

Joint Site Inspection Report of 5 MLD Shuklaganj

Date of Inspection	14/06/2024
STP Site inspection Team	Mr. Anil Kumar seth Mr. Subhash A.E. UPJN Mr. Ankur Saxena J.E. UPJN Mr. Indra Deo Pandey- Support Engineer
KRMPL Personal	Mr. Saket Singh 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	1
ii.	Unskilled	03
	Total	04

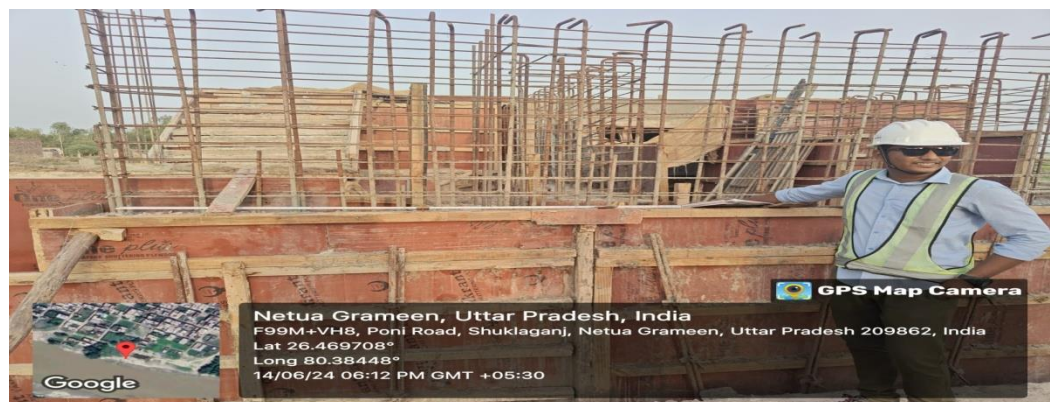
- ii. Despite directions given during several NMCG meetings, manpower has not been increased by KRMPL. There is acute shortage of manpower at the Shuklaganj STP since long time.
- iii. During visit, progress of different STP components was checked as per the approved construction plan and it was found that progress of 05 MLD STP is very slow. Total progress was found 78%.
- 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 & UPJN 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. KRMPL.
- 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. Joint inspection conducted by Uttar Pradesh Jal Nigam and PE STC on 14th June 2024, 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 dated 08/02/24, 508/WS-97/27 dated 08/02/24, 547/WS-97/28 dated 12/02/24, 609/WS-97/29 dated 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 honeycombs and cracks were found at many places in the stairs and wall.
- v. In the third lift of the vertical wall of I&D the lap should be 50 D, which should be 400 mm c/c, which was found 10 mm and 25 mm.
- vi. In the third lift of vertical wall, the thickness of the third steel bar from the bottom was measured by means of vernier caliper and found to be 7 mm and 8 mm respectively.



- 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.



- D. SBR-** In SBR connecting channel, supporting column, walkway platform, RAS & WAS pump platform column, decanter foundation, finishing hydro test are pending. There is no manpower on SBR during inspection.



- 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.



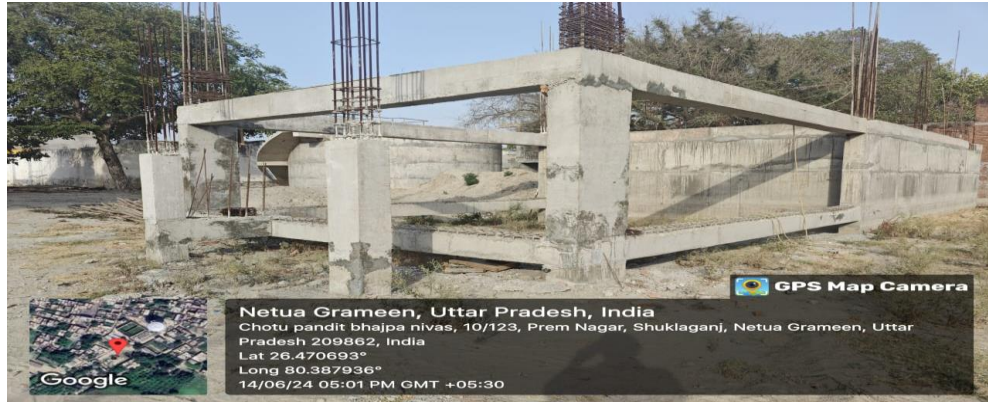
- I. CCT & Chlorination building** - In CCT outlet channel work, finishing of outlet chamber, grinding, finishing and painting works are pending. In building foundation of tonner, Electric work, plumbing, floor, finishing and painting works are pending. Booster pump and fitting pump can be install. During inspection there is no manpower on chlorination building & CCT.



- J. Sludge Thickner & Supernatant Pump-** finishing, painting and hydro testing are pending. Scraper 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-** 60% 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 being done without information to UPJN & STC and without approved drawings, in which the quality of bricks being used was found to be very poor which is not appropriate in the interest of work. In such a situation it would not be possible to measure and make payment for the work done by KRMPL and in view of the quality of the said work, it was also informed through letter **STC/PE/2165/Shuklaganj dated 11/03/24**, despite this KRMPL is getting the work done arbitrarily.

During the inspection it was found that the manhole raft was to be constructed using M 30 grade concrete but it was found that M 30 grade concrete was being used in the raft without Ajax and concrete mixer, using a simple mixer and without cubes test or setting the raft, which is not as per standard. In which the thickness of the raft was found to be 19 cm instead of 30 cm.





- N. There is no any work progress in work of Rising Main, Effluent disposal system, sludge storage platform and HT panel & metering room.
- O. During inspection UPJN & STC instructed KRMPL to cover the all excavated manhole places with proper safety signals.
- P. **Note-** During the joint inspection, it was found that the steel used in grade chamber, collection chamber, screen chamber, approach channel and inlet chamber on the I&D structure is not as per the approved drawing design and the concerned Site Engineer Mr. Sohan Vishwas are making aware of the fact that KRMPL does not have the availability of steel as per the approved design and drawing. KRMPL is not ensuring the availability of material in the execution of the works of the proposed scheme under an important program like Namami Gange, whereas KRMPL is also provided price acceleration money in relation to the invoice to complete the works with quality, in such a situation also not being able to complete the works as per the approved design and drawing shows negligence and indifference towards the works. In such a situation, it will not be possible to measure and make payment for the said work done by KRMPL.

