

## **SITE VISIT REPORT**

**Inspection note of 30MLD Pankha STP construction site and facilities by Mr. Anil Seth Kumar, Team Leader (I/C), UPJN officials and KRMPL Representative as given below.**

<b>Date of site visit</b>	<b>17/06/2023</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. Indra Deo Paney- Support Engineer - Civil , STC Kanpur Smt. Pooja AE UPJN(Rural) Kanpur Mr. Rohit Yadav JE UPJN (Rural) Kanpur. ----- Mr. Shabaz Khan – Mechanical Engineer , KRMPL Kanpur Mr. Soumitra Samanta – Civil Engineer, KRMPL Kanpur Mr. Abhishek Kumar – Commissioning Engg. KRMPL
<b>LOCATION</b>	<b>STP 30 MLD PANKHA</b>

### **I. General :-**

- Effectively start date 11 Oct. 2019
- Original date of completion 25.08.2023
- Total progress till dated 96.5%
- 7 milestones completed out of total 8.
- 8<sup>th</sup> milestone was due on 25.03.2023
- Date for STP completion in all respect (NMCG meeting dated 06.02.2023 was 31.03.2023). This was 5<sup>th</sup> extension of time.
- M.D. UPJN directed to complete balance works by 10/06/2023.

### **II. Following are the major silent points of inspection :-**

#### **(A) Pankha STP:-**

##### **CIVIL WORKS**

- From thermal Nalla 5-7 MLD & FROM ICI Nalla 11-12 MLD sewage are reaching at STP. At present no sewage is coming from Sundar Nagar as sewer line desilting work is in progress.
- Road restoration work was found to be very slow.
- Oil tank foundation finishing not properly done.
- Plinth protection pending for MPS
- Plaster and finishing work not properly done under the grit chamber area.

### **MECHANICAL WORKS:-**

- ❖ At the MPS out of installed 5 no. pumps only 4 no. pumps are in working order. 5<sup>th</sup> pump has slipped from dug foot bend since long.
- ❖ All Mechanical equipment testing & commissioning work is pending.
- ❖ OEM should be mobilized for commissioning at top priority.
- ❖ Fine screen preventive maintenance not done properly undue noise was found in both the fine screen.
- ❖ Organic return pump is not working.
- ❖ Screw conveyor is not working properly.
- ❖ Torque switch installation work is pending.
- ❖ Canopy should be installed at various places for protection.
- ❖ 2 no. pump pressure switch are not working properly & water leakage from flange.
- ❖ Hadder pipe platform railing & painting work is pending.
- ❖ Bypass line shed work is pending.
- ❖ Chlorine system analyzer is not working during the inspection.
- ❖ Service water pump earthing not done properly.
- ❖ Sludge thickener, Supernatant, Centrifuge are not functional during the inspection.

### **ELECTRICAL WORKS:-**

- ✓ Flexible cable supply and installation pending for EOT (s) of Following units
  - Air Blower
  - Centrifuge
  - Chlorine
- ✓ Earth pit chamber be raised above finish level and pit chamber cover be installed.
- ✓ 6 no. pole cables found damaged need to be replaced immediately.
- ✓ MPS 1 no. exhaust fan is not working.
- ✓ Pole Junction box 10 nos. are found damaged.

### **INSTRUMENTATION WORKS:-**

- RTOLMS data work is pending.
- DO Analyzer installation pending as per CA.

### **NOTE:-**

- ✚ Compliance on previous inspection reports and RFI observation are pending.
- ✚ Board indicating all the details of installed equipments should be installed at each unit

## **(B) ICI Nalla IPS :-**

### **CIVIL WORKS**

- ❖ Approach plate form to operate the valve be made at MPS.
- ❖ Entry gate not installed.
- ❖ In pump house crossing of two cable trays be made
- ❖ Hand railing work is pending.
- ❖ Painting of pipes/valves and common header pending.
- ❖ Water connection to tank has not been done.
- ❖ Sanitary fitting are pending.
- ❖ Brick work crack at panel room near cable trench to be rectify
- ❖ Tiles and flooring work pending in office and PLC room
- ❖ Extra Exhausts hole be close.
- ❖ Checkered plate should be install in panel room over cable trench.
- ❖ Shutter of panel room pending.
- ❖ Gates of office and PLC room pending.
- ❖ Roof treatment not properly done.
- ❖ Stair construction has not been done properly.

### **MECHANICAL WORKS:-**

- Rising main 800 mm dia. Valve installation pending.
- Pressure gauges are not working.
- All mechanical equipment testing & commissioning work is pending.

### **ELECTRICAL WORKS:-**

- Pump starter LCS Panel 1 nos. not checked
- LT Panel feeder of pump no.2 VFD is not functional.
- LT Panel feeder of pump no.5 is not functional.
- Electrical hoist cable termination & testing pending.
- In pump house three exhaust fan out of 4 no not working.
- All electrical equipment testing & commissioning work is pending.
- Cable trench covers are not fixed.
- Transformer gravel filling work is pending.

### **NOTE:-**

- ❖ Board indicating all the details of installed equipment should be installed at each unit.
- ❖ Name of the various buildings be written.

## **(C) Sundar Nagar IPS :-**

### **CIVIL WORKS:-**

- ❖ Sewer line choked due to non proper cleaning .Hence 100% sewer is not being taken to the STP at Pankha.
- ❖ Cable pit chamber cover need to be fixed.
- ❖ Railing work of various locations is pending.
- ❖ Checker plate in Panel room installation pending.

- ❖ Main inlet gate wall channel support cracked which need to be rectified.
- ❖ Road work not properly done through roller.
- ❖ Plinth protection in all units pending.
- ❖ Earthing chamber are found damage condition .
- ❖ Site development is pending.
- ❖ Hand railing painting work pending.
- ❖ Water fitting and sanitary fittings pending.
- ❖ Main gate and back gate painting work pending
- ❖ Cleaning of sewer line (1600 mm)
- 4 no teams are deployed for cleaning of sewer line. Total Manpower deployed 37 no on cleaning work. Cleaning detail are given below-
- ✚ Between manhole 334 to 335 (cleaning through W. machine).  
Out of 120 m length 105 m cleaning works balance.
- ✚ Between manhole 335 to 338 (cleaning through Hydra).  
Out of 150 m length 75 m cleaning works balance.
- ✚ Between manholes 338 to 339 (cleaning manually).  
Out of 94 m length 40 m cleaning works balance.
- ✚ Between manholes 339 to 341 (cleaning manually).  
Out of 70 m length 7.5 m cleaning works balance.
- ✚ KRMPPL gave anticipated date of cleaning up to 25/06/2023.

#### **MECHANICAL WORKS:-**

- All mechanical equipment testing & commissioning work is pending.
- Pressure gauge & switch installation & cable termination work is pending.
- Main hadder pipe reducer 400/300 mm is still pending.
- Air release valve installation works are not done properly at various locations.
- Fire Extinguisher filing date has been expired.

#### **ELECTRICAL WORKS:-**

- Power supply is pending.
- Cable dressing to be done neatly in cable trays.
- 2 nos. Exhaust fan not installed properly. 1 no. Exhaust fan is hanging and other is not working
- EOT Cable termination work & commissioning work is pending.
- Main gate lighting installation & cable termination work is pending.
- Sluice gate 1 nos. earthing not done properly and it has come out from fitting plate
- Transformer yard gravel filling is pending. Testing & commissioning is pending.

#### **INSTRUMENTATION WORKS:-**

- ✚ Differential level transmitter installation work pending.
- ✚ Differential level transmitter, Ultrasonic level transmitter, Electromagnetic flow meter commissioning work is pending.

#### **NOTE:-**

- Board indicating all the details of installed equipment should be installed at each unit.
- Safety Board to be installed at proper location.
- KRMPPL Staff is not available at site during the site visit.

**OTHERS:-**

- ❖ Man power need to be increase.
- ❖ Approved drawings should be available at site.
- ❖ KRMPL and UPJN to meet RITES for permission need special and quick attention.
- ❖ Power Supply at Sundar Nagar be taken.
- ❖ OEM should be mobilize for commissioning at top priority

