

Inspection Report of 42 MLD Sajari STP inspection done on 29/ 02/ 2020

Visited and Inspected 42 MLD Sajari STP site on 29/ 02/ 2020

Following UPJN, STC and KRMPPL officials were present at Sajari STP site:

1. Mr. Satendra Sharma Support Engineer STC
2. Mr. Vinay Shakya P. E. Construction Unit 2 GPCU UPJN
3. Mr. Ram Khilawan Process Engineer/ Lab Chemist

Observations:

Mechanical sceens:

- Auto system of both mechanical screens is not working from last 3 months.

MPS:

- All 5 pumping plant at MPS are in working condition.
- Raw Sewage Inflow is 15 MLD.

Electrical Panel Room:

- In Electrical Panel Room 15 push buttons are not in their places, to be fixed immediately.

Inlet Chamber:

- Chain covers are not fixed

Sludge Thickener:

- Both pumps installed at Sludge Thickener are in working condition. one pump which was not working has been repaired an installed on 03/02/2020
- All 3 pumping plants are now working at Return Sludge Pumping Station (2 pumps repaired and installed on 26/01/2020.

Gas Holders:

- The leakage of gas detected between Digester and Gas Holder during last inspection on 04/01/2020 is still not arrested.

Aerations:

- Now all the 12 aerators are in operation since 04/01/2020 and it is observed that now COD is within 100 except for the days when COD of Raw Sewage is more than prescribed limit of 450.
- PM (E&M) GPCU UPJN Kanpur is requested to check the submergence, amperage and RPM of Aerators as per original design as it has come to our knowledge that aerators are rated for 40 Amp are running on 26-27 Amp. Only which show at first glance that aerators are not running on full load and hence may not giving full efficiency?

House Keeping:

- It is observed that housekeeping of the campus is not being done properly. Grass cutting and hedge cutting is not done regularly.

Sludge Disposal:

- Sludge extraction is about 2.2 Ton/day.
- Sludge disposal is being done within the campus itself but it is required to be dressed properly.

Chlorination Room:

- There are 3 chlorine cylinders are available in the chlorination room and it is told that 3 chlorine cylinders have gone for refilling. Proper dosing of chlorine is to be calculated and accordingly chlorine cylinders are to be arranged.
- No Safety Shower is installed near the chlorination room. It is required to be installed immediately.

Testing of Samples:

- It was decided in the meeting of 16/12/2019 that joint sampling of inflow and outflow is to be done by UPJN & KRML and got tested by IIT Kanpur but it is not being followed till now.



(J. P. Tripathi)

O & M Engineer