

15MLD STP UNNAO SITE INSPECTION REPORT

Inspection note of 15 MLD STP Unnao STP construction site and facilities by Mr.Anil Kumar Seth, PE,TL (I/C) and KRMPL Representative as given below:-

Date of site visit	19/10/2023
Visit Team & Persons met	Mr.Anil Kumar Seth–Team Leader(I/C), STC Kanpur Mr. Indra Deo Pandey,Support Engineer, STC Kanpur Mr.Gautam Sarkar-Site Incharge,KRMPL,Kanpur Mr.Shrikant Bera–Supervisor Electrical,KRMPLKanpur Mr. Ajay Negi–Mech. Engg. , KRMPL Kanpur Mr.Gulshan Kumar–Safety Engg.,KRMPLKanpur Mr. S.P Tony-Civil Engg KRMPL
LOCATION	STP 15MLD STP Unnao

A. Manpower

- Mechanical : 3 (For Pipe work MPS to PTU)
- Civil : 6 (For Interim pipeline work)

B. Laying of 500 mm dia MS interim sewage line from City Jail Naala to receiving chamber at MPS:

1. Work reference

- I. DDG NMCG Meeting 25/08/23 regarding feasibility of sewage from city jail naala
- II. RoD of review meeting on Kanpur on 30/09/23 under the chairmanship of DG NMCG (Point no 8)
 - Sump construction 3 m x 3 m x 2.5 m is proposed at NE corner which is nearest point from the plant which is complete. Screen has not been installed
 - 500 mm dia MS pipe about 300 m are to be laid out of which 280 m laid and 20 m balance
 - 7 no Manholes are to be made out of which 6 no manholes have been completed. Manholes are circular and inner dia is 1500 mm

- Work of 7th manhole was pending and holes were made through core cutting near the wall and inlet of MPS for entry of balance 20 m pipe.
- Difference of invert level of tapping point and receiving chamber is 900 mm as reported.
- It was informed by KRMPL that above interim work shall be completed by 30/10/23 in all respect.
- It is proposed to collect sewage from city jail naala to inlet of the MPS and from there to inlet chamber at PTU. As the sewage quantity will be approximately 1/3 of the actual requirement.
- Simultaneously mechanical work of connecting 1200 mm pipe from MPS to PTU was in progress which was dismantled due to sinking of drain pipe from MPS.

C. Other Pending works:

1. MPS 1 no motor meager testing showed that it is burnt which should be attended immediately.
2. Shower for eye wash has not been installed.
3. Earthing- Out of 32 nos earthing 14 nos are made and 18 nos are being balance due to incomplete road. Earthing chambers of 4 nos have been made.
4. Torque switch supply for thickener and grit mechanism is pending.
5. Cheaker plates are to be fixed.
6. Due to non availability of sewer testing & commissioning works are pending.
7. External electrification pending.
8. Road construction and leveling pending.
9. Site development pending.
10. Cable dressing pending.
11. Water quality analyzer installation is pending.
12. SBR and balance of plant interfacing pending.
13. Flexible cable supply of all Eot is pending.
14. SBR and balance of plant automation is pending.
15. Motor Canopies are pending.
16. **Cleaning of 1200 MM RCC Pipe-** Cleaning of 224 m pipe is still pending. Cleaning 1 manhole and rectification of 2nd manhole are still pending. There was no work found in progress of cleaning.

D. Safety Matters.

- Following training have been given.

1. Work at height.
 2. Electrical safety.
 3. Confined space entry
 4. Lifting.
 5. Use of power tool.
 6. Use & maintenance of personal protective equipments (PPE).
 7. Excavation training.
 8. Hot work training.
 9. Emergency response training.
 10. Fire fighting.
 11. Heat stroke and shock mock drill training.
- Sri Gulshan kumar safety engineer was requested to attend safety training for STPs for the prevention of hazards under the guidance of OSHA.

The NMCG is hosting online session on the aforementioned topic in order to foster a safer working environment and to stay aligned with NMCG's commitment to excellence in safety standards.

Training session dates (11:30 AM to 12:30 PM).

Session I	19/10/2023
Session II	09/11/2023
Session III	14/12/2023
Session IV	11/02/2024
Session V	08/02/2024.



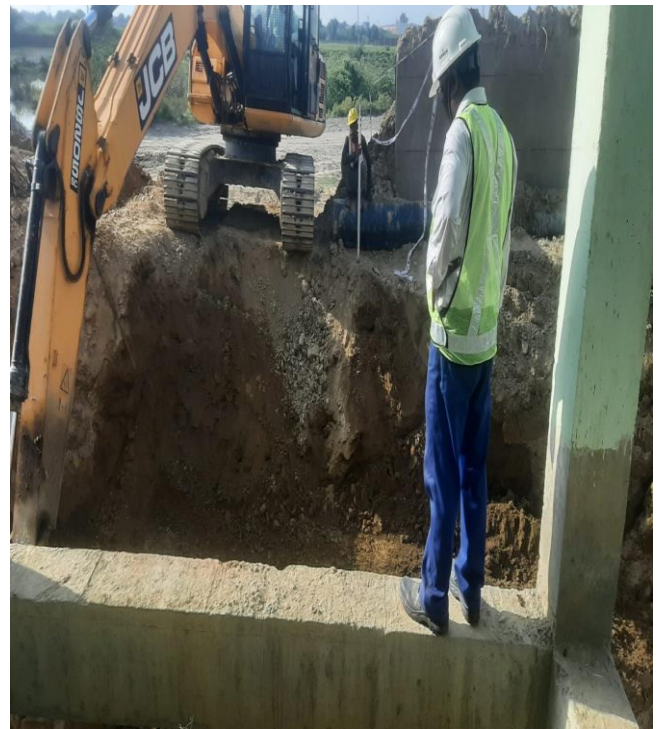
Incoming Chamber at source at City jail Naala outside and inside



1200 mm RCC pipe from source in inlet chamber and Manhole



Core cutting at boundary and MPS inlet chamber



Installation of pipe 1200 mm from MPS to PTU