

## **SITE INSPECTION REPORT**

**Inspection note of 20 MLD Sundar Nagar IPS construction site and facilities by Mr. Anil Seth Kumar, Team Leader and KRMPL Representative as given below.**

<b>Date of site visit</b>	<b>15/04/2023</b>
<b>Visit Team &amp; Persons met</b>	Mr. Anil Kumar Seth – Team Leader (I/C), STC Kanpur Mr. Rahul- Support Engineer- Electrical, STC Kanpur Mr. Ajay Kumar Goyal, Mechanical Engineer, STC Kanpur
<b>LOCATION</b>	<b>20 MLD Sundar Nagar IPS</b>

It is to be noted that despite several requests, KRMPL has not raised an RFI for the inspection of units including the I&D structure at Thermal Nallah-B, However, the Inspection was initiated by PE and conducted in the presence of KRMPL Personnel. Our observations on the same are noted below:-

### **I. Receiving Chamber: -**

- The inlet Sluice gate was supported by ISMC, which is not as per approved GAD.



**Fig: I&D Sluice Gate**

- Accessway is not provided for gate operation.
- The installation of Manual screen at site is not as per approved GAD (Drawing no. 183261003). As per the approved drawing, distance from I&D gate to manual screen should be 1085 mm but only 500 mm was provided. This will make the inlet flow fall directly into the bar screen and push the screenings through the bar spacings causing inefficient removal of debris.
- Provide safe access with stair or appropriate ladder for labour for removal and disposal of screenings.



Fig: Manual Screen

## II. Raw Sewage Pump House

- KRMPL has not fixed guide rail pipes for Pumps till date.
- Supply of DI Reducers is still pending, shall be supplied.
- KRMPL must submit RFI (Mechanical) for Sluice gate, screens, Raw Sewage pumps, Electrical hoist, etc. at IPS located at Sundar Nagar in the presence of OEM.
- Short bolt of Discharge pipe line pipe needs to be replaced. Additionally missing bolts should be fixed with long length bolts. Also painting needs to be done on pipelines.
- GI fastener bolts should be replaced with SS in underground rising/discharge header of pumps pipe line.
- EOT cable termination work is pending.
- Pressure switch installation & cable termination work is pending.
- Level sensor cable dressing work not done with clamp.
- J.B Cum LPBS cable dressing work not done properly.
- J.B Cum LPBS NO.5 emergency push button not working.
- It was observed that Electrical hoist termination work still pending.
- All Mechanical equipment are fixed without levelling & proper alignment. Additionally Grouting work is pending



Fig: Raw Sewage Pump House

- It was observed that leakage f in pipe lines. KRMPL needs to rectify.



Fig: Leakage found in pipe line.

### **III. Mechanical Screen:**

- Differential level meter has not been installed till date. Also, Alignment work of screen is still pending. Hence, before commissioning the mechanical screen, above mentioned points should be rectified & commissioning should be done in the presence of OEM and certified by the same for acceptance.
- Pole light cable tray not fixed & cable dressing not done properly.
- Flow meter display cable dressing not done properly.
- Sluice gate downstream earthing not fixed.
- Cable tag plate not fixed with clamp.
- 2 nos. outdoor poles light are pending & cable dressing not done.

### **IV. Admin Building Cum Staff Quarter :-**

- Panel room checker plate installation work is pending.
- RTU /PLC panel are not functional.
- HT VCB& APFC panel are not functional.
- Transformer gravel filling work is pending.
- Transformer yard danger board & safety sign board installation is pending.

Note: - Sewer Line cleaning work by running 1 nos. pump and it was observed that there was overflow in manhole. This show that sewer line has not been cleaned yet for free flow .which should be done at top priority.