

Joint Site Inspection Report of 5 MLD Shuklaganj

Date of Inspection	22/07/2024
STP Site inspection Team	Mr. Anil Kumar seth Mr. Indra Deo Pandey- Support Engineer
KRMPL Personal	Mr. Soham vishwas.

1. Specific Points related to the site inspection

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

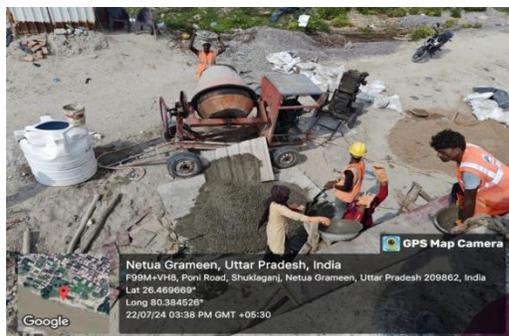
SN	Particular	No. of workers
i.	Skilled	3
ii.	Unskilled	13
	Total	15

- ii. Despite directions given during several NMCG meetings, manpower has not been increased by KRMPL. There is acute shortage of manpower at the Shuklaganj STP since long time.
- 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 78.1%.
- iv. Till date only 6 milestones out of total 8 have been completed.

2. During visits, some issues in construction and quality works of Different units were observed by STC which are as following:

A. I&D Structure-

- i. Work of I&D structure is in progress. Reinforcement & shuttering work of wall in progress. 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. KRMPL has not used proper Clear cover exactly as per design. Due to use of wide range of cover blocks casting of wall by the Concessionaire is not proper.
- iii. Many Joint inspection done by Uttar Pradesh Jal Nigam and PE STC, it was found that the quality of steel being used in the I&D structure was rusted, for which KRMPL has been instructed several times by UPJN & STC through **letters 4088/WS-97/253 dated 30/12/23, 240/WS-97/19 dated 18/01/24, 373/WS-97/27 08/02/24, 508/WS-97/27 08/02/24, 547/WS-97/28 dated 12/02/24, 609/WS-97/29 18/02/24, 1084/WS-97/44 dated 20/03/24, STC/PE/KNP/2166 dated 15/03/24 and STC/PE/KNP dated 2168** to replace it, but KRMPL is not taking action to replace the steel and using the same steel, earlier instructions were given to KRMPL to work as per the approved drawing, but non compliance is being done continuously, which is not appropriate, in such a situation, it will not be possible to measure and make payment for the said work done by KRMPL.
- iv. During the inspection on **22/07/2024** it was found that KRMPL was casting of **250 mm wall of screen channel without informing UPJN & PE STC. And no follow quality norms.**
- v. During the inspection it was found that the wall was to be constructed using **M 30 grade concrete** but it was found that **M 30 grade concrete** was being used in the wall without Ajax and concrete mixer, using a simple mixer and without cubes test.
- vi. In the wall the gap should be b/w steel and shuttering **50 mm** which was found **145 mm.**
- vii. During the inspection it was found that the concrete which make manually was to wet and slump test was collapsed. So quality norms are not being followed by KRMPL.





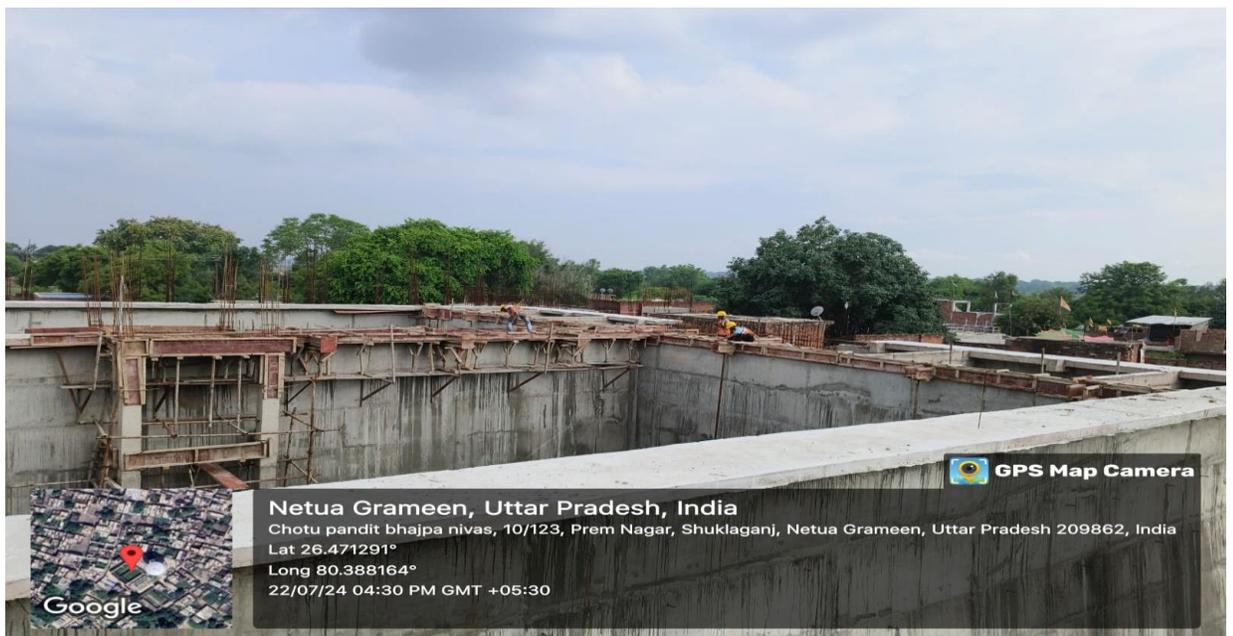
- B. MPS-** At inlet chamber step arrangement and proper footrest have not been provided. Column, beam and slab work is still pending. KRMPL needs to do hydro testing with clear water as per CEPHEEO MANUAL and IS code 3370 in presence of UPJN & STC, before grinding and tar coal epoxy work. During inspection there is no manpower on MPS.



- C. **PTU-** Most of Steel found corroded. 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. Stair costing done and connecting channel column on progress.



- D. **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.



- E. Admin building cum Blower room-** In admin building room first floor 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.



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



- G. Guard Room-** Electric work, plumbing, sanitary fittings, floor, roof treatment, drainage, finishing and painting works are pending. There is no manpower on staff quarter during inspection.



- H. Transformer & DG Yard-** Staircase, finishing, approach and painting works are pending.



- I. 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. During inspection there is no manpower on chlorination building & CCT.



- J. 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.



- K. Centrifuge Building-** First and second floor slab work is pending, column and beam work is in progress. Cracks found in the beam.



- L. **Boundary wall-** 67% work of boundary wall completed. Plaster work of boundary wall is in progress.



M. 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.

- N. There is no any work progress in work of Rising Main, Effluent disposal system, sludge storage platform and.
- O. During inspection UPJN & STC instructed KRMPL to cover the all excavated manhole places with proper safety signals.
- P. **HT panel & metering room-** Footing Reinforcement and shuttering work on progress

