

## **Inspection Report of 210 MLD Bingawan STP inspection done on 29/ 02/ 2020**

Visited and Inspected 210 MLD Bingawan STP site on 29/ 02/ 2020

Following UPJN, STC and KRMPL officials were present at Bingawan STP site:

1. Mr. Satendra Sharma Support Engineer STC
2. Mr. Shriram Saste Plant incharge KRMPL
3. Saurabh Singh Admin KRMPL
4. Mr. Dharmendra Kumar – Safety Engineer - KRMPL
5. Mr. Shailesh kumar – Lab chemist - KRMPL

### **Observations:**

#### **MPS:**

- Only 8 pumping plants out of 12 pumping plants installed at MPS are in working condition. It is informed that 2 PPs are under repair at the site itself, 1 PP with electric panel defect not yet repaired and casing of 1 PP is damaged. It is informed that casing has been ordered and it will take one month to get it.
- Motors coupling guards arranged and installed for all pumps
- Raw Sewage inflow measured as 133.45 MLD
- Painting of railing has been done so far. Painting of other corroded parts is required immediately.

#### **Inlet Chamber:**

- Out of 3 steams only 2 are running
- Coupling guards and chain belt guards still not provided for all the moving parts in the site area.

#### **UASB Reactors:**

- Anaerobic Sludge Blanket System in all the UASB reactors have collapsed due sludge filled up to the level of sludge blanket. Therefore availability of UASB Reactors has been reduced to zero and thus availability and efficiency of the Plan has been reduced to 40% only. Immediate action is required in this matter.
- Reactor No. 8 has been opened for cleaning and reactivating.
- Painting of all corroded parts to be done

#### **Aeration Tanks:**

- All 18 Aerators are working now.

### **Sludge Filter Press:**

- Out of 3 sludge filter press only 1 is being used. It is informed that Belt of 1 more filter press has been changed but has not been put to use due shortage of Tractor Trolley. Third filter press is still to be repaired.
- KRMP staff is required to operate at least 2 sludge filter presses at a time.

### **Chlorination Room & CCT:**


- Only 2 chlorine cylinders are filled out of 20 cylinders installed in the chlorination room. calculate chlorine dosing and accordingly required Nos. of chlorine cylinders are to be procured..
- Safety Shower installed near chlorination room is put to use.
- CCT is filled with sludge, needs to be cleaned at the earliest.

### **Boundary Wall:**

- Remaining boundary wall is to be completed at the earliest by UPJN.
- 10 out of 40 lights fitted on boundary wall are not in use, needs to be repaired immediately by KRMP.
- Corridor to the Mazar is to be provided by UPJN..
- Open well near Mazar is to be covered by iron screen.

### **Sludge Disposal:**

- At present sludge is being dumped near Mazar. Sludge is required to be filled in the filling area behind Polishing Pond.

  
(J. P. Tripathi)

O & M Engineer