FAX : 2562822/2560955
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E-mail: paribesh@sancharnet.in
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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

Ind. VI-2824 (Pt. X) /22-23

Email : ed-technical@nmcg.nic.in
ruby.raju@nmcg.nic.in

No. 11448 Date : 30.6.2022

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 May- 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 May, 2022 in the matter of O.A. 673 of 2018 is enclosed herewith for your kind information and necessary action

Yours faithfully,

Encl : As above

29/6/22

Member Secretary

Memo No. 11449 **Dt.** 30.6.2022

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

29/6/22

Member Secretary

Memo No. 11450 **Dt.** 30.6.2022

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

29/6/22

Member Secretary

Contd.

Memo No. 11451 **Dt.** 30.6.2022

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

Member Secretary

Memo No. 11452 **Dt.** 30.6.2022

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.

29/6/22

Member Secretary

Memo No. 11453 **Dt.** 30.6.2022

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

29/6/22

Member Secretary

Memo No. 11454 **Dt.** 30.6.2022

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

29/6/22

Member Secretary

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

For the State of ODISHA for the month of May, 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): 11 STPs : 282.50 MLD
- STPs under Construction : 02 STPs : 88.00 MLD
- Total Number of STPs and Treatment Capacity (in MLD): 13 STPs : 370.50 MLD
- Capacity Utilization of existing STPs: 107.90 MLD
- Sewage being treated through Alternate technology: [Faecal Sludge Treatment Plant (FSTP)]
  - Existing number of FSTPs and Treatment capacity : 103 FSTPs : 1797 KLD (1.797 MLD)

(Detail list enclosed at page 18)

  - FSTPs under construction : 16 FSTPs : 260 KLD (0.26 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 STYs : 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 1 SeTP (FSTP) for newly created ULB : Remuna NAC : March, 2023.

Time frame for completion of 7 SeTP (FSTP)- June, 2022 : 1. Polsara (10 KLD), 2. Chandbali (10 KLD), 3. Berhampur-II (60 KLD), 4. Dharamgarh (10 KLD), 5. Umerkote (10 KLD), 6. Udala (10 KLD) and 7. Jaleswar (10 KLD)

Time frame for completion of 8 SeTP (FSTP)- July, 2022 : 1. Koraput (10 KLD), 2. Banapur (10 KLD), 3. Belaguntha (10 KLD), 4. Balugaon (10 KLD), 5. Jajpur (20 KLD), 6. Bhuban (10 KLD), 7. Burla (20 KLD) and 8. Hirakud (20 KLD).

- Gap in Treatment Capacity in MLD:

  Total quantity of sewage generation from (Bhubaneswar, Cuttack, Sambalpur, Rourkela, 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 treatment capacity : 370.50-282.50 = 88 MLD

  For the rest of 108 ULBs, the State has embarked on decentralized non sewered 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 114 ULBs.

- No. of Operational STPs: 11 STPs
- No. of Complying STPs 11 STPs
- No. of Non-complying: 13-11 = 2 STPs

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	Cuttack				
1	CDA-Bidanasi area	36 MLD	20.51 MLD	O & M by OISIP, JICA, Cuttack	Running Smoothly
2	Mattagajpur	33 MLD	33 MLD	O & M by WATCO	Running Smoothly
3	Mattagajpur	16 MLD	0.11 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 MLD		Running Smoothly

	Talcher				
6	Mandapal	2 MLD	2 MLD	O & M by PHEO	Running Smoothly
	Bhubaneswar				
7	Meherpalli	56 MLD	9.30 MLD	O & M by WATCO	Operational since December, 2020
8	Basuaghai	28 MLD	8.25 MLD		
9	Kochilaput	43.5 MLD	8.20MLD		
10	Paikarapur	8 MLD	4 MLD		
	Rourkela				
11	Ruptala Balughat	40 MLD	2.60 MLD	Partially Commissioned since Dec. 2020	Running Smoothly
Total : 10 STPs		**282.50 MLD**	**106.70 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	74.80% completed	0 % (0/36000 Nos.)	STP : Aug. 2022; Sewer Network : September. 2022; House Sewer Connection : March, 2023
		Meherpalli, Bhubaneswar	56	Commissioned	41.18% (21527/52267 Nos)	House Sewer connection-Sept. 2022
		Basuaghai, Bhubaneswar	28		87.46% (19096/ 21832 Nos)	
		Kochilaput, Bhubaneswar	43.5		43.87% (18980/43260 Nos)	
		Paikarapur, Bhubaneswar	8		100 % (4486/ 4486 Nos)	Completed
2	**2**	Cuttack				
		Mattagajpur	16	Commissioned since 01.3.2022	STP is commissioned. House sewer connection is under progress. After completion of all house sewer connections, wastewater will not be discharged to river Kathajodi	Sewer network : Sept. 2022. House Sewer connection-March, 2023

		CDA, Cuttack	36	Commissioned since Dec. 2018	39.69 % (17268/ 43500 Nos.)	House Sewer connection-March, 2023
3	1	Sambalpur	40	Trial run is going on and part commissioning will start from 1st week of June 2022	0% (0/30,635 Nos.)	STP : June, 2022, Sewer Network : September. 2022, House Sewer Connection : March, 2023
4	1	Rourkela	40	Partly commissioned since Dec. 2020	2.11 (899/ 42440 Nos.)	Sewer network : Sept. 2022. House Sewer connection-March,2023

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.				

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

IV. Details of Industrial Pollution:

- Total Number of Industries : 7338
- No. of water polluting industries in the State: 1269
- Quantity of effluent generated from the industries in MLD: 806.9355 MLD (For treatment)
- Quantity of Hazardous Sludge generated from the Industries in TPD : 141.9 TPD
- Number of industrial units having ETPs: 1238
- 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 : 1238 Numbers, 1028.458 MLD
  Under Construction : Nil
  Proposed : Nil
  Total : 1238 Numbers, 1028.458 MLD
- Compliance status of the ETPs:
  - As per the frequency of inspection norms vide Office Order No. 1081 dated 31.01.2020, ETPs of 58 numbers of Industries have been inspected for compliance status during May, 2022. Out of these, 53 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 34 number of units for not having ETPs.

- During May, 2022 Show Cause Notice have been issued to 04 numbers of industries for non-compliance of discharge norms of ETPs. And action is to be taken against one number of industry for non-compliance of discharge norms of ETPs.

- 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 : 2262 TPD
- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc
- Existing MSW Processing Facilities :

Type of Processing Facility	Numbers	Installed Capacity (in TPD)	Utilization
Compost Plant- Micro Composting Centre (MCC)	244	1142.5	83 %
Materials Recovery Facility (MRF)	203	2090	45 %

- 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
2035	2035 (100%)	2035 (100%)

- 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): 219 Nos. (Capacity: 2250 TPD)
    - MSW processing facilities Functional :
        - Composting Facility- Number of Functional Micro Composting Centre (MCC) : 244 Nos.(Capacity : 1142.5 TPD)
        - Number of Functional Material Recovery Facilities (MRF): 203 Nos. (Capacity: 2090 TPD)
    - MSW processing facilities Under Construction:
        - Composting Facility - Micro Composting Centres (MCC): 34 Nos. (Capacity : 153.5 TPD)
        - Material Recovery Facilities (MRF): 16 Nos. (Capacity:160 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					

(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

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: 134 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 1.797 KLD (1.797 MLD) septage is being treated through Septage Treatment Plants in 103 nos. of SeTPs in ULBs of the State against the 119 SeTPs. Balance 16 nos. of SeTPs (260 KLD) are under progress. Time Frame for completion of these 16 Nos. of SeTP are within March, 2023.

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

X. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment: Drains contributing to river pollution have been identified by H & UD Department. Detail information is under preparation

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

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

Till date, Six 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, 18.01.2022 and 07.04.2022.

(Minutes of 6th Review Meeting as received from Forest, Environment & Climate Change Department , Govt. of Odisha has been attached as Annexure-2)

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-3)

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-4.

Status of Polluted River stretches in the State of Odisha during the period 2017-2022 with maximum BOD values during the year (Upto May, 2022) is given as Annexure-5 (a) and Summary of number of polluted river stretches under different category during the period 2017-2021 (upto May, 2022) is given as Annexure-5 (b).

Latest water quality of all river water quality stations (May, 2022) being monitored by the Board is given as Annexure-5 (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)

	Govt.	**Private**
2018-19	358 Nos.	9438 Nos. (in 11 towns of 9 districts)
2019-20	Nil	Nil
2020-21	Nil	Nil
2021-22 (Upto May, 2022)	Nil	Nil

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	240 nos taken up Completed upto 05/2022 : 158 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 05/2022	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).

In 2021-22, green belts will be created on the identified vacant areas/ flood plains on the bank of the river stretches with the help of the Forest and Environmnet Department.

XX. Development of biodiversity park:

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

(Information received for Item No. XIV to XX from Dept. of Water Resources, Govt. of Odisha has been attached as Annexure-6 and Annexure-7)

XXI. Reuse of Treated Water:

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

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

(Information received from Orissa Water Supply and Sewerage Board has been attached as Annexure-8)

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

As per BOD, maximum during May-2022, river water quality status as given in Annexure-5(b), number of priority-wise polluted river stretches is :

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

13 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-pLan-for-Kathajodi-river-JULY-20.pdf).

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-10.

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

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

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.

(Copy of sent email has been attached as Annexure-11)

XXIV. Regulation of Mining Activities in the State/UT: Enclosed as Annexure-12.

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

Wherever violation is observed, show cause notices are being issued to the industries.

- Closure direction has been issued to 34 number of units for not having ETPs.
- During May, 2022 Show Cause Notice have been issued to 04 numbers of industries for non-compliance of discharge norms of ETPs and action is to be taken against one number of industry for non-compliance of discharge norms of ETP.

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 May, 2022. Extract of the Grievance report for the period 01.05.2022 to 31.05.2022 downloaded from the portal is given as Annexure-13.

Annexure-1

Tel -0674-2392104/2390147
e-mail : sanitationhud@gmail.com
Website: www.urbanodisha.gov.in

Government of Odisha
Housing & Urban Development Department
3rd floor, Kharavel Bhavan, Unit-V, Bhubaneswar, PIN:751001

File No.: HUD-SANT-CASEOP-0003-2020 Letter No.: 10137 /HUD. Date: 09.06.2022

From

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

To

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

Sub: Submission of revised Monthly Progress Report for May, 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 : This Department Letter No.10002 Dated 08.06.2022

Sir,

In continuation of this Department Letter No.10002 Dated 08.06.2022, I am directed to send herewith the revised Monthly Progress Report for the month of May, 2022 in prescribed format in compliance to Order Dated 06.12.2019 of the Hon'ble NGT passed in O.A. No. 673/2018.

Yours faithfully,

09-06-2022
Special Secretary to Government &
Additional Mission Director, SBM (Urban)

Memo No. 10138 Date: 09.06.2022

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).

09-06-2022
Special Secretary to Government &
Additional Mission Director, SBM (Urban)

National Mission for Clean Ganga

Monthly Progress Report for the month of May, 2022 for the State of Odisha

[Format for submission of Monthly Progress Report in compliance to Order Dated 06.12.2019 in O.A No.673 / 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, waste water 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 generated from these six ULBs is 302.01 MLD. [1. BMC (114.97 MLD), 2.CMC (82.54 MLD), 3.SMC (43.51 MLD), 4.RMC (35.65 MLD), 5. Puri (M) (20.05 MLD) and Talcher(M) (5.29 MLD)]

III. **Details of sewage Treatment Plant**

- **Existing number of STPs and Treatment Capacity (in MLD)** : 11 STPs : 282.50 MLD
- **STP under construction** : 02 STPs : 88.00 MLD
- **Total number of STPs and Treatment Capacity (in MLD)** : 13 STPs : 370.50 MLD
- **Capacity Utilization of Existing STPS** : 107.90 MLD
- **Sewage being treated through alternative technology** [Faecal Sludge Treatment Plant]
- **Existing number of FSTPs and Treatment Capacity** : 103 FSTPs : 1797 KLD (1.797 MLD)
- **FSTPs under construction** : 16 FSTPs : 260.00 KLD(.26 MLD)
- **Total number of FSTPs and Treatment Capacity** :119 STPs : 2057.00 KLD(2.057 MLD)

(i) Total waste water 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 13 STPs and 119 FSTPs : 372.56 MLD
(v) Balance waste water to be treated [(i) –(iv)] : 507.44 MLD
Through Grey Water Management System
(Now under piloting stage)

Time frame for completion of 1 SeTP for newly created ULB: Remuna NAC- March, 2023

Time frame for completion of 7 SeTPs - June, 2022 :1. Polsara (10 KLD), 2. Chandabali (10 KLD), 3. Berhampur-II(60 KLD), 4. Dharangarh (10 KLD), 5. Umerkote (10 KLD), 6. Udala (10 KLD),& 7. Jaleswar (10 KLD)

Time frame for completion of 8 nos. SeTP – July,2022

1. Koraput (20 KLD), 2. Banapur (10 KLD), 3.Belaguntha (10 KLD), 4. Balugaon (10 KLD), 5. Jajpur (20 KLD), 6. Bhuban (10 KLD), 7. Burla (20 KLD) & 8. Hirakud (20 KLD).

- **Gap in Treatment Capacity in MLD :**

Total quantity of sewage generation from (Bhubaneswar, Cuttack, Sambalpur, Rourkela, 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 treatment capacity : 370.50-282.50 = 88 MLD

For the rest of 108 ULBs, the State has embarked on decentralized non sewered approach for treating black water and grey water separately. The approach has been divided into two phases. First phase focused on achieving completing black water security through Faecal Septage Management. Next phase is focusing on treatment of grey water by pilot intervention in two ULBs at Jatni and Dhenkanal. Based on the learning from the pilot, the grey water management will be scaled up in all 114 ULBs.

- No. of Operational STPs : 11 STPs
- No. of Complying STPs : 11 STPs
- No. of non-complying STPS : Nil
- No. of under construction STP : 02 STPs

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	9.30	O&M by WATCO	Operational since Dec.2020
	1	Basuaghai	28	8.25		-do-
	1	Kochilaput	43.50	8.20		-do-
	1	Paikarapur	8	4		-do-
2		Cuttack				
	1	Matgajpur	33	33	O&M by WATCO	Running smoothly
	1	CDA	36	20.51	O&M by OISIP, JICA, Cuttack	-do-
	2	Matagajpur	16	0.11	-do-	-do-

3		Puri				
	1	Mangalaghat	15	15	O&M by WATCO	Running smoothly
	1	Bankimuhan,	5	5		
4	1	Talcher, Mandapal	2	2	O&M by PHEO	-do-
5	1	Rourkela	40	2.60	Partially commissioned since Dec.2020	-do-
Total	11		282.50	107.90		

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	48	74.80	0% (0/36000Nos)	STP : Aug-2022, Network : Sept.-2022, House sewer connection : March,2023.
		Meherpalli	56	Commissioned	41.18% (21527/52267 Nos)	House Sewer Connections (HSC):Sept. 2022.
		Basuaghai	28		87.46% (19096/21832 Nos)	-do-
		Kochilaput	43.5		43.87% (/1898/43260Nos)	-do-
		Paikarapur	8		100% (4486/4486 nos)	Completed.
2		Cuttack				
	1	Matgajpur	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 : Sept. 2022. House Sewer Connection – March-2023
	1	CDA	36	Commissioned since Dec. 2018	39.80 % (17313/ 43500 nos.)	House Sewer Connection – March-2023
3	1	Sambalpur	40	Trial run is going on and part commissioning will start from 1st week of June-2022.	(0/30635 Nos)	STP : June-2022 , Network : Septemebr,2022. House Sewer Connection – March-2023
4	1	Rourkela	40	Partly Commissioned since Dec. 2020	899/42440 nos. (2.11%)	Sewer network : June-2022. House Sewer Connection : March-2023

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 cities and towns in the State by setting up Septage Treatment Plants to manage the faecal waste water to reduce environmental pollution. In this process all 114 ULBs of Odisha will be covered.

Status of Operational/under going Septage Treatment Plants (As on May,2022)

Sal. 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	Khariar	10	Operational
34	Belapahar	10	Operational
35	Patanagarh	10	Operational
36	Talcher	20	Operational
37	Sundargarh	20	Operational
38	Hinjilcut	10	Operational

Statsu of Operational SeTP

Sal. 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	Karanjia	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	Athamallik	10	Operational

Statsu of Operational SeTP

Sal. No.	Name of the ULBs	Capacity of SeTP (In KLD)	Remarks
79	Rerakhol	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	Ranpur	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
	Total	**1797**	**Operational**

Statsu of Operational SeTP

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: 2,262 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	244	1,142.5	83%
Materials Recovery Facility (MRF)	203	2,090	45%

- 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 populationforecast, 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
2048	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): 219 Nos. (Capacity:2,250 TPD)

MSW processing facilities Functional:

- Composting Facility - Number of Functional Compost Plants: 244Nos. (Capacity: 1,142.5TPD)
- Number of Functional Material Recovery Facilities (MRF): 203Nos. (Capacity: 2,090 TPD)

MSW processing facilities Under Construction/To be functional

- Composting Facility - Micro Composting Centers (MCC): 34 Nos. (Capacity: 153.5 TPD)
- Material Recovery Facilities (MRF): 16 Nos. (Capacity: 160 TPD)

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

- Garbage dumpsites: 76numbers (371Acre approx.)
- Sanitary Landfill: Nil

- No. and area (in acres) of legacy waste within 1 km buffer of both side of the rivers: Nil
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers:
- No. of drains reaching to River System, lakes, Water Bodies, Pond, Marsh Land, Water Lands:225
- Drains having floating racks/screens installed: 225

Status of ULB wise Management of Solid Waste

VIII. Plastic Waste Management:

- Total Plastic Waste generation:134 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		Completic 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	7.47	8	7.47	10	20	80%	37%	0	0	
2	Angul (M)	8.78	8.2	8.78	8.2	12	30	73%	27%	0	0	
3	Asika (NAC)	3.74	3.51	3.74	3.51	10	20	37%	18%	0	0	
4	Athagad (NAC)	3	2.88	3	2.88	3	10	100%	29%	2	0	31-08-2022

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		Completic Timeline
		Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	
5	Athmallik (NAC)	2.16	2.03	2.16	2.03	5	10	43%	20%	0	0	
6	Attabira NAC	2.87	2.7	2.87	2.7	4	10	72%	27%	0	10	31-08-2022
7	Balangir (M)	16.45	15.4	15	15.4	15	30	100%	51%	0	0	
8	Balasore (M)	19.72	18.45	19.72	18.45	20	40	99%	46%	0	0	
9	Balimela (NAC)	2.16	2.03	2.16	2.03	4	10	54%	20%	0	0	
10	Balliguda NAC	3.26	3.06	2	3.06	2	10	100%	31%	0	0	
11	Balugaon (NAC)	3.03	2.84	3	2.84	3	10	100%	28%	0	0	
12	Banki (NAC)	3.02	2.83	2	2.83	2	10	100%	28%	5	0	31-08-2022
13	Banpur (NAC)	3.07	2.88	3	2.88	3	10	100%	29%	0	0	
14	Barbil (M)	11.23	10.51	11.23	10.51	15	30	75%	35%	0	0	
15	Bargarh (M)	16.36	12.69	15	12.69	15	30	100%	42%	0	0	
16	Baripada (M)	22.35	17.19	22.35	17.19	25	60	89%	29%	5	0	31-08-2022
17	Barpali (NAC)	4.09	3.43	4.09	3.43	6	20	68%	17%	0	0	
18	Basudebpur (M)	6.73	5.7	5	5.7	5	10	100%	57%	5	0	31-08-2022
19	Bellaguntha (NAC)	2.01	1.88	2.01	1.88	5	10	40%	19%	0	0	
20	Belpahar (M)	6.57	6.16	5	6.16	5	10	100%	62%	0	0	
21	Berhmapur (MC)	77	66	77	66	80	70	96%	94%	0	0	
22	Bhadrak (M)	18	16.84	8	10	8	10	100%	100%	0	10	31-08-2022
23	Bhanjanagar NAC	3.59	3.37	3.59	3.37	5	10	72%	34%	0	0	
24	Bhawanipatna (M)	11.66	10.92	11.66	10.92	14	30	83%	36%	0	0	
25	Bhuban (NAC)	3.86	3.62	3.86	3.62	6	20	64%	18%	0	0	
26	Bhubaneswar (MC)	212	188.92	144	160	144	160	100%	100%	55	80	31-08-2022
27	Bijepur (NAC)	2.16	2.01	2	2.01	2	20	100%	10%	0	0	
28	Binika (NAC)	2.72	2.55	2.72	2.55	3	10	91%	26%	0	0	
29	Biramitrapur (M)	5.69	5.33	5	5.33	5	10	100%	53%	0	0	
30	Boudhgarh (NAC)	3.56	3.34	3.56	3.34	5	10	71%	33%	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		Completic Timeline
		Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	
31	Brajarajnagar (M)	13.55	12.69	10	12.69	10	20	100%	63%	0	0	
32	Buguda (NAC)	2.66	2.5	2.66	2.5	5	10	53%	25%	0	0	
33	Byasanagar (M)	8.27	7.75	8.27	7.75	10	20	83%	39%	0	0	
34	Champua NAC	2.95	2.76	2.95	2.76	5	10	59%	28%	0	0	
35	Chandbali (NAC)	4.62	4.33	1.5	4.33	1.5	10	100%	43%	3.5	20	31-08-2022
36	Chhatrapur (NAC)	3.9	3.9	3.9	3.9	15	30	26%	13%	0	0	
37	Chikiti (NAC)	2.07	1.95	2.07	1.95	5	10	41%	20%	0	0	
38	Choudwar (M)	7.22	6.76	6	6.76	6	30	100%	23%	0	0	
39	Cuttack (MC)	117.82	137.05	50	30	50	30	100%	100%	40	30	31-08-2022
40	Daspalla NAC	3.26	3.06	3.26	3.06	5	10	65%	31%	0	0	
41	Deogarh (M)	3.84	3.6	3.84	3.6	5	10	77%	36%	0	0	
42	Dhamnagar (NAC)	3.9	3.66	3.9	3.66	4	10	98%	37%	0	0	
43	Dharmagarh NAC	2.8	3.07	2.8	3.07	3	10	93%	31%	0	0	
44	Dhenkanal (M)	12	10.58	12	10.58	14	30	86%	35%	0	0	
45	Digapahandi (NAC)	2.51	2.34	2.51	2.34	5	10	50%	23%	0	0	
46	G. Udayagiri (NAC)	2.12	1.97	2.12	1.97	3	10	71%	20%	0	0	
47	Ganjam (NAC)	2.05	1.92	2.05	1.92	5	10	41%	19%	0	0	
48	Gopalpur (NAC)	1.35	1.27	1.35	1.27	5	20	27%	6%	0	0	
49	Gudari (NAC)	1.3	1.23	1.3	1.23	2	10	65%	12%	0	0	
50	Gunupur (M)	4.79	4.48	4.79	4.48	10	10	48%	45%	0	0	
51	Hindol NAC	3.02	2.83	2	2.83	2	10	100%	28%	0	0	
52	Hinjilicut (M)	4.23	3.96	4.23	3.96	10	20	42%	20%	0	0	
53	Jagatsinghpur (M)	5.71	5.35	5	5.35	5	10	100%	54%	0	0	
54	Jajpur (M)	6.34	6	6.34	6	10	20	63%	30%	0	0	
55	Jaleshwar (M)	5	4	5	4	5	10	100%	40%	0	0	
56	Jatani (M)	9.41	8.81	9.41	8.81	10	10	94%	88%	0	0	
57	Jeypore (M)	17.25	14	17.25	14	20	30	86%	47%	0	0	

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		Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	
58	Jharsuguda (M)	16.34	15.3	10	15.3	10	20	100%	77%	5	0	31-08-2022
59	Joda (M)	8.5	7.38	8.5	7.38	10	20	85%	37%	0	0	
60	Junagarh (NAC)	3.38	3.17	3.38	3.17	5	10	68%	32%	0	0	
61	Kabisurjyanagar (NAC)	2.99	2.81	2.99	2.81	5	10	60%	28%	0	0	
62	Kamakshyanagar (NAC)	3	3	3	3	3	10	100%	30%	0	0	
63	Kantabanji (NAC)	3.76	3.53	3.76	3.53	5	10	75%	35%	0	0	
64	Karanjia (NAC)	3.94	3.6	3.94	3.6	6	20	66%	18%	0	0	
65	Kashinagar (NAC)	1.76	1.65	1.76	1.65	6	10	29%	17%	0	0	
66	Kendrapara (M)	7.99	7.49	5	7.49	5	20	100%	37%	3	0	31-08-2022
67	Keonjhargarh (M)	12.24	9.5	12.24	9.5	15	20	82%	48%	0	0	
68	Kesinga (NAC)	3.33	3.13	3.33	3.13	5	10	67%	31%	0	0	
69	Khalikote (NAC)	2.25	2.16	2.25	2.16	5	10	45%	22%	0	0	
70	Khandapada (NAC)	1.6	1.5	1.6	1.5	5	10	32%	15%	0	0	
71	Khariar (NAC)	2.65	2.49	2.65	2.49	3	10	88%	25%	0	0	
72	Khariar Road (NAC)	3.31	3.11	3	3.11	3	10	100%	31%	0	0	
73	Khordha (M)	7.78	7.29	5	7.29	5	10	100%	73%	5	0	31-08-2022
74	Kodala (NAC)	2.5	2.34	2.5	2.34	5	10	50%	23%	0	0	
75	Konark (NAC)	3	2.71	3	2.71	3	20	100%	14%	2	10	31-08-2022
76	Koraput (M)	8.06	7.55	8.06	7.55	10	20	81%	38%	0	0	
77	Kotpad (NAC)	2.91	2.74	2.91	2.74	10	20	29%	14%	0	0	
78	Kuchinda (NAC)	2.78	2.61	2.78	2.61	3	10	93%	26%	0	0	
79	Malkangiri (M)	5.34	5.01	5.34	5.01	8	10	67%	50%	0	0	
80	Nabarangapur (M)	5.12	4.8	5	4.8	5	10	100%	48%	0	0	
81	Nayagarh (M)	3.32	3.1	3.32	3.1	5	10	66%	31%	0	0	
82	Nilagiri (NAC)	3.04	2.85	3.04	2.85	4	10	76%	29%	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		Completic Timeline
		Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	
83	Nimapara (NAC)	3.39	3.19	2	3.19	2	10	100%	32%	3	0	31-08-2022
84	Nuapada NAC	2.81	2.64	2.81	2.64	3	10	94%	26%	0	0	
85	Odagaon (NAC)	2.14	2.01	2.14	2.01	5	10	43%	20%	0	0	
86	Padmapur NAC	3.04	2.85	3.04	2.85	6	30	51%	10%	0	0	
87	Paradeep (M)	11.57	10.83	11.57	10.83	12	20	96%	54%	0	0	
88	Paralakhemundi (M)	8.97	7.06	8.97	7.06	11	20	82%	35%	0	0	
89	Patnagarh (NAC)	3.64	3.41	3.64	3.41	5	10	73%	34%	0	0	
90	Pattamundai (M)	6.75	5.86	6.75	5.86	10	20	68%	29%	0	0	
91	Phulabani (M)	6.34	5.94	6.34	5.94	8	20	79%	30%	0	0	
92	Pipili (NAC)	3.12	2.93	3	2.93	3	10	100%	29%	0	0	
93	Polasara (NAC)	3.99	3.74	3.99	3.74	5	10	80%	37%	0	0	
94	Puri (M)	37.16	31.29	37.16	31.29	50	50	74%	63%	0	0	
95	Purusottampur (NAC)	2.74	2.58	2.74	2.58	5	10	55%	26%	0	0	
96	Rairangpur (M)	4.41	4.13	4.41	4.13	10	20	44%	21%	0	0	
97	Rajagangapur (M)	8.73	9.65	5	9.65	5	10	100%	97%	5	0	31-08-2022
98	Rambha (NAC)	2.35	2.12	2.35	2.12	5	10	47%	21%	0	0	
99	RANPUR NAC	2.54	2.39	2.54	2.39	3	10	85%	24%	0	0	
100	Raurkela (MC)	59.87	56.56	40	56.56	40	80	100%	71%	0	0	
101	Rayagada (M)	11.99	11.23	11.99	11.23	15	20	80%	56%	0	0	
102	Redhakhol (NAC)	2.73	2.57	2.73	2.57	3	10	91%	26%	0	0	
103	Remuna(N)	1.5	1.5	0	0	0	0	0%	0%	0	0	
104	Sambalpur (MC)	65	61.27	45	61.27	45	70	100%	88%	10	0	31-08-2022
105	Sonepur (M)	4	3.81	4	3.81	5	10	80%	38%	0	0	
106	Soro (M)	5.51	5.16	5	5.16	5	10	100%	52%	0	0	
107	Sunabeda (M)	8.52	7.98	8.52	7.98	10	20	85%	40%	0	0	
108	Sundargarh (M)	7.62	7.13	7.62	7.13	10	20	76%	36%	5	0	31-08-2022
109	Surada (NAC)	2.64	2.48	2.64	2.48	5	10	53%	25%	0	0	
110	Talcher (M)	7.5	6.46	7.5	6.46	10	20	75%	32%	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		Completic Timeline
		Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	Wet Waste	Dry Waste	
111	Tarbha (NAC)	1.7	1.49	1.7	1.49	6	10	28%	15%	0	0	
112	Titilagarh (M)	5.32	4.98	5	4.98	5	10	100%	50%	0	0	
113	Tusura NAC	2.02	1.88	2.02	1.88	5	10	40%	19%	0	0	
114	Udala (NAC)	2.33	2.19	2.33	2.19	5	10	47%	22%	0	0	
115	Umerkote (M)	5	4.69	5	4.69	5	10	100%	47%	0	0	
	Total:	**1,171**	**1,091**	**946**	**947**	**1,142.5**	**2,090**	**83%**	**45%**	**153.5**	**160**	

By E-mail

GOVERNMENT OF ODISHA
FOREST, ENVIRONMENT & CLIMATE CHANGE DEPARTMENT

No. FE-ENV1-ENV-0005-2020/ 7832 /FE&CC, Dt. 28 .04.2022

From

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

To

The Additional Chief Secretary to Govt., Health & Family Welfare Department
The Additional Chief Secretary to Govt., Department of Water Resources
The Principal Secretary to Govt., Panchayati Raj & Drinking Water Department
The Principal Secretary, Works Department
The Principal Secretary to Govt., Housing & Urban Development Department
The Principal Secretary, Industries Department
The Commissioner-cum-Secretary to Govt., Fishery & ARD Department
The Director, Municipal Administration, H&UD Department
The Director of Industries, Cuttack
The Director of Mines, Bhubaneswar
The Director, Public Health, Health & Family Welfare Department
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, CES, RPRC Campus, Nayapalli, Bhubaneswar

Sub: Minutes of 6th Review Meeting of Environmental Monitoring Cell held on 07.04.2022 at 12:45 PM through Microsoft Teams under the Chairmanship of the Chief Secretary, Odisha regarding compliance of Hon'ble NGT in O.A. No. 606/2018 and related matters.

Sir,

In inviting a reference to the subject cited above, I am directed to enclose herewith the minutes of 6th Review Meeting of Environmental Monitoring Cell held on 07.04.2022 at 12:45 PM through Microsoft Teams under the Chairmanship of the Chief Secretary, Odisha regarding compliance of Hon'ble NGT in O.A. No. 606/2018 and related matters for your kind information. It is further to inform that the date of personal appearance of Chief Secretary has been postponed to 27.09.2022, which was intimated vide letter No. 7098/FE&CC dated 13.04.2022.

The compliance to the minutes may please be intimated immediately.

As decided in the meeting, it is rquested to nominate an Officer as Nodal Officer along with telephone number & e-mail for better co-ordination.

Yours faithfully,

Encl: As above

27/04
Director, Environment-Cum-
Special Secretary to Government

(P.T.O)

Memo No. 7833 / FE&CC, Dt 28 .04.2022

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

Encl: As above

27/04

Director, Environment-Cum-
Special Secretary to Government

Memo No. 7834 / FE&CC, Dt 28 .04.2022

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

Encl: As above

27/04

Director, Environment-Cum-
Special Secretary to Government

Memo No. 7835 / FE&CC, Dt 28 .04.2022

Copy along with mintues forwarded to the Member Secretary, Central Pollution Control Board, Paribesh Bhawan, East Arjun Nagar, Delhi-110032 for kind information and necessary action.This is with reference to direction of Hon'ble NGT in O.A No. 606/2018.

Encl: As above

27/04

Director, Environment-Cum-
Special Secretary to Government

Minutes of 6th meeting of Environment Monitoring Cell (EMC) held on 07.04.2022 at 12.45 PM through Virtual Mode under the Chairmanship of Chief Secretary, Odisha

The 6th meeting of Environment Monitoring Cell (EMC) was held on 07.04.2022 under the Chairmanship of Shri Suresh Chandra Mahapatra, IAS, Chief Secretary, Odisha to review the progress of Solid Waste Management, Sewage Management and other related matters adjudicated in O.A. No. 606/2018. Dr. Mona Sharma, IAS, Additional Chief Secretary, Forest, Environment & Climate Change Department welcomed all the Members to the meeting and outlined in brief about the compliances to be made before the personal appearance of Chief Secretary on 21.04.2022 before Hon'ble NGT as per the order Dt.30.11.2021 and in other matters.

Thereafter, Dr. K. Murugesan, IFS, Director, Environment-cum-Special Secretary, Forest, Environment & Climate Change Department make the presentation before the members present indicating the progress and compliances made so far to achieve the gap on different Waste Management Rules and on sewage management of the State.

1. **O.A. 606/ 2018**: Compliance of Municipal Solid Waste Management Rules, 2016 (Main matter)
2. **O.A. 593/ 2017**: Paryavaran Surakhya Samiti Vrs. Union of India & Ors. (STP related matter, Proceeding started on compliance of direction of Hon'ble Supreme Court in W.P. (C) No. 375/ 2012, Paryavaran Surakhya Samiti Vrs. Ors, disposed of on 22.02.2017).
3. **O.A. 673/ 2018**: News Item Published in 'The Hindu' Authored by Shri. Jacob Koshy, titled "More River Stretches are now Critically Polluted: CPCB" (19 identified Polluted River stretches of Odisha).
4. **O.A. 710, 711.712 & 713/ 2017**: Shailesh Singh Vrs. Sheela Hospital & Trauma Centre & Ors. in the matter of Bio-Medical Waste Management Rule, 2016.
5. **O.A. 72/ 2020**: In Re: Scientific Disposal of Bio-Medical Waste arising out of COVID-19 treatment- Compliance of BMW Rules. SPCB to monitor COVID 19 waste till the end of Pandemic.
6. **O.A. 325/ 2015**: Lt. Col. Sarvadaman Singh Oberoi Vrs. Union of India & Ors. Identification, Restoration and Rejuvenation of Ponds.
7. **O. A. 681/ 2018:** National Clean Air Programme (NCAP) relating to 7 (seven) identified non-attainment cities (NAC) of Odisha i.e. Bhubaneswar, Cuttack, Angul, Talcher, Rourkela, Balasore and Kalinga Nagar regarding improvement of air quality up to 20-30 % by 2025 from 2017 level and control of Noise Pollution.
8. **O. A. 173/ 2018** and **O. A. 360/ 2015**: Enforcement and monitoring mechanism to control and regulate Sand Mining activities in river bed particularly Subarnarekha.

It was intimated to the members that Hon'ble NGT has sent an indicative guideline to be discussed during the personal appearance Chief Secretary in VC mode which has been circulated to all the Departments concerned vide FECC Dept. Letter No. 6640 Dt.

05.04.2022 with a request to submit the information by 11.04.2022 for incorporating the data provided in the reply to be submitted before Hon'ble NGT. The Director Env. Cum Special Secretary intimated that the Chief Secretary may like to make a presentation showing the action taken report and progress made so far for the State of Odisha. It was decided by the Chief Secretary that presentation is to be made on 21.04.2022 in virtual mode. It is intimated that the Secretary, Ministry of Jal Shakti, Govt. of India and NMCG, New Delhi is reviewing the matter on progress made on solid waste management, sewage management and related cases as per the direction of Hon'ble NGT in Central Monitoring Committee (CMC) and the last one is 12th review meeting held on 04.02.2022. The minutes circulated vide NMCG, O.M. Dt.18.02.2022 is to be complied before the next meeting. The SPCB is submitting the MPR on monthly basis in the prescribed proforma and the last report up to February, 2021 has been furnished to NMCG.

The O.A. No.173/2018 (Sudarshan Das Vrs. State of W.B. & Ors.) and OA 360/ 2015 (NGT Bar Association Vrs. Virender Singh (State of Gujarat) relates to checking of illegal sand mining activities of Subarnarekha River and separate meeting is being held under the Chairmanship of Chief Secretary and steps are being taken by FE & CC and R & DM Dept. The matter is also to be reviewed on 21.04.2022.

The matter of Plastic Waste Management on elimination of Single Use Plastic (SUP) is also being monitored in the Special Task Force meeting constituted for the State and the 2nd State Level Meeting was held on 05.04.2022 under the Chairmanship of Chief Secretary. The minute is awaited. As per the MoEF & CC Gazette amendment dt. 12.08.2021, SPCB has issued order for public notification on 19.02.2022 in order to not to use prohibited items with effect from 01.07.2022 including issuance of direction to all Collectors and District Magistrates under Section 5 of EP Act, 1986 to take action on elimination of SUP, levy of environmental compensation on the violators and take action as deemed proper.

The Director, Environment-cum-Special Secretary brought to the kind notice of members that as per Rule 22 of SWM Rule, 2016 the time frame for compliance by ULBs and other authorities concerned is already over and the progress is to be submitted before Hon'ble NGT with information to achieve the gap. The progress report for the period January-March, 2022 is to be submitted to CPCB in specified proforma wherein the informations pertaining Bio-Methanation Plant, Refused Derived Fuel (RDF) and Waste to Energy (WTE) are to be provided as nil as there is no such Plant existing in the State. Information relating to legacy waste and bio-mining generated from ULBs are to be furnished

Thereafter, the compliance to the minutes of 5th EMC meeting held on Dt.18.01.2022 was discussed and further progress made till now to achieve the gap and the decisions taken thereof are presented as detailed below;

Sl. No.	Decisions of the 5th meeting of EMC held on 18.01.2022	Compliances discussed	Progress made so far and the decisions taken

1(a)	**O.A. No. 606/ 2018** Solid Waste Management • H&UD Dept. • PR&DW Dept. • SPCB i. It was decided to implement solid waste management for all categories of the areas in the State i.e. big cities, town and villages (ULBs and Census Towns of Urban Agglomerations). ii. It was also decided for bioremediation of legacy waste from municipal solid waste to be started in next 7 days and agreement is to be signed in this regard. Further, survey will be conducted for 9 Amrut cities and tendering process shall be initiated and finalized. The process of bioremediation of legacy waste will start before the next date of personal	1. No. and area (in Acres) of Garbage Dumpsites and Sanitary Landfills: a. Garbage dumpsites – 76 (371 Acres) b. Sanitary Landfills – Nil (i) All 2035 wards of all the 114 ULBs are having door to door collection and are also practicing source segregation. (ii) Steps have been taken for finalization of RfP for Bio-Mining of legacy waste in AMRUT cities CMC, BeMC, SMC, Bhadrak, Balasore & Puri via Management Contract. For BMC Work Order has been issued for initiating the process of bio-mining and that for RMC is under process. Steps have also been taken for finalisation of RfP for selection of agencies for conducting geotechnical investigations and drone survey in legacy waste dumpsites located in CMC, BeMC, SMC, Bhadrak, Balasore & Puri via management contract. (iii) Total: **203 MRFs** have been made functional. In the 5th meeting of State Level Advisory Committee (SLAC) for PWM held on 29.03.2022, matter	The quantity of solid waste generated is 2248 TPD from 114 ULBs are collected, segregated, treated and disposed. With regard to the management made by the State is to be presented during the personal appearance on dt. 21.04.2022. It was directed by the Chief Secretary to make a presentation before the Hon'ble NGT on the date of personal appearance dt. 21.04.2022 regarding the waste management and gap addressing the time period on compliance. The H & UD Department to present the details of Solid waste management, collection, segregation, treatment, disposal including status of MCC and MRF and timeline to achieve the gap the exact date on compliance is to be furnished. The Additional Secretary, H & UD Dept. intimated that 100 % management is to be achieved by June 2022. Chairman directed to intimate the timeline of compliance to FE & CC Dept. As far as the legacy waste is concerned the total waste to be

	appearance of Chief Secretary as per the information provided by Director, Municipal Administration up to December 2021, 220 nos. Of MCC have been completed and made functional including 183 MRFs. The matter relating to tagging of plastic waste generated with the cement plant is to be taken up by H&UD Dept. iii. The gap existing on SWM and time line to comply the same is to be furnished by H & UD Dept.	relating to tagging of plastic waste generated with the Cement plant has been discussed. **(A) Total MCC**: a. Proposed- 278 Nos. with treatment capacity 1296 TPD b. Functional- 239 Nos. with treatment capacity 1122.5 TPD c. Under Construction- 39 Nos. with treatment capacity 173.5 TPD (B) **Total MRF** a. Proposed- 219 Nos. with capacity 2250 TPD b. Functional- 203 Nos. with capacity 2090 TPD c. Under Construction- 16 Nos. with capacity 160 TPD N.B: (a)= (b) + (c) Number of drains falling into river:	processed through bio mining is to be furnished. The H & UD Department has floated tender for bio-mining in selected ULBs for treatment of legacy waste. The matter of Plastic Waste Management collection segregation and recycling is to be monitored by HUD Dept., PR & DW Dept. and SPCB and decisions taken in the meeting held on 05.04.2022 under the Chairmanship of Chief Secretary Follow up action to be taken by all concerned. The status of MCC and MRF to be furnished by H & UD Dept. and time line to achieve the gap on 100 % utilisation. The Chairman desired that the model cities and villages to be identified for proper management of solid waste and to be completed for collection segregation, recycling etc. As per the declaring model cities and towns 3 Nos. are to be covered from each district and thus 90 Nos. are to be covered as per Hon'ble NGT direction. The installation of screens in the drains falling into river is to be monitored periodically.

		a. Drains reaching river system – 225 Nos. b. Drains having floating racks / screens installed – 225 Nos.	The WR Dept. to take action.
1(b)	PR & DW Department Tagging of all GPs with ULBs for collection of Plastic wastes for handing over to MRF 1. Director, Panchayati Raj & DW Dept. has intimated that guidelines for sending the plastic waste to the collection centres of ULB has been finalized. The door to door collection of solid waste including plastic waste is being carried out by SHGs. 2. It was decided that the target for collection of 30% of waste from GP is fixed for March, 2022 and rest 30% is to be targeted by 2023.	• Status on solid waste management including plastic waste management remain same as per the compliance to 5 th meeting. • Targets to be achieved in all villages by March, 2024. • Till date, more than 10,789 (23%) villages have initiated SWM activities in the state at the community level, and 3701 (7.9%) villages have been saturated with SWM including arrangements for bio-degradable and plastic waste management. • A target of 60% of the villages for solid waste management including plastic waste is to be achieved during FY 2022-23.	The matter of Plastic Waste Management and its effective implementation is to be tagged with the H & UD Dept. for 100 percent collection, segregation and recycling. The status on generation and utilisation in Cement plants is to be quantified. In Panchayat area, for handing over the plastic waste to ULBs, arrangement has been made and budget allocation provision is there. It was decided for 100 % linkage with ULBs by the GPs and Chairman directed to ask the BDOs to maintain record on quantity of plastic waste approximate quantity generated and recycled. The PR & DW Department to issue instruction. Steps to be taken by the PR & DW Dept. to achieve the target of 100 % by the year 2022-23.

2(a)	O.A. No. 710-713/ 2017 & O.A. No. 72/ 2020 Biomedical & COVID-19 Waste Management MS, SPCB intimated that there is total 6 Nos. of CBWTF that are operating in the State out of which 3 are located in Govt. Medical Colleges and Hospitals and rest 3 are private operators. Grant of EC for one unit is under consideration which is located at Bolangir for which consent to establish has been granted by SPCB and public hearing has been completed. For the northern region districts for Balasore and Mayurbhanj one CTE application has been received but the same unit has not applied for grant of EC. For one unit to be located at Dhenkanal the existing CBWTF operated by M/s Sani Clean has raised objection with respect to distance criteria of 75 km as per Rule 7 (3) of BMW Rules, 2016. For one CBWTF to be considered at Jeypore, the land where it is to	The status of authorization is placed as on 31.03.2022 Total HCFs – 3905 Nos. Bedded – 1587 Non-bedded – 2318 Authorization granted:- 3747 Nos. Bedded – 1429 Non-bedded – 2318 **Under process – 103 Nos.** Authorization not applied – 53 Nos. Authorization refused – 2 Nos. Show cause notice issued (SCN) – 46 Nos.	The compliance on authorisation status is reviewed for HCFs and veterinary hospitals of the State. The applications for authorisation pending with SPCB for grant/ refusal to be disposed of immediately. There are 6 Nos. of CBMW in the State, out of which 3 Nos. are located at Govt. Medical College Hospitals (SCB MCH, VIMSAR and MKCG MCH) and rest three are private units. All are having valid authorisation. The State should have adequate CBWTFs. The deep burial mode of treatment is to be minimised. As far as establishment of new CBWTF facility at Bolangir, the public hearing process is over after getting EC it is to be made functional. For Dhenkanal one party is interested to establish CBWTF but M/s. Saniclean who is having CBWTF at Khurda for Bhubaneswar area has raised objection on maintaining distance criteria of 75 Km. The distance criteria need to be revised by MoEF & CC. For Mayurbhanj and Balsore similar problem arises on

	be proposed is allocated for hazardous waste storage, therefore, necessary clarification from SPCB is submitted to IDCO for further compliance.		distance criteria for establishment on new CBWTF. The Chairman directed that the area allocated for Hazardous Waste by IDCO can be converted to CBWTF establishment. Emphasis was made for complete treatment of BMW generated through establishment of adequate CBWTFs. Further adequate steps to be taken for treatment COVID-19 waste generated till the end of pandemic. The bar code during transportation of BMW waste is to be adhered. Action to be taken by: • H & FW Dept. • H & UD Dept. • SPCB
2 (b)	Installation of OCEMS for the emission monitoring system in CBWTF. 1. As far as installation of OCEMS in CBWTF, one is having the facility connected with CPCB server and rest two located at	OCEMS installed at CBWTF, Khurda with analysis of parameters CO, CO_2, and Temperature connected to SPCB server. Two CBWTF located at Amsarang and Shergarh has been installed OCEMS and connected with SPCB server. Three Govt. Medical Colleges and Hospitals (VIMSAR, MKCG & SCB)	The parameters to be analysed and monitored on compliance status and data is transferred to server of SPCB from the CBWTFs, which ultimately connected to CPCB server. All are operating. It was pointed out here that temperature is an important parameter for treatment of BMW, as pointed out that it

	Amsarang at Sundargarh and Seragarh at Ganjam to be connected shortly. The OCEMS in three Medical Colleges, two are installed and for Berhampur Medical College, it is in the process. 2. The Chief Secretary directed to make all the CBWTF functional by March, 2022 and all units to obtain authorization from SPCB.	have installed OCEMS connected to SPCB server as intimated by SPCB. All **CBWTF are having valid authorization**.	should not be burnt below specific temperature. Proper monitoring to be done by SPCB. Action to be taken by: • SPCB
2 (c)	Compliance status of authorization of Veterinary hospitals & installation of Incinerators: • F & ARD Dept. The Secretary, F & ARD Dept. intimated that the 58 Nos. of Veterinary Hospitals located at Divisional and Sub-Divisional level has been covered under authorization administration and 48 nos. of incinerators	At present, 58 Nos. of Veterinary hospitals have been granted authorization by SPCB. All Veterinary hospitals have been supplied with colour coded collection bins and bio degradable waste collection bags for segregation of waste generated. Auto claves 58 nos. have been supplied and 56 nos. of Veterinary hospitals are installed with incinerators.	All the 58 Nos. of Veterinary hospitals are having valid authorisation. It was decided to go for treatment facilities at District and Sub Divisional level. The dispensaries and LI centres are not covered and will go for decentralised treatment facility. All 58 Nos. are having Autoclaves and 56 Nos. of Incinerators have installed. For two Nos. Incinerators the electrical connection is to be completed.

	are installed in the hospitals. Autoclaves are also supplied. Further, there are about 500 dispensaries located all over the State and it will be difficult for covering all of them under authorization administration. It was decided to cover all the 58 Nos. of Veterinary Hospitals for BMW management and the progress was found to be satisfactory.	All CDVO has been instructed to engage agency authorized and approved by SPCB have been CBWTF for disposal of Bio medical waste generated from Veterinary hospitals.	Further MoU has been done for treatment of BMW generated from Veterinary hospitals with the nearby CBWTFs. About 20 hospitals have completed the signing of MoUs. Further follow up action to be taken. Action to be taken by: • F & ARD Dept. • SPCB
2 (d)	Functional status of ETP & STP in hospitals. It was decided that all districts and sub-divisional Hospitals will be covered by establishing the STPs and ETPs. Works Dept. has been assigned for construction of STP and ETP for the Government Hospitals. For approval of expenditure, Finance Dept. is to be moved for concurrence and Works Dept. is to take up the construction work at the earliest.	A proposal of Rs. 305 Crore has been submitted to Government for establishment for STP & ETP in all DHH and SDH in a phased manner. The matter was discussed on 14.12.2021 under the Chairmanship of Special Secretary to Govt., Finance Department and it was decided that no requirement of for establishment of STP in hospitals. ETP to be installed in Hospital campuses of DHH, SDH & MCH and treated effluent can be used for tree plantation purpose. The existing STP in hospitals is to be upgraded. H & FW Dept. & H & UD Dept. may elaborate on	As per decision STP and ETP to be installed for the treatment sewage and waste water generated from hospitals. It was earlier decided to establish the STP through Works Dept. Chairman desired to know whether the budget provision is allocated not with detailed estimate. The preparation DPR from H & FW Dept. is to be obtained. If budget provision is there it is to be implemented soon and Works department to be assigned for this work. The representative from Works Dept. to attend the EMC meeting. Matter to be expedited.

		this matter.	Action to be taken: • H & FW Dept. • H & UD Dept. • Works Dept. • SPCB
2 (e)	**O.A. No. 181/2021:** Bio-Medical Waste Management • H & FW Dept. • SPCB As directed by Hon'ble NGT in their Order Dt.07.02.2022, State Level Committee was constituted under the Chairmanship of ACS, Health & Family Welfare Dept. vide Order No. 5422 Dt.15.03.2022 & for District Level vide Order No. 5427 Dt.15.03.2022.	The 1st State Level Committee meeting was held on Dt. 25.03.2022 under the Chairmanship of the ACS, H&FW Dept. and the minutes was communicated to the Member Secretary, SPCB vide Letter No.7530 Dt.05.04.2022. The compliances to be made by the Departments and SPCB to take follow up action. This matter on BMW management is also similar to the directions passed in OA No. 710-713/ 2017, thus it may be dealt combinedly.	In this matter, the decisions taken in the meeting under the Chairmanship of ACS, H & FW Department is to be enforced and compliance to be submitted before Hon'ble NGT as per the minute of H & FW Dept. The Dist. Level meeting to be conducted and SPCB to take follow up action at Regional Officers level. The authorisation application of all HCFs to be disposed of by SPCB. For defaulting units actions to be taken. Action to be taken by: • H & FW Dept. • SPCB
3 (a)	**O.A. No. 593/2017 & O.A. No. 673/2018:** (ETP, STP, FSTP and use of treated water) Matter on 351 Polluted River Stretches (**PRS**) in the	The total water supply in all 114 ULBs in the State of Odisha is about **1100 MLD**. Assuming 80% of it to be generated sewage quantity, the total quantity of expected sewage generation from urban areas of the State of	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 water quality is good. It was

	Country out of which **19 PRS** identified for state of Odisha on Sewage management and improvement of River water quality. 1. SPCB has moved CPCB for deletion of 12 PRS out of 19 PRS identified. As per the decision of CMC meeting, the Hon'ble NGT is to be moved for this matter and 2 years water quality data to be submitted to CPCB by SPCB as decided in the CMC meeting. 2. The Director, Municipal Administration intimated that the quantity of sewage generated as per the discussion being made in the CMC meeting is being worked out and will be intimated shortly. The progress on completion on STP and FSTP is being reported in the MPR and has been submitted up to December, 2021.	Odisha is about **880 MLD** . Considering that the 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) plus another town, Talcher. The total quantity of sewage generation in these six ULBs is **302.01 MLD** against which, **13 STPs** are at various stages of operation with a total treatment capacity of **370.50 MLD**. This would lead to a surplus capacity of 68.49 MLD. Out of this, **11 Sewage Treatment Plants (STPs) are currently operational with installed capacity of 282.50 MLD and with actual utilization capacity of 106.70 MLD**. Further, construction of **two STPs of total capacity 88 MLD is under progress**. The SeTPs as an alternative to sewage treatment plant have been established in several cities are supplementary treatment facilities to treat the waste from peri-urban and rural areas surrounding the cities.	requested to CMC to exclude the 12 Nos. of PRS and to modify the PRS from 19 to 7. In this regard, CMC has intimated to approach Hon'ble NGT with last two years water quality data for obtaining directions. The decisions taken in the CMC meeting including latest meeting held on 04.02.2022 is to be complied as far as the quantity of generation of sewage is concerned. Earlier it was maintained in record as 1273 MLD. In this regard, H & UD Dept. was requested to quantify the sewage generated in the ULB areas. Accordingly, H & UD Dept. has quantified as 880 MLD. The capacity utilization is less as pointed out in the CMC meeting. The total capacity sewage to be treated in STPs will be 302 MLD in 13 Nos. for six cities. Rest to be covered through SeTP. The EIC, OWSSB, has clarified that 11 Nos. of STPs are functional and two STPs, one located at Rokat, Bhubaneswar and other one located at Sambalpur will be made functional by June 2022.

	3. The detailed data on sewage treatment and gap is to be furnished with timeline for bridging the gap	For the rest of the 108 ULBs, the state has embarked on decentralized non sewered approach of treating black water and grey water separately. The approach was divided into two phases. The first phase focused on achieving complete black water security through Faecal Septage Management. The total Septage generation in non-sewered cities in urban Odisha is estimated to be **1425 KLD**. Accordingly, the Government of Odisha has decided to set up 118 Septage Treatment Plants (SeTPs) in 114 ULBs, out of which 100 SeTPs with total installed capacity of 1747 KLD have been made functional so far and the rest 18 SeTPs with installed capacity 290 KLD are under construction and are targeted for completion by 30.06.2022. The difference between sewage generation as discussed in CMC meeting is quantified as 880 MLD against 1273 MLD. The quantity of sewage generation for the rural area to be discussed.	The Chairman observed that out of 880 MLD, at present 106 MLD is being treated, which is about 15 % utlisation. The Chairman desired to know about the time line for completion of 100 % treatment. The reason for non-compliance is due to incomplete connection of house hold lines with the main sewerage line. The connection is to be completed by September 2022 as stated by EIC, OWSSB. The Chairman directed the H & UD Dept. to intimate the gap on sewage treatment to be complied by September 2022 is to be submitted to FE & CC Dept. Through alternate method by SeTP installation, 100 Nos. are complete and rest 18 (10 to be complete by May 2022 and rest 8 by July 2022) are to be completed for treatment of 1425 KLD, whereas capacity is created for 1747 KLD as per H & UD Dept. The monitoring of STPs to be done. The quantification of generation of sewage from rural area could not be ascertained.

			Action to be taken by: • H & UD Dept. • WR Dept. • SPCB
4.	**O.A. No. 325/2015:** • WR Dept. • SPCB Identification, Geo-tagging, Restoration and Rejuvenation of Water bodies (Ponds/ lakes/ wetlands) Preparation of action plans for restoration and rejuvenation of prioritised water bodies.	There are 55 Nos. of water bodies identified for rejuvenation purpose out of which DoWR has 14 Nos. (1 major, 3 medium & 10 minor), FE & CC Dept. has 3 Nos. and other Departments have 38 Nos. The action plans furnished by the WR Dept. for 7 Nos. (1 medium & 6 minor). The restoration work is to be done and the estimated cost for 6 Nos. of action plan submitted by the 7 authorities amounts to Rs.1790.55 lakhs. Restoration work includes de-silting and de-weeding, water quality analysis and monitoring of coastal erosion. A meeting is scheduled today at 4 PM as moved by SPCB for review under the chairmanship of Chief Secretary for the area more than 5 Ha. SPCB to intimate the decisions taken in the meeting.	SPCB is monitoring water quality of ponds and submitted to WR Dept. WR Dept. is the Nodal Dept. in this matter to submit the compliance. This matter is also being reviewed by CMC meeting by NMCG and there is difference in inventorisation of ponds as per NWIC data which is 90851 as against 11 Nos. identified. The figure needs re-concillation. A meeting is scheduled today at 4 P.M. under the Chief Secretary and inventorisation more than 5 Ha. is to be done and budget provision is to be made. The number of water bodies is coming about 906 Nos. which needs to be monitored. The action plan is to be prepared. Action to be taken by: • WR Dept. • SPCB
5.	O. A. No. 804/2017:	As intimated by SPCB,	The Hazardous Waste Management is almost

	Hazardous Waste Management. There are fifteen (15) Nos. of common & captive TSDFs but two are not operating & audit is not required for one site as it is under remediation programme, i.e. Grasim Industries Limited, rest 12 TSDFs have already been audited and report to be sent to CPCB. The progress of sending of report to CPCB may be intimated.	compliance has been sent to CPCB. The MPR from January, 2022 to March, 2022 is to be submitted in prescribed proforma 12 TSDFs (Common TSDF – 1 No., Captive TSDFs – 11 Nos.) have been audited and the audit report has already been sent to CPCB by SPCB on 06-11-2021. IDCO has been earmarking industrial space @ 1% of gross area in the Industrial Estates, Industrial Parks and special economic zones. Labour & ESI Department has identified the workers involved in recycling, pre-processing and other utilizing activities of Hazardous and Other Wastes. Workers involved: 493 Nos. Workers imparted safety training and health check-up conducted: 468 Nos.	complied. The MPR up to March 2022 has been sent to CPCB by SPCB. The TSDFs have been audited and report already sent to CPCB. The industry generating hazardous wastes should have valid authorisation and in case of violation action to be taken by SPCB. The Labour & ESI Dept. has intimated about the workers engaged on handling of hazardous waste and registration is made for 493 workers and health check up camps are also being organised. Action to be taken by: • IDCO • Labour & ESI Dept. • SPCB
6.	**O.A. No. 360/2018** Preparation of District Environment Plan (DEP) and State Env. Plan (SEP).	Revised DEPs received from districts is to be validated and the same is to be uploaded in the website. SPCB has been requested to take action.	The State Env. Plan (SEP) has already been prepared and submitted earlier to CPCB For improvement and up-dating data of each dist. the information has

	The improved DEPs will be uploaded in the website by 30.11.2021, as directed by the Hon'ble NGT		been received in prescribed proforma received from CPCB and the data to be validated. All the information has been received The DFOs, Angul, Sambalpur and Phulbani to submit the information. FE & CC Dept. has requested to finalise the Dist. Env. Plan and action is being taken by SPCB through an outsourced agency for finalisation. The Chairman directed to upload the maximum Nos. of Dist. Env. Plan to be completed, out of 30 districts before the date of personal appearance of Chief Secretary. Action to be taken: • FE & CC • Health & FW • SPCB
7.	**O.A. No. 681/2018:** National Clean Air Programme (NCAP) matter relating to seven (7) non-attainment cities (NACs) i.e. (Bhubaneswar, Cuttack, Angul, Talcher, Balasore, Rourkela, and Kalinga Nagar) of Odisha.	The district level monitoring committee has been reconstituted on Dt. 25.03.2022. The district level meeting under Chairmanship of Collectors (Commissioner, BMC for Bhubaneswar city only) is to be convened on monthly basis and report to be submitted by SPCB.	The Dist. Level Task Force committee monthly meeting to be convened. Regional Officers of SPCB are the Member Convener of the committee to take action. The Dist. Collectors are the Chairman of the committee except Bhubaneswar, where Commissioner, BMC is

	1. Member Secretary, SPCB will facilitate & ensure city level implementation committee meetings are held regularly. H&UD Department also issue advisory to the concerned commissioners and the EOs.	The decisions taken in the AQMC meeting (4 meetings already held) and State level steering committee meeting (2 Meetings held) is to be implemented. The State Action Plan is to be prepared and submitted. The matter on reduction on particulate matter concentration as proposed under NCAP to be discussed. Action taken for control of noise pollution during festive occasions and restriction on bursting of fire crackers to be discussed.	the Chairman. There are 4 Nos. of AQMC review meeting already conducted under the Chairpersonship of ACS, FE & CC and 2 Nos. of State Level Steering Committee review meeting under the Chairmanship of Chief Secretary on the NCAP. MoEF & CC has intimated to submit State Action Plan and information in prescribed proforma. SPCB to submit State action plan by **30.04.2022** to the FE & CC Dept. The noise pollution and pollution due to bursting of fire crackers are also complied. For the control of noise pollution due to use of loud speaker equipment"s like DJ, the DG Police and Commissioners of Police has to take action for the control of noise pollution. The green firecrackers to be used till the end of COVID-19 Pandemic
	2. H&UD Dept. to identify the important ULBs having significant dust pollution and to arrange water sprinkling prior to road cleaning	The Principal Secretary, H&UD Dept. was requested on 04.03.2022 to direct all the ULBs to submit the report. The H & UD Dept. instructed on 17.03.2022 to all ULBs to submit the report. But till date 24 nos. of ULB (only one Municipal Corporation) submitted	There is a direction of Hon'ble NGT for use of treated water of STP during road sweeping for suppression of fugitive dusts generated so that here will be no

	for dust suppression purpose, treated effluent from STP is to be used. Director, Municipal Administration to take up the issue with all ULBs for necessary compliance at the earliest.	and rest not furnished which is non-compliance to the direction Dt. 03.12.2020 of NGT in the matter of O.A. No. 283/2020.	air pollution. In this regard as per the instruction of H & UD Dept. to all ULBs, 24 Nos. have intimated about the action taken for use of treated water for road dust suppression. The Chairman directed to obtain the information from rest ULBs and to comply the direction immediately. The matter to be placed before AQMC. Action to be taken: • H & UD Dept./ DMA • SPCB • DG Police (for control of Noise Pollution)
8(a)	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 areas Director, Municipal Administration 1. Initiatives will be taken by the H&UD Dept. to get the proposals. 2. OFDC is to take	H&UD Dept. has intimated that under the Chairmanship of DC-cum-ACS in the meeting held on 16.08.2021 decided for road side plantation whereas area as available and also grass turfing in the available places to reduce generation of dusts. OFDC may be requested to take action.	It was decided to make greenery in available blank patches in the ULBs and OFDC has been requested to take action. The vacant spaces are to be identified in all the ULBs. H & UD Department to take follow of action. OFDC to intimate about the ULB wise expenditure. Action to be taken by: • H & UD Dept.,

	up this on a Deposit Work basis, with an objective to reduce dust pollution in Urban areas.		• OFDC
8(b)	EA No. 13/2019 in O.A. No. 247/ 2017 Plastic Waste Management	The matter on implementation of PWMR, 2016 and action to be taken for elimination of single use plastic (SUP) was discussed on 05.04.2022 in the 2nd State Level Task Force meeting held under the Chairmanship of Chief Secretary. Minutes awaited. Decision has been taken for preparation of State Action Plan and submission to MoEF by 30.04.2022 in the National Task Force Committee Meeting. SPCB to submit MPR for the period January, 2022 to March, 2022 in prescribed proforma.	The 2nd State Level Task Force meeting was convened on 05.04.2022 regarding compliances made on prohibition of single use plastic (SUP). SPCB has already communicated to the Collectors about the direction of CPCB on elimination of SUP. It was decided that quantification of Plastic Waste collected is to be done and the penalty collected, quantity seized is to be furnished. The minute is under approval stage. The penalty imposed and quantity seized is to be included in the presentation to be made before Hon'ble NGT. The awareness programme to be conducted by CES in association with SPCB. Action to be taken by FE & CC Dept. to issue direction to all Collectors on implementation of the prohibition on SUP and also regarding implementation on

			thickness criteria (75 micron prohibited from 30.09.2021 and 120 micron to be prohibited from 31.12.2022) and use of non-woven carry bags which shall not be less than 60 Grams per Square Meter (GSM). Action to be taken by: • FE & CC Dept. • H & UD Dept., • PR & DW, • CES • SPCB
8(c)	E-Waste Management	a. H & UD Department has issued modalities on 08.06.2021 on handling of e-waste for different stake holders which was communicated with all ULBs. b. All the ULBs are intimated on 20.07.2021 to collect e-waste on a fixed day of every week, preferably on Saturday & to enter the data on waste collected on AMA SAHARA app. c. A public notice is issued for door to door collection of e-waste to Swachha Supervisors, / Swachha Sathis of	H & UD Dept. has issued circular for collection of E waste in every Saturday. They are also monitoring in "Ama Sahara" programme. Chairman desired that the quantity which is collected is to be recorded from the ULBs. The photographs during collection may be included in the presentation. There are 11 Nos. of dismantlers registered by SPCB and the collection centres are there. The inventorisation and monitoring to be done.

		the ULBs. The E-waste should not be mixed with other domestic waste and it should be kept isolated throughout the week. The ULBs shall store in a isolated place in the MRF Centre with a signage of "E-WASTE CORNER". The notice was published in "The New India Express" dt.21.09.2021 and Dharitri 21.09.2021	
		As per the information received from SPCB authorisation to 11 Dismantler-cum-Collection Centre has been granted by the State Pollution Control Board and 25 captive collection Centre under EPR authorisation granted by CPCB are functioning in the State.	Action to be taken by: • H & UD Dept. • SPCB

The Director- Env.- Cum Special Secretary requested to all Departments to nominate one Nodal Officer with contact Nos. and email address and to intimate Director, Env.- Cum- Special Secretary, FE & CC Dept. for smooth co-ordination among Departments. From the FE & CC Dept. the Senior Scientists to coordinate the matter with other Depts.

Concluding remarks: The Chairman desired that the ACS, H & FW Dept., ACS, FE & CC, Principal Secretary, H & UD Dept., Principal Secretary PR & DW Dept. may remain present on the date of appearance before Hon'ble NGT and prior to that presentation will be made ready and submitted before the Chief Secretary. It is also intimated that there will be discussions in the meeting on Solid Waste Management in Villages, Bio mining of Legacy Waste, River Water Pollution particularly Mahanadi and other rivers etc. as it has been emphasized during the Hon'ble NGT Chairperson visit to SPCB. During the presentation photographs will be placed with point wise information.

The Principal Secretary, PR & DW Dept. also intimated that status will be submitted and Director and Additional Secretary from the Dept. will remain present and submit the photographs. As per the direction of Chief Secretary, ground water recharge done in rural areas is to be included and Principal Secretary, PR & DW Dept. intimated to obtain information from MGNREGA website and also intimated that State of Odisha has adopted SeTP for treatment of sewage is accepted as a model method for the whole country. The representative photographs of SeTP and how it is managed for treatment is to be included. As decided the villages covered in whole of the State and time line to achieve the gap is to be addressed with vehicles purchased, used for waste collection purpose with involvement of SHGs, Women and Transgenders. The Additional Secretary, H & UD Dept. intimated that in "Mo Khata" for use as manure they have made an income of about Rs. 2.58 Crore. This also creates employment generation for women"s relating to waste management. The ground water recharge in rural area is done from the excess water discharged from bore well through soak pit is to be included. The action taken by CES for conducting the awareness camps involving Eco Clubs are to be included in the presentation regarding Plastic Waste Management on elimination of SUP.

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

22/4/2022

(Shri Suresh Chandra Mohapatra, IAS)

Chief Secretary, Odisha

Annexure-3

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 Convenor to communicate the copy of minutes among other members for necessary compliance.

Yours faithfully,

Encl: As above

Director, Env.-cum- 27/09
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- 27/09
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 3rd 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 Bijipur) (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.

	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 S tate 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, DOWR, 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 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 o 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 20th 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.		

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 floocplains/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

	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 Sluicegate.	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 Sluicegate 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

Annexure- 4

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

Polluted River stretch : May, 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	6.9	<0.3	9.0	>160000	>160000	350	NC
	Palasuni	6.7	<0.3	11.0	>160000	>160000	280	NC
	Samantarapur	7.1	<0.3	16.0	>160000	>160000	240	NC
	Vadimula	7.2	1.7	8.0	>160000	>160000	280	NC
2. Daya River (Bhubaneswar to Bargarh (Priority-IV)	Bhubaneswar D/s at Kanti	7.2	5.2	5.6	>160000	92000	170	NC
	Bhubaneswar FD/s at Manitri	7.3	4.8	3.2	>160000	54000	130	NC
	Daya at Kanas	6.7	5.8	2.3	3500	2400	13	C
3. Kuakhai River (Urali to Bhubaneswar) (Priority-IV)	Bhubaneswar FU/s	7.1	7.4	1.2	490	170	14	C
	Bhubaneswar U/s	7.1	7.2	1.6	3500	2400	22	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

NA : Not analysed NR : Not Reported

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

Station Name	Month	pH	BOD, mg/L	Nitrate-mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL
Khandagiri Area	April, 2022	5.7	< 1.0	5.038	<1.8	<1.8
Old town-Samantarapur Area	April, 2022	6.9	< 1.0	7.938	<1.8	<1.8
Kalpana-Laxmisagar Area,	April, 2022	5.3	< 1.0	5.758	<1.8	<1.8
Chandrasekharpur	April, 2022	5.5	1.1	5.229	350	79
Capital Hospital Area,	April, 2022	6.6	< 1.0	15.083	<1.8	<1.8
Secretariate-Govenor House-Old bus stand Area	April, 2022	6.5	< 1.0	6.478	49	22
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	-	45	Absent	Absent

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

Drain Water quality of Bhubaneswar city falling on Gangua nallah (During May, 2022)

Sl. No.	Drain Name	**BOD (mg/L)**	**FC (MPN/ 100 mL)**
1	Drain No. 1A at Patia (Near Sree Leather)	75.0	> 1,60,000
2	Drain No. 1 (after Confluence of Drain 1 and 1A) at Patia near Club Town	88.0	> 1,60,000
3	Drain No 1 (after confluence of Drain 1, 1A, 1B and 1C) at Kalikhamar railway bridge	39.0	> 1,60,000
4	Drain No. 3 (after confluence of Drain No. 2) at Sameigadia	23.0	> 1,60,000
5	Drain No. 4 at Chakeisiani Canal Road	88.0	> 1,60,000
6	Drain No. 5 at Laxmi Vihar Phase-II	100.0	> 1,60,000
7	Drain No. 6 at Badagada	115.0	> 1,60,000
8	Drain No. 7 near Mahabir Road Culvert, Samantarapur	53.0	> 1,60,000
9	Drain No. 8 (after confluence of Drain No. 8A) at Gandamunda	58.0	> 1,60,000
10	Drain No. 9 at Ghatikia (Near DFO Office)	85.0	> 1,60,000
11	Drain No. 9 (after confluence of drain No. 8) at Botanda	16.0	> 1,60,000
12	Drain No 10 at Jharapada	90.0	> 1,60,000
13	Drain No. 11 near Kuha	7.4	24 ,000

Polluted River stretch : May, 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	8.5	7.8	4.2	14000	7900	17	NC
	Cuttack FD/s at Mattagajpur	8.2	7.4	1.8	7900	3300	11	NC
5. Serua River (Khandaeta to Sankhatrasa) (Priority-V)	Cuttack FD/s at Sankhatrasa	8.0	7.6	3.6	13000	4900	14	NC
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

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

Stn Name	Month	pH	BOD, mg/L	Nitrate-mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL
Jagatpur	April, 2022	6.8	< 1.0	19.475	<1.8	<1.8
Mangalabag	April, 2022	7.1	< 1.0	7.240	<1.8	<1.8
Madhupatna-Kalyan Nagar Area	April, 2022	6.6	< 1.0	3.038	<1.8	<1.8
Badambadi Area	April, 2022	7.1	< 1.0	10.478	<1.8	<1.8
Bidanasi-Tulsipur Area,	April, 2022	6.9	< 1.0	2.625	<1.8	<1.8
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	-	45	Absent	Absent

NA : Not analysed Ground water is monitored only during April and October of each year

Characteristic of Drains falling on Kathajodi river (May, 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	7.8	6.9	28.0	14.0	14000	4900
2	Wastewater discharge to Kathajodi river at CDA-Bidanasi area	7.3	4.4	20.0	11.0	11000	4900
3	Wastewater discharge to Kathajodi river at Khan nagar	7.2	75.0	174.0	144.0	>1,60,000	>1,60,000

Polluted River stretch : May, 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)	6.9	6.7	7.0	54000	11000	33	NC
7. Brahmani (Rourkela to Biritola) **(Priority-V)**	Panposh D/s at Deogaon	6.8	7.1	4.8	54000	11000	17	NC
	Rourkela D/s at Jalda	6.8	5.5	4.0	24000	7900	8	NC
	Rourkela FD/s at Attaghat	6.7	5.2	1.7	790	170	<1.8	C
	Rourkela FFD/s at Biritola	6.9	8.6	1.8	330	78	<1.8	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

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

Polluted River stretch : May, 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	7.6	7.2	1.6	330	78	<1.8	C
9. Banguru nallah Along Talcher **(Priority-V)**	Along Talcher	7.3	5.2	1.7	490	170	8	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

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

Stn Name	Month	pH	BOD, mg/L	Nitrate-mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL
Talcher Town	April, 2022	Sample not collected				
Meramundali area	April, 2022	7.2	1.1	5.772	1300	130
Talcher Thermal area	April, 2022	7.2	1.1	1.116	<1.8	<1.8
Banarpal	April, 2022	6.8	1.1	26.648	22	22
Kulad	April, 2022	8	1.1	1.862	<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 : May, 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	8.1	6.8	1.9	2400	490	5	C
	Sambalpur FD/s at Shankarmath	7.6	6.4	1.4	2200	210	4	C
	Sambalpur FFD/s at Huma	7.9	7.0	1.3	330	130	<1.8	C
	Sonepur U/s	8.1	7.2	1.2	170	20	<1.8	C
	Sonepur D/s	8.0	6.8	1.6	330	78	<1.8	C
	Tikarpada	6.6	6.6	1.2	45	<1.8	<1.8	C
	Narasinghpur	6.6	8.0	1.2	2400	340	8	C
	Munduli	8.4	8.8	1.3	2200	270	5	C
	Cuttack U/s	8.4	8.6	1.2	330	45	<1.8	C
	Cuttack D/s	8.1	8.4	1.8	1100	330	8	C
	Cuttack FD/s	8.4	8.6	1.6	790	170	5	C
	Paradeep U/s	7.4	7.6	1.2	<1.8	<1.8	<1.8	C
	Paradeep D/s	8.3	5.6	1.6	<1.8	<1.8	<1.8	C
11. Bheden Along Bheden **(Priority-V)**	Jharsuguda	8.2	8.2	1.2	230	45	<1.8	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

Water quality of Tributaries of Mahanadi River (May, 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	6.5	7.2	1.3	1300	490	NA	C
	Jharsuguda	7.8	8.0	1.8	700	330	NA	C
	Brajrajnagar U/S	7.9	8.4	1.4	940	490	NA	C
	Brajrajnagar D/S	8.1	7.6	1.8	1300	490	NA	C
Ong River	Dharuakhaman	8.2	6.4	1.2	130	20	NA	C
Tel River	Monmunda	8.2	6.8	1.4	220	45	NA	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

Ground Water quality

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	May, 2022	7.1	0.5	2.825	<1.8	<1.8
Near Railway station	May, 2022	7.1	0.8	34.503	<1.8	<1.8
Near VSS Medical College, Burla	May, 2022	7.1	0.8	6.182	<1.8	<1.8
Sonepur town Along Mahanadi River						
Near District Head Quarter Hospital, Sonepur	May, 2022	7.4	0.9	23.817	<1.8	<1.8
Near Gundicha temple of Tentelghat, Sonepur	May, 2022	7.4	0.5	9.420	<1.8	<1.8
Paradeep town Along Mahanadi River						
Badapadia market complex	April, 2022	8.1	1.1	19.131	<1.8	<1.8
Musadiha	April, 2022	7.9	1.5	21.512	<1.8	<1.8
Jharsuguda town in the catchment of Bheden river and Ib river						
Burkhamunda	April, 2022	7.3	< 1.0	22.822	<1.8	<1.8
Badamal Industrial Estate	April, 2022	6.8	1.2	20.764	<1.8	<1.8
Budhipadar	April, 2022	6.5	1.5	29.913	<1.8	<1.8
Brajarajnagar Mining belt	April, 2022	6.0	1.4	2.962	<1.8	<1.8
Rampur area (Water tank)	April, 2022	6.6	< 1.0	0.491	<1.8	<1.8
Ib thermal power station	April, 2022	6.1	< 1.0	0.386	<1.8	<1.8
Belpahar area	April, 2022	6.6	< 1.0	0.085	<1.8	<1.8
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	-	45	Absent	Absent

NA : Not analysed Ground water is monitored only during April/ May and October of each year

Polluted River stretch : May, 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	6.7	7.5	2.6	2400	790	13	C
13. Nuna (Along Bijipur, Puri) **(Priority-V)**	Nuna at Bijipur	6.6	6.7	1.3	3500	1300	8	C
14. Ratnachira (Along Sakhigopal, Puri) **(Priority-V)**	Kumardihi	7.2	7.9	1.5	2400	490	8	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

Ground Water quality of Puri town along Mangala river

Stn Name	Month	pH	BOD, mg/L	Nitrate-mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL
Hospital-Bus stand-Mausima temple area	April, 2022	8.3	1.2	25.424	240	79
Near Jagannath Temple,	April, 2022	7.7	2.4	3.535	<1.8	<1.8
Near Sea Beach	April, 2022	7.9	1.6	8.278	<1.8	<1.8
Baliapanda	April, 2022	8.4	1.1	2.235	<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 (May, 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)	7.5	21.0	55.0	16.0	>1,60,000	92,000

Polluted River stretch : May, 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)	**Jayakaypur D/s**	**7.1**	**6.8**	1.7	**3500**	**1300**	**5**	**Satisfactory**
	Rayagada D/s	**7.1**	**7.2**	1.5	**2400**	**1300**	**5**	**Satisfactory**

Ground Water quality of Rayagada Puri town along Nagavali river

Stn Name	Month	pH	BOD, mg/L	Nitrate-mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL
Kasturinagar, Rayagada	April, 2022	6.7	1.1	40.048	240	<1.8
Within the premises of Badelapulama Temple, Rayagada	April, 2022	6.6	1.1	33.307	130	<1.8
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	-	45	Absent	Absent

NA : Not analysed Ground water is monitored only during April and October of each year

Polluted River stretch : May, 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	8.4	6.8	1.8	2800	2200	11	Satisfactory
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

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

Polluted River stretch : May, 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	7.8	7.4	1.4	3500	1400	13	**C**
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

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

Polluted River stretch : May, 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	8.0	7.2	1.9	3500	790	5	C
	Potagarh	8.1	6.9	1.5	3500	1300	13	C
19. Sabulia Along Jagannathpatna, Rambha **(Priority-V)**	Jagannathpatna, Rambha	7.8	7.1	1.2	3500	2200	14	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

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

Stn Name	Month	pH	BOD, mg/L	Nitrate-mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL
Near MKCG Medical College	April, 2022	7.5	1.4	20.057	<1.8	<1.8
Bus stand	April, 2022	7.7	1.8	19.846	<1.8	<1.8
Badabazar	April, 2022	7.5	< 1.0	2.805	<1.8	<1.8
Railway station	April, 2022	7.4	< 1.0	20.269	<1.8	<1.8
Drinking water Specification (IS : 10500:2012) Desirable limit		6.5-8.5	-	45	Absent	Absent

NA : Not analysed Ground water is monitored only during April and October of each year

Annexure- 5 (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 May) (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 (5.7)	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)	Clean (2.8)	**Clean (Improved)**
6	Nagavali (Jaykaypur to Rayagada)	Priority-V (3.5)	Clean (2.8)	Clean (2.2)	Clean (2.1)	Clean (2.1)	Clean (2.2)	**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 (3.6)	**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 (1.6)	**Clean (Improved)**
11	Kuakhai (Along Bhubaneswar)	Priority-IV (7.7)	Clean (1.6)	Clean (1.9)	Clean (1.8)	Clean (1.6)	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 (2.0)	**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 (1.7)	**Clean (Improved)**
15	Bheden (Along Bheden)	Priority-V (3.6)	Clean (2.8)	Clean (2.0)	Clean (1.8)	Clean (1.5)	Clean (1.4)	**Clean (Improved)**
16	Kusumi (Along Talcher)	Priority-V (3.2)	Clean (1.7)	Clean (2.6)	Clean (2.0)	Clean (2.0)	Clean (1.4)	**Clean (Improved)**
17	Nuna (Along Bijipur)	Priority-V (3.1)	Clean (2.7)	Clean (2.5)	Clean (1.8)	Clean (1.6)	Clean (2.2)	**Clean (Improved)**
18	Sabulia (Jagannathpatna, Rambha)	Priority-V (5.0)	Clean (2.4)	Clean (2.2)	Clean (1.9)	Clean (2.0)	Clean (1.6)	**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)**

Annexure- 5 (b)

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 May, 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**	**4**
		8 (Clean)	**12 (Clean)**	**12 (Clean)**	**12 (Clean)**	**13 (Clean)**
Total :	**19**	**19**	**19**	**19**	**19**	**19**

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

Annexure- 5 (c)

Water quality of Rivers in Odisha during May, 2022

Total River water quality Monitoring Station : 129

No. of stations monitored : 129

No. of stations conforming to Bathing Water quality : 116

(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	6.5	7.2	1.3	1300	490	NA	C
	2	Jharsuguda	7.8	8.0	1.8	700	330	NA	C
	3	Brajrajnagar U/S	7.9	8.4	1.4	940	490	NA	C
	4	Brajrajnagar D/S	8.1	7.6	1.8	1300	490	NA	C
Bheden	5	Jharsuguda	8.2	8.2	1.2	230	45	<1.8	C
Hirakud Reservoir	6	Hirakud	6.8	7.2	1.1	790	230	NA	C
Mahanadi	7	Sambalpur U/S	7.4	7.0	1.3	1300	330	NA	C
	8	Sambalpur D/S	8.1	6.8	1.9	2400	490	5	C
	9	Sambalpur FD/S at Shankarmath	7.6	6.4	1.4	2200	210	4	C
	10	Sambalpur FD/S at Huma	7.9	7.0	1.3	330	130	<1.8	C
	11	Power Channel U/S	7.1	6.8	1.3	78	<1.8	NA	C
	12	Power Channel D/S	7.2	6.8	1.7	490	78	NA	C
	13	Sonepur U/S	8.1	7.2	1.2	170	20	<1.8	C
	14	Sonepur D/S	8	6.8	1.6	330	78	<1.8	C
	15	Tikarpada	6.6	6.6	1.2	45	<1.8	<1.8	C
	16	Narasinghpur	6.6	8.0	1.2	2400	340	8	C
	17	Munduli	8.4	8.8	1.3	2200	270	5	C
	18	Cuttack U/s	8.4	8.6	1.2	330	45	<1.8	C
	19	Cuttack D/s	8.1	8.4	1.8	1100	330	8	C
	20	Cuttack FD/s	8.4	8.6	1.6	790	170	5	C
	21	Paradeep U/S	7.4	7.6	1.2	<1.8	<1.8	<1.8	C
	22	Paradeep D/S	8.3	5.6	1.6	<1.8	<1.8	<1.8	C
Ong	23	Dharuakhaman	8.2	6.4	1.2	130	20	NA	C
Tel	24	Monmunda	8.2	6.8	1.4	220	45	NA	C
Kathajodi	25	Cuttack U/s	8.4	8.0	1.4	230	45	<1.8	C
	26	Cuttack D/s	8.5	7.8	4.2	14000	7900	17	NC
	27	Cuttack FD/s at Mattagajpur	8.2	7.4	1.8	7900	3300	11	NC
	28	Cuttack FFD/s at Kamasasan	7.9	7.6	1.5	330	78	NA	**C**

Name of River	Sl. No.	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C)/ Non-Conforming (NC)
Serua	29	Cuttack FD/s at Sankhatrasa	8.0	7.6	3.6	13000	4900	14	NC
Kuakhai	30	Bhubaneswar FU/s	7.1	7.4	1.2	490	170	14	C
	31	Bhubaneswar U/s	7.1	7.2	1.6	3500	2400	22	C
Daya	32	Gelapur	7.6	9.6	1.3	3500	1300	11	C
	33	Bhubaneswar D/s	7.2	5.2	5.6	>160000	92000	170	NC
	34	BhubaneswarFD/s	7.3	4.8	3.2	>160000	54000	130	NC
	35	Kanas	6.7	5.8	2.3	3500	2400	13	C
Birupa	36	Choudwar	7.9	8.0	1.3	3500	2400	NA	C
Gangua nallah	37	Rajdhani Engineering College	6.9	<0.3	9.0	>160000	>160000	350	NC
	38	Palasuni	6.7	<0.3	11.0	>160000	>160000	280	NC
	39	Samantarapur	7.1	<0.3	16.0	>160000	>160000	240	NC
	40	Vadimula	7.2	1.7	8.0	>160000	>160000	280	NC
Kushabhadra	41	Bhingarpur	7.1	9.4	1.3	4900	2300	NA	C
	42	Nimapara	7.2	9.1	1.7	35000	24000	NA	NC
	43	Gop	6.9	8.8	1.9	4900	2300	NA	C
Gobari	44	Kendrapada U/s	8.1	5.0	1.3	790	130	NA	C
	45	Kendrapada D/s	7.8	4.6	1.6	2400	230	NA	C
Mangala	46	Mangala U/s at Malatipatpur	6.6	6.2	2.2	790	330	NA	C
	47	Mangala D/s at Golasahi	6.7	7.5	2.6	2400	790	13	C
Bhargavi	48	Chandanpur	7.4	9.2	1.1	1700	700	NA	C
Devi	49	Machhagaon	7.7	7.0	1.4	110	45	NA	C
Luna	50	Luna at Bijipur	6.6	6.7	1.3	3500	1300	8	C
Sabulia	51	Rambha, Jagatnnathpatna	7.8	7.1	1.2	3500	2200	14	C
Kusumi	52	Tangi	7.8	7.4	1.4	3500	1400	13	C
Kansari	53	Banapur	7.5	5.2	1.9	2400	490	NA	C
Badasankha	54	Langalaeswar	7.7	6.0	2.1	790	230	NA	C
Ratnachira	55	Kumardihi	7.2	7.9	1.5	2400	490	8	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)			**6.5-8.5**	**5.0**	**3.0**	**-**	**500 (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	7.1	8.0	1.2	1700	330	NA	C
	2	Panposh D/S	6.8	7.1	4.8	54000	11000	17	NC
	3	Rourkela D/S at Jalda	6.8	5.5	4.0	24000	7900	8	NC
	4	Rourkela FD/s at Attaghat	6.7	5.2	1.7	790	170	<1.8	C
	5	Rourkela FFD/s at Biritola	6.9	8.6	1.8	330	78	<1.8	C
	6	Bonaigarh	7.1	7.1	1.5	170	78	NA	C
	7	Rengali	6.8	6.6	1.9	20	20	NA	C
	8	Samal	6.9	6.4	1.2	1300	490	NA	C
	9	Talcher FU/S	7.1	7	1.2	490	78	NA	C
	10	Talcher U/s	7.2	7.2	1.5	1300	230	NA	C
	11	Mandapal	7.2	7.2	1.9	4900	2200	23	C
	12	Talcher D/S	7.2	6.6	2.0	1700	490	NA	C
	13	Talcher FD/S	7.2	7.0	1.8	790	330	NA	C
	14	Dhenkanal U/s	7.2	6.8	1.5	220	78	NA	C
	15	Dhenkanal D/s	7.2	7.0	2.1	1100	170	NA	C
	16	Bhuban	7.2	7.4	2.4	220	78	NA	C
	17	Kabatabandha	7.1	7.4	1.6	490	170	NA	C
	18	Dharmasala U/s	7.2	7.2	1.2	790	220	NA	C
	19	Dharmasala D/s	7.4	7.1	1.9	1300	330	NA	C
	20	Pottamundai	8.3	7.2	1.6	78	45	NA	C
Kharasrota	21	Khanditara	7.5	7.6	1.1	330	68	NA	C
	22	Binjharpur	7.7	7.6	1.3	330	78	NA	C
	23	Ali	8.3	7.6	1.5	230	45	NA	C
Nandira jhor	24	Nandira U/s	7.4	4.4	1.1	230	78	NA	C
	25	Nandira D/s	7.6	7.2	1.6	330	78	<1.8	C
Kisindajhor	26	Kisindajhor	7.5	9	1.4	330	45	NA	C
Sankh	27	Sankh U/s	6.6	9.4	1.9	790	490	NA	C
Koel	28	Koel U/s	6.8	8.6	1.1	490	110	NA	C
Guradih nallah	28	Rourkela (before confluence with Brahmani river)	6.9	6.7	7.0	54000	11000	33	NC
Badajhor	30	Badajhor	7.6	5.8	1.2	1400	330	NA	C
Damsala	31	Dayanabil	7.5	7.4	1.1	2400	790	NA	C
Gondanallah	32	Marthapur	7.5	7.2	1.6	490	140	NA	C
Karo	33	Barbil	6.6	6.7	1.5	2400	1300	NA	C
Lingra	34	Lingira U/s	8.1	8.0	1.2	330	170	NA	C
	35	Lingira D/s	8.4	8.0	1.9	3500	330	NA	C

Name of River	Sl. No.	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C)/ Non-Conforming (NC)
Ramiala	36	Kamakhyanagar	7.5	4.0	1.2	490	130	NA	C
Bangurunallah	37	Bangurunallah	7.3	5.2	1.7	490	170	8	C
Singadajhor	38	Singadajhor	7.5	4.6	1.3	2400	790	NA	C
Tikira	39	Kaniha U/s	7.4	7.6	1.1	1700	220	NA	C
	40	Kaniha D/s	7.8	9.0	1.8	3500	330	NA	C
Bangurusingadajhor	41	Bangurusingadajhor	7.3	2.4	1.7	330	78	NA	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)			**6.5-8.5**	**5.0**	**3.0**	**-**	**500 (D) 2500 (P)**	**100 (D) 500 (P)**	**-**

(C) Baitarani River system

Name of River	Sl. No.	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C)/ Non-Conforming (NC)
Kundra nallah	1	Joda	7.2	5.9	1.3	2200	790	NA	C
Kusei	2	Deogaon	8.5	9.3	1.7	3500	2400	NA	C
Baitarani	3	Naigarh	6.8	7.0	1.8	330	78	NA	C
	4	Unchabali	7.1	6.1	1.3	330	78	NA	C
	5	Champua	7.2	6.9	1.7	490	330	NA	C
	6	Tribindha	7.4	7.1	1.7	1300	790	NA	C
	7	Joda	7.6	6.5	1.2	330	110	NA	C
	8	Anandpur	7.5	9.1	1.4	3500	1100	NA	C
	9	Jajpur	7.6	7.0	1.9	3500	260	NA	C
	10	Chandbali U/s	7.2	6.0	1.3	1300	330	NA	C
	11	Chandbali D/s	7.7	5.6	1.6	2400	490	NA	C
Dhamra	12	Dhamra	7.3	6.4	1.3	480	260	NA	C
Salandi	13	Bhadrak U/s	8.4	5.2	1.4	1300	490	NA	C
	14	Bhadrak D/s	8.0	5.6	1.9	2200	790	NA	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)			**6.5-8.5**	**5.0**	**3.0**	**-**	**500 (D) 2500 (P)**	**100 (D) 500 (P)**	**-**

NA : Not analysed

D : Desirable P : Permissible

(D) Rushikulya River system

Name of River	Sl. No.	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C)/ Non-Conforming (NC)
Russelkunda Reservoir	1	Russelkunda Reservoir	7.1	6.5	1.8	3500	790	NA	C
Badanadi	2	Aska	8.0	6.5	1.6	790	330	NA	C
Rushikulya	3	Aska	7.9	6.6	1.4	2200	490	NA	C
	4	Nalabanta	8.1	7.0	1.6	790	170	NA	C
	5	Madhopur	8.0	7.2	1.9	3500	790	5	C
	6	Potagarh	8.1	6.9	1.5	3500	1300	13	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)			**6.5-8.5**	**5.0**	**3.0**	**-**	**500 (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	7.8	1.2	3500	1300	NA	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)			**6.5-8.5**	**5.0**	**3.0**	**-**	**500 (D) 2500 (P)**	**100 (D) 500 (P)**	**-**

(F) Budhabalanga River system

Name of River	Sl. No.	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C)/ Non-Conforming (NC)
Budhabalanga	1	Baripada D/s	8.4	6.8	1.8	2800	2200	11	C
	2	Balasore U/s	8.5	6.8	1.3	2200	1300	NA	C
	3	Balasore D/s	8.5	7.2	2.2	3500	1700	NA	C
	4	Hatiagond (Sona)	8.3	7.2	1.4	1100	490	NA	C
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)			**6.5-8.5**	**5.0**	**3.0**	**-**	**500 (D) 2500 (P)**	**100 (D) 500 (P)**	**-**

NA : Not analysed D : Desirable P : Permissible

(G) Bahuda River system

Name of River	Sl. No.	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C)/ Non-Conforming (NC)
Bahuda	1	Damodarpally	8.5	6.5	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**	**3.0**	**-**	**500 (D) 2500 (P)**	**100 (D) 500 (P)**	**-**

(H) Nagavali River system

Name of River	Sl. No.	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C)/ Non-Conforming (NC)
Nagavali	1	Penta U/s	7.2	7.1	1.1	790	220	NA	C
	2	Jayjkaypur D/s	7.1	6.8	1.7	3500	1300	5	C
	3	Rayagada D/s	7.1	7.2	1.5	2400	1300	5	C

(I) Vansadhara River system

Name of River	Sl. No.	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C)/ Non-Conforming (NC)
Vansadhara	1	Muniguda	7.2	7.1	1.2	230	78	NA	C
	2	Gunupur	7.5	6.9	1.2	480	220	NA	C

NA. : Not analysed

D : Desirable P : Permissible

(J) Kolab River system

Name of River	Sl. No.	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C)/ Non-Conforming (NC)
Kerandi	1	Sunabeda	7.1	6.9	1.8	1300	790	NA	C

(K) Indravati River system

Name of River	Sl. No.	Name of Monitoring Station	pH	DO, mg/L	BOD, mg/L	TC, MPN/ 100 mL	FC, MPN/ 100 mL	FS, MPN/ 100 mL	Water Quality Status (Conforming (C)/ Non-Conforming (NC)
Indravati	1	Nawarangpur	7.7	7.3	1.3	170	78	NA	C

Annexure-6

OFFICE OF THE ENGINEER-IN-CHIEF, WATER RESOURCES, ODISHA,

SECHA SADAN, BHUBANESWAR -751001

No.BP&CC-GL-102(1)/2020 15709 /WE (OR) Date 23.06.2022

From

Er. D.D.R.R. Pattanaik
Chief Engineer, HH,GIS & CEM
Sechasadan, Bhubaneswar

To

The Special Secretary to Government,
DoWR, Odisha, Bhubaneswar

Sub:- Monthly Progress Report on NGT- OA No.606/2018 for the month of May - 2022

Sir,

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

Yours faithfully,

Encl : As above .

23.6.22
Chief Engineer, HH,GIS & CEM

Memo No. 15710 /(OR) Date 23.06.2022

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

Encl: As above

23.6.22
Chief Engineer, HH,GIS & CEM

Memo No. 15711 /(OR) Date 23.06.2022

Copy submitted to the Member Secretary, State Pollution Control Board, Odisha, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhuabaneswar for information and necessary action

Encl: As above

23.6.22
Chief Engineer, HH,GIS & CEM

Monthly Progress Report on Hon'ble NGT O.A. NO.606/2018 for the month of May-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-I), a proposal for construction of a cross regulator at the off taking point of Gangua Nalla has been approved in 128th TAC of DOWR to divert the flood discharge of Chandaka Catchment to Kuakhia river (Approximately 30% of flood water) through Budhi Nalla in order to save the urban flooding of storm water in Bhubaneswar city. This is one of the flood plain zone protection works in Gangua Nalla being 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 - Yes

Rain water harvesting.

Rooftop Rainwater Harvesting Structures (RRHS)

	Govt	Private	
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 (up to 05/2022)	Nil	Nil	

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 – 240 nos
		Completed up to 05/2022 -158 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 03/2021,	15833 nos.(completed)
	up to 03/2022,	15867 nos.(completed)
	up to 05/2022	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.

22.06.22

Chief Engineer,
IL,II, GIS & CEM
23/6/22

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

No.HH,GIS&CEM-GEN-132/22 Date: 15507/@R 21.06.2022

From

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

To

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

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

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

Madam,

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 May-2022 for favour of kind information and necessary action.

The statement towards release of water to Gangua Nallah through Palasuni escape at RD 12.640 km of Daya West Branch canal during May, 2022 is enclosed herewith at Annexure-I for kind perusal.

Encl: As above.

Yours faithfully,

21.6.2022

Chief Engineer, HH, GIS & CEM

Memo No. 15508 /@R Date 21.06.2022

Copy 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.

21.6.2022

Chief Engineer, HH, GIS & CEM

Memo No. 15509 /@R Date 21.06.2022

Copy 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.

21.6.2022

Chief Engineer, HH, GIS & CEM

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 -May, 2022					
1. Name of the Polluted River Stretch :- Gangua Nalla (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	Nil	
		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	40 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	
XVII	Demarcation of Flood Plain & removal of illegal encroachments:	Proposal for construction of a cross regulator at the off taking point of Gangua Nalla to divert the entire flood discharge of Chandaka catchment to Kuakhia river through Budhi Nalla in high flood situation. When encroachment are noticed, Revenue Authorities are moved to make the land free from encroachment to maintain the natural flow in the drain.			128th TAC of DoWR has approved the construction of cross regulator.

Annexure-7

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.	Maximum 25.00 cusec of water was released to Gangua Nalla from Daya West Branch Canal on dt. 20.05.2022, 21.05.2022, 22.05.2022 & 23.05.2022 in the month of May 2022.		
XIX	Plantation activities along the river	4900 seeding has been sown along the drainage canals by Khordha Drainage Division during monsoon of 2018.	During Monsoon 2018.	1979 nos. of plants are alive.	
		Green belts will be created on the identified vacant areas/flood plains on the bank of the river stretches with the help of F&E Deptt.			
XX	Development of bio-diversity park	Development of bio-diversity parks will be taken up with the help of Forest &Env. Deptt.			

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 -May, 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	Nil	
		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	40 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	
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	11865 seeding has been sown along the canal colony office premises by Prachi Division during Monsoon-2018.	During Monsoon 2018.		By Prachi Division, Bhubaneswar
		Green belts will be created on the identified vacant areas/flood plains on the bank of the river stretches with the help of F&E Deptt.			
XX	Development of bio-diversity park	Development of bio-diversity parks will be taken up with the help of Forest &Env. Deptt.			

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 -May, 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	742 nos. upto March, 2020	In Sundargarh Dist.
			2020-21	Nil	
			2021-22	Nil	
			2022-23	Nil	
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 sapling and seeding has been sown along the drainage canals by Sundargarh Irr. Division & 17944 nos. of sapling and seedinghave 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.
		Green belts will be created on the identified vacant areas/flood plains on the bank of the river stretches with the help of F&E Deptt.			
XX	Development of bio-diversity park	Development of bio-diversity parks will be taken up with the help of Forest &Env. Deptt.			

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 -May, 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	742 nos. upto March, 2020	In Sundargarh Dist.
			2020-21	Nil	
			2021-22	Nil	
			2022-23	Nil	
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 sapling and seeding has been sown along the drainage canals by Sundargarh Irr. Division & 17944 nos. of sapling and seedinghave 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.
		Green belts will be created on the identified vacant areas/flood plains on the bank of the river stretches with the help of F&E Deptt.			
XX	Development of bio-diversity park	Development of bio-diversity parks will be taken up with the help of Forest &Env. Deptt.			

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 -May, 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	Nil	
		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	20 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	
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 sapling has been sown along the canal colony, office premises by Puri Irr. Division during monsoon of 2018.	During Monsoon 2018.		By Puri Irr. Division, Puri
		Green belts will be created on the identified vacant areas/flood plains on the bank of the river stretches with the help of F&E Deptt.			
XX	Development of bio-diversity park	Development of bio-diversity parks will be taken up with the help of Forest &Env. Deptt.			

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 -May, 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:				
		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	

XVI	Rainwater harvesting	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	
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 nos of sapling has been sown in Rayagada Dist. by Rayagada Minor Irrigation Division during monsoon of 2018.	During Monsoon 2018.		By Rayagada Minor Irrigation Divn.
		Green belts will be created on the identified vacant areas/flood plains on the bank of the river stretches with the help of F&E Deptt.			
XX	Development of bio-diversity park	Development of bio-diversity parks will be taken up with the help of Forest &Env. Deptt.			

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 -May, 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	
XVII	Demarcation of Flood Plain & removal of illegal encroachments:	All the flood plain zones are adequately protected and effectively managed every year. When encroachment are noticed, Revenue Authorities are moved to make the land free from encroachment to maintain the natural flow in the drain.			
XVIII	Maintaining minimum e-flows of river	e-flow maintained. Integrated watershed management programme is executed through out the state by Odisha Watershed Development Mission.	During lean period from Nov to May.	Maintained	

XIX	Plantation activities along the river	3250 nos of sapling has been sown along the canal colony, office premises by Mahanadi South Division-I & 10610 nos of sapling has been sown 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.
		Green belts will be created on the identified vacant areas/flood plains on the bank of the river stretches with the help of F&E Deptt.			
XX	Development of bio-diversity park	Development of bio-diversity parks will be taken up with the help of Forest &Env. Deptt.			

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 -May, 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	
XVII	Demarcation of Flood Plain & removal of illegal encroachments:	All the flood plain zones are adequately protected and effectively managed every year. When encroachment are noticed, Revenue Authorities are moved to make the land free from encroachment to maintain the natural flow in the drain.			
XVIII	Maintaining minimum e-flows of river	e-flow maintained. Integrated watershed management programme is executed through out the state by Odisha Watershed Development Mission.	During lean period from Nov to May.	Maintained	

XIX	Plantation activities along the river	3250 nos of sapling has been sown along the canal colony, office premises by Mahanadi South Division-I & 4260 nos of sapling & seeding have been sown 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.
		Green belts will be created on the identified vacant areas/flood plains on the bank of the river stretches with the help of F&E Deptt.			
XX	Development of bio-diversity park	Development of bio-diversity parks will be taken up with the help of Forest &Env. Deptt.			

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 -May, 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 Sakhigopal 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	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	Nil	
		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	20 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	
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 sapling has been sown along the canal colony, office premises by Puri Irr. Division during monsoon of 2018.	During Monsoon 2018.		By Puri Irr. Division, Puri
		Green belts will be created on the identified vacant areas/flood plains on the bank of the river stretches with the help of F&E Deptt.			
XX	Development of bio-diversity park	Development of bio-diversity parks will be taken up with the help of Forest &Env. Deptt.			

Boetroy
20.06.22
A.D.D.

Hanraik
20.06.2022
A.D.

21.6.2022
Chief Engineer,
HH,GIS & CEM

Annexure-I

May-2022

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

DATE	DISCHARGE IN CUSECS
08.05.2022	8
09.05.2022	11
10.05.2022	6
11.05.2022	8
12.05.2022	8
13.05.2022	8
14.05.2022	20
15.05.2022	20
16.05.2022	20
17.05.2022	20
18.05.2022	20
19.05.2022	20
20.05.2022	25
21.05.2022	25
22.05.2022	25
23.05.2022	25
24.05.2022	15
25.05.2022	21
26.05.2022	22
27.05.2022	22
28.05.2022	22
29.05.2022	15
30.05.2022	13
31.05.2022	10

Collected from Irr. Divn.
Jharnail
03.06.2022
A.D.

Asst. Executive Engineer
BBSR Irr. Sub-Division
Bhubaneswar

Annexure-8

Orissa Water Supply & Sewerage Board

(A Govt. of Odisha Undertaking)

Satyanagar, Bhubaneswar–751007 Phone: (0674)2571185

Email eicowssb@gmail.com

No. 1795 (WE) /dt. 31-05-2022
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 May,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 May, 2022 are furnished herewith for information & necessary action.

Yours faithfully,

Encl.: As above.

31/5/22
Engineer-in-Chief

Memo No. 1796 (WE) /dt. 31-05-2022

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

Encl.: As above.

31/5/22
Engineer-in-Chief

Memo No. 1797 (WE) /dt. 31-05-2022

Copy with copy of enclosures forwarded Engineer-in-Chief, OISIP, JICA, Cuttack/ Chief Engineer, Septage, OWSSB, Bhubaneswar/ Chief Engineer, OWSSB, Sambalpur/ M.D, WATCO, Bhubaneswar for information and necessary action.

Encl.: As above.

31/5/22
Engineer-in-Chief

OA Nos.593,606 & 673 forw.lett

INFORMATION ON STATUS OF STPs (OPERATIONAL & UNDER CONSTRUCTION)

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°	June,2022 (To be commissioned)	Under Construction by OISIP, JICA	48	ASP
		1	Meherpalli	20.26° 85.86°	Partly commissioned during Dec.-2020 (To be commissioned during Feb-2022)	Operational by WATCO	56	SBR
		1	Basuaghai	20.233° 85.85°	Partly commissioned during Dec.-2020 (To be commissioned during Feb-2022)	Operational by WATCO	28	SBR
		1	Kochilaput	20.21° 85.80°	Partly commissioned during Dec.-2020 (To be commissioned during Aug-2022)	Operational by WATCO	43.5	SBR
		1	Paikarapur	20.26° 85.75°	Partly commissioned during Dec.-2020 (To be commissioned during June-2022)	Operational by WATCO	8	SBR
2	Cuttack	1	Matgajpur	20.43° 85.93°	Ccommissioned since 01.03.2022	Operational by OISIP, JICA	16	ASP
		1	CDA	20.46° 85.85°	Dec.-2018	Operational by OISIP, JICA	36	ASP
		1	Matgajpur	20.43° 85.93°	June-2006	Operational O&M by WATCO	33	Waste Stabilization Pond
3	Puri	1	Mangalaghat	19.81° 85.79°	June-2013	Operational O&M by WATCO	15	Aerated Lagoon
		1	Bankimuhan	19.79° 85.83°	Feb.,1995	Operational O&M by WATCO	5	Waste Stabilization Pond
4	Sambalpur	1	Dhanupalli	21.43° 83.98°	To be partly commissioned froom 15.04.2022	Under trial run by OWSSB	40	SBR
5	Rourkela	1	Balughat	22.21° 84.80°	Partly commissioned during Dec.-2020 (To be commissioned during June-2022)	Operational O&M by OWSSB	40	SBR
6	Talcher	1	Mandapal	20.95° 85.24°	Feb.,2018	Operational O&M by PHEO	2	Waste Stabilization Pond
	Total capacity	**13**				**Operational- 11 nos. Under progress- 2 nos.**	**370.50**	

FORMAT FOR STP UTILISATION

OA No. 593/2017 of Hon'ble NGT
FORMAT FOR SEWAGE MANAGEMENT IN ODISHA

(As on May- 2022)

Sl.	Action Point	A	B	C= B-A	D
		Existing Status	**Desired/ Projected**	**Gap**	**Timeline**
1.	Estimated Sewage Generation (In MLD)	Bhubaneswar : 29.75	114.97	85.22	Rokat – March-2023 Others – Sept.-2022
		Cuttack : 53.62	82.54	28.92	March.-2023
		Sambalpur : -	43.51	43.51	March.-2023
		Rourkela : 2.60	35.65	33.05	March.-2023
		Puri : 20	20.05	0.05	
		Talcher : 2	5.29	3.29	June-2022
		Total : 107.97	**302.01**	**194.04**	
2.	Treatment Capacity (In MLD)				
a.	STP	Bhubaneswar : 135.50	183.50	48	Aug.-2022
		Cuttack : 85	85		-
		Sambalpur : -	40	40	June-2022
		Rourkela : 40	40	-	-
		Puri : 20	20	-	-
		Talcher : 2	2	-	-
		Total : 282.50	**370.50**	**88**	
b.	Septage	**1797 KLD (1.797 MLD)**	**2037 KLD**	**240 KLD**	**2022-23**
3.	Status of Sewerage System (in KM)	Bhubaneswar : 986.662	1031.97	45.308	Sept.-2022
		Cuttack : 412.04	450.20	38.16	Sept.-2022
		Sambalpur : 95.16	260.02	164.86	Sept.-2022
		Rourkela : 174.70	191.90	17.20	June-2022
		Puri : 128.00	128.00	-	-
		Total: 1796.562 km	**2062.09 km**	**265.528km**	
4.	No. of STP	Bhubaneswar : 4	5	1	June-2022
		Cuttack : 3	3	-	
		Sambalpur : -	1	1	June-2022
		Rourkela : 1	1	-	
		Puri : 2	2	-	-
		Talcher : 1	1	-	-
		Total : 11	**13**	**2**	-
5.	Has bulk users identified for reuse of treated water such as Industrial Clusters, Metro Rail, India Railways, Infrastructure Projects, Agriculture, Bus Depots and PWD? (Y/N)	Consultation process is underway with respective ULBs, local industries, Govt. & Pvt. Institutions for identifying the bulk users of water & the quantity of water demand by these users. After completion of the above process, revised action plan will be submitted for utilization of treated waste water presently generated from the functioning of STPs as well as from future STPs.			
6.	Quantity of treated wastewater being used by Bulk User (in MLD)				
	Industrial Clusters	-	-	-	-
	Metro Rail	-	-	-	-
	Indian Railways	-	-	-	-
	Infrastructure Projects	-	-	-	-
	Agriculture	-	-	-	-
	Other (If any specify)	-	-	-	-
	PWD	-	-	-	-
7.	No. of water Aquatic sources (Lakes, ponds etc.) being developed through treated waste water.	-	-	-	-

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(W) /dt. 22.07.2020
W-18/2015 (2)

ES(URP)
N. Mallick 27/7

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

Sub: Compliance of ordr 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 21/7/20

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 21/7/20

Memo No. 3300 /OWSSB Date. 22.07.2020

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

Member Secretary 21/7/20

Annexure-10

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 May, 2022)

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	Cuttack				
1	CDA-Bidanasi area	36 MLD	20.51 MLD	O & M by OISIP, JICA, Cuttack	Running Smoothly
2	Mattagajpur	33 MLD	33 MLD	O & M by WATCO	Running Smoothly
3.	Mattagajpur	16 MLD	0.11 MLD	Commissioned since 01.3.2022 House sewer connection is under progress.	Sewer network : Sept. 2022. House Sewer connection-2023
	Total	**85 MLD**	**53.62 MLD**		

Treated wastewater quality of 36 MLD STP at CDA-Bidanasi area being discharged to Kathajodi river through Peta nallah during the year 2021 (January-December) and 2022 (January-May) 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	
2021 (January-December)								
Minimum	6.7	2.2	10.8	11	1.12	0.215	1.8	36
Maximum	7.4	4.5	30	16	6.72	1.09	3300	790
Average	7.1	3.5	18.3	12.6	2.24	0.708	624	242
2022								
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
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 during the month May, 2022 being discharged to Kathajodi river through a drain 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	
May, 2022	7.4	1.2	12.0	12.0	1.68	0.910	<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 (May, 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	7.8	6.9	28.0	14.0	14000	4900
2	Wastewater discharge to Kathajodi river at CDA-Bidanasi area	7.3	4.4	20.0	11.0	11000	4900
3	Wastewater discharge to Kathajodi river at Khan nagar	7.2	75.0	174.0	144.0	>1,60,000	>1,60,000

Wastewater quality discharge through Khan nagar sluice gate to Kathajodi river during 2021 and 2022 are as follows

Data Period	**pH**	**BOD, mg/L**	**COD, mg/L**	**TSS, mg/L**	**TC, MPN/100 ml**	**FC, MPN/ 100 ml**
2021 (January-December)						
Minimum	6.8	8	30	13	54000	24000
Maximum	7.6	95	177	72	>160000	>160000
Average	7.1	51	115	41	151166	148667
2022						
January,22	6.9	55	138.9	55	>160000	>160000
Februay'22	7.1	86.7	184.2	78	>160000	>160000
March'22	7.3	85	190	75	>160000	>160000
April'22	7.2	78	174	142	>160000	>160000
May'22	7.2	75.0	174.0	144.0	>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.

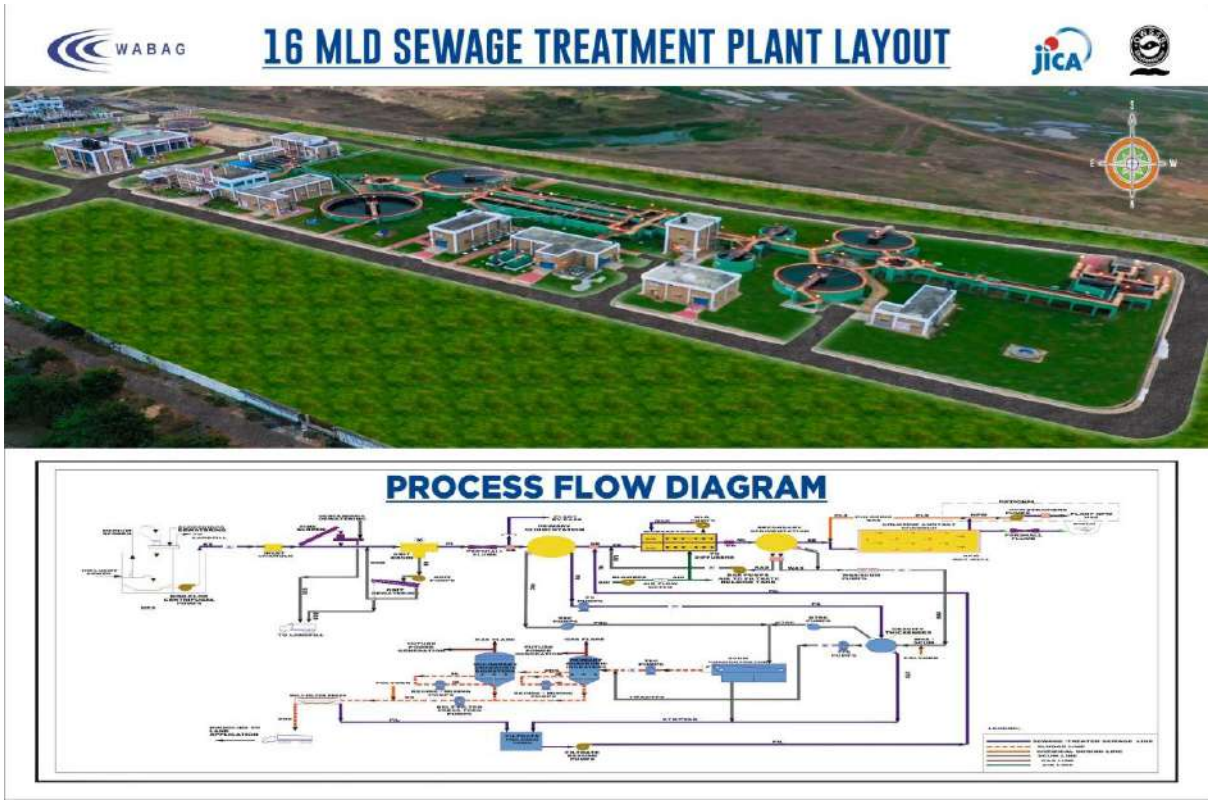
Besides these, a Septage Treatment Plant of 60 KLD capacity has been commissioned at Mattagajpur and operating since January, 2020.

Water quality of the Kathajodi river and Serua river (which is a distributary of Kathajodi river) during May, 2022 is given below.

Polluted River stretch : May, 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	8.5	7.8	4.2	14000	7900	17	NC
	Cuttack FD/s at Mattagajpur	8.2	7.4	1.8	7900	3300	11	NC
2.Serua River (Khandaeta to Sankhatrasa) (Priority-V)	Cuttack FD/s at Sankhatrasa	8.0	7.6	3.6	13000	4900	14	NC
Bathing Water Quality (MOEF Notification G.S.R. No. 742(E) Dt. 25.09.2000)		6.5-8.5	5.0	3.0	-	500 (Desirable) 2500 (permissible)	100 (Desirable) 500 (Maximum Permissible)	

36 MLD STP at CDA-Bidanasi area of Cuttack



16 MLD STP at Mattagajpur Cuttack

33 MLD STP at Mattagajpur Cuttack

Annexure-11

6/10/22, 1:37 PM pollutionb Mail - Action plan to control marine pollution in 480kms coastline Odisha

State Pollution Control Board, Odisha
ରାଜ୍ୟ ପ୍ରଦୂଷଣ ନିୟନ୍ତ୍ରଣ ବୋର୍ଡ , ଓଡିଶା

Coastal Management Cell ICZMP <cmc@ospcboard.org>

Action plan to control marine pollution in 480kms coastline Odisha

1 message

Coastal Management Cell ICZMP <cmc@ospcboard.org> Fri, Jun 10, 2022 at 1:07 AM
To: asudhakar.cpcb@nic.in

Sir,
As discussed in last CMC meeting held on 09.06.2022, please find attached herewith the soft copies of draft Action Plan to control marine pollution in 480kms coastline of Odisha, prepared by State Pollution Board Odisha along with communication made to line Departments for their views, suggestions and informations.
This is for your kind perusal and necessary inputs for finalisation.
With regards
Nodal Officer

–
Coastal Management Cell, ICZMP
State Pollution Control Board,
4th Floor, Plot No. B-59/2 & 59/3,
Chandaka Industrial Estate, Patia,
Bhubaneswar-75102, Odisha

3 attachments

ACTION PLAN R6.pdf
2403K

Letter08.06.2022.pdf
494K

Letter20.04.2022.pdf
2042K

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.

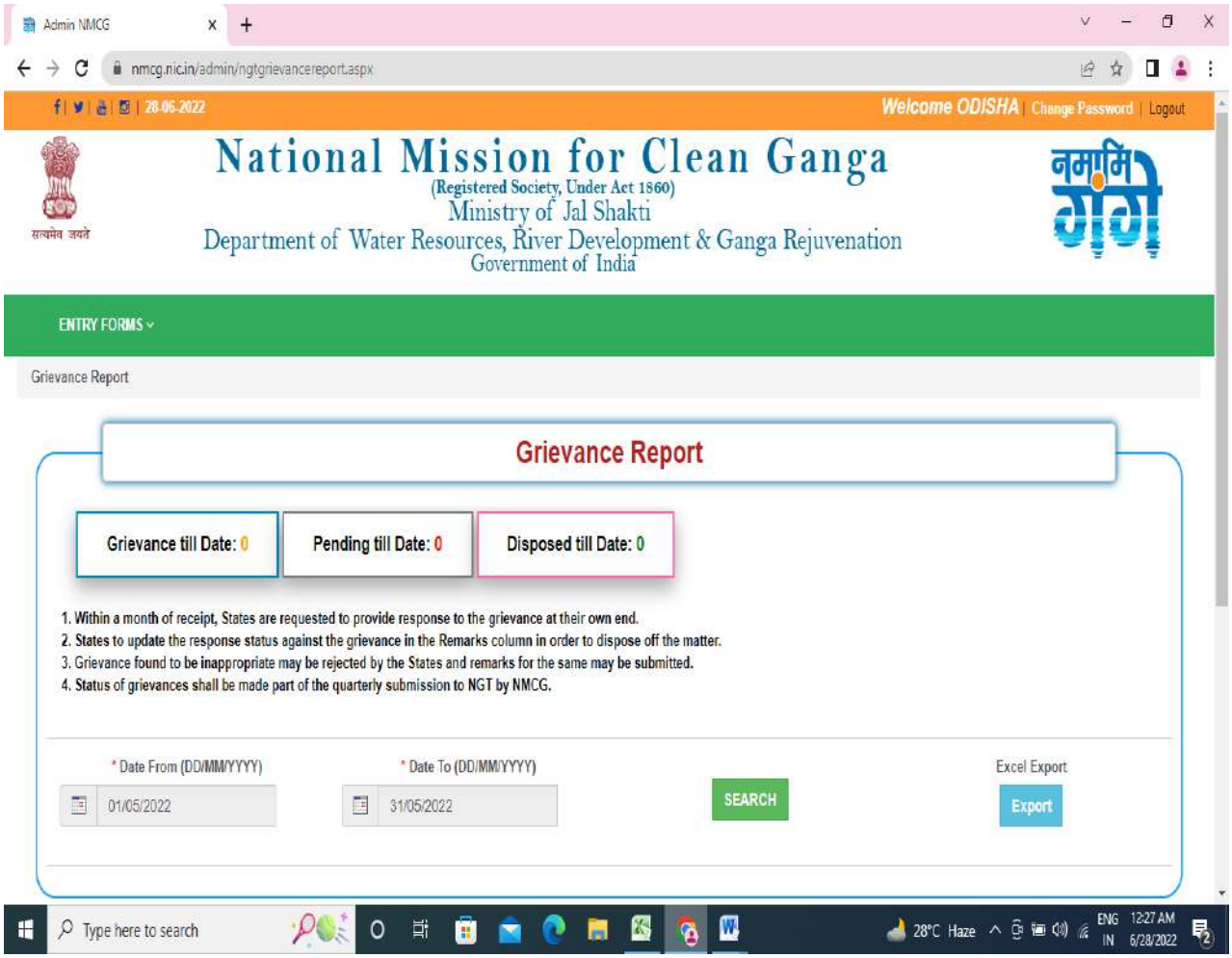
Measures taken for abatement of pollution due to mining activities

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


Admin NMCG
nmcg.nic.in/admin/ngtgrievancereport.aspx
28-06-2022
Welcome ODISHA | Change Password | Logout
National Mission for Clean Ganga
(Registered Society, Under Act 1860)
Ministry of Jal Shakti
Department of Water Resources, River Development & Ganga Rejuvenation
Government of India
सत्यमेव जयते
ENTRY FORMS
Grievance Report
Grievance Report
Grievance till Date: 0
Pending till Date: 0
Disposed till Date: 0
1. Within a month of receipt, States are requested to provide response to the grievance at their own end.
2. States to update the response status against the grievance in the Remarks column in order to dispose off the matter.
3. Grievance found to be inappropriate may be rejected by the States and remarks for the same may be submitted.
4. Status of grievances shall be made part of the quarterly submission to NGT by NMCG.
* Date From (DD/MM/YYYY)
01/05/2022
* Date To (DD/MM/YYYY)
31/05/2022
SEARCH
Excel Export
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6/28/2022