

REPORT OF THE JOINT VERIFICATION TEAM FORMED IN PURSUANCE TO THE DIRECTION OF HONOURABLE HIGH COURT OF ORISSA ON DISCHARGES OF DOMESTIC WASTE WATER OF CUTTACK CITY INTO TALADANDA CANAL AND PROPOSED SOLUTION TO PREVENT SUCH DISCHARGES

In pursuance to the direction of the Hon'ble High Court, Orissa, Vide Order No.60 dt.04.09.2008 the different organizations of the State by deputing one officer each have formed a team as given here under.

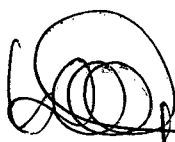
- 1. Cuttack Municipal Corporation Executive Engineer No-II
- 2. Orissa Water Supply and Sewerage Board Project Engineer PMUOWSSB,
Cuttack
- 3. PHED Superintending Engineer,
P.H. Circle, Cuttack
- 4. State Pollution Control Board Regional Officer, Cuttack

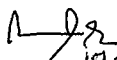
The team assembled on 20.09.08 and discussed the matter of joint verification of all the domestic waste water outfalls that stated to have discharged into Taladanda canal. It was viewed that since water level in Taladanda canal was high due to the flood situation, it would not be possible to locate the outfalls. Also, the officials of concerned agencies are busy in emergency duties. As such, the joint verification by the team was deferred with the decision to do it as soon as normalcy is restored.

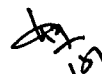
On 27.09.2008 the team again had the joint verification of the site and their observations are asfollows:-

OBSERVATIONS:

- All the out-falls into Taladanda canal are shown in the appended drawing
- In total 17 outfalls have been identified at different locations in the stretch of Cuttack City from Jobra to Matagajpur as marked in the above drawing.
- Out of these 17 outfalls, 5 outfalls have already been diverted by engineering interception (ID) and they are no more discharging the waste water into Taladanda canal during normal period. Only during rain in Cuttack City, discharge from these points may take place in order to relieve from water logging situation in the city.


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- The remaining 12 Nos. out falls, 3 Nos. in Jobra Irrigation colony area, 1 No. at Fish Market, Jobra, 7 Nos. between NH-5 and Nayabazar bridge and one at Nayabazar area are discharging into Taladanda canal.
- Besides above, during water logging situation in Cuttack city storm water mixed with domestic waste water is being pumped at 4 locations to Mahanadi river near Akash Vani, near Doordarshan near Jobra Rly Bridge and near Potapokhari. The link drain emanating from MSWC I near Bisinabar Culvert discharging waste water into Kathojodi River at Khannagar Rly Bridge:

Point - 1 Point - 2 Point - 3	Presently discharging into Taladanda Canal. Needs to be intercepted & diverted to MSWC I.
Point - 4 Point - 5	Drain from Mangalabag area in front of Cancer Research Centre & internal drains of SCB Medical College & Hospital are intercepted and diverted.
Point - 6	The MSWC I is opened into Taladanda canal through a gate which is opened during emergency to control water logging situation in the city.
Point - 7	A small drain near the Jobra fish market can be diverted into the nearby drain
Point - 8	Drain near College Square and Malgodown intercepted and diverted to MSWC I
Point - 9	Drains from OMP chowk, Orissa State Finance Corporation (OSFC) area diverted to MSWC I
Point - 10 Point - 11 Point - 12 Point - 13 Point - 14 Point - 15 Point - 16	To be intercepted and diverted to MSCWC-I
Point - 17	The out fall of MSWC - II Work is already in progress to intercept and divert the waste water to MSWC - I by pumps across the canal at Tingharia area.

- At the following interception and diversion points the existing pumping arrangement are as follows:-

SCB Medical College (Point 4 &5) - 15 HP - 2NOS.
 College Square & Malgodown (Point 8) - 5HP - 2NOS
 Near OSFC Office (Point 9) - 5HP - 2NOS

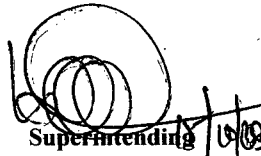
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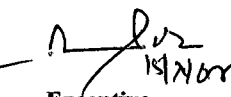
The pumps are electrically operated. During power failure when the pumps stop operation, the waste water is likely to enter into Taladanda canal.

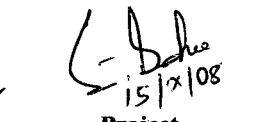
- Besides the outfalls of city drains, Taladanda canal water is also adversely affected by open defecation particularly near slum pockets located along the side of the canal.

PROPOSED SOLUTION:

- I. Since the centralized STP at Matgajpur has been made functional, all domestic waste water of the city can now be diverted into MSWC 1 which in turn shall be treated in the STP before final disposal into River Kathjori.
- II. For uninterrupted pumping during power failure, stand-by DG Sets of adequate capacity may be installed to check overflow and consequent discharge of waste water into Taladanda Canal.
- III. Provision of community toilets in slums shall reduce pollution load on canal water.
- IV. A tripartite agreement involving Govt. of India, Govt. of Orissa and Japan Bank of International Co-operation (JBIC) have already been made for Orissa Integrated Sanitation Improvement Project of Cuttack City. The Work has been scheduled to be commenced from Dec-2009. The aspect of complete stoppage of untreated waste water discharge into Taladanda Canal, Mahanadi and Kathjori river shall be comprehensively dealt in the said project.


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