

Activity Report for the year 2016-17

(Ending Jan-

2017)

1. Over all status of urban sanitation in Odisha.

- The urban population in Odisha is 59.69 lakh
- As per 2011 census, open defecation in ULBs is 30.65% and only 49.41 % of households have septic tanks.
- Only 2% of domestic liquid waste is treated and about 98% untreated liquid waste either percolates to the ground or finds its way to surface water bodies without treatment.
- Major rivers of Odisha, namely Brahmani, Mahanadi, Daya and Kathajori do not conform to the designated best use criteria for Class-C (Drinking after conventional treatment) and Class-B (outdoor bathing) as revealed from the State Pollution Control Board monitoring data at various locations i.e. Rourkela , Talcher, Sambalpur, Bhubaneswar & Cuttack owing to discharge of untreated domestic waste water.
- Discharge from insanitary latrines , sewage flowing in drains, effluent from septic tanks, septage and sewage mixed with drain water and open defecation pollute the immediate environment and adversely affect human health.
- At present, Puri Municipality has fully functional sewerage system with sewage collection network and sewage treatment system.

2. Action taken to address the challenges

- To address the environmental challenges posed by insanitation and pollution of water sources, various measures such as implementation of sewerage system, septage management, I&D works etc. have been taken in the State which are described in the following paragraphs :

a) Sewerage System

- A comprehensive sewerage system with a treatment plant of 15 MLD capacity has been completed, commissioned and put into operation in Puri municipality.
- Integrated sewerage projects at Bhubaneswar and Cuttack are under execution. Three nos. of STP with combined treatment capacity of 100 MLD are under execution with JICA funding in Cuttack and Dist-VI, Bhubaneswar. Balance work of integrated sewerage system in Dist-I, II & III, Bhubaneswar shall be executed separately for which three tenders have been finalised.
- Work order has been issued on 26.12.2016 for implementation of sewerage projects at Rourkela and Sambalpur towns. The capacity of STP in Rourkela & Sambalpur are 48 MLD & 40 MLD respectively.
- M/s IPE Global, consultant has been engaged for preparation of DPR for sewerage system of Berhampur City. Inception Report was presented by the agency on 03.08.2016.

b) Septage management

- Septage management projects is being implemented in 9 AMRUT towns of the State.
- Work order for Septage management in 7 AMRUT towns of the State (Bhubaneswar, Cuttack, Rourkela, Sambalpur, Berhampur, Baripada & Puri) have been issued. Collector, Balasore & Collector, Bhadrak have been requested to provide land for septage management in these two towns.
- Tripartite MoU between the State Govt., ULB and OWSSB has been signed on 07.01.2016 and EIL has been engaged as the PDMC for rendering consultancy services.
- In order to regulate construction, cleaning, maintenance, treatment and disposal of septage in Urban areas, Govt. has formulated the **Odisha Urban Septage Management Guideline- 2016** and circulated it among all the ULBs of the State.
- Procurement of 86 nos. of 3 KL capacity cesspool emptiers completed & handed over to 57 ULBs of the State. The model RFP for selection of operator to carryout fleet management of cesspool vehicles for collection & transportation of urban septage has been prepared. Discussions were held on 04.11.2016 with private cesspool operators in different ULBs such as Berhampur, Bhubaneswar, Cuttack, Bhadrak, Khurda etc. regarding various provisions of RFP to finalise the RFP. RFP have been floated by the Mission Director, SBM.

c) Wastewater management by Phytorid technology

- MoU has been signed with NEERI, Nagpur on 09.11.2015 for preparation of DPR and rendering consultancy services on wastewater management at Baripada, Balasore, Bhadrak & Musa Nai in Puri through phytorid technology, which has been developed & patented by NEERI.

d) I&D works

- Three nos. of I&D projects in Cuttack have been commissioned with a STP of 33 MLD capacity at Matagajpur and put into operation.
- Two nos. of I&D projects in Talcher have been constructed. One 2 MLD capacity STP is under execution for commissioning of the I&D system.

e) Other measures

- Two nos. of environmental projects in Puri namely Renovation of existing Bankimuhan WWTP is completed. Establishment of ETP at Sri Jagannath Temple is also completed. Both WWTP & ETP have been commissioned.
- A consultant has been engaged for preparation of DPR for storm drainage system in Sambalpur & Kendrapara towns.

3) Long -Term planning

- Though establishment of underground sewerage system in urban areas is the best way forward to address these environmental challenges, it requires high capital investment as well as O&M cost and needs longer implementation period. An in-principle decision has, therefore, been taken

to implement the sewerage system only in the five Municipal Corporations apart from Puri for the time being.

- The rest of the ULBs will be covered under septage management which is efficient, effective and yet offers a solution involving low capital investment and O&M cost. Septage management will co-exist with sewerage system in municipal corporation to cater to fringe areas and areas not connected to sewerage system.
- Coverage of all the ULBs under septage managements system in a phased manner is envisaged to be taken up during the period from FY: 2016- 2017 to 2019-20 which will lead to improved urban sanitation with positive impact on public health , environment and river water quality.

4. Achievement during FY : 2016-17 (Upto January-2017)

- The sewerage system in Puri town is completed, commissioned on 27.06.2013 and under O&M by M/s Eureka Traders Bureau for 1 year w.e.f. dt. 08.03.2016.
- Execution of three STPs (100 MLD capacity) in Dist.-VI, Bhubaneswar and Cuttack are under progress with JICA funding. Laying. Tender was floated for selection of contractor in EPC mode for construction of STPs, SPS & sewer line in Sewerage Districts- I, II & III of Bhubaneswar on 21/22.03.2016 & 04.06.2013 respectively. The price bid of M/s TATA Projects Ltd. & M/s SG Infratech (JV) (Rs.345.37 Crore) for SD-III, price bid (Rs.206.72 crore) of M/s Backbone Enterprisers & M/s Laxmi Construction (JV) for SD-I & the price bid (Rs.173.08 crore) of M/s Laxmi Construction for SD-II have been recommended to Govt. for approval vide this office letter No. 4791 dt. 18.11.2016 & No. 4100 dt. 27.09.2016 respectively.
- Tender was floated for selection of contractor in EPC mode for construction of STP, SPS & Sewer line in Rourkela City-East & West on 06.06.2016. The price bid of M/s L&T Ltd. (Rs.340.20 crore) was submitted to Govt. for approval vide letter No. 4661 dt. 09.11.2016. Govt. have approved the price bid on 26.12.2016. Work order issued on 26.12.2016.
- Tender was invited on 07.06.2016 for selection of contractor in EPC mode for construction of STP, SPS & sewer line in Sambalpur Town. The price bid of M/s Gharpure Engg. & Construction Pvt. Ltd. (Rs.324.31 crore) was submitted to Govt. for approval vide letter no.4755 dt.16.11.2016. Govt. have approved the price bid on 26.12.2016. Work order issued on 26.12.2016.
- Septage management projects are under implementation in nine 'AMRUT' towns of the State (Bhubaneswar,Cuttack, Rourkela,Sambalpur,Berhampur,Baripada, Balasore, Bhadrak & Puri). Tender was invited for 7 towns such as Puri, Bhubaneswar, Cuttack, Rourkela, Sambalpur, Baripada & Berhampur towns except Bhadrak & Balasore towns. Work order has been issued to the L1 bidder & of the following towns.

Name of the town	Date of issue of work order	Schedule date of completion	Status of projects
Bhubaneswar	13.12.2016	17.10.2017	Ongoing
Cuttack	26.12.2016	17.10.2017	Required land handed over to the Agency.
Rourkela	16.12.2016	21.10.2017	Required land handed over to the Agency. Soil testing started.
Sambalpur	08.12.2016	03.10.2017	Required land handed over to the Agency.
Baripada	15.12.2016	10.10.2017	-do-
Puri	26.10.2016	25.07.2017	Ongoing
Berhampur	18.11.2016	15.10.2017	-do-

- Alternate land in Balasore town has been identified & moved to Collector Balasore to provide NOC to execute septage project. There is public objection on the identified land in Bhadrak town.
- MoU was signed with NEERI, Nagpur for rendering consultancy services on wastewater management in the drains of four towns (Baripada, Balasore, Bhadrak & Puri) through phytoid technology.
- 'Odisha Urban Septage Management Guidelines 2016' has been formulated in order to regulate construction, cleaning, maintenance, treatment and disposal of septage in urban area.
- Procurement of 86 nos. (3 KL capacity) cesspool emptiers completed & handed over to 57 ULBs of the State for septage management in urban areas.
- Tender was invited for preparation of DPR for sewerage system of uncovered areas of Bhubaneswar, Cuttack and Puri town. Pre-final DPR of Bhubaneswar City submitted to Govt. on dt.19.10.2016 for arrangement of funds. Financial bid of Puri & Cuttack have been submitted to Govt. vide letter No.4352 dt.21.10.2016 for approval for engagement of consultant.
- The consultant (M/s TTI Ltd.) engaged for DPR preparation of Storm water drainage system in Kendrapada and Sambalpur town has submitted the Inception reports. The draft DPR of Kendrapara town was presented on 22.11.2016 by the Consultant.
- The consultant (M/s IPE Global Ltd., New Delhi) engaged for preparation of DPR for sewerage system on Berhampur town has submitted the Inception report on 03.08.2016. Stipulated date of completion of DPR was 12.01.2017.

5. Budget Plan 2017-18.

Implementation of Bhubaneswar Sewerage Project has been taken to with GOI /GOO funding and JICA Loan assistance. The Sewerage Project of Cuttack city is funded by GoO with JICA Loan assistance. Loan assistance of Rs.30.00 crore has been received from OUIDF (under KFW assistance) for implementation of sewerage projects in Sambalpur out of sanction of Rs. 40.00 crore. Moreover funds amounting to Rs. 94.00 crore has already been provided under State Plan (2014-15 & 2015-16) for land acquisition & execution of these projects. As these sewerage projects are capital intensive in nature, budget allocation is necessary for smooth implementation of these projects during the current year.

- An amount of Rs.1.00 crore has been allocated for acquisition of land for execution of sewerage projects in Bhubaneswar in State Budget Plan 2016-17. An amount of Rs,20.00 Crore is proposed for Loan Assistance during 2017-18.
- Similarly Loan assistance of 40.00 crore each has been received from OUIDF for Rourkela East & West and Rs 40.00 crore each as grant to OWSSB By audit during 2016-17.
- An amount of Rs.2400.00 lakh has been allocated for acquisition of land for execution of sewerage project in Sambalpur and Rourkela in State Budget Plan 2016-17. An amount of Rs.100.00 crore is proposed during 2017-18 for sewerage project of Sambalpur & Rourkela.
- An amount of Rs.6.00 crore has been allotted under the “Grant to OWSSB for execution of different works” for O & m of sewerage and drainage system of CDA, Abhinaba Bidanasi in Cuttack O&M of Sewerage System OF Puri town and execution of environmental projects in Puri during financial year 2016-17. An amount of Rs.22.08 crore is proposed during 2017-18 for nine nos of different projects.
- An amount of Rs.239.74 lakh has been proposed in the Budget Estimate 2017-18 for clearance of the sewerage project at Puri executed under NRCD Scheme and completed during 2016-17.
- An amount of 960.00 lakh is proposed for payment of interest on OUDIF Loan for integrated sewerage work at Rourkela town and Sambalpur town.
- An amount of Rs,600.00 lakh is proposed as grant to OWSSB for consultancy services to Authority Engineers and or supervision of Sewerage work at Bhubaneswar, Sambalpur and Rourkela.
- An amount of Rs.1200 lakh is proposed during 2017-18 as grant to OWSSB for construction of composite office building at Bhubaneswar & Rs.12.50 lakh for repair of office building at Rourkela Rs.300.00 lakh for Waste Water Treatment system under support from NEERI.

