Palasuni escape till the monsoon.	Water Resource Department is releasing 60-100 cusec water from Daya West canal through Palasuni escape to Gangua nallah till the onset of monsoon.	Member Secretary, SPCB informed that even after release of such volume of water to Gangua

			nallah, BOD still remain above the tolerance limit of 3.0 mg/L. Therefore, more volume of water needs to be released till the commissioning of STPs by Housing and Urban Development Department. Chief Engineer, HH, GIS & CEM in Water Resource Department informed that as Daya West Canal is meant for irrigation purpose, it is difficult to release water more than the 50-60 cusec water. It was decided that the H & UD Department will expedite the increase in capacity utilization of already commissioned four STPs and completion of the construction of fifth STP within the scheduled time and till that period, Water Resource Department may release water during lean period from Daya West Canal to Gangua nallah in consultation with the SPCB.
9.	The Water Resource	Water Resource Department	Member

	Department shall ensure no discharge of wastewater of Cuttack city to river Kathajodi through Khannagar to sluice Gate	has communicated to Cuttack Municipal Corporation vide letter No. 23228 dated 06.9.2021 to provide the status on discharge of wastewater of Cuttack city to river Kathajodi through Khannagar to sluice Gate.	Secretary, OWSSB informed that soon after the commissioning of 16 MLD STP at Mattagajpur, no waste water will be discharged through Khan nagar.
10.	The authority of Rourkela Steel Plant shall be requested to release water from Mandira dam to Sankh river to increase the flow in river Brahmani	SPCB has requested Rourkela Steel Plant authority vide letter No. 1871 dated 11.12.2019 to release water from Mandira dam to Sankh river to increase the flow in river Brahmani.	Authority of Rourkela Steel Plant has informed vide letter No. 1871 dated 11.12.2019 that RSP will explore all possibilities to release water from Mandira dam during lean period, after meeting needs of small scale and medium scale industries and of RSP located on the bank of Sankh river to maintain e-flow of Brahmani river. It was decided that the H & UD Department will expedite the increase in capacity utilization of already commissioned one STPs within the scheduled timeline so that the treated waste water will be released to Brahmani river and thereby need of discharge of water from

			Mandira dam may be avoided.
11.	The action points for the 9 polluted river stretches shall be circulated to the concerned Departments for submission of action taken reports so far taken for discussion in the next River Rejuvenation Committee Meeting	Communicated vide letter No. dated 1830 dated 02.12.2019	Monthly Progress reports of these stretches are being provided by the concerned Departments on regular basis.
12.	The SPCB shall make a survey of the wastewater drains apart from the 10 major drains leading of Gangua nallah for identification of source of pollution.	SPCB has identified three more drains in addition to already identified ten drains and being monitored regularly on monthly basis with respect to BOD and FC.	Water quality of these drains are being shared to NMCG in Monthly Progress Reports.
1st Meeting held on 08.01.2020 (Central Monitoring Committee, Govt. of India)			
a.	Secretary, DWR, RD & GR, Ministry of Jal Shakti directed that all States/ UTs must have recycle and reuse of water as a policy and must undertake regulatory measures to enforce the same.	Chief Engineer, HH, GIS & CEM in Water Resource Department informed that recycle and reuse of water is a component of the water allocation principle to different industries. Member Secretary, SPCB informed that directions are being given to recycle and reuse of treated waste water and to adopt Zero discharge concept under the consent administration.	It was decided that SPCB will strengthen the monitoring mechanism for the implementation of the recycle, reuse and zero discharge concept of treated waste water.
2nd meeting held on 19.02.2020			
a.	All states to identify Nodal Officer for submission of MPR and coordination with NMCG in the matter, Particulars of Nodal Officer may be furnished for ready coordination (Preferably Member Secretary, State	SPCB is regularly submitting the MPR to NMCG in the prescribed format.	It was decided that the F, E and CC will notify regarding the nomination of Nodal Officer.

	Pollution Control Board). Format for MPR has been given.		
b.	All the States must develop a monitoring mechanism, online or app based, for monitoring the functionality of the STPs and the discharge water quality. Also, one officer in each state may be earmarked to compile and regularly monitor all STP data and ensure that corrective action is taken by all the concerned agencies.	Member Secretary, SPCB informed that CPCB has developed an online portal for monitoring the functionality of the STPs and the discharge water quality.	It was decided that SPCB will share the login ID and password with the H and UD Department for the purpose.

c.	States/ UTs/ Local bodies are responsible for sewage treatment by setting up of required sewerage infrastructure so that the rivers are not polluted and compliance of the orders of NGT shall not be linked with the financial assistance from Ministry of Jal Shakti.	Member Secretary, OWSSB informed that 10 STPs of installed capacity of 266.50 MLD is operating in Cuttack, Puri, Talcher, Rourkela and Bhubaneswar city in which at present 90.12 MLD waste water is being treated.	It was decided that H * UD Department will expedite the sewerage network infrastructure to attain total capacity utilization capacity of the STPs.
3rd meeting held on 23.06.2020			
a.	States to regularly submit soft copies of the MPRs containing details of all the stretches to NMCG by 20 th of every month	Member Secretary, SPCB informed that the MPRs in the prescribed format are being regularly submitted to NMCG .	--
b.	Shri A. Sudhakar, Additional Director CPCB, informed that with regard to change in priority of rivers due to improvement in water quality, not only BOD but 5 parameters, including Fecal Streptococci, (viz. pH, DO, BOD, Fecal Coliform and Fecal Streptococci) needs to be	Member Secretary, SPCB informed that all the stated five parameters are being monitored by the Board and the compiled data of last two years will be submitted to CPCB along with the physical evidences of actions taken.	--

	monitored as per the notification of MoEF & CC, and these should be looked upon and strictly followed by RRC. A 2 year monitoring data with 5 parameters needs to be examined before any change in priority of river stretch is notified.		
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4th meeting held on 20.07.2020

a.	In order to ensure proper functioning of STPs with maximum possible capacity utilization, insisted for expediting sewer networks to be put in place and also to provide house service connections simultaneously.	Member Secretary, OWSSB informed that 10 STPs of installed capacity of 266.50 MLD is operating in Cuttack, Puri, Talcher, Rourkela and Bhubaneswar city in which at present 90.12 MLD waste water is being treated. House service connections to the sewerage networks are in progress	It was decided that H & UD Department will expedite the sewerage network infrastructure and house sewer connections to attain total capacity utilization capacity of the STPs.
b.	State needs to provide details of Town-wise and Stretch-wise septage management undertaken in the entire State.	Member Secretary, SPCB informed that only total numbers of septage management undertaken in the entire State are being provided by OWSSB.	It was decided that H & UD Department to provide updated status of details of Town-wise and Stretch-wise septage management undertaken in the entire State to the SPCB in each month to include in MPR.
c.	Quantity of industrial effluent generated, number and capacity of installed ETPs also needs to be provided.	Member Secretary, SPCB informed that such information are being regularly provided to NMCG in the MPR.	It was decided that SPCB will explore the coordination of Directorate of

			Industries to strengthen the monitoring mechanism of Industrial effluents management.
5th meeting held on 31.08.2020			
a.	ED (Tech), NMCG informed that as per CPCB 2015 report, sewage generation in the State is estimated to be 1273 MLD, whereas, as per the information provided by the State in their dossier, it is reported to be 4200 MLD which includes sewage from rural areas also. Secretary, Ministry of Jal Shakti observed that the figure of sewage generation of 4200 MLD seems to be not realistic and asked the State Government to reconcile and confirm the same.	Member Secretary, SPCB informed that at present wastewater generation from only 6 ULBs (Bhubaneswar, Puri, Cuttack, Sambalpur, Rourkel and Talcher) are being provided by the H & UD Department instead of the quantity of wastewater generation of the entire state.	It was decided that the H and UD Department will take immediate steps to reconcile the total quantity of wastewater generation in the State as this remains an issue in the CMC Meetings.
b.	Amount of sewage being treated by STP and FSTP needs to be provided separately.	Member Secretary, OWSSB informed that amount of sewage being treated by STP and FSTP are being provided separately.	--
c.	Similarly, progress made in on-going and proposed projects of STP and FSTP to be provided separately.	Member Secretary, OWSSB informed that progress made in on-going and proposed projects of STP are being provided separately.	It was decided that the H and UD Department will provide progress made in on-going and proposed projects of FSTP to SPCB on regular basis.
6th meeting held on 30.9.2020			
a.	Each State should have proper database with regards to sewage, industrial effluent, solid waste,	Member Secretary, SPCB informed that database with regards to sewage,	It was decided that such databases

	hazardous waste and biomedical waste as well as its management. Data should be collected in respect of the whole State and also proper monitoring mechanism should be adopted by the States.	industrial effluent, solid waste, hazardous waste and biomedical waste generation as well as its management	should be regularly updated and the monitoring mechanism of the implementation of the respective waste management rules are to be strengthened.
b.	It was highlighted that management of solid waste is a major issue apart from sewage & industrial effluent, which also needs adequate attention and monitoring of the existing infrastructure.	--	It was decided that H & UD Department will strengthen the monitoring mechanism for the proper management of solid waste.
c.	The States need to ensure that the existing solid waste processing facilities are optimally utilized, sanitary landfill sites are properly maintained, dumping on floodplains/ghats needs to be prevented & checked regularly, and screens/ traps may be installed on the drains and should be regularly cleaned.	--	It was decided that the H & UD Department will take necessary actions in this regard.
d.	CSR funds may be tapped for sewage management and Ministry of Jal Shakti should take lead in assisting States in this regard. With regards to tapping of CSR funds, States should look for contribution of big industries in their State and should engage them.	--	It was decided that the Directorate of Industries will take a lead role in contributing financially for the sewage management of the State.

7th meeting held on 09.11.2020

a.	Model River being adopted by the	Member Secretary, SPCB	It was decided
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	State to be identified and specified in the MPR.	informed that vide letter 3277 dated 22.07.2020, OWSSB has identified Cuttack stretch of Kathajodi river as model river for restoration purpose. The BOD and TC levels in the stretch is not conforming to the designated best use classification due to discharge of wastewater through Khan nagar Sluicgate.	that the H & UD Department will expedite the work to complete the installation of 16 MLD STP at Mattagajpur and to divert the wastewater which is being discharged through Khan nagar Sluicgate to the STP within the scheduled period of December, 2021.
b.	As per the directions of NGT, Action Plan for addressing the coastal zone pollution needs to be prepared and submitted to CPCB.	Member Secretary, SPCB informed F & E Department has submitted the coastal zone management Plans of coastal districts of Odisha to CPCB as Action Plans. However, CPCB desires a more detailed action Plan for restoration of Coastal stretch.	It was decided that as the action plans are to cover pollution aspects for restoration purpose, the SPCB will prepare the Action Plans on an urgent basis for submission to CPCB.
8th meeting held on 05.01.2021			
a.	Secretary, Ministry of Jal Shakti suggested that the State needs to improve the utilization capacity of the existing STPs	The matter has already been discussed.	--
9th meeting held on 04.03.2021			
a.	States were directed to ensure	--	--

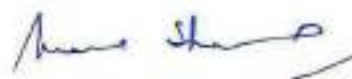
	compliance with the Directions passed by NGT vide its latest order dated 22.02.2021 .		
	River Rejuvenation Committees in the States/UTs and CMC to continue functioning.	--	It was decided to conduct regular meeting of the River Rejuvenation Committees.
	Statutory mechanism existing in form of October, 2016 Ganga Authority Notification may be adopted for all the river stretches as issues involved are common. States were requested to refer to the Authority notification available on NMCG website.	--	It was decided to explore the need of adoption of Statutory mechanism existing in form of October, 2016 Ganga Authority Notification for the rivers in the State.
b.	States/UTs to ensure that all the rivers in the country should attain good health and to ensure the quality is not degraded.	Members Secretary, SPCB informed that all 11 river systems are being monitored on monthly basis at 129 monitoring stations with respect to its water quality.	--
c.	Fecal coliform should be a parameter for monitoring of polluted river stretches.	Members Secretary, SPCB informed that Fecal Coliform is being monitored at all river stations and being communicated to CPCB.	--
10th meeting held on 09.07.2021			
a.	State should take steps to maintain e-flow in the rivers, in order to ensure sustenance of river ecology.	--	It was decided that the Water Resource Department to take action in the regard for calculation of e-

			flow of the rivers and mechanism of e-flow maintenance of rivers during non-monsoon periods.
b.	In compliance to the directions of NGT in the matter OA No 325 of 2015, States should take steps in inventorizing the existing water bodies and efforts should be made in maintaining/improving the water quality and conserving of the water bodies.	Chief Engineer, HH, GIS & CEM in Water Resource Department informed that actions are being taken to inventorize the existing water bodies and preparation of action plans for maintaining/improving the water quality and conservation of the water bodies.	—
c.	Timeline of NGT for completion of STPs is already over and the States need to take fresh permission from NGT for extension of the timelines.	—	It was decided that the H & UD Department to seek fresh permission for extension of the timeline, if required, to the Hon'ble NGT for completion of STPs, sewerage network and household sewer connections.
d.	The State Government needs to ensure compliance of industrial units with the environmental norms and not contribute to pollution load to any of polluted river stretches and/or the recipient water bodies.	Member Secretary, SPCB informed that this is being monitored under the consent administration of the Board. Show cause Notice or Closure Notice are being issued to the defaulting industrial units in case of violations.	—
e.	For Bhubaneswar and Cuttack,	—	It was decided

	agreement has been signed for setting up 550 TPD centralized Waste to Energy Plant. The State Government was asked to expedite the same in order to ensure compliance to the Solid Waste Management Rules, 2018.		that the H & UD Department to expedite the matter on an urgent basis.
Public Grievance Portal of NMCG			
a.	An online Public Grievance portal has been developed by NMCG to enable easy filing and redressal of public grievance with regards to illegal discharge of sewage/effluents. The portal may be regularly monitored and the issues are to be addressed within the stipulated time period.	Member Secretary, SPCB informed that the portal is being checked on daily basis to keep track of public grievance. No complain has been received in the portal since its installation on 12.01.2021 to 02.09.2021.	—

Besides the above matter, Additional Chief Secretary, F, E and CC Department, Govt. of Odisha also suggested to conduct monthly/ quarterly review of water quality status of surface water bodies and to initiate appropriate actions to restore the water bodies.

The meeting ended with vote of thanks to the Chair.



Additional Chief Secretary

Forest, Environment and Climate Change Department



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STATE POLLUTION CONTROL BOARD, ODISHA

[DEPARTMENT OF FOREST, ENVIRONMENT & CLIMATE CHANGE, GOVERNMENT OF ODISHA]

Paribesh Bhawan, A/118, Nilakanthanagar, Unit-VIII,
Bhubaneswar – 751 012

No. 7876

VISC(LEM)Proj-206(Vol-II)/20-21

Dt. 06.5.2022

Meeting/ Urgent By Mail

To

The Additional Chief Secretary, Forest, Environment and Climate Change Department
The Principal Secretary to Govt., Water Resources Department
The Principal Secretary to Govt., Housing and Urban Development Department
The Commissioner, Bhubaneswar Municipal Corporation

Sub : Taking up a high level meeting for early completion of the ongoing sewerage treatment plants on the river side of Daya for ameliorating water pollution level- Reg.

Ref : This office Letter No. 7095 dated 22.4.2022

Sir,

In inviting a reference to the above captioned subject, I am directed to enclose herewith the minutes of the meeting on Restoration of Daya River held on 30.04.2022 at 12:30 PM under the Chairmanship of the Chief Secretary, Odisha for your kind information.

The compliance to the minutes may please be intimated within 27th May, 2022.

Yours faithfully,

Encl : As above

Member Secretary

Memo No. 7877

Date 06.5.2022

Copy forwarded to Sri Umakanta Samantaray, Hon'ble Member, Odisha Legislative Assembly, Satyabadi, Puri for kind information.

Encl : As above

Member Secretary

Memo No. 7878

Date 06.5.2022

Copy forwarded to the Officer on Special Duty (OSD) to Chief Secretary, Odisha for kind information of the Chief Secretary.

Encl : As above

Member Secretary

MINUTES OF THE MEETING ON RESTORATION OF WATER QUALITY OF DAYA RIVER HELD ON Dt. 30.04.2022 at 12:30 PM UNDER THE CHAIRMANSHIP OF THE CHIEF SECRETARY, ODISHA THROUGH VIRTUAL MODE

The meeting was held on Dt. 30.4.2022 to review the actions taken on restoration of Daya river along Bhubaneswar with reference to the issue raised by Sri Umakanta Samantray, Hon'ble MLA, Satyabadi vide letter No. 1081/MS dated 11.04.2022.

Dr. K. Murugesan, IFS, Member Secretary, State Pollution Control Board, Odisha welcomed all the members who have virtually attended the meeting. Then, with the permission of the Chair, Member Secretary made a power-point presentation on the water quality status of Daya river, Gangua nallah and wastewater drains falling on Gangua nallah during the year 2021. It was informed that water quality of Daya river has been deteriorated due to the discharge of untreated wastewater of Bhubaneswar city through Gangua nallah. He also informed that so far 4 numbers of Sewage Treatment Plants with total treatment capacity 135.5 MLD have been installed for treatment of wastewater and one more STP with treatment capacity of 58 MLD is under progress. But the capacity utilization of these STPs is very less i.e., 19 MLD as per the information received from H & UD Department during March, 2022. Therefore it is necessary to expedite the actions to be taken by H & UD Department to increase the capacity utilization of the STPs.

Thereafter, Sri G. Mathi Vathanan, IAS, Principal Secretary, Housing and Urban development Department made a detailed presentation before the members on the actions taken for sewage treatment and septage treatment in Bhubaneswar city and the bottlenecks faced for early completion of the sewage Treatment Plants. He mentioned that as on April, 2022, the construction work of 58 MLD STP at Rokati is approximately 90 % completed and the completion time line is June, 2022. Besides these, two numbers of septage treatment plants of each 75 KLD capacity have been commissioned to treat fecal sludge generated in the city.

He also informed that besides the ground sewer connections to the pumping stations of the STP, it is also necessary to identify the other polluting sources to Daya river, Gangua nallah and also contributing to the waste-loads to the wastewater drains of the city. He has suggested the followings five points as additional measures to control the river pollution due to discharge of untreated wastewater.

1. Track all the 10 major drains and track all pollution sources from the river discharge points to backward. Google map may be referred to for tracking the sources.
2. Ground tooting to be done to check if all major housing complex/ apartments/ have either functional captive STP or connected to the city sewer system.

3. Verify all major polluting sources including housing, commercial, institutional and industrial establishments and take remedial actions.
4. Identify land parcels on either side of the major and tributary drains for construction of interception and diversion weir and stabilization ponds for enroute treatment and discharge back to drain
5. Identify the major pollution sources outside the BMC limits in the peri-urban and rural areas adjoining the Daya River stream basing on Satellite map information and take up remedial measures.

Sri Umakanta Samantray, Hon'ble MLA, Satyabadi has informed that due to water quality deterioration of Daya river and Gangua nallah, fish population in the river waters are getting decreased and also people in the downstream face a lot of difficulties in getting drinking water. Therefore, he requested to take urgent steps to address these issues.

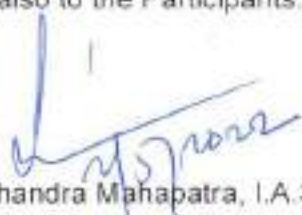
The Chairman desired that necessary steps may be taken to complete the commissioning work of these five STPs within the scheduled timeline so as to achieve the goal of no untreated wastewater being discharged to river bodies.

He also desired that Water Resource Department may take necessary action to release water from Daya West Canal/ Kuakhai river to Gangua nallah so that sufficient dilution will be made available in Gangua nallah.

The Housing and Urban Development Department in coordination with the Regional Office, State Pollution Control Board, Bhubaneswar is to act on the suggestions made by Sri Mathi Vathanan, IAS and to place the action taken report before the next meeting.

The next meeting will be held on the first week of June, 2022.

The meeting ended with vote of thanks to the Chair and also to the Participants.


 Shri Suresh Chandra Mahapatra, I.A.S.
CHIEF SECRETARY, Govt. of Odisha



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STATE POLLUTION CONTROL BOARD, ODISHA
[DEPARTMENT OF FOREST, ENVIRONMENT & CLIMATE CHANGE, GOVERNMENT OF ODISHA]
Paribesh Bhowan, A/118, Nilakanthanagar, Unit-VIII,
Bhubaneswar - 751 012

No. 11921

VSC(LEM)Proj-302/2022-23

Dt. 08-7-2022

By Mail

To

The Additional Chief Secretary, Forest, Environment and Climate Change Department
The Principal Secretary to Govt., Water Resources Department
The Principal Secretary to Govt., Housing and Urban Development Department
The Commissioner, Bhubaneswar Municipal Corporation

Sub : 2nd High Level meeting for early completion of the ongoing sewerage treatment plants on the river side of Daya for ameliorating water pollution level- Reg.

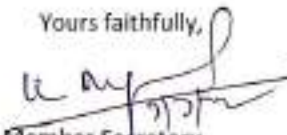
Ref : This office Letter No. 11067 dated 27.6.2022

Sir,

In inviting a reference to the above captioned subject, I am directed to enclose herewith the minutes of the meeting on Restoration of Daya River held on 02.7.2022 at 4:00 PM under the Chairmanship of the Chief Secretary, Odisha for your kind information and necessary action.

Yours faithfully,

Encl : As above

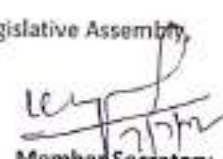

Member Secretary

Memo No. 11922

Date 08-7-2022

Copy forwarded to Sri Umakanta Samantaray, Hon'ble Member, Odisha Legislative Assembly, Satyabadi, Puri for kind information and requested to attend the said meeting.

Encl : As above

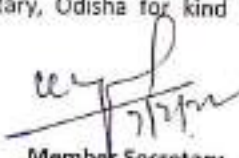

Member Secretary

Memo No. 11923

Date 08-7-2022

Copy forwarded to the Officer on Special Duty (OSD) to Chief Secretary, Odisha for kind information of the Chief Secretary.

Encl : As above


Member Secretary

Contd.,

Memo No. 11924

Date 08-7-2022

Copy forwarded to the Additional Chief Environmental Engineer, State Pollution Control Board, Odisha for kind information and necessary action.

Encl : As above


Member Secretary

Memo No. 11925

Date 08-7-2022

Copy forwarded to the Regional Officer, State Pollution Control Board, Odisha, Bhubaneswar for kind information and necessary action.

Encl : As above


Member Secretary

**MINUTES OF THE 2nd HIGH LEVEL MEETING ON RESTORATION OF WATER QUALITY OF
DAYA RIVER HELD ON Dt. 02.7.2022 at 4:00 P.M. UNDER THE CHAIRMANSHIP OF
THE CHIEF SECRETARY, ODISHA THROUGH VIRTUAL MODE**

.....

The 2nd High Level meeting was held on Dt. 02.7.2022 to review the actions taken on the restoration of Daya river along Bhubaneswar with reference to the issue raised by Sri Umakanta Samantray, Hon'ble MLA, Satyabadi vide letter No. 1081/MS dated 11.04.2022.

Dr. K. Murugesan, IFS, Member Secretary, State Pollution Control Board, Odisha welcomed all the members who have virtually attended the meeting. Then with the permission of the Chair, Member Secretary made a power-point presentation on the compliances made by the Board to the actions suggested in the 1st high level meeting held on dated 30.4.2022 at 12:30 PM. Analysis results of the joint water quality monitoring study of Daya river, Gangua nallah, Daya West Canal and ten drains falling on Gangua nallah, carried out with BMC officials in the month of May, 2022 was also presented. High concentrations of Biological Oxygen Demand (BOD) and coliform bacteria beyond the tolerance limits was noticed in Ganguanallah, Daya river and Daya West canal. As per the Information received from Water Resources Department, 6 -25 cusec/ day water was released from Daya West Canal through Palasuni Escape to Gangua nallah during June, 2022. Monthly average of the discharge was 16 cusec/day. As no significant improvement in water quality of Gangua nallah and Daya river has been observed with such low volume of water discharge, it is suggested to increase the water discharge quantity to upto 70-80 Cusec/day to Gangua nallah.

Sri Bhakta Ranjan Mohanty, Chief Engineer, Mahanadi Kathajodi Systems, Water Resources Department informed that at present maximum 20 cusecs per day water can be discharged from Daya West Canal to Gangua nallah. Because of heavy weed upto 1 meter height in Daya West canal, there is no driving force in the canal to support the discharge of more volume of water to Gangua nallah. Therefore, de-weeding of Daya West canal is necessary to discharge the desired volume of water to Gangua nallah. From 25th June, 2022, 500 cusec per day water is being discharged from Puri Main canal through Achyutpur Escape before Uttara to Daya river.

Thereafter, Er. P.K. Panigrahy, Project Director, WATCO made a presentation on the actions taken in compliance to the decisions taken in the 1st high level meeting as detailed below.

Decisions of 1 st meeting on Dt. 30.4.2022	Compliance and action taken
1. Track all the 10 major drains and track all pollution sources from the river discharge points to backward. Google map may be referred for tracking the sources.	Complied. Preparation of GIS map indicating all the 11 drains and Gangua nallah and Plotting of water quality parameter corresponding to the drains have been completed. Water quality monitoring of all major drains falling on Gangua nallah, water quality of Daya West canal, Gangua nallah and Daya river were carried out in coordination with the State Pollution Control Board, Odisha

2. Ground trothing to be done to check if all major housing complex/ apartments/ have either functional captive STP or connected to the city sewer system.	Complied. Out of 68 responses received from Hotel, restaurants and Commercial establishments, 23 units have their functional treatment facilities and rest 45 units are directly discharging the wastewater to the nearby drains/ water bodies.
3. Verify all major polluting sources including housing, commercial, institutional and industrial establishments and take remedial actions.	Similarly, out of 268 responses received from Housing Societies (population : 1,03,907), only 91 societies (population : 43,994) have their own functional treatment facilities, whereas rest 177 societies are directly discharging the wastewater to nearby drains (population = 59,913). Regarding industrial establishments, assistance of State Pollution Control Board is needed to collect the information.
4. Identify land parcels on either side of the major and tributary drains for construction of Interception and Diversion weir and stabilization ponds for enroute treatment and discharge back to drain	Complied. Treatment in STPs identified

Sri G. Mathi Vathanan, IAS, Principal Secretary, Housing and Urban development Department informed that the 56 MLD STP at Meherpalli has been commissioned and started functioning. The sewer network and targeted house hold sewer connection will be completed by December 2022. The 48 MLD STP at Rokati will be completed by October-December, 2022.

Besides, the Centralised wastewater treatment system like installation of STPs and connecting through Sewer network, he also stressed upon the decentralized wastewater system like onsite sanitation system, containment of sewage and septage and measures to take them to the Septage treatment plants. At present there are two septage treatment system each of 75 KLD operating in Bhubaneswar. As house sewer connection is a long run process, installation of STPs, installation of pumping stations and connecting with sewer networks cannot be the only solution for restoration of river water quality. Therefore, every establishment is supposed to have a septic tank and are supposed to contain their waste within their premises and de-sludge through the cesspool vehicles for transportation to the Septage treatment plants.

Further indiscriminate discharge by cesspool vehicle operators should be regulated through strict combined enforcement by the Bhubaneswar Municipal Corporation, Transport Department and Police authorities.

There are 177 housing societies and 47 commercial establishments do not have their own treatment systems and are directly discharging to the nearby drains. As these are not in sewer network areas, they should establish their own captive standalone treatment facilities as per the approved BDA guidelines.

Therefore BDA and BMC together have to take strict enforcement measures and impose penalty system for violation.

For collection of information from industrial establishments, coordination of Pollution Control Board is essential and should lead the team, issue necessary notices to the industrial establishments and submit the report within a three-week time on whether these are having functional ETPs/ STPs , and their discharge point.

He also suggested to take up the de-weeding and dredging of Daya West Canal and Gangua nallah by the Water Resource Department to increase the flow and attain dilution in these two water bodies. Further, the Pollution Control Board is to continue the water quality testing of the water bodies under concern.

Sri Vijay Amruta Kulange, IAS, Commissioner of Bhubaneswar Municipal Corporation informed that a Task force has been constituted for strict monitoring and surveillance of registration of cesspool vehicles, 100 % geo-tagging of the vehicles, installation of CCTV for illegal discharge of septage, monitoring through Smart City Bhubaneswar Dashboard and encroachment over Gangua nallah. Actions are also being taken for identification of community toilets without septic tanks and micro-level saturation of community toilets with septic tanks.

At the last, the Chairman appreciated the actions already taken by the related Departments and the Board and directed to take actions on the followings .

1. Joint inspection of Industrial establishments in Bhubaneswar by State Pollution Control Board and officials from H& UD and BMC to check the functionality of the treatment systems. In case of violation, the Pollution Control Board may issue notices to the violators. The report has to be submitted within three week.

(Action: SPCB, H & UD, BMC)

2. In case of non-sewer network areas, strict enforcement on the installation of captive septic tanks by the housing colonies and commercial establishments as per the BDA guidelines during construction period and de-sludging through cess pool vehicles for transportation to the septage treatment plants. Discharge through nearby drains will be strictly prohibited.

(Action: BMC)

3. Strict enforcement to control the indiscriminate illegal discharge by cesspool vehicle operators through registration with BMC, 100 % geo-tagging of the vehicles, cancellation of the license and seize of the vehicles in case of violators.

(Action: BMC, RTO, Bhubaneswar)

4. All housing colonies and commercial establishments in the sewer network areas should be connected with the Sewer network. Till the connection period, these units should have their captive septic tanks for containment of the sewage and seepage and remove them through only cesspool vehicle operators.

(Action: BMC)

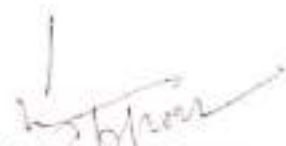
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5. Connection of sewer networks with the functional STPs should be done by December, 2022.
(Action: H & UD)
6. Sufficient discharge of water from Daya West canal upto the maximum flowing capacity of Gangua nallah by maintaining its gradient & discharge of 500 cusec/day water from Puri main canal to Daya river during non-monsoon period.
(Action: WR Department)
7. Regular water quality monitoring of drains outfalling to Gangua nallah, Daya West canal, Gangua nallah and Daya river.
(Action: SPCB)
8. Restoration of Daya West canal water by identifying the source of pollution and to take steps to de-weeding of the canal and control the discharge of pollution to the canal. Widening of the roads on both side of the canal to make a 4-lane road keeping canal on the middle so as to prevent the growth of human habitation on the sides of canal.
(Action: BMC , Irrigation Department & PWD)
9. Take all pollution control measures within December, 2022 so as to attain the goal of BOD 3.0 mg/L, and total Coliform bacteria within 5000 MPN/100 ml in Ganguanallah and Daya river.

Concluding Remarks :

As the Gangua nallah and Daya river are being regularly reviewed by National Green Tribunal and the Hon'ble High Court, stringent action needs to be taken to restore the water quality of the water bodies to safeguard the health of public at the downstream of the rivers and also to restore the water quality of Chilika lake.

The meeting ended with vote of thanks to the Chair and also to the Participants.


Shri Suresh Chandra Mahapatra, I.A.S.
CHIEF SECRETARY, Govt. of Odisha

Latest Water quality of polluted river, its tributaries, drains and ground water quality in the catchment of Polluted River stretches during December, 2022

Polluted River stretch: December, 2022

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	1.7	9.5	>160000	>160000	220	NC
	Palasuni	6.8	< 0.3	11	>160000	>160000	280	NC
	Samantarapur	7.1	0.7	10	>160000	>160000	350	NC
	Vadimula	7.1	2.9	7	54000	24000	170	NC
2. Daya River (Bhubaneswar to Bargarh) (Priority-IV)	Bhubaneswar D/s at Kanti	7.7	10.2	4.5	92000	54000	170	NC
	Bhubaneswar FD/s at Manitri	7.8	10.1	4	92000	54000	130	NC
	Daya at Kanas	7.1	7.1	2.6	2400	790	13	C
3. Kuakhai River (Uruli to Bhubaneswar) (Priority-IV)	Bhubaneswar FU/s	8.3	7.7	1.1	2400	1100	11	C
	Bhubaneswar U/s	7.9	8.3	1.2	3500	1300	22	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0, min	3.0, max	-	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
Old town-Samantarapur Area	October, 2022	7.1	< 1.0	4.526	920	350
Chandrasekharapur	October, 2022	7.4	< 1.0	8.919	<1.8	<1.8
Khandagiri Area	October, 2022	6.9	< 1.0	2.617	<1.8	<1.8
Capital Hospital Area,	October, 2022	7.1	< 1.0	4.074	<1.8	<1.8
Laxmisagar area	October, 2022	6.8	< 1.0	16.788	<1.8	<1.8
Secretariate-Govenor House- Old bus stand Area	October, 2022	6.7	< 1.0	18.414	1600	140
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	3.0, max	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 (December, 2022)

Sl. No.	Drain Name	BOD (mg/L)	FC (MPN/ 100 mL)
1	Drain No. 1A at Patia (Near Sree Leather)	40.0	>160000
2	Drain No. 1 (after Confluence of Drain 1 and 1A) at Patia near Club Town	40.0	>160000
3	Drain No 1 (after confluence of Drain 1, 1A, 1B and 1C) at Kalikhamar railway bridge	53.0	>160000
4	Drain No. 3 (after confluence of Drain No. 2) at Sameigadia	70.0	>160000
5	Drain No. 4 at Chakeisiani Canal Road	85.0	>160000
6	Drain No. 5 at Laxmi Vihar Phase-II	113.0	>160000
7	Drain No. 6 at Badagada	133.0	>160000
8	Drain No. 7 near Mahabir Road Culvert, Samantarapur	73.0	>160000
9	Drain No. 8 (after confluence of Drain No. 8A) at Gandamunda	65.0	>160000
10	Drain No. 9 at Ghatikia (Near DFO Office)	125.0	>160000
11	Drain No. 9 (after confluence of drain No. 8) at Botanda	50.0	>160000
12	Drain No 10 at Jharapada	75.0	>160000
13	Drain No. 11 near Kuha	3.5	450

Polluted River stretch: December, 2022

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
4. Kathajodi River (Cuttack to Urali) (Priority-III)	Cuttack D/s	8.1	3.6	3.8	17000	7900	33	NC
	Cuttack FD/s at Mattagajpur	7.9	3.4	4.0	7900	3300	14	NC
5. Serua River (Khandaeta to Sankhatrasa) (Priority-V)	Cuttack FD/s at Sankhatrasa	7.7	8.0	2.6	22000	13000	79	NC
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0, min	3.0, max	-	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, 2022	6.8	1.1	12.076	43	23
Madhupatna-Kalyan Nagar Area	October, 2022	6.7	1.2	4.561	31	23
GW,Bidanasi-Tulasipur	October, 2022	6.9	< 1.0	1.430	33	24
Badambadi Area	October, 2022	6.7	< 1.0	7.533	<1.8	<1.8
Mangalabag,	October, 2022	7.1	1.1	1.749	43	31
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	3.0, max	45	Absent	Absent

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

Characteristic of Drains falling on Kathajodi river (December, 2022)

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	7.3	3.5	15.0	23.0	54000	35000
2	Wastewater discharge to Kathajodi river at CDA-Bidanasi area	7.3	4.5	21.0	45.0	24000	7900
3	Wastewater discharge to Kathajodi river at Khannagar	7.2	63.0	127.0	140.0	>1,60,000	>1,60,000

Polluted River stretch: December, 2022

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
6. Guradih nallah Along Rourkela (Priority-III)	Rourkela (before confluence with Brahmani river)	7.2	5.2	6.3	160000	54000	170	NC
7. Brahmani (Rourkela to Biritola) (Priority-V)	Panposh D/s at Deogaon	7.1	7.2	4.0	24000	7900	23	NC
	Rourkela D/s at Jalda	7.1	7.1	3.4	17000	3300	13	NC
	Rourkela FD/s at Attaghat	7.4	7.2	2.8	330	78	<1.8	C
	Rourkela FFD/s at Biritola	7.5	8.7	2.5	490	130	<1.8	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0, min	3.0, max	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

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

Polluted River stretch : December, 2022

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 Dasanali	7.1	9.0	1.6	1700	330	NA	C
9. Banguru nallah Along Talcher (Priority-V)	Along Talcher	7.3	8.2	1.3	790	230	NA	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0, min	3.0, max	-	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, 2022	6.8	< 1.0	4.295	<1.8	<1.8
Meramundali area	October, 2022	7.4	< 1.0	3.551	130	33
Talcher Thermal area	October, 2022	6.9	< 1.0	3.449	<1.8	<1.8
Banarpal	October, 2022	7.1	< 1.0	2.502	<1.8	<1.8
Kulad	October, 2022	7.2	1.1	2.772	350	79
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	-	45	Absent	Absent

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

Polluted River stretch: December, 2022

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	7.8	1.9	490	130	<1.8	C
	Sambalpur FD/s at Shankarmath	8.2	7.4	1.8	330	110	<1.8	C
	Sambalpur FFD/s at Huma	7.9	7.8	1.6	1300	170	<1.8	C
	Sonepur U/s	8.0	8.0	1.1	79	23	<1.8	C
	Sonepur D/s	7.8	7.6	1.4	130	33	<1.8	C
	Tikarpada	7.6	7.6	1.2	130	23	NA	C
	Narasinghpur	7.6	8.6	1.1	490	130	<1.8	C
	Munduli	7.7	8.4	1.3	1100	330	<1.8	C
	Cuttack U/s	7.7	8.2	1.2	790	130	<1.8	C
	Cuttack D/s	7.8	8.4	1.6	4900	2200	5	C
	Cuttack FD/s	7.8	8.0	1.5	2200	1300	5	C
	Paradeep U/s	7.2	8.2	1.2	130	20	NA	C
	Paradeep D/s	8.1	8.0	1.7	170	20	NA	C
11. Bheden Along Bheden (Priority-V)	Jharsuguda	7.3	7.8	1.2	1700	490	<1.8	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0, min	3.0, max	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

Water quality of Tributaries of Mahanadi River (December, 2022)

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	7.2	7.8	1.3	490	130	NA	C
	Jharsuguda	7.1	8	1.1	1300	490	NA	C
	Brajrajnagar U/S	7.1	8.2	1.2	1100	220	NA	C
	Brajrajnagar D/S	7.3	7.4	1.5	2200	790	NA	C
Ong River	Dharuakhaman	8.1	7.2	1.3	220	49	NA	C
Tel River	Monmunda	7.9	7.8	1.5	170	49	NA	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0, min	3.0, max	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

NA – Not Analysed

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	November,2022	7.1	< 1.0	5.964	<1.8	<1.8
Near Railway station	November,2022	7.3	< 1.0	9.513	<1.8	<1.8
Near VSS Medical College, Burla	November,2022	7.2	< 1.0	0.818	<1.8	<1.8
Sonepur town Along Mahanadi River						
Near District Head Quarter Hospital, Sonepur	November,2022	7.8	< 1.0	18.075	<1.8	<1.8
Near Gundicha temple of Tentelghat, Sonepur	November,2022	8.0	< 1.0	19.318	<1.8	<1.8
Paradeep town Along Mahanadi River						
Badapadia market complex	October,2022	8.3	1.4	15.345	<1.8	<1.8
Musadiha	October,2022	7.8	1.5	16.053	<1.8	<1.8
Jharsuguda town in the catchment of Bheden river and Ib river						
Bhurkhamunda	October,2022	7.2	< 1.0	1.804	<1.8	<1.8
Badamal Industrial Estate	October,2022	6.8	< 1.0	9.441	<1.8	<1.8
Budhipadar	October,2022	6.7	< 1.0	15.345	<1.8	<1.8
Brajarajnagar Mining belt	October,2022	6.6	< 1.0	19.995	<1.8	<1.8
Rampur area (Water tank)	October,2022	6.6	< 1.0	3.675	<1.8	<1.8
Ib thermal power station	October,2022	6.8	< 1.0	2.147	<1.8	<1.8
Belpahar area	October,2022	7.1	< 1.0	2.790	540	350
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	-	45	Absent	Absent

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

Polluted River stretch: December,2022

Name of polluted river stretch	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C) / Non-Conforming (NC))
12. Mangala (Along Puri) (Priority-V)	Mangala D/s at Golasahi	7.2	10.4	2.6	2200	790	17	C
13. Luna (Along Bijipur, Puri) (Priority-V)	Luna at Bijipur	7.2	4.7	1.2	4900	1300	22	C
14. Ratnachira (Along Sakhigopal, Puri) (Priority-V)	Kumardihi	7.9	6.2	1.1	1100	330	NA	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0, min	3.0, max	-	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, 2022	7.5	< 1.0	1.643	<1.8	<1.8
Near Jagannath Temple,	October, 2022	7.5	1.7	1.412	220	33
Near Sea Beach	October, 2022	7.3	1.6	43.081	<1.8	<1.8
Baliapanda	October, 2022	8.0	< 1.0	19.016	<1.8	<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

Characteristic of Drain falling on Mangala River (December, 2022)

Sl. No.	Station Name	Parameters					
		pH	BOD, mg/l	COD, mg/l	TSS, mg/l	TC	FC
						MPN/100ml	
1	Outlet of STP, Puri at Mangalaghat 15 MLD)	7.3	5.9	38.0	34.0	<1.8	<1.8

Polluted River stretch: December, 2022

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)	Jaykaypur D/s	7.7	6.5	1.3	2400	1300	17	C
	Rayagada D/s	7.8	7.1	1.2	1100	330	13	C

Ground Water quality of Rayagada town along Nagavali river

Stn Name	Month	pH	BOD, mg/L	Nitrate-mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL
Kasturinagar, Rayagada	October, 2022	7.4	< 1.0	14.437	<1.8	<1.8
Within the premises of Badelapulama Temple, Rayagada	October, 2022	7.1	< 1.0	20.530	<1.8	<1.8
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	-	45	Absent	Absent

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

Polluted River stretch: December, 2022

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	6.6	8.4	1.3	4900	2300	27	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0, min	3.0, max	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

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

Polluted River stretch: December, 2022

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	7.7	10.8	1.5	4000	1700	NA	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0, min	3.0, max	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

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

Polluted River stretch : December, 2022

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 along Pratappur to Ganjam (Priority-V)	Madhopur	6.9	8.0	1.3	1700	490	13	C
	Potagarh	7.1	9.0	1.2	3300	1300	11	C
19. Sabulia Along Jagannathpatna, Rambha (Priority-V)	Jagannathpatna, Rambha	7.8	5.0	1.8	4900	2300	33	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0, min	3.0, max	-	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	November, 2022	8.2	< 1.0	15.783	<1.8	<1.8
Badabazar	November, 2022	7.5	< 1.0	8.436	<1.8	<1.8
Railway station	November, 2022	7.6	< 1.0	8.269	<1.8	<1.8
Bus stand	November, 2022	7.6	< 1.0	3.150	<1.8	<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/November of each year

Annexure- 8 (a)

Status of Polluted River stretches in the State of Odisha during the period 2017-2022 with Maximum BOD values during the year

Sl. No.	Polluted River Stretches identified by CPCB	Priority Category of Polluted River stretch						Remarks (During 2022)
		2017 (BOD mg/L, max)	2018 (BOD mg/L, max)	2019 (BOD mg/L, max)	2020 (BOD mg/L, max)	2021 (BOD mg/L, max)	2022 (upto December) (BOD mg/L, max)	
1.	Gangua River (Along Bhubaneswar)	Priority-I (39.0)	Priority-I (70.8)	Priority-I (39.2)	Priority-III (19.9)	Priority-IV (9.7)	Priority-III (16.0)	Priority has been reduced from I to III (Improved)
2	Daya (Bhubaneswar to Bargarh)	Priority-IV (7.3)	Priority-IV (7.4)	Priority-IV (7.3)	Priority-V (4.7)	Priority-V (4.6)	Priority-V (5.6)	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 (5.6)	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 (9.3)	Priority-IV (8.3)	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)	Priority-V (4.4)	No Improvement
6	Nagavali (Jaykaypur to Rayagada)	Priority-V (3.5)	Clean (2.8)	Clean (2.2)	Clean (2.1)	Clean (2.1)	Clean (2.4)	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-V (4.4)	Priority has been reduced from III to V (Improved)
8	Serua (Khandaeta to Sankhatrasa)	Priority-V (4.8)	Priority-V (5.5)	Priority-V (3.1)	Priority-V (3.8)	Priority-V (3.5)	Priority-V (4.2)	No Improvement
9	Ratnachira (Along Bhubaneswar, Puri)	Priority-V (3.3)	Priority-V (3.5)	Clean (2.7)	Clean (1.7)	Clean (2.4)	Clean (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 (1.9)	Clean (1.8)	Clean (Improved)
11	Kuakhai (Along Bhubaneswar)	Priority-IV (7.7)	Clean (1.6)	Clean (2.8)	Clean (1.8)	Clean (1.9)	Clean (1.9)	Clean (Improved)
12	Mahanadi (Sambalpur to Paradeep)	Priority-V (3.2)	Clean (2.3)	Clean (2.3)	Clean (2.7)	Clean (2.4)	Clean (2.6)	Clean (Improved)
13	Rushikulya (Pratappur to Ganjam)	Priority-V (3.4)	Priority-V (3.7)	Clean (2.6)	Clean (2.1)	Clean (2.6)	Clean (2.0)	Clean (Improved)
14	Banguru nallah (Along Talcher, Rengali)	Priority-V (3.2)	Priority-V (3.9)	Clean (1.9)	Clean (1.6)	Clean (1.9)	Clean (2.0)	Clean (Improved)
15	Bheden (Along Bheden)	Priority-V (3.6)	Clean (2.8)	Clean (2.0)	Clean (1.8)	Clean (1.5)	Clean (2.2)	Clean (Improved)
16	Kusumi (Along Talcher)	Priority-V (3.2)	Clean (1.7)	Clean (2.6)	Clean (2.0)	Clean (2.0)	Clean (1.6)	Clean (Improved)
17	Nuna (Along Bijipur)	Priority-V (3.1)	Clean (2.7)	Clean (2.5)	Clean (1.8)	Clean (1.6)	Clean (2.3)	Clean (Improved)
18	Sabulia (Jagannathpatna, Rambha)	Priority-V (5.0)	Clean (2.4)	Clean (2.2)	Clean (1.9)	Clean (2.0)	Clean (1.8)	Clean (Improved)
19	Budhabalanga (Mahulia to Baripada)	Priority-V (3.5)	Clean (2.8)	Clean (1.6)	Clean (1.9)	Clean (1.8)	Clean (2.0)	Clean (Improved)

Summary of Number of Polluted River Stretches under Different Category during the Period 2017-2022

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 (2021)	No. of polluted River stretch (Upto December, 2022)
Priority-I	1	1	1	Nil	Nil	Nil
Priority-II	Nil	Nil	Nil	Nil	Nil	Nil
Priority-III	3	Nil	Nil	1	Nil	1
Priority-IV	2	3	3	2	2	1
Priority-V	13	7	3	4	5	5
		8 (Clean)	12 (Clean)	12 (Clean)	12 (Clean)	12 (Clean)
Total :	19	19	19	19	19	19

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

Water quality of Rivers in Odisha during December, 2022

Total River water quality Monitoring Station: 129

No. of stations monitored: 129

No. of stations conforming to Bathing Water quality: 117

(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	7.2	7.8	1.3	490	130	NA	C
	2	Jharsuguda	7.1	8.0	1.1	1300	490	NA	C
	3	Brajrajnagar U/S	7.1	8.2	1.2	1100	220	NA	C
	4	Brajrajnagar D/S	7.3	7.4	1.5	2200	790	NA	C
Bheden	5	Jharsuguda	7.3	7.8	1.2	1700	490	<1.8	C
Hirakud Reservoir	6	Hirakud	8.2	8.2	1.1	330	78	NA	C
Mahanadi	7	Sambalpur U/S	7.6	7.6	1.1	330	130	NA	C
	8	Sambalpur D/S	8.3	7.8	1.9	490	130	<1.8	C
	9	Sambalpur FD/S at Shankarmath	8.2	7.4	1.8	330	110	<1.8	C
	10	Sambalpur FD/S at Huma	7.9	7.8	1.6	1300	170	<1.8	C
	11	Power Channel U/S	7.9	7.6	1.2	130	20	NA	C
	12	Power Channel D/S	7.6	7.8	1.6	490	110	NA	C
	13	Sonepur U/S	8.0	8.0	1.1	79	23	<1.8	C
	14	Sonepur D/S	7.8	7.6	1.4	130	33	<1.8	C
	15	Tikarpada	7.6	7.6	1.2	130	23	NA	C
	16	Narasinghpur	7.6	8.6	1.1	490	130	<1.8	C
	17	Munduli	7.7	8.4	1.3	1100	330	<1.8	C
	18	Cuttack U/s	7.7	8.2	1.2	790	130	<1.8	C
	19	Cuttack D/s	7.8	8.4	1.6	4900	2200	5	C
	20	Cuttack FD/s	7.8	8.0	1.5	2200	1300	5	C
	21	Paradeep U/S	7.2	8.2	1.2	130	20	NA	C
	22	Paradeep D/S	8.1	8.0	1.7	170	20	NA	C
Ong	23	Dharuakhaman	8.1	7.2	1.3	220	49	NA	C
Tel	24	Monmunda	7.9	7.8	1.5	170	49	NA	C
Kathajodi	25	Cuttack U/s	8.2	8.4	1.2	1100	230	NA	C
	26	Cuttack D/s	8.1	3.6	3.8	17000	7900	33	NC
	27	Cuttack FD/s at Mattagajpur	7.9	3.4	4.0	7900	3300	14	NC
	28	Cuttack FFD/s at Kamasasan	8.0	8.4	1.7	4700	2100	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	7.7	8.0	2.6	22000	13000	79	NC
Kuakhai	30	Bhubaneswar FU/s	8.3	7.7	1.1	2400	1100	11	C
	31	Bhubaneswar U/s	7.9	8.3	1.2	3500	1300	22	C
Daya	32	Gelapur	7.8	10.3	1.3	1300	330	23	C
	33	Bhubaneswar D/s	7.7	10.2	4.5	92000	54000	170	NC
	34	Bhubaneswar FD/s	7.8	10.1	4.0	92000	54000	130	NC
	35	Kanas	7.1	7.1	2.6	2400	790	13	C
Birupa	36	Choudwar	7.8	8.6	1.6	1700	790	NA	C
Gangua nallah	37	Rajdhani Engineering College	7.2	1.7	9.5	>160000	>160000	220	NC
	38	Palasuni	6.8	< 0.3	11.0	>160000	>160000	280	NC
	39	Samantarapur	7.1	0.7	10.0	>160000	>160000	350	NC
	40	Vadimula	7.1	2.9	7.0	54000	24000	170	NC
Kushabhadra	41	Bhingarpur	7.3	10.7	1.2	700	130	NA	C
	42	Nimapara	7.4	8.9	1.4	1700	790	NA	C
	43	Gop	7.3	8.9	1.2	1400	490	NA	C
Gobari	44	Kendrapada U/s	8.2	6.2	1.2	1700	790	NA	C
	45	Kendrapada D/s	8.1	5.6	1.6	2800	1300	NA	C
Mangala	46	Mangala U/s at Malatipatpur	7.4	6.3	1.3	1300	490	NA	C
	47	Mangala D/s at Golasahi	7.2	10.4	2.6	2200	790	17	C
Bhargavi	48	Chandanpur	8.0	7.1	1.3	3500	1300	NA	C
Devi	49	Machhagaon	8.0	7.6	1.3	2200	700	NA	C
Luna	50	Luna at Bijipur	7.2	4.7	1.2	4900	1300	22	C
Sabulia	51	Rambha, Jagatnnathpatna	7.8	5.0	1.8	4900	2300	33	C
Kusumi	52	Tangi	7.7	10.8	1.5	4000	1700	NA	C
Kansari	53	Banapur	7.8	7.2	1.1	2400	790	NA	C
Badasankha	54	Langalaeswar	7.9	8.8	1.2	4700	2200	22	C
Ratnachira	55	Kumardihi	7.9	6.2	1.1	1100	330	NA	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)			6.5-8.5	5.0, min	3.0, max	-	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	7.4	7.8	1.1	2400	790	NA	C
	2	Panposh D/S	7.1	7.2	4.0	24000	7900	23	NC
	3	Rourkela D/S at Jalda	7.1	7.1	3.4	17000	3300	13	NC
	4	Rourkela FD/s at Attaghat	7.4	7.2	2.8	330	78	<1.8	C
	5	Rourkela FFD/s at Biritola	7.5	8.7	2.5	490	130	<1.8	C
	6	Bonaigarh	7.4	7.1	1.2	1300	490	NA	C
	7	Rengali	7.7	8.6	1.1	130	49	NA	C
	8	Samal	7.5	10.0	1.3	2200	330	NA	C
	9	Talcher FU/S	7.5	7.6	1.2	330	130	NA	C
	10	Talcher U/s	7.4	8.4	1.1	490	220	NA	C
	11	Mandapal	7.3	8.2	1.2	4900	1700	NA	C
	12	Talcher D/S	7.3	8.0	1.7	1300	330	NA	C
	13	Talcher FD/S	7.4	8.2	1.6	490	170	NA	C
	14	Dhenkanal U/s	7.2	8.2	1.2	490	130	NA	C
	15	Dhenkanal D/s	7.4	6.4	1.5	790	220	NA	C
	16	Bhuban	7.4	7.2	1.2	1700	330	NA	C
	17	Kabatabandha	7.1	7.4	1.2	330	45	NA	C
	18	Dharmasala U/s	7.2	7.4	1.1	2200	330	NA	C
	19	Dharmasala D/s	6.9	7.5	1.5	1300	220	NA	C
	20	Pottamundai	8.1	8.0	1.5	1300	230	NA	C
Kharasrota	21	Khanditara	7.2	7.8	1.1	790	130	NA	C
	22	Binjharpur	7.6	7.6	1.1	3500	790	NA	C
	23	Ali	8.1	7.8	1.1	1100	330	NA	C
Nandira jhor	24	Nandira U/s	7.5	7.4	1.1	1300	170	NA	C
	25	Nandira D/s	7.1	9.0	1.6	1700	330	NA	C
Kisindajhor	26	Kisindajhor	7.2	5.8	1.1	490	130	NA	C
Sankh	27	Sankh U/s	7.1	9.8	1.1	3500	1300	NA	C
Koel	28	Koel U/s	7.3	6.6	1.2	1700	490	NA	C
Guradih nallah	28	Rourkela (before confluence with Brahmani river)	7.2	5.2	6.3	160000	54000	170	NC
Badajhor	30	Badajhor	7.3	6.8	1.2	2400	790	NA	C
Damsala	31	Dayanabil	7.3	7.6	1.3	490	78	NA	C
Gondanallah	32	Marthapur	7.1	7.7	1.1	1300	170	NA	C
Karo	33	Barbil	8.1	7.6	1.2	330	78	NA	C
Lingira	34	Lingira U/s	7.5	8.6	1.1	3500	1100	NA	C
	35	Lingira D/s	7.5	8.6	1.6	4700	1700	NA	C

Name of River	Sl. No.	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C)/ Non-Conforming (NC))
Ramiala	36	Kamakhyanagar	7.8	4.8	1.2	1300	490	NA	C
Bangurunallah	37	Bangurunallah	7.3	8.2	1.3	790	230	NA	C
Singadajhor	38	Singadajhor	7.3	6.4	1.4	790	130	NA	C
Tikira	39	Kaniha U/s	7.6	8.2	1.3	2100	680	NA	C
	40	Kaniha D/s	7.4	7.0	1.5	3300	1100	NA	C
Bangurusingadajhor	41	Bangurusingadajhor	7.6	7.4	1.6	490	130	NA	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)			6.5-8.5	5.0, min	3.0, max	-	500 (D) 2500 (P)	100 (D) 500 (P)	-

(C) Baitarani River system

Name of River	Sl. No.	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C)/ Non-Conforming (NC))
Kundra nallah	1	Joda	7.1	6.7	1.1	790	110	NA	C
Kusei	2	Deogaon	7.3	10.6	1.1	2800	1100	NA	C
Baitarani	3	Naigarh	8.2	7.1	1.3	330	130	NA	C
	4	Unchabali	8	7.2	1.2	490	78	NA	C
	5	Champua	7.8	6.8	1.1	1100	130	NA	C
	6	Tribindha	7.7	7	1.3	1300	170	NA	C
	7	Joda	7.1	7.0	1.2	1100	330	NA	C
	8	Anandpur	6.9	10.3	1.4	490	130	NA	C
	9	Jajpur	7.5	7.2	1.2	1100	230	NA	C
	10	Chandbali U/s	7.7	7.2	1.1	3500	1700	NA	C
	11	Chandbali D/s	8	7.2	1.4	4900	2200	NA	C
Dhamra	12	Dhamra	7.3	6.4	1.3	2400	790	NA	C
Salandi	13	Bhadrak U/s	7.9	6.0	1.2	2800	1100	NA	C
	14	Bhadrak D/s	7.7	4.8	1.5	4900	1700	NA	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)			6.5-8.5	5.0, min	3.0, max	-	500 (D) 2500 (P)	100 (D) 500 (P)	-

NA : Not analysed

D : Desirable P : Permissible

(D) Rushikulya River system

Name of River	Sl. No.	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C)/ Non-Conforming (NC))
Russelkunda Reservoir	1	Russelkunda Reservoir	7.4	6.5	1.6	2400	330	NA	C
Badanadi	2	Aska	7.1	9.0	1.2	2800	490	NA	C
Rushikulya	3	Aska	7.1	7.0	1.1	3300	1100	NA	C
	4	Nalabanta	7.4	8.0	1.4	2200	330	NA	C
	5	Madhopur	6.9	8.0	1.3	1700	490	13	C
	6	Potagarh	7.1	9.0	1.2	3300	1300	11	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)			6.5-8.5	5.0, min	3.0, max	-	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	8.2	8.0	1.1	3500	1700	NA	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)			6.5-8.5	5.0, min	3.0, max	-	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	6.6	8.4	1.3	4900	2300	27	C
	2	Balasore U/s	6.9	8.0	1.1	330	130	NA	C
	3	Balasore D/s	7.1	8.4	1.6	4900	2200	NA	NC
	4	Hatiagond (Sona)	7.1	8.0	1.2	1300	170	NA	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)			6.5-8.5	5.0, min	3.0, max	-	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	6.9	9.0	1.3	3500	490	NA	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)			6.5-8.5	5.0, min	3.0, max	-	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	7.7	7.3	1.1	490	130	NA	C
	2	Jaykaypur D/s	7.7	6.5	1.3	2400	1300	17	C
	3	Rayagada D/s	7.8	7.1	1.2	1100	330	13	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)			6.5-8.5	5.0, min	3.0, max	-	500 (D) 2500 (P)	100 (D) 500 (P)	-

(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	7.9	7.3	1.6	790	130	NA	C
	2	Gunupur	7.8	7.2	1.1	1300	170	NA	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)			6.5-8.5	5.0, min	3.0, max	-	500 (D) 2500 (P)	100 (D) 500 (P)	-

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	6.6	7.1	1.1	1300	490	NA	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)			6.5-8.5	5.0, min	3.0, max	-	500 (D) 2500 (P)	100 (D) 500 (P)	-

(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	6.8	7.3	1.3	1300	490	NA	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)			6.5-8.5	5.0, min	3.0, max	-	500 (D) 2500 (P)	100 (D) 500 (P)	-

Office of the Engineer-in-Chief, Water Resources, Odisha
Secha Sadan, Bhubaneswar - 751 001

No. BP&CC-GI-102 (2)/2023 583/WE Dt. 07/01/23

From

Er. Debidutta R.R. Pattnaik,
Chief Engineer, HH, GIS & CEM

To

The Special Secretary to Government,
DoWR, Odisha, Rajiv Bhawan, Bhubaneswar

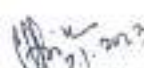
Sub: Monthly Progress Report in NGT matter- OA No. 606/2018 for the month of December -2022.

Madam,

With reference to the above cited subject, it is to furnish herewith the Monthly Progress Report in the NGT matter-OA No. 606/2018 for the month of December-2022 for favour of kind information and necessary action.

Yours faithfully

Encl: As above.


Chief Engineer, HH, GIS & CEM

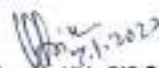
Memo No.

584/WE

Dt. 07/01/23

Copy submitted to the Director, Environment -cum-Special Secretary to Government, Forest & Environment Department, Odisha for kind information & necessary action.

Encl: As above.


Chief Engineer, HH, GIS & CEM

Memo No.

585/WE

Dt. 07/01/23

Copy submitted to the Member Secratry, State Pollution Control Board, Odisha, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar for information & necessary action.

Encl: As above.


Chief Engineer, HH, GIS & CEM

Monthly Progress Report on Hon'ble NGT O.A. NO.606 / 2018 for the month of December- 2022

Subject Matter: Compliance of municipal solid waste management rules , 2016 and other environmental issues

Format for state wise review of compliance to Hon'ble NGT directions for control of river pollution as per Letter No .1786 dated 25.06.2020 of F & E Department :

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 - III), 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 works in Gangua Nalla to be executed by DoWR. The work is under progress.

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 Rain water harvesting
Rooftop Rainwater Harvesting Structures (RRHS)

	Govt Building	Private Building
2018-19	358 nos .	9438 nos (in 11 towns of 9 districts)
2019-20	Nil	Nil
2020-21	Nil	Nil
2021-22	Nil	Nil
2022-23 Taken up (Up to 12/2022)	Completed 300 nos Nil	Taken up Completed 5500 30

Ground Water Recharge

i) Through Wells (recharge shafts in tanks and ponds)	2019-20	179 nos (Completed)
	2020-21	65 nos (Completed)
	2021-22	280 nos (Completed)
	2022-23	Taken up - 822 nos
		Completed up to 12/ 2022 - 360 nos

ii) Through Check dams up to 03/2020 15604 nos. in 30 districts
(Completed since inception of the scheme in 2010-11)
up to 3/2021 , 15833 nos. (Completed)
up to 03 / 2022, 15867 nos. (Completed)
up to 12/2022 15868 nos . (Completed)

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

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

G. Removal of encroachments

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

Chief Engineer
HM, GIS & CEM

**OFFICE OF THE ENGINEER-IN-CHIEF, WATER RESOURCES,
ODISHA, SECHA SADAN, BHUBANESWAR-751001**

No.HH,GIS&CEM-GEN-132/22 *363/WE* Date: *05/01/23*

From,

Er. Debidutta R.R. Patnaik,
Chief Engineer, HH, GIS & CEM.

To,

The Additional Secretary to Government,
DoWR, Odisha, Bhubaneswar.

Sub: Monthly Progress Report in the NGT matter-OA No. 673/2018 for the month of December-2022.

Ref: Sixth meeting of Central Monitoring Committee (CMC) held on Dtd. 30.09.2020.

Sir,

With reference to the above cited subject, it is to furnish herewith the Monthly Progress Report in the NGT matter- OA No. 673/2018 for the month of December-2022 for favour of kind information and necessary action.

A statement showing release of water ranging from 17 cusec to 20 cusec to Gangua Nallah through Palasuni Escape at RD 12.640 km of Daya West Branch Canal during December-2022 (01.12.2022 to 31.12.2022), is enclosed for your kind perusal.

Encl: As above.

Yours faithfully,

Memo No. *364/WE* Date *05/01/23* Chief Engineer, HH, GIS & CEM
Copy with enclosures submitted to the EIC,WR/EIC (P & D) for kind information and necessary action.

Encl: As above.

Memo No. *365/WE* Date *05/01/23* Chief Engineer, HH, GIS & CEM
Copy with enclosures submitted to the Director, Environment-cum-Special Secretary to Government, Forest, Environment & Climate Change Department, Odisha for kind information and necessary action.

Encl: As above.

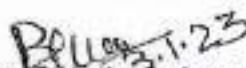
Memo No. *366/WE* Date *05/01/23* Chief Engineer, HH, GIS & CEM
Copy with enclosures submitted to the Member Secretary, State Pollution Control Board, Odisha, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar for kind information and necessary action.

Encl: As above.

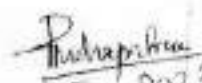
Chief Engineer, HH, GIS & CEM

**RELEASE OF WATER TO GANGUA NALLAH THROUGH PALASUNI
ESCAPE AT RD 12.640KM . OF DAYA WEST BRANCH CANAL**

DATE	DISCHARGE IN CUSECS
01.12.2022	18
02.12.2022	17
03.12.2022	20
04.12.2022	18
05.12.2022	19
06.12.2022	20
07.12.2022	20
08.12.2022	20
09.12.2022	20
10.12.2022	18
11.12.2022	18
12.12.2022	18
13.12.2022	18
14.12.2022	18
15.12.2022	18
16.12.2022	19
17.12.2022	20
18.12.2022	19
19.12.2022	18
20.12.2022	17
21.12.2022	20
22.12.2022	18
23.12.2022	19
24.12.2022	20
25.12.2022	20
26.12.2022	20
27.12.2022	18
28.12.2022	18
29.12.2022	18
30.12.2022	19
31.12.2022	20

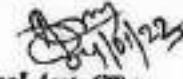

 Asst Executive Engineer
 BBSR Irr Sub -Division
 Bhubaneswar

DISTRICT WISE LIST OF COMPLETED CHECK DAMS FROM 2010-11 TO 2022-23 (UPTO THE MONTH OF DECEMBER 2022) UNDER MINOR IRRIGATION ORGANISATION COMPLETED									
Sl. NO.	DISTRICT	2010-11 to 2021-22		2022-23					
		Nos	Area benefitted in HA	By the Month of June 2022	Nos For the Month of December 2022	Total Completed during 2022-23	By the Month of June 2022	For the Month of December 2022	Total Completed during 2022-23
1	Angul	327	4669						
2	Balangir	693	2512						
3	Balasore	411	7384						
4	Bargarh	960	7311						
5	Bhadrak	99	1880						
6	Boudh	278	2806						
7	Cuttack	581	9186						
8	Deogarh	213	2838						
9	Dhenkanal	665	12835						
10	Gajapati	162	3059						
11	Ganjam	760	12283						
12	Jagatsinghpur	0	0						
13	Jajpur	229	3372	1		1	21		21
14	Jharsuguda	342	4473						
15	Kalahandi	1089	13621						
16	Kandhamal	400	4077						
17	Kendrapada	20	388						
18	Keonjhar	939	7195						
19	Khordha	521	5110						
20	Koraput	352	4702						
21	Malkangiri	340	1306						
22	Mayurbhanj	761	7355						
23	Nabarangpur	346	3879						
24	Nayagarh	688	6677						
25	Nuapada	704	5358						
26	Puri	60	371						
27	Raygada	835	7013						
28	Sambalpur	704	7361						
29	Subarnapur	181	2376						
30	Sundargarh	742	1279						
Total		14390	151935	1	0	1	21	0	21


 5.1.2023
 ACP (M & C)

Recharge of Ground Water through Ground Water Recharge Structures(GWRS) in the Tanks/Ponds of the State(No. of Tanks/Ponds/ Recharge Wells) ,(Up To 31/12/2022)

			GW BUDGET(RECHARGE SHAFTS)	
S/n	District	BLOCKS	Recharge Shaft programmed during the FY-2022-23(Revised)	Recharge Shaft constructed during the FY-2022-23 (Upto 31/12/2022)
1	Angul	TALCHER	10	10
2	Balangir			
3	Balesore	BALIAPAL	40	40
4	Bargarh			
5	Bhadrak			
6	Boudh			
7	Cuttack			
8	Deogarh			
9	Dhenkanal			
10	Gajapati			
11	Ganjam	GANJAM	20	20
		ASKA	20	20
12	Jagatsinghpur			
13	Jajpur	KOREI	40	40
14	Jharsuguda			
15	Kalahandi			
16	Kandhamal			
17	Kendrapara	GARADPUR	40	40
18	Keonjhar			
19	Khordha	BHUBANESWAR	40	40
		BOLAGARH	40	40
20	Koraput			
21	Malkangiri			
22	Mayurbhanj			
23	Nabarangpur			
24	Nayagarh	NAYAGARH	26	26
25	Nuapada	NUAPADA	10	10
26	Puri	KAKATPUR	26	26
27	Rayagada			
28	Sambalpur			
29	Sonepur	SONEPUR	10	10
30	Sundergarh	BISRA	10	10
TOTAL:			332	332


 Personal Asst. (T) to
 Director, GWD,
 Bhubaneswar

Roof Top Rain Water Harvesting in Govt. Buildings and Private Buildings (Up To 31/12/2022)

Sl. No.	District	BLOCKS	CHHATA SCHEME (RRHS) IN 27 ULBs			
			RRHS IN GOVT. BUILDING (Revised)	Constructed during the FY- 2022-23 (Upto 31/12/2022)	RRHS IN PVT. BUILDING	Constructed during the FY- 2022-23 (Upto 31/12/2022)
1	2	3	4	5	6	7
1	Angul	Angul	2	Nil	112	Nil
2	Angul	Talcher	2	Nil	75	Nil
3	Bargarh	Bargarh	2	Nil	75	Nil
4	Bargarh	Padmapur	1	Nil	93	Nil
5	Bargarh	Berpalli	2	Nil	93	Nil
6	Bolangir	Bolangir	2	Nil	205	Nil
7	Bolangir	Titlagarh	2	Nil	149	Nil
8	Cuttack	Cuttack	3	Nil	298	Nil
9	Ganajam	Aska	2	Nil	149	Nil
10	Ganajam	Digapahandi	2	Nil	168	Nil
11	Ganajam	Hinjilikote	2	Nil	336	Nil
12	Ganajam	Berhampur	3	Nil	205	Nil
13	Jharsuguda	Jharsuguda	3	Nil	205	Nil
14	Keonjhar	Joda	2	Nil	186	Nil
15	Khurda	Khurda	3	Nil	748	20
16	Khurda	Bhubaneswar	5	Nil	261	Nil
17	Mayurbhanj	Baripada	2	Nil	149	Nil
18	Nabarangapur	Nabarangapur	2	Nil	205	Nil
19	Nayagarh	Nayagarh	2	Nil	224	10
20	Puri	Puri	3	Nil	318	Nil
21	Sambalpur	Sambalpur	3	Nil	224	Nil
22	Dhenkanal	Dhenkanal	2	Nil	131	Nil
23	Subarnapur	Tarava	2	Nil	149	Nil
24	Subarnapur	Sonepur	2	Nil	280	Nil
25	Sundargarh	Rourkela	3	Nil	168	Nil
26	Kendrapada	Kendrapada	2	Nil	149	Nil
27	Kendrapada	Pattamunda	2	Nil		
	TOTAL:		63	0	5500	30


**Personal Asst. (T) to
Director, GWD,
Bhubaneswar**

Roof Top Rain Water Harvesting in Govt. Buildings (Up To 31/12/2022)

S/n	District	BLOCKS	CHHATA SCHEME(RRHS) IN 52 BLOCKs	
			RRHS IN GOVT.BUILDING (Programme for the year 2022-23) Revised	Constructed during the FY- 2022-23 (Upto 31/12/2022)
1	2	3	4	5
1	Nayagarh	Nayagarh	6	Nil
2	Khurda	Bolagarh	5	Nil
3	Dhenkanal	Dhenkanal	5	Nil
4	Dhenkanal	Odapada	5	Nil
5	Cuttack	Cuttack Sadar	7	Nil
6	Jagatsinghpur	Naugaon	5	Nil
7	Jagatsinghpur	Kujanga	5	Nil
8	Jagatsinghpur	Jagatsinghpur	7	Nil
9	Jaipur	Rasulpur	5	Nil
10	Jaipur	Binjharpur	5	Nil
11	Jaipur	Jaipur	6	Nil
12	Jaipur	Dasarathapur	4	Nil
13	Jaipur	Bari	4	Nil
14	Puri	Kakatapur	5	Nil
15	Jaipur	Korei	4	Nil
16	Khurda	Balipatna	3	Nil
17	Khurda	Bhubaneswar	9	Nil
18	Khurda	Khurda	9	Nil
19	Kendrapada	Pattamunda	4	Nil
20	Kendrapada	Kendrapada	7	Nil
21	Kendrapada	Aul	4	Nil
22	Kendrapada	Garadpur	4	Nil
23	Balesore	Remuna	5	Nil
24	Balesore	Nilagiri	5	Nil
25	Balesore	Jaleswar	5	Nil
26	Balesore	Baliapal	5	Nil
27	Balesore	Bahananga	5	Nil
28	Ganjam	Ganjam	6	Nil
29	Ganjam	Aska	5	Nil
30	Keonjhar	Joda	6	Nil
31	Jharsuguda	Jharsuguda	6	Nil
32	Bhadrack	Dhamanagar	4	Nil
33	Bhadrack	Bhadrack	4	Nil
34	Bhadrack	Bhandaripokhari	5	Nil
35	Angul	Talcher	5	Nil
36	Angul	Kaniha	3	Nil
37	Subarnapur	Tarava	3	Nil

38	Subarnapur	Sonepur	5	NII
39	Sundergarh	Blora	3	NII
40	Baragarh	Bhatali	3	NII
41	Baragarh	Jharabandha	1	NII
42	Baragarh	Padmapur	3	NII
43	Baragarh	Baragarh	5	NII
44	Baragarh	Sohela	1	NII
45	Bolangir	Loisingha	3	NII
46	Bolangir	Bolangir	3	NII
47	Nuapada	Nuapada	2	NII
48	Mayurbhanj	Rasagobindapur	3	NII
49	Mayurbhanj	Badsahi	3	NII
50	Mayurbhanj	Sukruli	3	NII
51	Mayurbhanj	Udala	4	NII
52	Mayurbhanj	Betonati	6	NII
TOTAL:			237	


 Personal Asst. (T) to
 Director, GWD,
 Bhubaneswar

**Recharge of Ground Water through Ground Water Recharge Structures(GWRS) in the
Tanks/Ponds of the State(No. of Tanks/Ponds (Up To 31/12/2022))**

Slr	District	BLOCKS	ARUA SCHEME(RECHARGE SHAFTS)	
			Recharge Shaft programmed during the FY- 2022-23(Revised)	Recharge Shaft constructed during the FY- 2022-23 (Upto 31/12/2022)
1	2	3	4	5
1	Angul	Talcher	8	Nil
2	Puri	Kakatpur	7	Nil
3	Nayagarh	Nayagarh	8	8
4	Khurda	Khurda	8	Nil
5	Khurda	Bhubaneswar	48	Nil
6	Khurda	Bolagarh	48	20
7	Khurda	Balipatna	8	Nil
8	Cuttack	Garadpur	45	Nil
9	Jajpur	Korei	52	Nil
10	Jagatsinghpur	Kujanga	7	Nil
11	Kendrapara	Patamundai	7	Nil
12	Jajpur	Binjharpur	8	Nil
13	Cuttack	Cuttack sadar	7	Nil
14	Jajpur	Rasulpur	8	Nil
15	Jajpur	Jajpur	8	Nil
16	Jajpur	Dasarathpur	7	Nil
17	Bhadrak	Dhamnagar	7	Nil
18	Mayurbhanj	Rasgovindpur	8	Nil
19	Bargarh	Jharbandha	7	Nil
20	Bhadrak	Bhandaripokhari	8	Nil
21	Balasore	Bahanga	8	Nil
22	Mayurbhanj	Badasahi	8	Nil
23	Balasore	Remuna	8	Nil
24	Keonjhar	Joda	8	Nil
25	Balasore	Ballapal	52	Nil
26	Nuapada	Nuapada	45	Nil
27	Bolangir	Loisinga	7	Nil
28	Bargarh	Bargarh	8	Nil
29	Subarnapur	Sonepur	8	Nil
30	Bargarh	Bhatil	8	Nil
31	Sundargarh	Bisra	8	Nil
32	Jharsuguda	Jharsuguda	8	Nil
TOTAL			490	28

(Signature)
Personal Asst. (T) to
Director, GWD,
Bhubaneswar

National Mission for Clean Ganga Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd. 24.09.2020)					
Month - December, 2022					
1. Name of the Polluted River Stretch :- Gangua Nallah (Along Bhubaneswar)					
Sl No.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XIV	Ground Water regulation:	Govt. of Odisha has formulated an Act for regulation for groundwater namely "The Odisha Ground Water (Regulation, Development and Management) Act, 2011". Central Ground Water Board (CGWB) & District Level Evaluation Committee (DLEC) strictly control the ground water abstraction by the industries. Chief Engineer & Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.			
XV	Good Irrigation Practices being adopted by the state:	Rotational water supply in Daya West Branch Canal system recharges the ground water as well as river or drain.	In every year, during Kharif crop (1st July to 15th Nov). and Rabi crop (1st week of January to 15th 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	131 nos in Govt. Buildings & 4942 nos. in Private Buildings	Bhubaneswar town
			2019-20	Nil	
			2020-21	Nil	
			2021-22	Nil	
			2022-23	20 nos.	
		Ground Water Recharge through construction of Recharge shaft in tanks and ponds	2019-20	9 nos.	In Khordha Dist.
			2020-21	Nil	
			2021-22	65 nos.	
			2022-23	80 nos.	
		Construction of Check Dam	2019-20	534 nos. upto March, 2020	In Khordha Dist.
			2020-21	7 nos.	
			2021-22	3 nos.	
			2022-23	Nil	

National Mission for Clean Ganga Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd. 24.09.2020)					
Month - December, 2022					
1. Name of the Polluted River Stretch :- Gangua Nallah (Along Bhubaneswar)					
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:	Construction of a cross regulator at the off taking point of Gangua Nalla to divert the entire flood discharge of Chandaka catchment to Kuakhai 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.			Work is under progress.
XVIII	Maintaining minimum e-flows of river	It is a storm water drain. The minimum flow in Gangua Nalla in non-monsoon is maintained by inletting water from river Mahanadi through Daya West Branch Canal.	During lean period from Nov to May.	Maintained	Release of water ranging from 17 Cusec to 20 Cusec to Gangua Nallah through Palasuni Escape from 01.12.2022 to 31.12.2022
XIX	Plantation activities along the river	4900 seedlings have been planted along the drainage canals by Khordha Drainage Division during monsoon of 2018.	During Monsoon 2018.	1979 nos. of plants are alive.	

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

Month - December, 2022

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

Sl No.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XIV	Ground Water regulation:	Govt. of Odisha has formulated an Act for regulation for groundwater namely "The Odisha Ground Water (Regulation, Development and Management) Act, 2011". Central Ground Water Board (CGWB) & District Level Evaluation Committee (DLEC) strictly control the ground water abstraction by the industries. Chief Engineer & Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.			
XV	Good Irrigation Practices being adopted by the state:	Rotational water supply in Puri Main Canal system recharges the ground water as well as river or drain.	In every year, during Kharif crop (1st July to 15th Nov). and Rabi crop (1st week of January to 15th 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	131 nos in Govt. Buildings & 4942 nos. in Private Buildings	Bhubaneswar town
			2019-20	Nil	
			2020-21	Nil	
			2021-22	Nil	
			2022-23	20 nos.	
		Ground Water Recharge through construction of Recharge shaft in tanks and ponds	2019-20	9 nos.	In Khordha Dist.
			2020-21	Nil	
			2021-22	65 nos.	
			2022-23	80 nos.	
		Construction of Check Dam	2019-20	534 nos. upto March, 2020	In Khordha Dist.
			2020-21	7 nos.	
			2021-22	3 nos.	
			2022-23	Nil	

National Mission for Clean Ganga Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd. 24.09.2020)					
Month - December, 2022					
2. Name of the Polluted River Stretch :- Daya (Bhubaneswar to Baragada)					
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			
	108				
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 seedlings have been planted along the canal colony office premises by Prachi Division during Monsoon-2018.	During Monsoon 2018.		By Prachi Division, Bhubaneswar

National Mission for Clean Ganga Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd. 24.09.2020)					
Month - December, 2022					
3. Name of the Polluted River Stretch :- Brahmani (Rourkela to Biritol)					
Sl No.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XIV	Ground Water regulation:	Govt. of Odisha has formulated an Act for regulation for groundwater namely "The Odisha Ground Water (Regulation, Development and Management) Act, 2011". Central Ground Water Board (CGWB) & District Level Evaluation Committee (DLEC) strictly control the ground water abstraction by the industries. Chief Engineer & Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.			
XV	Good Irrigation Practices being adopted by the state:				
XVI	Rainwater harvesting	Construction of Rooftop Rainwater Harvesting Structure (RRHS) in Govt. and Private Building in towns of Odisha.	2014-15 to 2018-19	1 no in Govt. Buildings & 76 nos. in Private Buildings	Rourkela town
			2019-20	Nil	
			2020-21	Nil	
			2021-22	Nil	
			2022-23	Nil	
		Ground Water Recharge through construction of Recharge shaft in tanks and ponds	2019-20	4 nos.	In Sundargarh Dist.
			2020-21	5 nos.	
			2021-22	5 nos.	
			2022-23	10 nos.	
		Construction of Check Dam	2019-20	142 nos. upto March, 2020	In Sundargarh Dist.
			2020-21	Nil	
			2021-22	Nil	
			2022-23	Nil	

National Mission for Clean Ganga Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd. 24.09.2020)					
Month - December, 2022					
3. Name of the Polluted River Stretch :- Brahmani (Rourkela to Biritol)					
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	27373 nos. of saplings and seedlings have been planted along the drainage canals by Sundargarh Irr. Division & 17944 nos. of sapling and seedling have been sown along the canal by Rukura Canal Division during monsoon of 2018.	During Monsoon 2018.		By Sundargarh Irr. Division and Rukura Canal Division, Rourkela.

National Mission for Clean Ganga Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd. 24.09.2020)					
Month - December, 2022					
4. Name of the Polluted River Stretch :- Gurudih Nalla (Rourkela)					
Sl No.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XIV	Ground Water regulation:	Govt. of Odisha has formulated an Act for regulation for groundwater namely "The Odisha Ground Water (Regulation, Development and Management) Act, 2011" . Central Ground Water Board (CGWB) & District Level Evaluation Committee (DLEC) strictly control the ground water abstraction by the industries. Chief Engineer & Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.			
XV	Good Irrigation Practices being adopted by the state:				
XVI	Rainwater harvesting	Construction of Rooftop Rainwater Harvesting Structure (RRHS) in Govt. and Private Building in towns of Odisha.	2014-15 to 2018-19	1 no in Govt. Buildings & 76 nos. in Private Buildings	Rourkela town
			2019-20	Nil	
			2020-21	Nil	
			2021-22	Nil	
			2022-23	Nil	
		Ground Water Recharge through construction of Recharge shaft in tanks and ponds	2019-20	4 nos.	In Sundargarh Dist.
			2020-21	5 nos.	
			2021-22	5 nos.	
			2022-23	10 nos.	
		Construction of Check Dam	2019-20	172 nos. upto March, 2020	In Sundargarh Dist.
			2020-21	Nil	
			2021-22	Nil	
			2022-23	Nil	

National Mission for Clean Ganga Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd. 24.09.2020)					
Month - December, 2022					
4. Name of the Polluted River Stretch :- Gurudih Nalla (Rourkela)					
SI 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
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	27373 no. of saplings and seedling have been planted along the drainage canals by Sundargarh Irr. Division & 17944 nos. of sapling and seedling have been sown along the canal by Rukura Canal Division during monsoon of 2018.	During Monsoon 2018.		By Sundargarh Irr. Division and Rukura Canal Division, Rourkela.

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

Month - December, 2022

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

Sl No.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XIV	Ground Water regulation:	Govt. of Odisha has formulated an Act for regulation for groundwater namely "The Odisha Ground Water (Regulation, Development and Management) Act, 2011". Central Ground Water Board (CGWB) & District Level Evaluation Committee (DLEC) strictly control the ground water abstraction by the industries. Chief Engineer & Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.			
XV	Good Irrigation Practices being adopted by the state:				
XVI	Rainwater harvesting	Construction of Rooftop Rainwater Harvesting Structure (RRHS) in Govt. and Private Building in towns of Odisha.	2014-15 to 2018-19	34 nos in Govt. Buildings & 529 nos. in Private Buildings	Puri town
			2019-20	Nil	
			2020-21	Nil	
			2021-22	Nil	
			2022-23	10	
		Ground Water Recharge through construction of Recharge shaft in tanks and ponds	2019-20	Nil	In Puri Dist.
			2020-21	Nil	
			2021-22	20 nos.	
			2022-23	26 nos.	
		Construction of Check Dam	2019-20	110 nos. approx. 2000	In Puri Dist.
			2020-21	24 nos.	
			2021-22	Nil	
			2022-23	Nil	

National Mission for Clean Ganga Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd. 24.09.2020)					
Month - December, 2022					
5. Name of the Polluted River Stretch :- Mangala (Along Puri)					
Sl No.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
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	1700 saplings have been planted along the canal colony, office premises by Puri Irr. Division during monsoon of 2018.	During Monsoon 2018.		By Puri Irr. Division, Puri

National Mission for Clean Ganga Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd. 24.09.2020)					
Month - December, 2022					
6. Name of the Polluted River Stretch :- Nagavalli (JK Pur to Rayagada)					
Sl No.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XIV	Ground Water regulation:	Govt. of Odisha has formulated an Act for regulation for groundwater namely "The Odisha Ground Water (Regulation, Development and Management) Act, 2011" . Central Ground Water Board (CGWB) & District Level Evaluation Committee (DLEC) strictly control the ground water abstraction by the industries. Chief Engineer & Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.			
XV	Good Irrigation Practices being adopted by the state:				
XVI	Rainwater harvesting	Construction of Rooftop Rainwater Harvesting Structure (RRHS) in Govt. and Private Building in towns of Odisha.	2014-15 to 2018-19	Nil	
			2019-20	Nil	
			2020-21	Nil	
			2021-22	Nil	
			2022-23	Nil	
		Ground Water Recharge through construction of Recharge shaft in tanks and ponds	2019-20	Nil	In Rayagada Dist.
			2020-21	Nil	
			2021-22	Nil	
			2022-23	Nil	
		Construction of Check Dam	2019-20	833 nos. upto March, 2020	In Rayagada Dist.
			2020-21	Nil	
			2021-22	2 nos.	
			2022-23	Nil	

National Mission for Clean Ganga Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd. 24.09.2020) Month - December, 2022					
6. Name of the Polluted River Stretch :- Nagavalli (JK Pur to Rayagada)					
Sl No.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
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	5160 no of saplings have been planted in Rayagada Dist. by Rayagada Minor Irrigation Division during monsoon of 2018.	During Monsoon 2018.		By Rayagada Minor Irrigation Divn.

National Mission for Clean Ganga Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd. 24.09.2020)					
Month - December, 2022					
7. Name of the Polluted River Stretch :- Kathajodi (Cuttack to Uralli)					
Sl No.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XIV	Ground Water regulation:	Govt. of Odisha has formulated an Act for regulation for groundwater namely "The Odisha Ground Water (Regulation, Development and Management) Act, 2011". Central Ground Water Board (CGWB) & District Level Evaluation Committee (DLEC) strictly control the ground water abstraction by the industries. Chief Engineer & Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.			
XV	Good Irrigation Practices being adopted by the state:	No irrigation water recharges river Kathajodi (from Cuttack to Uralli)			
XVI	Rainwater harvesting	Construction of Rooftop Rainwater Harvesting Structure (RRHS) in Govt. and Private Building in towns of Odisha.	2014-15 to 2018-19	7 nos. in Govt. Buildings & 123 nos. in Private Buildings	Cuttack town
			2019-20	Nil	
			2020-21	Nil	
			2021-22	Nil	
			2022-23	Nil	
		Ground Water Recharge through construction of Recharge shaft in tanks and ponds	2019-20	5 nos.	In Cuttack Dist.
			2020-21	Nil	
			2021-22	Nil	
			2022-23	Nil	
		Construction of Check Dam	2019-20	699 nos. upto March, 2020	In Cuttack Dist.
			2020-21	6 nos.	
			2021-22	2 nos.	
			2022-23	Nil	

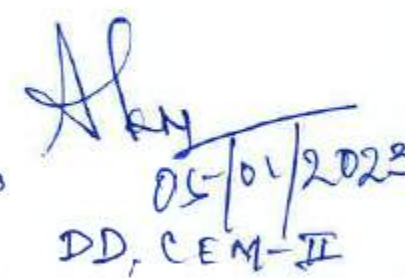
National Mission for Clean Ganga Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd. 24.09.2020)					
Month - December, 2022					
7. Name of the Polluted River Stretch :- Kathajodi (Cuttack to Uralli)					
Sl No.	Key Components of Proposed 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
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 no saplings have been planted along the canal colony, office premises by Mahanadi South Division-I & 10610 no saplings have been planted along the canal colony, office premises by Mahanadi Barrage Division, Cuttack during monsoon of 2018.	During Monsoon 2018.		By Mahanadi South Division-I & by Mahanadi Barrage Division, Cuttack.

National Mission for Clean Ganga Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd. 24.09.2020)					
Month - December, 2022					
8. Name of the Polluted River Stretch :- Serua River (Khandaeta to Sankhatrasa)					
Sl No.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XIV	Ground Water regulation:	Govt. of Odisha has formulated an Act for regulation for groundwater namely "The Odisha Ground Water (Regulation, Development and Management) Act, 2011". Central Ground Water Board (CGWB) & District Level Evaluation Committee (DLEC) strictly control the ground water abstraction by the industries. Chief Engineer & Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.			
XV	Good Irrigation Practices being adopted by the state:	Rotational water supply in Kakatpur Branch Canal system recharges the ground water as well as river or drain.	In every year, during Kharif crop (1st July to 15th Nov). and Rabi crop (1st week of January to 15th 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	7 nos. in Govt. Buildings & 123 nos. in Private Buildings	Cuttack town
			2019-20	Nil	
			2020-21	Nil	
			2021-22	Nil	
			2022-23	Nil	
		Ground Water Recharge through construction of Recharge shaft in tanks and ponds	2019-20	5 nos.	In Cuttack Dist.
			2020-21	Nil	
			2021-22	Nil	
			2022-23	Nil	
		Construction of Check Dam	2019-20	699 nos. upto March, 2020	In Cuttack Dist.
			2020-21	6 nos.	
			2021-22	2 nos.	
			2022-23	Nil	

National Mission for Clean Ganga Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd. 24.09.2020)					
Month - December, 2022					
8. Name of the Polluted River Stretch :- Serua River (Khandaeta to Sankhatrasa)					
Sl No.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
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 saplings have been planted along the canal colony, office premises by Mahanadi South Division-I & 4260 nos of saplings & seedlings have been planted along the canal colony, office premises by Jagatsinghpur Irr. Division, Jagatsinghpur during monsoon of 2018.	During Monsoon 2018.		By Mahanadi South Division-I & by Jagatsinghpur Irr. Division Jagatsinghpur.

National Mission for Clean Ganga Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd. 24.09.2020)					
Month - December, 2022					
9. Name of the Polluted River Stretch :- Ratnachira (Along Bhubaneswar, Puri)					
Sl No.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
XIV	Ground Water regulation:	Govt. of Odisha has formulated an Act for regulation for groundwater namely "The Odisha Ground Water (Regulation, Development and Management) Act, 2011" Central Ground Water Board (CGWB) & District Level Evaluation Committee (DLEC) strictly control the ground water abstraction by the industries. Chief Engineer & Director, Groundwater Development, Bhubaneswar monitors the fluctuation of the groundwater level in all 30 districts in regular interval.			
XV	Good Irrigation Practices being adopted by the state:	Rotational water supply in Sakthigopal Branch Canal, Puri Main Canal & Gobardhanpur Barrage recharges the ground water as well as river or drain.	In every year, during Kharif crop (1st July to 15th Nov). and Rabi crop (1st week of January to 15th of May).	Rotational water supply is maintained in Kharif & Rabi crops.	
XVI	Rainwater harvesting	113 Rooftop Rainwater Harvesting in Govt. and Private Building in towns of Odisha.	2014-15 to 2018-19	34 nos in Govt. Buildings & 529 nos. in Private Buildings	Puri town
			2019-20	Nil	
			2020-21	Nil	
			2021-22	Nil	
			2022-23	10 nos.	
		Ground Water Recharge through construction of Recharge shaft in tanks and ponds	2019-20	Nil	In Puri Dist.
			2020-21	Nil	
			2021-22	20 nos.	
			2022-23	26 nos.	
		Construction of Check Dam	2019-20	118 nos. upto March, 2020	In Puri Dist.
			2020-21	24 nos.	
			2021-22	Nil	
			2022-23	Nil	

National Mission for Clean Ganga Format for submission of Monthly Progress Report in the NGT Matter O.A. No. 673 of 2018 (in compliance to NGT Order Dtd. 24.09.2020)					
Month - December, 2022					
9. Name of the Polluted River Stretch :- Ratnachira (Along Bhubaneswar, Puri)					
Sl No.	Key Components of Proposed Action Plan for restoration of identified polluted river stretch in the state	Proposed Achievable Target	Proposed Time Targets for compliance	Present Status or pendency in terms of %age	Remarks
1	2	3	4	5	6
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	1700 saplings have been planted along the canal colony, office premises by Puri Irr. Division during monsoon of 2018.	During Monsoon 2018.		By Puri Irr. Division, Puri

 AE, CEM.
 DD, CEM-II
 AD, CEM.
 Chief Engineer
HH, GIS & CEM



Orissa Water Supply & Sewerage Board

(A Govt. of Odisha Undertaking)

Satyanagar, Bhubaneswar-751007 Phone: (0674)2571185

Email eicowssb@gmail.com

No. 4238 /dt. 12.12.2022
W-02/2021

To

The Director, Environment-cum-Special Secretary to Govt.,
Forest, Environment & Climate Change Department
Odisha, Bhubaneswar

Sub.: Furnishing progress report for the month of November, 2022 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

Ref.: Letter No. 16246 dt. 13.09.2021 of F & E Deptt.

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 November, 2022 are furnished herewith for information & necessary action.

Encl.: As above.

Yours faithfully,

[Signature]
Engineer-in-Chief, OWSSB

Memo No. 4239 /dt. 12.12.2022

Copy with copy of enclosures forwarded to the Special Secretary to Govt., H & UD Deptt. (Sanitation Section)/ Member Secretary, State Pollution Control Board, Bhubaneswar for information and necessary action.

Encl.: As above.

[Signature]
Engineer-in-Chief, OWSSB

Memo No. 4240 /dt. 12.12.2022

Copy with copy of enclosures forwarded to the Engineer-in-Chief, OISIP, JICA, Cuttack for information and necessary action.

Encl.: As above.

[Signature]
Engineer-in-Chief, OWSSB

Memo No. 4241 /dt. 12.12.2022

Copy with copy of enclosures forwarded to the CEO, WATCO, Bhubaneswar for information and necessary action. As no report for the month of October & November-2022 has been received by this office till date, the figures related to WATCO areas has been considered as per report for the month of September-2022. It is requested to submit the required information related to NGT matters preferably in the 1st week of every month for compliance & onwards transmission.

Encl.: As above.

[Signature]
Engineer-in-Chief, OWSSB

OA Nos 593, 606 & 673 forw.lett

[P.T.O]

INFORMATION ON STATUS OF STPs (OPERATIONAL & UNDER CONSTRUCTION)

As on November-2022

Sl.	City/Town	No. of STP	Location of each STP	Coordinates of STP (Latitude & Longitude)	STP Commissioned in (Year)/ To be commissioned	Status (Operational/ Non-operational/ Under Construction)	STP Installed Capacity (in MLD)	Technology (UASB/ ASP/OP/ SBR/MBR/ FAB Etc)
1	2	3	4	5	6	7	8	9
1	Bhubaneswar	1	Rokat	20.33° 85.84°	December-2022 (To be commissioned)	Under Construction by O&M, JICA	48	ASP
		1	Mahapalli	20.26° 85.88°	Partly commissioned during Dec.-2020	Operational by WATCO	50	SBR
		1	Basughat	20.232° 85.85°	Partly commissioned during Dec.-2020	Operational by WATCO	28	SBR
		1	Kochilepat	20.21° 85.80°	Partly commissioned during Dec.-2020	Operational by WATCO	43.5	SBR
		1	Palkapur	20.26° 85.75°	Partly commissioned during Dec.-2020	Operational by WATCO	8	SBR
2	Cuttack	1	Matigajpur	20.43° 85.91°	Commissioned since 01.03.2022	Operational by O&M, JICA	36	ASP
		1	COA	20.46° 85.85°	Dec.-2018	Operational by O&M, JICA	36	ASP
		1	Matigajpur	20.42° 85.93°	June-2006	Non-operational (STP is under shut down as drainage work is going on under JICA project)	33	Waste Stabilization Pond
3	Puri	1	Mangalaghat	19.81° 85.75°	June-2003	Operational O&M by WATCO	15	Aerated Lagoon
		1	Barkimurah	19.79° 85.83°	Feb.,1995	Operational O&M by WATCO	5.05	Waste Stabilization Pond
4	Sambalpur	1	Dhampurdi	21.53° 83.96°	Trial run is going on	Under trial run by O&M, JICA	40	SBR
5	Korukela	1	Solughat	22.21° 84.80°	Partly commissioned during Feb.-2021	Operational O&M by WATCO	40	SBR
6	Talcher	1	Mandapal	20.95° 85.24°	Feb.-2018	Operational O&M by PHSD	2	Waste Stabilization Pond
Total capacity		13				Operational- 10 nos, Under progress- 2 nos, Shut down- 1 no.	370.55	

694 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 /OWSSB Date 22.07.2020
W-16/2015 (2)

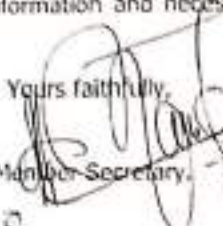
To: The Member Secretary,
State Pollution Control Board,
Odisha, Bhubaneswar.

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

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

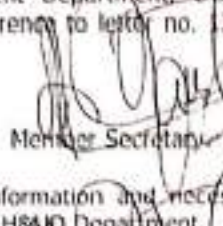
Sir,

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

Yours faithfully,

 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 & Addl. 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 the Project Director, PNC, OWSSB, Cuttack for information and necessary action.


 Member Secretary. 21/07/20

Action Taken Report for Restoration of Kathajodi river along Cuttack City

1. Wastewater generation in Cuttack City: 82.54 MLD
2. Wastewater Treatment capacity: (As on December, 2022)

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	Cuttack				
1	CDA-Bidanasi area	36 MLD	17.35 MLD	O & M by OISIP, JICA, Cuttack	Running Smoothly House Sewer connection -March, 2023
2	Mattagajpur	33 MLD	0	O & M by WATCO	STP is under shut down as drainage work is going on JICA project
3.	Mattagajpur	16 MLD	2.70 MLD	House sewer connection is under progress.	Sewer network : March, 2023. House Sewer connection- March, 2023
	Total	85 MLD	20.05 MLD		

Treated wastewater quality of 36 MLD STP at CDA-Bidanasi area being discharged to Kathajodi river through Peta nallah during the year-2022 (January-December) is as follows.

Month	Parameters							
	pH	BOD, mg/L	COD, mg/L	TSS, mg/L	NH ₄ -N, mg/L	PO ₄ ³⁻ -P (total), mg/L	TC	FC
							MPN/100ml	
January, 2022	7.0	7.7	31.5	17.0	10.08	0.824	360	1.8
February, 2022	7.0	7.0	28.1	12.0	6.72	0.236	330	120
March, 2022	7.2	15.8	38.0	18.0	7.84	5.002	35000	17000
April, 2022	7.3	4.4	20.0	11.0	3.36	1.417	11000	4900
May, 2022	7.2	1.5	12.0	16.0	2.80	0.665	60	60
June, 2022	7.2	7.9	27.0	41.0	7.84	1.798	>1,60,000	>1,60,000
July, 2022	6.9	2.5	20.0	<10.0	0.56	1.228	<1.8	<1.8
August, 2022	7.1	2.5	15.0	< 10.0	0.56	0.210	330	78
September, 2022	7.1	2.3	13.0	< 10.0	0.56	0.173	<1.8	<1.8
October, 2022	7.1	3.0	12.0	12.0	1.12	0.438	1300	340
November, 2022	7.4	4.4	18.0	14.0	1.12	0.740	<1.8	<1.8
December, 2022	7.2	3.9	15.0	< 10.0	0.56	0.180	<1.8	<1.8
Effluent Discharge limit for STP (G.S.R. 1265 (E) Dt. 13.10.2017)	6.5-9.0	30	-	< 100	-	-	-	< 1000

The 16 MLD STP at Mattagajpur has started functioning from March, 2022. The treated wastewater quality of this STP being discharged to Kathajodi river through a drain, during the period July,22-December, 2022 is as follows.

Month	Parameters							
	pH	BOD, mg/L	COD, mg/L	TSS, mg/L	NH ₄ -N, mg/L	PO ₄ ³⁻ -P (total), mg/L	TC	FC
							MPN/100ml	
July, 2022	6.9	3.5	12.0	< 10.0	1.12	0.198	700	490
August, 2022	7.1	3.9	15.0	<10.0	3.36	0.341	4900	680
September, 2022	7.3	3.7	13.4	< 10.0	4.48	0.110	< 1.8	< 1.8
October,2022	7.2	3.9	16.0	13.0	2.8	0.462	< 1.8	< 1.8
November, 2022	7.3	4.9	22.0	< 10.0	0.56	0.185	< 1.8	< 1.8
December, 2022	7.5	4.2	15.0	11.0	0.56	0.216	< 1.8	< 1.8
Effluent Discharge limit for STP (G.S.R. 1265 (E) Dt. 13.10.2017	6.5- 9.0	30	-	< 100	-	-	-	< 1000

At present there is no wastewater discharge from 33 MLD STP at Mattagajpur to Kathajodi River.

Characteristic of Drains falling on Kathajodi river (December, 2022)

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	7.3	3.5	15.0	23.0	54000	35000
2	Wastewater discharge to Kathajodi river at CDA-Bidanasi area	7.3	4.5	21.0	45.0	24000	7900
3	Wastewater discharge to Kathajodi river at Khannagar	7.2	63.0	127.0	140.0	>1,60,000	>1,60,000

Wastewater quality discharge through Khan nagar sluice gate to Kathajodi river during 2022 (January- December) are as follows

Data Period	pH	BOD, mg/L	COD, mg/L	TSS, mg/L	TC, MPN/100 ml	FC, MPN/ 100 ml
January, 2022	6.9	55.0	138.9	55	>1,60,000	>1,60,000
February, 2022	7.1	86.7	184.2	78	>1,60,000	>1,60,000
March, 2022	7.3	85.0	190.0	75	>1,60,000	>1,60,000
April, 2022	7.2	78.0	174.0	142	>1,60,000	>1,60,000
May, 2022	7.2	75.0	174.0	144	>1,60,000	>1,60,000
June, 2022	7.1	105.0	236.0	103	>1,60,000	>1,60,000
July, 2022	6.	58.0	230.0	103	>1,60,000	>1,60,000

August, 2022	7.1	68.0	159.0	35	>1,60,000	>1,60,000
September, 2022	7.1	80.0	177.0	75	>1,60,000	>1,60,000
October, 2022	7.1	48.0	136.0	65.0	>1,60,000	>1,60,000
November, 2022	7.3	65.0	141.0	115.0	>160000	>160000
December, 2022	7.2	63.0	127.0	140.0	>1,60,000	>1,60,000
General discharge standard of Environmental Pollutants – Schedule-VI (G.S.R. 422(E) dated 19.5.1993)	5.5-9.0	30	250	100	-	-

After all projected house sewer connections to the 36 MLD STP at CDA-Bidanasi area, water quality of the wastewater discharge to Kathajodi river through Peta nallah at CDA-Bidanasi area will be significantly improved. The expected timeline for completion of house sewer connections is March, 2023.

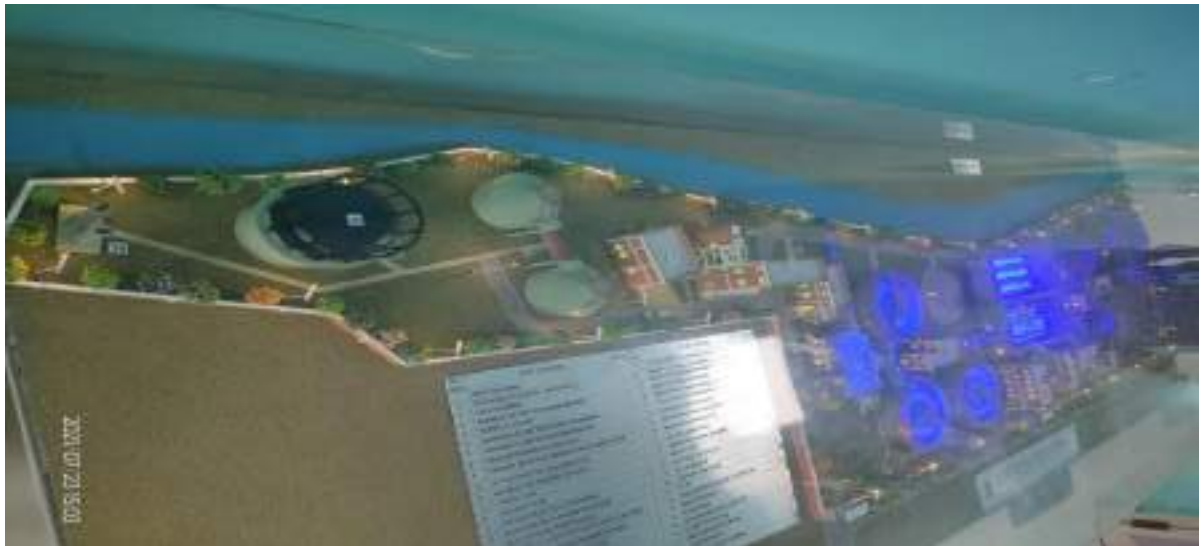
Similarly, after completion of all house hold sewer connections to the 16 MLD STP at Mattagajpur, there will be no discharge of wastewater to the river at Kathajodi river through Khan nagar sluice gate. The expected timeline for completion of house sewer connections is March, 2023.

Besides these, a Septage Treatment Plant of 60 KLD capacity has been commissioned at Mattagajpur and operating since January, 2020.

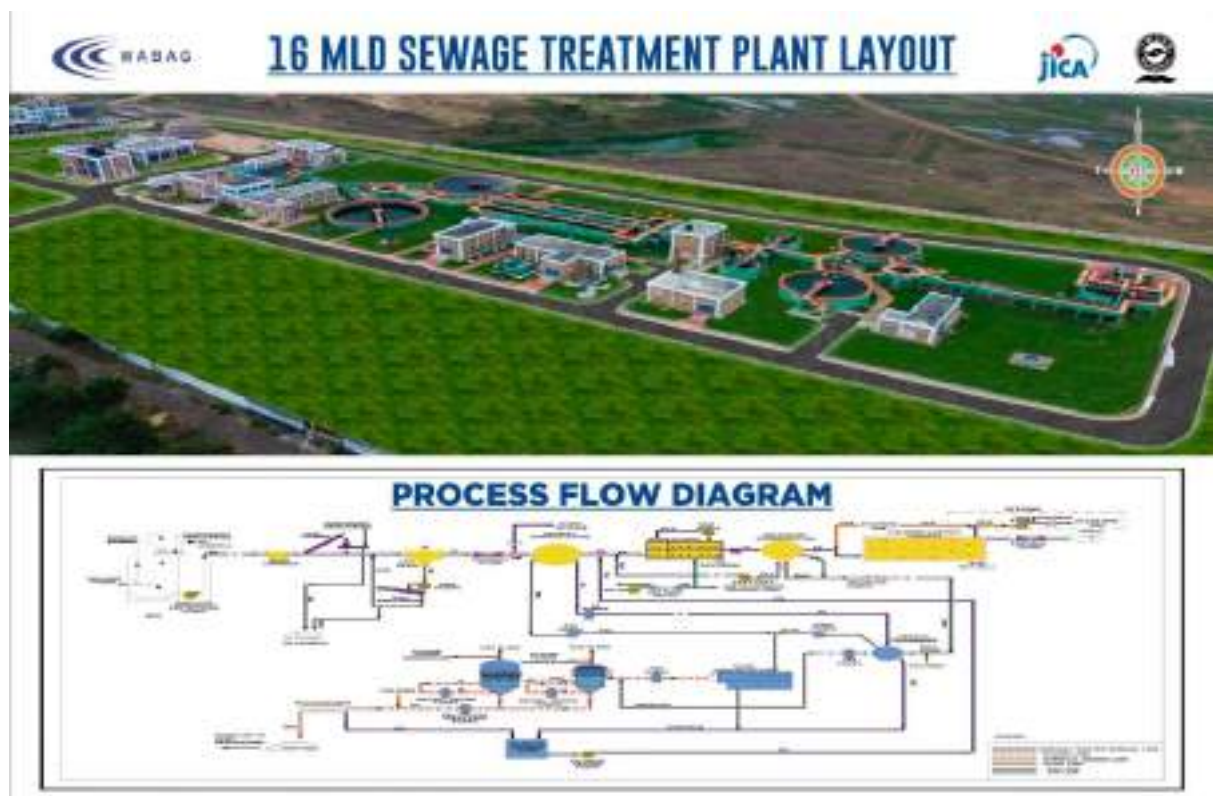
Water quality of the Kathajodi river and Serua river (which is a distributary of Kathajodi river) during December, 2022 is given below. Water quality of Kathajodi river and Serua river did not conform to the prescribed limit for BOD , Total Coliform and Fecal coliform

Polluted River stretch: December, 2022

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. Kathajodi River (Cuttack to Urali) (Priority-III)	Cuttack D/s	8.1	3.6	3.8	17000	7900	33	NC
	Cuttack FD/s at Mattagajpur	7.9	3.4	4.0	7900	3300	14	NC
2. Serua River (Khandaeta to Sankhatrasa) (Priority-V)	Cuttack FD/s at Sankhatrasa	7.7	8.0	2.6	22000	13000	79	NC
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0, min	3.0, max	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	



36 MLD STP at CDA-Bidanasi area of Cuttack





केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA

By Speed Post/E-mail

F.No.A-14011/(O.A.No.829/2019)2021-WQM-II

03.10.2022

To
The Member Secretary,
Odisha State Pollution Control Board,
Paribesh Bhawan, A/118,
Nilakantha Nagar, Unit – VIII,
Bhubaneswar – 751012, Odisha

Sub: Compliance to Hon'ble NGT Orders passed in O.A No: 829/2019 in the matter of Control of Marine Pollution in Coastal States/UTs- Comments/observation of CPCB on the action plans submitted for control of coastal or marine pollution.

Sir,

This has reference to Action Plan to Control Marine Pollution in 480 Km coastline of Odisha received vide your office e-mail dated 06.09.2022. The said action plan is examined and our observations/suggestions are given in **Annexure I**

It is requested that the action plan be modified considering all the identified aspects/activities and shall be placed before the 'River/Coastal Rejuvenation Committee' constituted by the State Government, for its approval as per Hon'ble NGT order dated 21.09.2020 passed in O.A No: 829/2019 and onward submission to Central Monitoring Committee, MoJS.

Early action is requested.

Yours faithfully,

(P.K Mishra)
Divisional Head, WQM-I Div

Encl:As above

Observations/suggestions of CPCB

- i. Water quality of all marine outfalls and all rivers joining coastal waters along with flow details to be included.
- ii. Compliance status of coastal waters based on 'Designated Best Use'- Standards notified under Environment(Protection) Rules, 1986 for SW-I to SW-V class waters to be included.
- iii. Compliance status of all the rivers joining coastal waters w.r.t to Bathing Criteria to be included.
- iv. Detailed gap analysis w.r.t to sewage management, industrial effluent management and waste management including hazardous waste, biomedical waste, E-waste & C&D waste generated in the Coastal Area along with proposed facilities, proposed capacity, implementing agency, budget and timeline to be included.
- v. Proposal for reuse of treated water in coastal areas to be included.



Tel : 0674-2562822, 2566955
E-mail: pariksha1@ospcbboard.org
Website: www.ospcbboard.org

STATE POLLUTION CONTROL BOARD, ODISHA

(DEPARTMENT OF FOREST & ENVIRONMENT, GOVERNMENT OF ODISHA)

Parishadi Bhawan, A/118, Nilakantha Nagar, Unit – VIII
Bhubaneswar – 751 012, INDIA

No. 841

ICZMP/SPCB/554/2022-23

Date 20/12/22

REMINDER

By E-mail

Most urgent (NGT Matter)

To,

The EIC, Water Resources Department
The Member Secretary, Odisha Water Supply and Sewerage Board
The District Collectors (Ganjam/Puri/Jagatsinghpur/Kendrapada/Bhadrak/Balasore)
The Regional Officers, OSPCB (Berhampur, Bhubaneswar, Paradeep & Balasore)

Sub: Action Plan to Control Marine Pollution in 480 km coastline of Odisha in compliance to the direction of Hon'ble NGT O.A. No.829/2019

Ref: This office letter no.258, dtd.20.04.2022, 426, dtd.8.6.2022 and 708, dtd.3.11.2022
CPB Letter No.A-14011/(O.A.No.829/2019)2021-WQM-I/4887, dtd.03.10.2022

Sir,

In inviting with kind pursuance to above caption subject & reference, it is again requested herewith to furnish specific information as directed by CPCB vide above reference letter submitted earlier with this office letter vide no. 708, dt.30.11.2022. The draft Action Plan require to be incorporated data on special emphasis to the flow details of all marine outfalls and all rivers joining to Bay of Bengal in the 480 K.M. Coastal stretch of Odisha.

The draft Action Plan was already provided earlier via mail on 10.6.2022 for relevant inputs as early as possible, which need concurrence from 'River/Coastal Rejuvenation Committee' constituted by Govt. of Odisha, and to be submitted before CPCB & MoJS.

This is for kind information and quick necessary compliance.

Yours faithfully

Member Secretary

Memo No. 842 Dt. 20/12/22

Copy forwarded to Sri P.X.Mishra, DII-WQM-I, Central Pollution Control Board, for information and necessary action.

Member Secretary



Tel: 0674-2562822, 2560955
E-mail: paribesh1@spcbboard.org
Website: www.spcboard.org

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

No. 839

ICZMP/SPCB/554/2022-23
REMINDER

Date 20/12/22

By E-mail
Most urgent (NGT Matter)

To,
The Member Secretary,
Odisha Coastal Zone Management Authority
Govt. of Odisha, Bhubaneswar.

Sub: Action Plan to Control Marine Pollution in 480 km coastline of Odisha in compliance to the direction of Hon'ble NGT O.A. No.829/2019
Ref: This office letter no.258, dtd.20.04.2022, 426, dtd.8.6.2022, 710 dtd. 3.11.2022
CPB Letter No.A-14011/(O.A.No.829/2019)2021-WQM-I/4887, dtd.03.10.2022

Sir,

In inviting to above caption subject & reference, it is pertinent to inform here that, as per the direction of CPCB, you are requested to provide coastal identification zones with coordinates coming under SW-1 (For salt pans, shell fishing, Mariculture and ecologically sensitive zone), SW-2 (bathing, contact water sports and commercial fishing), SW-3 (industrial cooling, recreation non-contact and aesthetics), SW-4 (Harbour waters) and SW-5 (Navigation and controlled waste disposal). Basing on which compliance status of coastal waters will be calculated as per designated based used standards notified under environment (Protection) Rules 1986.

The draft Action Plan was already provided earlier via mail on 10.6.2022 for relevant inputs as early as possible, which need concurrence from 'River/Coastal Rejuvenation Committee' constituted by Govt. of Odisha, and to be submitted before CPCB & MoJS.

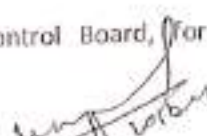
This is for your kind information and quick response.

Yours faithfully


Member Secretary

Memo No. 840 Dt. 20/12/22

Copy forwarded to Sri P.K.Mishra, DH-WQM-I, Central Pollution Control Board, for information and necessary action.


Member Secretary



Tel: 0674-2562822, 2560955
E-mail: paribesh1@ospcbboard.org
Website: www.ospcbboard.org

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

No. 837

ICZMP/SPCB/554/2022-23

Date 20/12/22

REMINDER

By E-mail

Most urgent (NGT Matter)

To,

The Director, Panchayati Raj and Drinking Water Department
The Director, Municipal Administration, Housing and Urban Development Department
The Director of Industries, Govt. of Odisha
The Director, Directorate of Fisheries, Govt. of Odisha
The Director, Agriculture, Dept. of Agriculture & Farmers Empowerment, Govt. of Odisha
The Secretary, Dept. of Information Technology and Electronics, Govt. of Odisha
The Member Secretary, Odisha Water Supply and Sewerage Board
The Commandant, Indian Coast Guard, District No.7, Odisha
The District Collectors (Ganjam/Puri/Jagatsinghpur/Kendrapada/Bhadrak/Balasore)

Sub: Action Plan to Control Marine Pollution in 480 km coastline of Odisha in compliance to the direction of Hon'ble NGT O.A. No.829/2019

Ref: This office letter no.258, dtd.20.04.2022 & 426, dtd.8.6.2022 and 706, dtd. 3.11.2022
CPCB Letter No.A-14011/O.A.No.829/2019/2021-WQM-I/4887, dtd.03.10.2022

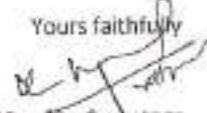
Sir,

In inviting to above caption subject & reference, it is again requested to furnish specific information as directed by CPCB vide above reference letter for conducting the gap analysis on management of sewage, industrial effluent, and other waste (hazardous waste, biomedical waste, E-waste, Construction & Demolitions Waste generated) in the Coastal area with data on present facilities, proposal for reuse of treated water, proposed facilities, proposed capacity, implementing agency, budget and targeted timeline is a must requirement from different stakeholders to complete the Action Plan. However, the information (annexure) are yet to be received, and is still under compliance stage and is to be submitted after necessary incorporation.

The draft Action Plan was already provided earlier via mail dtd 10.6.2022 for relevant inputs, views, comments & suggestion as early as possible, which need concurrence from 'River/Coastal Rejuvenation Committee' constituted by Govt. of Odisha, and to be submitted before CPCB & MoJS.

This is for kind information and necessary compliance.

Yours faithfully


Member Secretary

Memo No. 838 Dt. 20/12/22

Copy forwarded to Sri P.K.Mishra, DH-WQM-I, Central Pollution Control Board, for information and necessary action/The Regional Officer, OSPCB (Berhampur, Bhubaneswar, Paradeep & Balasore) for necessary action.


Member Secretary



Tel: 6674 2562822, 2560955
E-mail: paribesh1@spcbodisha.org
Website: www.spcbodisha.org

STATE POLLUTION CONTROL BOARD, ODISHA
(DEPARTMENT OF FOREST & ENVIRONMENT, GOVERNMENT OF ODISHA)
Paribesh Bhawan, A/11B, Nilakantha Nagar, Unit - VIII
Bhubaneswar - 751 012, INDIA

No. 835

ICZMP/SPCB/554/2022-23

Date 20/12/2022

By E-mail
Most urgent (NGT Matter)

To:

The Director, Environment-cum-Special Secretary to Government,
Department of Forest, Environment & Climate Change,
Govt. of Odisha, Bhubaneswar.

The Additional Secretary to Government,
Department of Forest, Environment & Climate Change,
Govt. of Odisha, Bhubaneswar.

Sub: Compliance to the Minutes of 13th CMC Meeting held on 09.06.2022 in the matter of
O.A. No.829/2019 & order dated 21.09.2020 on submission of Action Plan in respect of
polluted Coastal Stretches as per direction of CPCB u/s 18(1) (b) of Water (PCP) Act,
1974 on 16.06.2021.

Ref: Your Letter No.FE-ENV1-ENV-0021-2022/17136/FE&CC, dtd.23.09.2022, CPCB Letter
No.A-14011/(O.A.No.829/2019)2021-WQM-I/4887, dtd.03.10.2022 and this office letter
no. 712, dt.3.11.2022

Sir,

In inviting to above caption subject & reference, advice of the CPCB to include some
particular information in the Action Plan was communicated earlier to different line
departments/authorities for their feedback. Pertaining to management of sewage, industrial
effluent, and other waste in the Coastal area with data on present facilities, proposal for reuse
of treated water, proposed facilities, proposed capacity, implementing agency, budget and
targeted timeline is a must requirement from different stakeholders to complete the Action
Plan. However, the information (annexure) are yet to be received, and it is still under compliance
stage and is to be submitted after necessary incorporation.

This is for kind information and necessary compliance.

Yours faithfully


Member Secretary

Memo No. 836 Dt. 20/12/2022

Copy forwarded to Sri P.K.Mishra, DH-WQM-I, Central Pollution Control Board, for information
and necessary action.


Member Secretary

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 (Keonjhar and Sundergarh)	Iron & Manganese	128	164	90%
2.	Talcher (Angul)	Coal	15	32	47%
3.	Ib Valley (Jharsuguda)	Coal	10		31%
4.	Hemgiri block (Sundargarh)	Coal	05		16%
5.	Sukinda (Jajpur)	Chromite		21	81%

6.	Sundargarh (Sundargarh)	Limestone & Dolomite	22	25	88%
7.	Raygada- Koraput(Rayagad and, Koraput)	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	- 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	- 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	• 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	• 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	• 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	• Wet drilling and controlled blasting to minimize dust generation • Water sprinkling on haul roads to minimize dust generation • Plantation
4.	Limestone and Dolomite	• Toe wall and garland drain • Settling pond	• Wet drilling and controlled blasting to reduce dust generation • Water sprinkling on haul roads to prevent dust generation • plantation
5.	Bauxite	• Check dam for surface runoff management • Effluent Treatment Plant for workshop and canteen effluent • Back filling of mined out area using overburden	• Deployment of ripper dozer to minimize dust generation • Water sprinkling on haul roads to control dust emission • Plantation

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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 NDT by NMCG.

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