

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 Representatives as given below.

Date of site visit	04/07/2023
Visit Team & Persons met	Mr. D.K. Gautam ,AE UPJN(Rural) Kanpur Smt. Pooja, AE UPJN(Rural) Kanpur Mr. Rohit Yadav JE UPJN (Rural) Kanpur. Mr. Mahipal Singh ,JE UPJN (Rural) Kanpur Mr. Anil Kumar Seth – Team Leader (I/C), STC Kanpur Mr .Prasoon Bhardwaj – Instrumentation Expert , STC Kanpur Mr. Rahul- Support Engnieer- Electrical , STC Kanpur Mr. Indra Deo Paney- Support Engineer - Civil , STCKanpur ----- Mr. Manobendra ray – Project Manager , KRMPL Kanpur Mr. Raman Kundu – Electrical Engineer , KRMPL Kanpur Mr. Shabaz Khan – Mechanical Engineer , KRMPL Kanpur Mr. Soumitra Samanta – Civil Engineer, KRMPL Kanpur Mr. Abhishek Kumar – Commissioning Engg. KRMPL
LOCATION	STP 30 MLD PANKHA

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.
- 8th milestone was due on 25.03.20223
- Date for STP completion in all respect (NMCG meeting dated 06.02.2023 was 31.03.2023). This was 5th 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

- 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.
- Finishing work should be done properly and final painting be done.

- Plinth protection pending for MPS
- Plaster and finishing work not properly done under the grit chamber area. Specially painting of pipes / valves are pending.
- Shade to cover Inlet sluice valves was in progress. The same is to be done for flow meter.

MECHANICAL WORKS:-

- ❖ At the MPS out of installed 5 no. pumps only 4 no. pumps are in working order. 2nd no. pump has slipped from dug foot bend since long. The work was in progress to set it right
- ❖ Majority of Mechanical equipments testing & commissioning work is pending. OEM should be mobilized for commissioning at top priority & RFI be given.
- ❖ Fine screen preventive maintenance not done properly. Undue noise was found in both the fine screens.
- ❖ One 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 to protect from rains.
- ❖ 2 no. pump pressure switch are not working properly & water leakage from flange.
- ❖ Bypass line shed work is pending.
- ❖ Chlorine system analyzer is not working during the inspection.
- ❖ Service water pump earthing not done properly.
- ❖ Some U-bolt in airline on SBR is pending.
- ❖ Toe guard SBR-2&4 are left for installation in last walkway.
- ❖ Grit no.-2 unit motor is in repair.
- ❖ EOT of Air blower not functional.

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 observations 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 in guard room.
- ❖ Brick work crack at panel room near cable trench to be rectify
- ❖ Tiles and flooring work pending in office and PLC room
- ❖ Extra Exhaust holes to be closed.
- ❖ Checkered plate should be install in panel room over cable trench.
- ❖ Shutter of panel room pending.
- ❖ Gates of office PLC room & gurad room pending.
- ❖ Roof treatment not properly done.
- ❖ Stair construction has not been done properly.
- ❖ Plinths are to be made.

MECHANICAL WORKS:-

- Rising main 800 mm dia. Value installation pending.
- Pressure gauges be checked .All should be functional.
- 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.
- 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.
- ❖ Safety boards be installed at proper places.

(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 .It is sinking from sides.
- ❖ Plinth protection in all units pending.
- ❖ Earthing chambers are found in damage condition. Due to sinking of soil one pole has been tilted .Filling of earth soil is important will compression.
- ❖ 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)
- 2 no teams are deployed for cleaning of sewer line. Total Manpower deployed 16 no on cleaning work. Cleaning detail are given below-
 - Between manhole 334 to 335 (cleaning through W. machine).
 - Out of 120 m length 40 m cleaning works balance.
 - + Between manhole 335 to 338 (cleaning through Hydra).
 - Out of 150 m length 0 m cleaning works balance.
 - + Between manholes 338 to 339 (cleaning manually).
 - Out of 94 m length 0 m cleaning works balance.
 - + Between manholes 339 to 341 (cleaning manually).
 - Out of 70 m length 0 m cleaning works balance.
- + KRMPL 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 work are not done properly at various locations.
- Fire Extinguisher filing date has been expired.
- Canopies are to be made.

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.

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.
-
- Detailed inspection report of instrumentation
Expert is attached.

