

INSPECTION REPORT ON MSWC-II OF CUTTACK MUNICIPAL CORPORATION NEAR BIDYADHARPUR, CUTTACK

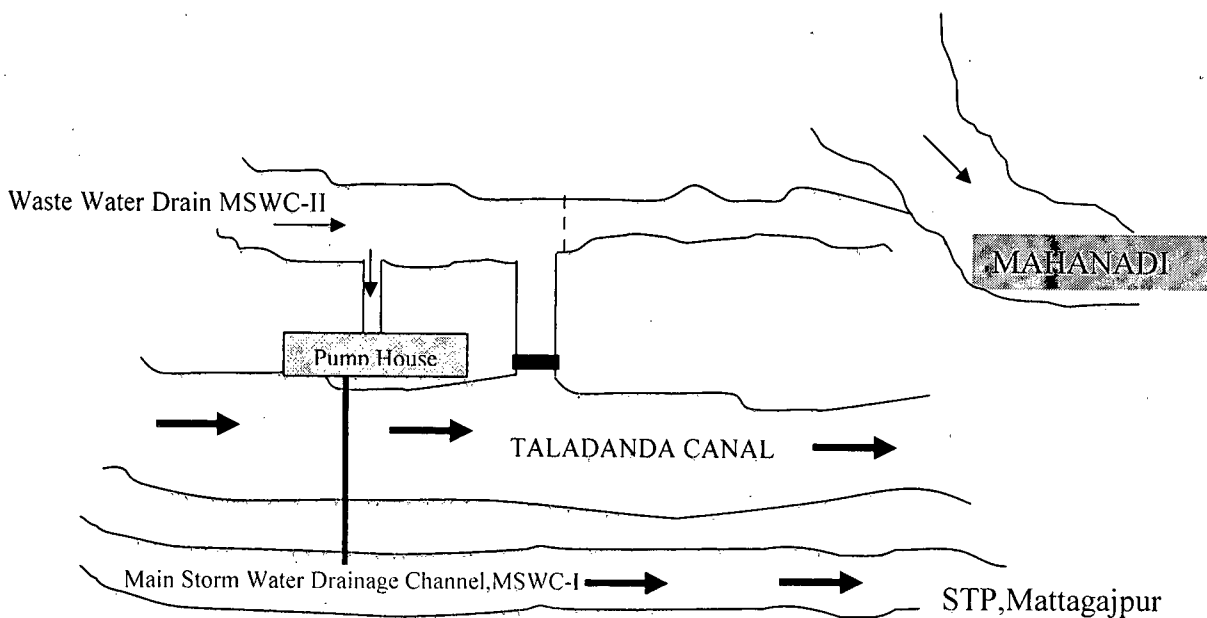
Inspected on dtd. 13.03.2009 regarding the status of MSWC-II, the drainage channel from Nuabazar side leading to CRRI (Centre of Rice Research Institute), at Bidyadharpur of Cuttack Municipal Corporation. The following observations were made:-

This is a drainage channel originating from Nuabazar side leads to CRRI (Centre of Rice Research Institute), Cuttack as shown in Fig-I. The channel has been intercepted and diverted to MSWC-I near Bidyadharpur with arrangement of one waste water pumping station which is operated by Orissa Water Supply & Sewerage Board, Cuttack to avoid the direct discharge of sewage to Taladanda canal. The station has an arrangement of a sump and four number of 10 HP pumps, which pump the waste water from MSWC-II to MSWC-I, (Main drain which leads to STP, Matagajpur). In this arrangement the sewage water is screened first and allowed to flow to collection sump, from where it is pumped to MSWC-I drain leading to STP, Matagajpur. Mr. Sk. Mamduda, the pump operator of Orissa Water Supply & Sewerage Board, Cuttack was present in pump house at Bidyadharpur. After enquiry about the operation of the pump the following observations were made:-

1. The pump operator informed that that the pump is operated by Orissa Water Supply & Sewerage Board, Cuttack which is likely to be handed over to CMC soon.
2. Four motors are running continuously for 24 hrs each of capacity **10HP** (40HP in total) having waste water drawn capacity of **12 MLD**.
3. The waste water, pumped from the sump is discharged to the main drain (MSWC-I) by means of M.S. pipe over Taladanda Canal.
4. At the time of pumping of waste water to the main drain no leakage was observed in the pipe line.
5. The drain which was made for direct discharge of waste water to Taladanda canal from MSWC-II was closed with a gate and Taladanda canal was flowing below the level of the waste water drain. The overflow from MSWC-II was flowing towards CRRI and finally leading to Gulguli for discharge to Mahanadi River.

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Figure-I



Observations and Recommendation:-

1. As observed and reported earlier on 06.11.2008, the pumping station is still operated by Orissa Water Supply & Sewerage Board and CMC has not yet taken over the charge of pumping station. The CMC should take over the charge of pumping station soon.
2. The pumping station arrangement is inadequate to handle entire sewage from OMP, Chauliaganj, Mahanadi vihar, Nayabazar and Bidyadharpur area, as there was overflow of sewage in the drainage channel towards CRRI side. During rainy season, the pumping will be grossly inadequate and there will be large overflow of sewage in the drainage channel (MSWC-II) towards CRRI area leading to discharge to Mahanadi River near Gulguli.
3. The drainage network covering entire above area with connectivity to MSWC-II should be constructed. The augmentation of sump capacity and pumping capacity to handle up to 20 MLD waste water with power back up for the pumps should be made to provide better sewage treatment and management system.

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True copy attached
Adm.