

## **Inspection Report of 5 MLD STP Shuklaganj**

### **1. Specific Points related to the site inspection**

- i. Total of manpower/workers were deployed at the site as reported by KRMPL:

<b>SN</b>	<b>Particular</b>	<b>No. of workers</b>
i.	Skilled	13
ii.	Unskilled	21
	<b>Total</b>	<b>34</b>

- ii. Despite directions given during several NMCG meetings, manpower has been increased by KRMPL. But need more manpower at the Shuklaganj site to complete the project earliest.
- iii. During visit, progress of different STP components was checked as per the approved construction plan and it was found that progress of 05 MLD STP is very slow. Total progress was found 78%.

### **2. Report of various unit-**

#### **A. I&D Structure-**

- i. Work of I&D structure is in progress. Reinforcement& shuttering work of wall is done. The casting of the all lift of the wall was done without informing UPJN and STC. In Approach channel, inlet channel and screen channel finishing and hydro test is pending.
- ii. During Site visit we found minor cracks are visible due to lack of curing.
- iii. Manual Screen's , Hand Rails are not installed.



**B MPS-** At inlet chamber step arrangement and proper foot rest have not been provided. Column, beam and slab work is still pending. KRMPL needs to do hydro testing with clear water as per CEPHEEO MANUAL and IS code3370 in presence of UPJN & STC. It was advised to clean the open steel bar and coat with cement slurry.



**C PTU-** PTU 2<sup>nd</sup> lift staircase shuttering work in progress. PTU, Column work completed and slab shuttering and reinforcement work is in progress. In Inlet chamber area finishing work, hydro test is pending. In Grit chamber and parshall flume RCC wall & slab, walk way, platform and hydro test pending.



- B. SBR-** In SBR connecting channel, supporting column, walkway platform, RAS & WAS pump platform column, decanter foundation, finishing hydro test are pending. Selector zone wall pipe support beam reinforcement on progress.
- C. SBR Staircase** second lift is pending.



**Admin building cum Blower room-** In admin building room first floor Slab casting work is completed and second floor slab work pending, brick work IPS flooring, electrification, sanitary fitting & plumbing, beam, column works are pending. In blower room roof slab, brick work, IPS flooring, roof treatment & finishing works are pending.





- D. Staff quarter-** Electric wiring work in progress. Plumbing, sanitary fittings, floor, roof treatment, drainage, finishing and painting works are pending. There is no manpower on staff quarter during inspection.



- E. Guard Room-** Electric work, plumbing, sanitary fittings, floor, roof treatment, drainage, finishing and painting works are pending.
- F. Transformer & DG Yard-** Staircase, finishing, approach and painting works are pending.
- G. CCT & Chlorination building -** In CCT outlet channel work, finishing of outlet chamber, grinding, finishing and painting works are pending. In building foundation

of tonner, Electric work, plumbing, floor, finishing and painting works are pending. Putty work on progress. Booster pump and fitting pump can be install. EE UPJN advice for better housekeeping.



**H. Sludge Thickner & Supernatant Pump-** finishing, painting and hydro testing are pending. Scrapper in thickener and pump in supernatant can be install as there is no hindrance.

**I. Centrifuge Building-** PCC done Grade slab reinforcement work in progress. First and second floor slab work is pending, column and beam work is in progress. Cracks found in the beam.





J. **Boundary wall-** 87% work of boundary wall completed. Plaster work of boundary wall is in progress.



**K. Manhole**

During inspection it was found that the manhole work was completed. They were constructed time to time without information to UPJN & STC and. And therefore quality cannot be assured.

**L.** There is no any work progress in work of Rising Main, Effluent disposal system, sludge storage platform and.

**M.** During inspection UPJN & STC instructed KRMPL to cover the all excavated area places with proper safety signals.

**N. HT panel & metering room-** Plaster works and electrical works are in progress.

**Pending Materials**

**Mechanical**

1. Centrifuge 2 nos.
2. Coarse screen for MPS
3. Fine screen for PTU
4. Supernatant pump 4 nos
5. 40 mm -400 mm valves 35 nos

**Electrical**

6. LT Panel
7. APFC Panel
8. Earthing Materials
9. 150/200 mm rcc hume pipe