



PROJECT ENGINEER *for*

National Mission for Clean Ganga- Development, Rehabilitation with
Operation & Maintenance of STPs at Kanpur under Hybrid Annuity based PPP mode

Shah Technical Consultants Private Limited

ADDRESS :117/231 " O" Block Geeta Nagar Near Ram Lila Ground ,Kanpur-208025 Phone -05123571573 E-Mail : pe.kanpurstc@gmail.com

Ref. STC / PE / KNP /1679 / Jajmau Phase I & II

Date : 29.06.2022

To,
SE
Construction circle
Uttar Pradesh Jal Nigam
Kanpur, UP

Sub: HAM KANPUR: Inspection Report of 130 MLD & 43 MLD IPSs and STP Jajmau facilities,
Inspection done on 06.06.2022 and 07.06.2022 and 20.06.2022.

Dear Sir,

Inspection of 130 MLD & 43 MLD STP Jajmau facilities was conducted jointly by NMCG, UPJN, STC and KRMPL team on 06.06.2022. Following NMCG, UPJN, STC & KRMPL officials were present:

1. Mr. G. Ashok Kumar, DG NMCG, New Delhi
2. Mr. D.P Mathuria, ED(T) NMCG, New Delhi
3. Mr. R.K Gupta, S.W.M Expert, NMCG, New Delhi
4. Mr. R.K Sharma, C.E UPJN Kanpur
5. Mr. Janardhan Singh, S.E Gramin UPJN Kanpur
6. Mr. Gyanendra Choudhary, P.M-1, Gramin UPJN Kanpur
7. Mr. Mh. Maaz, P.M(E&M) Gramin UPJN Kanpur
8. Mr. Brajesh Kumar, A.En Civil, UPJN Kanpur
9. Mr. Rajesh Kumar, A.E.n, E&M UPJN Kanpur
10. Mr. Sehjeb Iqbal, J.En Civil UPJN Kanpur
11. Mr. Ashish seyal, J.En E&M UPJN Kanpur
12. Mr. Ankit ,J.En E&M UPJN Kanpur
13. Dr. Giridhar Prabhu Kumar, Team Leader, STC Kanpur
14. Mr. Satish Kamaraju, Process Expert, STC Kanpur
15. Mr. Linga Rao , Safety Expert, STC Kanpur
16. Mr. Ajay Kumar Goyal, Support Engineer Mechanical, STC Kanpur
17. Mr. Rahul Sarwan, STC Kanpur (Support Engineer-Electrical).
18. Mr. Anuj Kushwaha, STC Kanpur (Support Engineer-Civil)
19. Mr. Manobendra Roy, Project Manger KRMPL Kanpur
20. Mr. Anirban Mukhurjee, O&M in charge, KRMPL Kanpur
21. Mr. Akshay Tripathi, Process Expert, KRMPL Kanpur
22. Mr. Shri Krishna 130 MLD Plant incharge, KRMPL Kanpur

HEAD OFFICE: 407, RAHEJA CENTRE, PLOT NO. 214, NARIMAN POINT, MUMBAI – 400 021, INDIA

PHONE : 2287 1061, 2282 0018, 2282 0121

E-Mail : stcmumbai@vsnl.com, stc@stc.co.in

23. Mr. Shriram Saste 43 MLD Plant incharge, KRMPL Kanpur

Inspection of 130 MLD & 43 MLD IPSs Jajmau facilities was conducted jointly by UPJN, STC and KRMPL team on 07.06.2022. Following UPJN, STC & KRMPL officials were present:

1. Mr. Ajeet Singh, J.En Civil, UPJN Kanpur
2. Mr. Mh. Maaz, P.M(E&M) Gramin UPJN Kanpur
3. Mr. Rahul Sarwan, STC Kanpur (Support Engineer-Electrical).
4. Mr. Anuj Kushwaha, STC Kanpur (Support Engineer-Civil)
5. Mr. Shri Krishna 130 MLD Plant incharge, KRMPL Kanpur
6. Mr. Shriram Saste 43 MLD Plant incharge, KRMPL Kanpur

Some major issues which are pending from long back are listed below for IPSs and STPs facilities:

I. 130 MLD STP Jajmau Plant:

1. In PST 01, only plastering work has been started by KRMPL on 25.03.2022, remaining renovation work should be completed by 15.05.2022 but the work was still ongoing as of 06.06.2022. KRMPL needs to arrange adequate nos. of staff for complete renovation work in all respect.
2. During site visit of NMCG DG, excessive sludge was accumulated in the PST 02, which was evident from the gas bubbling and floating sludge. The scraper mechanism and scum removal mechanism have been non-functional from March 2022, NMCG DG directed KRMPL to make PST 02 functional within the following 2 days. UPJN Chemist Ajay Kanojiya informed DG NMCG that KRMPL has not laid new outlet sludge line from primary sedimentation tank. On this, DG NMCG instructed KRMPL to replace outlet sludge line as needed. The new sludge outlet pipeline shall be laid with proper size of pipe and slope of pipe as per approved drawing.
3. During site visit of PE and UPJN official in October 2021, Mechanical screen no.1 tooth was found damaged and misaligned. PE mentioned in their inspection report issued vide PE letter no. 1230 dated 30.10.2021. Rectification work is pending. ED (T) instructed to KRMPL to repair the mechanical screen no. 1 within the 7 days (by 13.06.2022). KRMPL has installed a manual bar screen instead mechanical bar screen on 19.04.2022 that is not acceptable by PE & UPJN. KRMPL has reinstalled mechanical screen 01 and 02 without any prior inspection done by STC and UPJN representatives. Both mechanical screen and conveyor belt found non-operational at the time of inspection. It was started when asked by UPJN/STC representative.
4. KRMPL has not arranged operator, sweepers for primary treatment unit at site.
5. During site visit of NMCG DG found that blending tank, sludge thickener 01 and sludge thickener 02 commissioned and in working condition.

-
6. PE STC and UPJN Chemist Shri Ajay Kanojiya informed that KRMPL has installed 2 nos. of thickened sludge pump after servicing and overhauling instead of new 4 nos. of thickened sludge pump. Project Manager KRMPL informed that KRMPL has purchased new 4 nos. of thickened sludge pump but it will be dispatched 30.06.2022 to Jajmau site. On this DG, NMCG instructed KRMPL installation of old 2 nos. of thickened sludge pumps only on temporary basis, and 4 nos. new pumps should be installed at earliest. ED(T) further instructed to KRMPL that sludge disposal system should be functional by 30 June 2022 with all respect otherwise NMCG will take necessary action against KRMPL.
 7. Adequate power backup needs to be arranged by KRMPL for proper operation of plant during Power shutdowns incidents.
 8. Belt filter press DG NMCG instructed KRMPL to start execution work of belt filter press building at earliest and should be complete before monsoon weather starts.
 9. ED (T) instructed to KRMPL to install flow meter at each specified facilities within the scope of KRMPL. KRMPL was instructed to submit QAP and technical data sheet by 18.04.2022 but they are still pending by KRMPL.
 10. Project Manager KRMPL informed DG NMCG on 06.06.2022 during site visit that KRMPL has repaired outer surface of gas holder 1 and gas holder 2 and completed demolition of MS gas dome. Now civil renovation work is in progress of inside the gas holder after that membrane type gas dome will be fixed. DG NMCG directed KRMPL to complete all the renovation work at earliest.
 11. ED (T) instructed KRMPL during renovation work of replacement of pumps, associated valves and instrumentation needs to be replaced. KRMPL has not taken necessary action.
 12. Grit classifier no.01, 02 and 03 needs to be repaired.
 13. New Organic pumps 01, 02 and 03 are non-operational due to cable termination work.
 14. Solid waste generated from the STP facilities, including, debris from screens, grit from grit classifiers and sludge are not being disposed by KRMPL at the designated location provided by UPJN.
 15. DG, NMCG directed KRMPL to raise final lift of RCC structure 1000mm from FGL and handrails needs to be fixed for Primary sedimentation tanks 01, 02 and 03; Final sedimentation tanks 01, 02 and 03; and Sludge thickeners 01 and 02 at earliest and before monsoon weather starts.
 16. During site inspection, out of 18 aerators nos. 09, 10 and 12 and 15 were found non-functional. 6 Nos. of new aerators should be installed by 15.05.2022 as per instructed by ED (T) during their site visit but KRMPL has not installed them as of 06.06.2022.
 17. Cable trays have not been fixed properly on platform of aeration tank.
 18. Sludge cleaning work of FST 01 was started by KRMPL on 02.04.2022. As per approved plan, its renovation work needed to be completed by 10.05.2022, which is pending KRMPL

compliance to STC's observations in inspection report. DG, NMCG instructed KRMPL to complete the work as per approved plan and once completed, it should be verified by PE and UPJN representatives.

19. Out of 4 Nos. RSPH pumps, 3 Nos. are not in working condition.
20. Cable laying work near RSPH pump house has not been done.
21. Internal electrification work in RSPH pump house has not been started by KRMPL.
22. Out of 11 pumps at TEPH, pump Nos. 02, 07, 06 and 11 are found non-operational and needs to be rectified on urgent basis. Balance new TEPH pumps needs to be installed by KRMPL.
23. Utilities shifting work has not started for the execution work of new TEPH and CCT facilities.
24. ED(T) directed KRMPL to commission Sludge thickener 02 & blending tank by 13.04.2022 but KRMPL did not submit compliance on PE observations vide PE letter no. 1558 dated 14.04.2022. KRMPL has not complied to the PE observations till date.
25. Sludge thickener 01 needs to be commissioned by 15.05.2022 after completing all renovation works.
26. Digester sludge pumps need to be replaced as per approved renovation plan and is pending.
27. Primary Sludge digester no 1, 02, Secondary sludge digester, Gas holder tank 01 and 02 needs to be renovated at earliest as per approved renovation plan.
28. DSPH pumps needs to be replaced as per approved renovation plan.
29. ED (T) instructed KRMPL to avoid excess sludge recirculation by utilizing the available sludge drying beds for sludge wastage. KRMPL needs to submit all sludge disposal quantity with proper documentation within 15 days.
30. Regarding the ongoing utility shifting of MS pipe work, PE STC informed DG NMCG that KRMPL has not done wrapping and coating of inner surface of MS pipe. Chief engineer, UPJN informed DG NMCG that new pole has been fixed and cable shifting work will be completed within 3 days. DG NMCG instructed KRMPL to start execution work of new CCT and TEPH pipeline at earliest and should be completed within fixed timeline.
31. KRMPL has operated only DFG no. 3 and 4 out of 5 Nos, which do not provide 100% backup to STP during power outages. KRMPL has not maintained adequate power backup till date.
32. Approach roads, pathways between units are to be repair / renovation and landscaping works to be done.
33. KRMPL has engaged with sub-contractor, called "ACHME" for supply of Supervisors, Operators and Sweepers. KRMPL need to take necessary approval From UPJN as per CA Article 8.3(a) and (b). Supervisors, operators provided by Vendors are not suitably skilled or have relevant experiences needed for their respective roles.

II. 43 MLD STP Jajmau phase-II facilities:-

1. Auto system for mechanical screen needs to be installed at 43 MLD STP Jajmau.
2. DG, NMCG found that biological treatment was in upset condition due to sludge removal issue and insufficient aeration. KRMPL has not maintained optimum MLSS, MLVSS, SVI, DO. Biosolids in Aeration tank had turned black colour instead of brownish activated sludge. Sludge removal has been inadequate from Primary sedimentation tank, Sludge thickener, sludge digester, thickened sludge pumps non functional and its affecting process of 43 MLD STP Jajmau. Also, 2 out of 3 blowers are non-functional and so there is also insufficient aeration at the aeration tanks. KRMPL to take necessary action and bring the STP to compliance at the earliest.
3. DG NMCG instructed KRMPL to take sampling of inlet and outlet from each of the process units separately for performance improvement and to meet the KPIs of the Plant.
4. ED (T) instructed KRMPL to arrange temporary chlorination system (until CCT of 130 MLD STP is ready to take flows from 43 MLD STP) to control fecal coliform within prescribed limit as per UPPCB for 43 MLD STP Phase –II Jajmau. KRMPL has not arranged temporary chlorination / disinfection system at site.
5. Both mechanical screen and conveyor belt were found non-operational at the time of inspection. It was started when asked by UPJN/STC representative. No operator & sweeper were available at site during site visit of UPJN and PE officials. This malpractice is not acceptable.
6. Totalizer reading of parshall flume was found not reliable. Calibration report and power backup needs to be provided by KRMPL. Additionally, flow level scale are needs installed at the Parshall flume channel wall.
7. Grit classifier system is not properly operational to efficiently remove the grit.
8. Weir plates were not available and to be installed in Grit chamber.
9. Primary sludge wastage is not adequate due to which excessive gas bubbles were found on the surface of the clarifier.
10. Power backup for Flow meter need to be installed at 43 MLD STP Jajmau.
11. KRMPL has not fixed open channel flow meter properly and needs to be corrected.
12. The sludge thickener operation needs immediate attention since the supernatant from the thickener is having heavy solids carryover into the PST inlet distribution chambers and overloading the PST system.
13. The sludge digester has been taken offline since handover dated 25.08.2022 and it was found that the sludge is being diverted to sludge holding ponds which are filled and to be emptied.
14. Air blower no. 2 and No. 3 needs to be repair on urgent basis.

-
15. Membrane type diffuser 4 Nos. of sets found damaged out of 440 Nos. of sets.
 16. In RSPH, waste activated sludge pump no. 3 needs to be repaired on urgent basis.
 17. RTLOMS needs to be arrange by KRMPL.
 18. All pumps required hour meters to be installed to track the actual operating hours.
 19. Deployment of adequate number, well qualified and experienced staff for STP required.
 20. KRMPL has engaged with sub-contractor, called “ACHME” for supply of Supervisors, Operators and Sweepers. KRMPL need to take necessary approval From UPJN as per CA Article 8.3(a) and (b). Supervisors, operators provided by Vendors are not suitably skilled or have relevant experiences needed for their respective roles.
 21. Approach roads, Access ways between units are to be repair / renovation and Landscaping works to be done.
 22. TSPH pumps no. 1 needs to be repaired.

III. Parmiya IPS:

1. Overflow condition at Parmiya IPS noticed.
2. Both mechanical screen and conveyor belt found non-operational at the time of inspection. It was started when asked by UPJN/STC representative. This malpractice is not acceptable. Auto system for mechanical screens to be installed / repaired.
3. Auto starter for DG set needs to be installed.
4. Raw sewage pump no. 4 has been non-functional since 07.06.2022; KRMPL needs to repair on urgent basis.
5. RTOLMS needs to be installed by KRMPL.
6. Level sensors are non-operational since handover for Parmiya IPS.
7. Raw sewage pump no. 3 needs to be repaired on Parmiya IPS.
8. Calibration of instrumentation needs to be done at Parmiya IPS and Calibration report is to be submitted to PE & UPJN.
9. Negligence in Fire safety found - Fire extinguishers are expired. Sand buckets were not available at site.
10. Material Inward and outward registers have not been maintained properly.
11. Logbooks of pumps and DG set were not being maintained.
12. Diesel quantity record of DG set was not available at site.
13. KRMPL has not arranged adequate number of staff (Operators, Sweepers and relievers) for proper O&M of IPS. Attendance register was not found to be reliable due to manipulation of staff entry / exit and shift information.
14. KRMPL has engaged with sub-contractor, called “ACHME” for supply of Supervisors, Operators and Sweepers. KRMPL need to take necessary approval From UPJN as per CA Article 8.3(a) and (b). Supervisors, operators provided by Vendors are not suitably skilled or have relevant experiences needed for their respective roles.

IV. Shishamau IPS:-

1. Mechanical screen No.01 repaired on 07.05.2022. Mechanical screen No. 02 and panel needs to be repaired for Shishamau IPS.
2. Auto starter for DG set needs to be installed by KRMPL.
3. RTOLMS needs to be installed by KRMPL.
4. CCTV cameras need to be installed at all sites for safety and monitoring of site activities.
5. Calibration of flowmeter is still pending and to be done on priority.
6. Raw sewage pump no.05 repaired on 03.06.2022. Raw sewage pump no. 6 is under maintenance since 02.06.2022. KRMPL needs to repair it on urgent basis.
7. Panels, Voltmeter and Ammeters are not in working condition.
8. Material Inward and outward registers have not been maintained properly.
9. KRMPL has not being maintained flow records from flow meter.
10. Logbooks of pumps and DG set were not being maintained.
11. Diesel quantity record of DG set was not available at site.
12. KRMPL has not arranged adequate number of staff (Operators, Sweepers and relievers) for proper O&M of IPS. Attendance register was not found to be reliable due to manipulation of staff entry / exit and shift information.
13. KRMPL has engaged with sub-contractor, called "ACHME" for supply of Supervisors, Operators and Sweepers. KRMPL need to take necessary approval From UPJN as per CA Article 8.3(a) and (b). Supervisors, operators provided by Vendors are not suitably skilled or have relevant experiences needed for their respective roles.

V. Nawabganj IPS:-

1. Overflow condition found during inspection.
2. Raw sewage pump no. 3 found non-functional from 27.05.2022. KRMPL needs to repair it on urgent basis.
3. Sludge cleaning work of receiving chamber 02 has been done by KRMPL. Now KRMPL needs to complete the repairing work on urgent basis.
4. All Pumps need to be replaced of pump house No.1 under renovation.
5. KRMPL has arranged sub- contractors (Supervisors, Operators and sweepers) from vendor
6. Auto starter for DG set needs to be installed by KRMPL.
7. RTOLMS needs to be installed by KRMPL.
8. All Pumps need to be replaced of pump house No.2 under renovation.
9. Raw sewage pumps, 3 Nos. of Pump House No. 2 were damaged due to flooding on 18.01.2022. They were refurbished/ repaired and delivered to site on 15.02.2022. Raw sewage pumps and Motors of Pump house No. 2 were found at site. KRMPL has supplied partially valves on 08.04.2022. KRMPL has not installed them yet.
10. Flow meter needs to install at site by KRMPL.
11. Diesel quantity record of DG set was not available at site.
12. KRMPL needs to installed auto switch system.

-
13. Panels, Voltmeter and Ammeters are not in working condition.
 14. Material Inward and outward registers has not maintained properly by KRMPL.
 15. Log book of pumps and DG set are not being maintained by KRMPL.
 16. KRMPL has not arranged adequate number of staff (Operators, Sweepers and relievers) for proper O&M of IPS. Attendance register was not found to be reliable due to manipulation of staff entry / exit and shift information.
 17. KRMPL has engaged with sub-contractor, called "ACHME" for supply of Supervisors, Operators and Sweepers. KRMPL need to take necessary approval From UPJN as per CA Article 8.3(a) and (b). Supervisors, operators provided by Vendors are not suitably skilled or have relevant experiences needed for their respective roles.

VI. Parmat IPS:

1. In pump house No. 02, pump no. 1 and 3 found non-operational.
2. During site visit of ED (T) on 12.04.2022 at Jajmau campus it was directed to UPJN to conduct a joint survey plan with Jal Kal, KRMPL and STC team to explore the interconnected pipelines layout and gather other information needed for renovation of Pump house no. 03.
3. KRMPL needs to install auto switch system.
4. Balance civil renovation work need to be done by KRMPL.
5. During site visit of ED (T), KRMPL was instructed to install flowmeter at site.
6. Logbook of pumps and DG set are not being maintained by KRMPL.
7. Panels, Voltmeter and Ammeters are not in working condition.
8. Material Inward and outward registers has not maintained properly by KRMPL.
9. KRMPL has not arranged adequate number of staff (Operators, Sweepers and relievers) for proper O&M of IPS. Attendance register was not found to be reliable due to manipulation of staff entry / exit and shift information.
10. KRMPL has engaged with sub-contractor, called "ACHME" for supply of Supervisors, Operators and Sweepers. KRMPL need to take necessary approval From UPJN as per CA Article 8.3(a) and (b). Supervisors, operators provided by Vendors are not suitably skilled or have relevant experiences needed for their respective roles.

VII. Baba Ghat IPS:

1. Raw sewage pump no 1 found non-functional since 02.06.2022. KRMPL needs to repair it at earliest.
2. During site visit of ED (T) on 12.04.2022 it was directed to KRMPL to install flow meter at site at earliest but KRMPL has not taken any action.
3. Material Inward and outward registers has not maintained properly by KRMPL.
4. KRMPL has arranged sub- contractors (Supervisors, Operators and sweepers) from vendor "ACHME". KRMPL need to take necessary approval From UPJN as per CA Article 8.3(a) and (b).Supervisors, Operators taken by Vendors and they are not suitably skilled and relevant experiences.

-
5. Logbooks of pumps and DG set are not being maintained by KRMPL.
 6. KRMPL has not arranged adequate number of staff (Operators, Sweepers and relievers) for proper O&M of IPS. Attendance register was not found to be reliable due to manipulation of staff entry / exit and shift information.
 7. KRMPL has engaged with sub-contractor, called "ACHME" for supply of Supervisors, Operators and Sweepers. KRMPL need to take necessary approval From UPJN as per CA Article 8.3(a) and (b). Supervisors, operators provided by Vendors are not suitably skilled or have relevant experiences needed for their respective roles.

VIII. Guptar Ghat IPS:-

1. Both mechanical screen and conveyor belt found non-operational at the time of inspection. Only mechanical screens were started when asked by UPJN/STC representative. This malpractice is not acceptable. Chain of conveyor belt was not available.
2. Balance civil renovation work need to be done by KRMPL.
3. KRMPL has arranged sub- contractors (Supervisors, Operators and sweepers) from vendor "**ACHME**". KRMPL need to take necessary approval From UPJN as per CA Article 8.3(a) and (b).Supervisors, Operators taken by Vendors and they are not suitably skilled and relevant experiences.
4. Flowmeter found non-functional during site visit.
5. DG set found non-functional at the time of inspection.
6. Diesel stock drum was also not available at site.
7. Damaged handrails have not been replaced by KRMPL and are long pending.
8. Logbooks of pumps and DG set are not being maintained by KRMPL.
9. Material Inward and Outward registers have not been maintained properly by KRMPL.
10. KRMPL has not arranged adequate number of staff (Operators, Sweepers and relievers) for proper O&M of IPS. Attendance register was not found to be reliable due to manipulation of staff entry / exit and shift information.
11. KRMPL has engaged with sub-contractor, called "ACHME" for supply of Supervisors, Operators and Sweepers. KRMPL need to take necessary approval From UPJN as per CA Article 8.3(a) and (b). Supervisors, operators provided by Vendors are not suitably skilled or have relevant experiences needed for their respective roles.

IX. CSPS Jajmau:

1. Adequate Power backup need to be arranged.
2. Flowmeter needs to be installed.
3. CCTV needs to be installed for security and monitoring site activities.
4. Balance civil renovation work needs to be done by KRMPL.
5. Raw sewage Pump no. 02 and 06 needs to be repaired on urgent basis.
6. Leakages of raw sewage pump nos. 05, 04 and 03 needs to be repaired on priority.
7. Material Inward and Outward registers has not maintained properly by KRMPL.

8. Approach roads, Access ways between units are to be repair / renovation and Landscaping works to be done.
9. DG log book, Kwh readings and diesel consumption register are not being maintained by KRMPL.
10. KRMPL has not arranged adequate number of staff (Operators, Sweepers and relievers) for proper O&M of IPS. Attendance register was not found to be reliable due to manipulation of staff entry / exit and shift information.
11. KRMPL has engaged with sub-contractor, called "ACHME" for supply of Supervisors, Operators and Sweepers. KRMPL need to take necessary approval From UPJN as per CA Article 8.3(a) and (b). Supervisors, operators provided by Vendors are not suitably skilled or have relevant experiences needed for their respective roles.

Your kind attention is required at the "Original Date of Issue" for long pending items and instructs the Concessionaire to submit the compliance report for compliance of all issues / deficiencies as indicated in the inspection report.

Encl:

1. Inspection report of 130 MLD STP
2. Inspection report of 43 MLD STP
3. Inspection report of IPSs of 130 & 43 MLD
4. Inspection report of CSPS Jajmau

Yours sincerely



(Dr. Giridhar Prabhukumar)
Team Leader, STC Kanpur

Copy to the following for information & necessary action:

1. Mr. Rajat Gupta , SWMS,NMCG, New Delhi
2. Ms. Nidhi Dwivedi, Project officer (Technical),NMCG, New Delhi
3. Chief Engineer, Kanpur Zone, UP Jal Nigam, Kanpur.
4. PM-I &PM-E&M, GPCU, UP Jal Nigam, Kanpur.
5. Mr. P.C. Shukla, Concessionaire's Representative
6. Project Manager, Kanpur River Management Pvt. Ltd., Kanpur.
7. O&M in charge, Kanpur River Management Pvt. Ltd., Kanpur.







SITE INSPECTION REPORT

Jajmau STP -
130 MLD

Date: 05.05.2022

INSPECTED BY:
UPJN Team
1. Mr. Gyanendra Choudhary, P.M-1, UPJN Kanpur
2. Mr. Brajesh Mourya, Aen, Civil UPJN Kanpur
STC Team
1. Mr. J.P. Tripathi, O&M expert, STC Kanpur
2. Mr. Anuj Kishwaha, Support engineer civil, STC Kanpur
3. Mr. Rahul Sawan, Support engineer, Electrical, STC Kanpur
KRMPL Team
1. Mr. Anirban mukherjee, O&M incharge, KRMPL
2. Mr. Akshay Tripathi, Process Engineer, KRMPL

S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
A	Collection Chamber	Renovation work need to be done by KRMPL.		<ol style="list-style-type: none"> 1. All gates to be repalced. 2. Repairing work of free board of this chamber found very poor this must be repaired. 3. Renovation to be completed without getting approval ,testing & commissioning. 4. Handrailing need to be replaced. 	01.03.2021		Pending
1	Inlet Chamber (Civil)	Needs to be renovated in all respects.		<ol style="list-style-type: none"> 1. Hand Railing and its foundation needs to be repaired. 2. Finishing work of inlet chamber chamber need to done properly . 	01.03.2021		Lond pending
2	Gates /Valves and Covering Shed	Need Overhauling / Replacement		<ol style="list-style-type: none"> 1. Gate may be motorized if possible 2. Hand railing to be replaced . 3. Shed to be replace. 	01.03.2021		Pending
B	Fine Screen Chamber (Mechanical / Manual)						
3	Screen Chamber (Civil)	Need Renovation		<ol style="list-style-type: none"> 1. KRMPL need to arrange sufficient poer backup to operate the mechanical scree. Garbages like Plastic bags,leather pieces, clothes must be removed from Belt conveyyor of Screen Chamber regularly. Removal of garbages should be taken seriously. 2. Need to be replaced the Sluice gates. 3. Proper Lighting need to be provided at Screen area. 4. Level scale should be properly clean and marking should be clearly visible. 5. MS Fabrication equipment & tools along with MS Shed also corroded & losses its strength. 6. In MS shed pipes are corroded & Colour of shed also worn out. 7. Mechanical Screen is not working with auto system and without sensor .Need to be fixed the auto system immediately. 8. New Cables should be laid properly in cable trays. 9. Handrailing need to be replace. 10. CCTV cameras are not functional. 11. Log Book need to be maintained. 	01.03.2021		Lond pending
4	Mechanical Fine Screen no. 1	Functional		<ol style="list-style-type: none"> 1. Mechanical Fine Screen are need to be installed as per approved drawing. 2. Mechanical screen of teeth are damaged , KRMPL has not been repaired. 3. Screen erection/ installation work is not verified by STC . 4. Mechanical Screen not working with auto system and without sensor, need to be fixed the auto system immediately. 5. Procedure of screens has not been submit by KRMPL. 6. Without getting approval for shut down and charging the Raw sewage for the same work. KRMPL has not been submitted any approval. 7. Autosystem and level sensor meter has not been installed by KRMPL till date. 	23.11.2021		Pending






SITE INSPECTION REPORT

Jajmau STP -
130 MLD

Date: 05.05.2022

INSPECTED BY:
UPJN Team
1. Mr. Gyanendra Choudhary, P.M-1, UPJN Kanpur
2. Mr. Brajesh Mourya, Aen, Civil UPJN Kanpur
STC Team
1. Mr. J.P. Tripathi, O&M expert, STC Kanpur
2. Mr. Anuj, Kashiwaha, Support engineer civil, STC Kanpur
3. Mr. Rahul Sawan, Support engineer, Electrical, STC Kanpur
KRMPL Team
1. Mr. Anirban mukherjee, O&M Incharge, KRMPL
2. Mr. Akshay Tripathi, Process Engineer, KRMPL

S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
5	Mechanical Fine Screen no. 2	Functional		1. Mechanical screen of teeth are damaged , KRMPL has not been repaired. 2. Mechanical Fine Screen are need to be installed as per approved drawing. 3. Screen needs to be clean periodically depends on the sewage. 4. Mechanical Screen is not working with auto system and without sensor .Need to be fixed the auto system immediately. 5. New Cables should be laid properly in cable trays. 6. Autosystem and level sensor meter has not been installed by KRMPL till date.	23.11.2021		Pending
6	Mechanical Fine Screen no. 3	Functional		1. Mechanical Fine Screen are need to be installed as per approved drawing. 2. Screen erection/ installation work is not verified by STC . 3. Mechanical Screen not working with auto system and without sensor, need to be fixed the auto system immediately. 4. Procedure of screens has not been submit by KRMPL. 5. Without getting approval for shut down and charging the Raw sewage for the same work. KRMPL has not been submitted any approval. 6. Autosystem and level sensor meter has not been installed by KRMPL till date.	23.11.2021		Pending
7	Manual Screen no. 1	Operated		1. KRMPL has been installed GI anchor fasteners in submergence condition for screen. Need to be replaced SS316/SS304 anchor fastener. 2. KRMPL without getting approval for shut down and charging the Raw sewage for the same work. KRMPL has not been submitted any approval.	23.11.2021		Pending








SITE INSPECTION REPORT

Jajmau STP -
130 MLD

Date: 05.05.2022

INSPECTED BY:
UPJN Team
1. Mr. Gyanendra Choudhary, P.M-1, UPJN Kanpur
2. Mr. Brajesh Mourya, Aen, Civil UPJN Kanpur
STC Team
1. Mr. J.P. Tripathi, O&M expert, STC Kanpur
2. Mr. Anuj Kushwaha, Support engineer civil, STC Kanpur
3. Mr. Rahul Sawan, Support engineer, Electrical, STC Kanpur
KRMPL Team
1. Mr. Anirban mukherjee, O&M Incharge, KRMPL
2. Mr. Akshay Tripathi, Process Engineer, KRMPL

S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
C	Grit Chamber						
8	Grit Chamber	Renovation work done by KRMPL.		1. Outer side painting work in progress in Grit Chamber 03. 2. Log Book need to be maintained. 3. Handrails need to be provided by KRMPL. 4. Flooring need to be done by KRMPL.	01.03.2021		Lond pending
9	Grit Mechanism-1	Operational		1. Renovation work found satisfactory. 2. Organic pump need to be installed as per approved drawing. 3. Cable need to be layed at Cable tray as per approved drawing. 4. LPBS need to be installed as per approved drawing. 5. KRMPL without getting approval for shut down and charging the Raw sewage for the same work. KRMPL has not been submitted any approval. 6. KRMPL has not been submitted installation procedure for Grit Mechanism System.	01.03.2021		Lond pending
10	Grit Mechanism-2			1. Renovation work found satisfactory. 2. Organic pump need to be installed as per approved drawing. 3. Cable need to be layed at Cable tray as per approved drawing. 4. LPBS need to be installed as per approved drawing. 5. KRMPL without getting approval for shut down and charging the Raw sewage for the same work. KRMPL has not been submitted any approval. 6. KRMPL has not been submitted installation procedure for Grit Mechanism System.	01.03.2021		Lond pending
11	Grit Mechanism-3			1. KRMPL need to provide proper excess to Grit mechanism platform. 2. Renovation in screw conveyor channel is pending. 3. KRMPL without getting approval for shut down and charging the Raw sewage for the same work. KRMPL has not been submitted any approval. 4. KRMPL has not been submitted installation procedure for Grit Mechanism System. 5. KRMPL has not submitted any RFI's (Request for Inspection).	01.03.2021		Lond pending
12	Grit Classifier -1			1. Not in working due to foundation damage. 2. Need to be repair immediately and to be replace as per the CA 3. Grit Classifier alignment has not been done by KRMPL as per approved drawing. 4. Organic pump need to be replaced as per approved drawing.	01.03.2021		Lond pending








SITE INSPECTION REPORT

Jajmau STP -
130 MLD

Date: 05.05.2022

INSPECTED BY:
UPJN Team
1. Mr. Gyanendra Choudhary, P.M-1, UPJN Kanpur
2. Mr. Brajesh Mounya, Aen, Civil UPJN Kanpur
STC Team
1. Mr. J. P. Tripathi, O&M expert, STC Kanpur
2. Mr. Anuj, Kushwaha, Support engineer civil, STC Kanpur
3. Mr. Rahul Sawan, Support engineer, Electrical, STC Kanpur
KRMPL Team
1. Mr. Anirban mukherjee, O&M incharge, KRMPL
2. Mr. Akshay Tripathi, Process Engineer, KRMPL

S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
13	Grit Classifier -2	Non-operational		1. Not in working due to foundation damage. 2. Need to be repaired immediately and to be replaced as per the CA 3. Grit Classifier alignment has not been done by KRMPL as per approved drawing. 4. Organic pump needs to be replaced as per approved drawing.	01.03.2021		Long pending
14	Grit Classifier -3			1. Not in working due to foundation damage. 2. Need to be repaired immediately and to be replaced as per the CA 3. Grit Classifier alignment has not been done by KRMPL as per approved drawing. 4. Organic pump needs to be replaced as per approved drawing.	01.03.2021		Long pending
D	Parshall flume and flow meter						
16	Parshall Flume and Flow Channel (Civil)	Structure renovation work done		1. Painting procedure has not been submitted by KRMPL. 2. Channel renovation work done but hydrotest of this channel is pending. 3. Level scale needs to be installed for proper flow measurement.	23.11.2021		Pending
18	Flow meter	Operational		1. Power backup arranged by KRMPL 19.02.2022. 2. Flow meter found working and under trial run. 3. Glass door needs to be installed for Flow meter 4. Commissioning has not been completed yet. 5. Cable needs to be laid properly in cable tray and conduit pipe. 6. Log Book needs to be maintained. 7. Factory calibration report has not been submitted by KRMPL.	23.11.2021		Pending
E	Distribution Chamber -1			1. Distribution chamber for Primary sedimentation tank partially done by KRMPL. 2. Inside RCC wall, base and platform required renovation work. 3. Railing and its foundation needs to be replaced. 4. Reinforced exposed and needs to be repaired. 5. All Sluice gate needs to be replaced. 6. Cable trench depth should be as per IS code. 7. Earthing laying should be as per IS code.	01.03.2021		Long Pending



SITE INSPECTION REPORT

Jajmau STP -
130 MLD

Date: 05.05.2022

INSPECTED BY:
UPJN Team
1. Mr. Gyanendra Choudhary, P.M-1, UPJN Kanpur
2. Mr. Brajesh Mourya, Aen, Civil UPJN Kanpur
STC Team
1. Mr. J.P. Tripathi, O&M expert, STC Kanpur
2. Mr. Anuj Kushwaha, Support engineer civil, STC Kanpur
3. Mr. Rahul Sawan, Support engineer, Electrical, STC Kanpur
KRMPL Team
1. Mr. Anirban mukherjee, O&M incharge, KRMPL
2. Mr. Akshay Tripathi, Process Engineer, KRMPL

S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
19	Civil works			1. Cleaning and renovation work to be done in DC1 2. Pole light found damage and needs to be replace.	01.03.2021		Long Pending
20	Gates (3 in nos)	Non-Operational / Needs to be replaced		1. Operational wheel found missing ad needs to install for proper operation of the gates. 2. Damaged precast salbs need to be replaced. 3. All Sluice gate need to be replaced.	01.03.2021		Long Pending
F	Primary Sedimentation tank				01.03.2021		Long Pending
21	Primary Sedimentation tank-1	Non-Operational		1. KRMPL has statred sludge removal work from 26.02.2022. 2. Outer surface Plastering and finishing work to be done at PST1. 3. PST 01 mechanism need to be replace. 4. Remote system to be installed for PST1. 5. Cable to be laid in cable tray. 6. Log Book need to be maintained.	01.03.2021		Long Pending
22	Primary Sedimentation tank-2	Non-Operational		1. KRMPL need to arrange proper power backup to operate the Primary sedimentation tank 02. 2. PST commisioned 29.01.2022 and bioremediation started from after commisioned. 3. KRMPL has not arrange primary sludge withdrawal from PST 02. these all effects the sludge was stacked in tank and their scraper mechanism got burst. Thier scum removal syatem also not in working condition from 29.01.2022. KRMPL needs to take necessary action.	01.03.2021		
23	Primary Sedimentation tank-3	Operational		1. KRMPL need to arrange proper power backup to operate the Primary sedimentation tank 03 2. Plastering and finishing work to be done at PST-3. 3. Weir plate to be replaced at damaged portion. 4. PST-3 mechanism to be replaced and install. 5. Remote system to be installed for PST-3. 6. Cable to be laid in cable tray. 7. Log Book need to be maintained. 8. Bioremediation started form 28.01.2022	01.03.2021		Long Pending
G	Distribution Chamber -2						
24	Civil works	Renovation work and finsihing work to be done		1. Cleaning work need to be done in Distribution chaber 02 2. Renovation of inside and outside of this chamber need to be done by KRMPL.	01.03.2021		Long pending



SITE INSPECTION REPORT

Jajmau STP -
130 MLD

Date: 05.05.2022

INSPECTED BY:
UPJN Team
1. Mr. Gyanendra Choudhary, P.M-1, UPJN Kanpur
2. Mr. Brajesh Mourya, Aen, Civil UPJN Kanpur
STC Team
1. Mr. J. P. Tripathi, O&M expert, STC Kanpur
2. Mr. Anuj Kushwaha, Support engineer civil, STC Kanpur
3. Mr. Rahul Sawan, Support engineer, Electrical, STC Kanpur
KRMPL Team
1. Mr. Anirban mukherjee, O&M incharge, KRMPL
2. Mr. Akshay Tripathi, Process Engineer, KRMPL

S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
25	Gates (3 in nos)	Need to be replace		1. All Sluice gate need to be replaced. 2. Operational wheel to be install for each Gate.	01.03.2021		Long pending
H	Aeration tank	Operational 14 aerators out of 18		1. KRMPL need to arrange sufficient power backup to operate all aerators. 2. Cracks repairing work done by KRMPL only for outer side of wall. 3. In Aeration Tank platform Slab, where machine is mounted vibrated tremendously, Slab & beam strengthening is required to increase weight of Unit 4. Increasing weight of RCC member's vibration will be controlled. 5. KRMPL Instructed to submit the structural strengthening Methodology for Aeration Tank . 6. Aeration Inlet and outlet gates need to be replace . 7. Foundation plate need to be painted. 8. Cable gland need to be fixed in the Pump termination Box. 9. Log Book need to be maintained.	01.03.2021		Long Pending
26	Aeration Tank no. 01 (Civil Works)	Structure found in poor condition and needs to be rehabilitate		1. Renovation work of outer side is in progress in Aeration Tank 01 2. Columns need to be renovation. 3. Walkway to be strengthen and repaired. 4. New Hand railing need to be installed on walkway. 5. GAD of Hand railing and material certificate of hand railing needs to be furnished. 6. Base plate of Hand railing needs to be blasting and painting after approval from UPJN. 7. Certify the tie of anchors and fastening. (Nuts/bolts)	01.03.2021		Long Pending
27	Aerator no. 1	Operational		1. All 6 Nos Aerators replaced by KRMPL. 2. New cable need to be installed with new cable gland. 3. Canopies to be installed on the top of motors. 4. LPBS system need to be install at site . 5. Foundation plate need to be painted. 6. Cable gland need to be fixed in the Pump termination Box.	23.11.2021		Pending
28	Aerator no. 2	Operational					
29	Aerator no. 3	Operational					
30	Aerator no. 4	Operational					
31	Aerator no. 5	Operational					
32	Aerator no. 6	Operational					
33	Aeration Tank no. 02 (Civil Works)	Structure found in poor condition and needs to be rehabilitate		1. Renovation work of outer side is in progress in Aeration Tank 02 2. Columns need to be renovate.. 3. Walkway to be strengthen and repaired. 4. New Hand railing need to be installed on walkway. 5. GAD of Hand railing and material certificate of hand railing needs to be furnished. 6. Base plate of Hand railing needs to be blasting and painting after approval from UPJN. 7. Certify the tie of anchors and fastening. (Nuts/bolts). 8. Cable need to be laid in cable tray. 9. LPBS system to be install at site	01.03.2021		Long Pending
34	Aerator no. 7	Operational		1. Aerators need to be replaced. 2. Canopies to be installed on the top of motors. 3. Cable to be laid in cable tray. 4. LPBS system to be install at site . 5. Foundation plate need to be painted. 6. Cable gland need to be fixed in the Pump termination Box.	10.12.2021		pending
35	Aerator no. 8	Operational					
36	Aerator no. 9	Non-operational					
37	Aerator no. 10	Non-operational					
38	Aerator no. 11	Operational					
39	Aerator no. 12	Non-operational					
40	Aeration Tank no. 03 (Civil Works)	Structure found in poor condition and needs to be rehabilitate		1. Renovation work of outer side is in progress in Aeration Tank 03 2. Columns need to be reinforced. 3. Walkway to be strengthen and repaired. 4. New Hand railing need to be installed on walkway. 5. GAD of Hand railing and material certificate of hand railing needs to be furnished. 6. Base plate of Hand railing needs to be blasting and painting after approval from UPJN. 7. Certify the tie of anchors and fastening. (Nuts/bolts). 8. Cable need to be laid in cable tray. 9. LPBS system to be install at site	01.03.2021		Long Pending








SITE INSPECTION REPORT

Jajmau STP -
130 MLD

Date: 05.05.2022

INSPECTED BY:
UPJN Team
1. Mr. Gyanendra Choudhary, P.M-1, UPJN Kanpur
2. Mr. Brajesh Mourya, Aen, Civil UPJN Kanpur
STC Team
1. Mr. J.P. Tripathi, O&M expert, STC Kanpur
2. Mr. Anuj, Kishwaha, Support engineer civil, STC Kanpur
3. Mr. Rahul Sawan, Support engineer, Electrical, STC Kanpur
KRMPL Team
1. Mr. Anirban mukherjee, O&M incharge, KRMPL
2. Mr. Akshay Tripathi, Process Engineer, KRMPL

S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
41	Aerator no. 13	Operational		1. Aerators need to be replaced. 2. Canopies to be installed on the top of motors. 3. Cable need to be laid in cable tray. 4. LPBS system to be install at site	01.03.2021		Long Pending
42	Aerator no. 14	Operational					
43	Aerator no. 15	Non-operational					
44	Aerator no. 16	Operational					
45	Aerator no. 17	Operational					
46	Aerator no. 18	Operational					
I	Distribution Chamber -3						
47	Civil works	To be renovated		1. Cleaning and finishing work to be done in this chamber. 2. Railing to be replaced / repaired	01.03.2021		Long Pending
48	Gates (3 in nos)	Operated		1. All gates need to be replaced. 2. Damaged precast salbs need to be replaced.	01.03.2021		Long Pending
J	Final Sedimentation Tank						
49	Final Sedimentation Tank no.1	Non-operational from 15.01.2022		1. FST no. 1 Mechanical Bridge collapsed on 15.01.2022. 2. Outlet channel blocking work of Final sedimentation tank no. 1 on 05.02.2022 3. Plastering and finishing work to be done at FST-1. 3. FST 01 equipments need to be replaced. 4. Remote system to be installed for FST-1. 5. Cable need to be laid in cable tray. 6. Log Book need to be maintained. 7. E&M materials has not supplied by KRMPL for renovation work	01.03.2021		Long Pending
50	Final Sedimentation Tank no.2	Operational		1. KRMPL need to arrange sufficient power backup to operational Final sedimentation tank 02. 2. FST 02 commissioned on 05.02.2022.	05.02.2022		Pending
51	Final Sedimentation Tank no.3	Operational		1. KRMPL need to arrange sufficient power backup to operational Final sedimentation tank 02. 2. Plastering and finishing work to be done at FST-3. 3. FST 03 equipments need to be replaced. 4. LPBS system to be installed for FST-3. 5. Cable need to be laid in cable tray. 6. E&M materials has not supplied by KRMPL for renovation work.	01.03.2021		Long Pending







SITE INSPECTION REPORT

Jajmau STP -
130 MLD

Date: 05.05.2022

INSPECTED BY:
UPJN Team
1. Mr. Gyanendra Choudhary, P.M-1, UPJN Kanpur
2. Mr. Brajesh Mourya, Aen, Civil UPJN Kanpur
STC Team
1. Mr. J.P. Tripathi, O&M expert, STC Kanpur
2. Mr. Anuj Kishwaha, Support engineer civil, STC Kanpur
3. Mr. Rahul Sawan, Support engineer, Electrical, STC Kanpur
KRMPL Team
1. Mr. Anirban mukherjee, O&M Incharge, KRMPL
2. Mr. Akshay Tripathi, Process Engineer, KRMPL

S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
K	Treated Effluent Pump House	Operational		1. KRMPL need to arrange sufficient power backup to operate all TEPH pumps. 2. New Treated effluent pump house has already been proposed in CA and needs to keep this pump house in working condition till the renovation period. 3. Civil Drawing of pump foundation not submitted by KRMPL for Renovation work. 4. Out of 11 pumps only 4 Nos. pump has been supplied at site and 2 Nos. Pump with motor has been installed. 5. Log Book need to be maintained.	01.03.2021		Long Pending
52	Treated Effluent sump (Civil)	Structure is in damaged condition		1. New TEPH cum Sump has already been proposed in CA and needs to keep this sump in working condition till the renovation period.	01.03.2021		Long Pending
53	Treated Effluent Pump House (Civil)	Structure is in bad condition.	 <p>Unrecorded Report - Jajmau Sub Metro City, Kanpur, Uttar Pradesh 208006, India</p> <p>Decimal DMS</p> <p>Kanpur Uttar Pradesh India</p> <p>Latitude 26.415498 26°24'55" N Longitude 80.420874 80°25'15" E</p> <p>2022-05-05(Thu) 12:15(p.m)</p>	1. New TEPH cum Sump has already been proposed in CA and needs to keep Pump house in working condition till the renovation period. 2. Pump foundation are found in damaged condition. 3. Hand railing to be repaired and installed.	01.03.2021		Long Pending
54	TEPH Pump no.1	Operational		1. All pumps need to be repaired and get operational. 2. Civil Drawing of pump foundation not submitted by KRMPL for Renovation work. 3. 5 nos pumps are in working condition during site visit. 4. 2 Nos new pumps has been installed by KRMPL without get any prior approval from UPJN/PE and KRMPL has not submitted any erection procedure as per CA schedule 11. 5. Erection and commissioning of pumps have been done by KRMPL. KRMPL has not complied the compliance raised by PE officials. 6. KRMPL has not been submitted any design and drawings for Valves, NRVs, Dismantling joints etc. 7. Lighting arrangement and Cable to be laid in cable tray. 8. Thermometer and vibration meter should be at site. 9. Railing to be repaired till the renovation period. 10. Motor cover to be arranged. 11. Pressure gauge are found in damaged condition and need to be replaced. 12. Concessionaire should maintain log book of the pumps for proper record maintenance. 13. Leakage has been detected in some pumps which are in operation, and directed to repair the same immediately. 14. LBPS system to be install at site 15. Cable tray need to be painted immediately	01.03.2021		Long Pending
55	TEPH Pump no.2	Non-operationl					
56	TEPH Pump no.3	Operational					
57	TEPH Pump no.4	Operational					
58	TEPH Pump no.5	Operational					
59	TEPH Pump no.6	Non-operationl					
60	TEPH Pump no.7	Non-operationl					
61	TEPH Pump no.8	Operational					
62	TEPH Pump no.9	Operational					
63	TEPH Pump no.10	Operational					
64	TEPH Pump no.11	Non-operationl					
L	Return Sludge Pump House						



SITE INSPECTION REPORT

Jajmau STP -
130 MLD

Date: 05.05.2022

INSPECTED BY:

UPJN Team

1. Mr. Gyanendra Choudhary, P.M-1, UPJN Kanpur

2. Mr. Brajesh Mourya, Aen, Civil UPJN Kanpur

STC Team

1. Mr. J. P. Tripathi, O&M expert, STC Kanpur




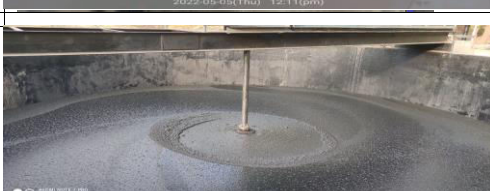

2. Mr. Anuj Kushwaha, Support engineer civil, STC Kanpur

3. Mr. Rahul Sawan, Support engineer, Electrical, STC Kanpur

KRMPL Team

1. Mr. Anirban mukherjee, O&M Incharge, KRMPL

2. Mr. Akshay Tripathi, Process Engineer, KRMPL

S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
65	Return sludge Sump (Civil)	Needs rehabilitation		1.Sludge cleaning work done by KRMPL only top of slab. 2. Renovation work done by KRMPL only slab top. 2. KRMPL need to clean sump from bottom of slab.	01.03.2021		Long Pending
66	Return Sludge Pump House (Civil)	Needs rehabilitation	 <div><div>Kanpur Uttar Pradesh India</div><div>Latitude 26.415758 26°24'56" N Longitude 80.420352 80°25'13" E</div><div>2022-05-05(Thu) 12:11 (pm)</div></div>	1.Only outer face painitng work pratially done by KRMPL. 2. Dewatering arrangement need to be arrange. 3.Foundation of pumps need to be renovate. 4.KRMPL need to submit Civil drawing of foundation for renovation work. 5. Rennovation work of internal wall need to be done. 6.Lighting arrangement and Cable to be laid in cable tray. 7.LPBS system to be install at site 8.Cable need to be dressed properly 9.All Indoor Light to be replace immediately 10.Log Book need to be maintained.	01.03.2021		Long Pending
67	Return Sludge Pump no. 1	Pump no 03-Non functional	 <div><div>Kanpur Uttar Pradesh India</div><div>Latitude 26.411082 26°24'39" N Longitude 80.421698 80°25'18" E</div><div>2022-05-05(Thu) 12:11 (pm)</div></div>	1.KRMPL need ro arrange sufficient power backup during any brekdown from Keso. 2.Cables to be arranged in proper manner and should be laid in cable tray. 3.Leakage has been detected in the pipes connecting to the Pumps. 4.All panel found non-operational. 5. 2 Nos new pumps has been installed by KRMPL without get any prior approval from UPJN/PE and KRMPL has not submitted any erection procedure as per CA schedule 11. 6.Erection and commissioning of pumps have been done by KRMPL.KRMPL has not complied the complainece raised by PE officials . 7. Thermometer and vibration meter should be at site.Vibration and Temperature reading has not mention in the daily log book.	10.12.2021		Pending
68	Return Sludge Pump no. 2						
69	Return Sludge Pump no. 3						
70	Return Sludge Pump no. 4						
M	Blending Tank						
71	Civil works	Belding tank found partially rennovate		1. Sludge disposal work done from dated 04.02.2022 to 22.02.2022 from common sludge chamber. 2. Belding tank commisioned on 31.05.2022	31.05.2022		
	Blending Tank Agitator	New Replacement as per BEPI					
72	Gravity Sludge Thickeners						



SITE INSPECTION REPORT

Jajmau STP -
130 MLD

Date: 05.05.2022

INSPECTED BY:
UPJN Team
1. Mr. Gyanendra Choudhary, P.M-1, UPJN Kanpur
2. Mr. Brajesh Mourya, Aen, Civil UPJN Kanpur
STC Team
1. Mr. J.P. Tripathi, O&M expert, STC Kanpur
2. Mr. Anuj Kushwaha, Support engineer civil, STC Kanpur
3. Mr. Rahul Sawan, Support engineer, Electrical, STC Kanpur
KRMPL Team
1. Mr. Anirban mukherjee, O&M incharge, KRMPL
2. Mr. Akshay Tripathi, Process Engineer, KRMPL

S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
73	Gravity Sludge Thickener no. 1	Functional		1. If Mechanical bridge has installed of sludge thickener No. 02 on 26.02.22 and commisioned on 04.06.2022	04.06.2022		
74	Gravity Sludge Thickener no. 2	Functional		1. Sludge removal work of Sludge Thickener from 03.02.22 to 22.02.22 and Dismantled the scraper system done on 23.02.22 and 24.02.22 respectively. 2. Sludge thckener 02 commisioned on 31.05.2022	31.05.2022		
0	Thickened Sludge Pump House						
75	Thickened sludge Pump House cum Sump (Civil works)	Structure needs rehabilitation		1. Cleaning work of roof slab is in progress by KRMPL. 2. Sump to be clean and rehabilitate. 3. Precast cover slabs of Sump to be replaced . 4. Pump house structure needs plastering and finshing works. 5. Cracks should be treated with proper technique. 6. Remote system to be installed for TSPH. 7. Cable to be laid in cable tray. 8. All Thickened sludge pumps to be replaced as per CA. 9. Dewatering pump to be installed for removing extra water. 10. EOT crane /lighthing /exhaust fan to be inslatltd . 11. Log Book need to be maintained.	10.12.2021		Pending
76	Thickened Sludge Pump no.1	Operated		1. Need to be replaced	27.11.2021		Pending
77	Thickened Sludge Pump no.2	Operated		1. Need to be replaced			
78	Thickened Sludge Pump no.3	Not operated		1. Need to be replaced			
79	Thickened Sludge Pump no.4	Not operated		1. Need to be replaced 2. Indor lighthing need to be repalce immediately 3. Cable need to be dressed properly 4. Cable tray need to be paitled 5. Digester cleaning work can be done with safety precaution .			
p	Primary Sludge Digesters						








SITE INSPECTION REPORT

Jajmau STP -
130 MLD

Date: 05.05.2022

INSPECTED BY:
UPJN Team
1. Mr.Gyanendra Choudhary,P.M-1,UPJN Kanpur
2. Mr. Brajesh Mourya,Aen,Civil UPJN Kanpur
STC Team
1. Mr.J.P Tripathi,O&M expert,STC Kanpur
2. Mr Anuj Kushwaha,Support engineer civil,STC Kanpur
3. Mr.Rahul Sawan,Support engineer,Electrical,STC Kanpur
KRMPL Team
1. Mr. Anirban mukherjee,O&M Incharge,KRMPL
2. Mr. Akshay Tripathi,Process Engineer,KRMPL

S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
80	Primary Sludge Digester no. 1	Under maintenance		<ol style="list-style-type: none"> Cleaning work of digester done partially by KRMPL. Outer face cracks repair work and painting work is in progress by KRMPL. Removal of centrally located sludge mixing shaft from Primary Digester 1. Gate to be overhauled Civil Structure of the Digester to be renovate and cracks to be treated. Leakage to be Arrested in the Digester. Installation of the Railing at the boundary of the dome. 	01.03.2021		Long Pending
81	Primary Sludge Digester no. 2	Not operational		<ol style="list-style-type: none"> Cleaning work of Primary digester done partially. Outer face cracks repair and painting work is in progress by KRMPL. Gate to be overhauled Civil Structure of the Digester to be renovate and cracks to be treated. Leakage to be Arrested in the Digester. Installation of the Railing at the boundary of the dome. 	01.03.2021		Long Pending
Q	Secondary Sludge Digester						
82	Secondary Sludge Digester	Not operational		<ol style="list-style-type: none"> Outer face cracks repair and painting work done by KRMPL. Polymer concrete work done under renovation work. Gate to be overhauled Civil Structure of the Digester to be renovate and cracks to be treated with all respect. Leakage to be Arrested in the Digester. Installation of the Railing at the boundary of the dome. Finishing work to be done. 	01.03.2021		Long Pending
R	Digested Sludge Pump House						
83	Digested Sludge Pump House cum Sump (Civil works)	Need to be renovated		<ol style="list-style-type: none"> Sump to be clean and renovate. Installation of the railing on the boundary of the sump. Precast cover to be replaced or constructed on the sump. Stairs at the pump house to be renovate. Plastering work and finishing work to be done in the pump house. Foundation of the pumps to be repaired. Railing to be repair in the Pump house. LPBS System to be installed for GST-1. Cable need to be laid in cable tray. Dewatering pump to be installed. Log Book need to be maintained. 	01.03.2021		Long Pending
84	Digested Sludge Pump no.1	2 nos out of 4 Nos.		<ol style="list-style-type: none"> KRMPL need to arrange sufficient power backup to operate the pumps and panels. As per CA 4 nos. of screw pumps need to be replaced. Required repair work for pump no.3 & 4 	01.03.2021		Long Pending
85	Digested Sludge Pump no.2						
86	Digested Sludge Pump no.3						
87	Digested Sludge Pump no.4						





SITE INSPECTION REPORT

Jajmau STP -
130 MLD

Date: 05.05.2022

INSPECTED BY:
UPJN Team
1. Mr. Gyanendra Choudhary, P.M-1, UPJN Kanpur
2. Mr. Brajesh Mourya, Aen, Civil UPJN Kanpur
STC Team
1. Mr. J.P. Tripathi, O&M expert, STC Kanpur
2. Mr. Anuj, Kashiwaha, Support engineer civil, STC Kanpur
3. Mr. Rahul Sawan, Support engineer, Electrical, STC Kanpur
KRMPL Team
1. Mr. Anirban mukherjee, O&M Incharge, KRMPL
2. Mr. Akshay Tripathi, Process Engineer, KRMPL

S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
5	Centrifuge						
88	Centrifuge Building (Civil Works)	Not operational		1. Plastering and finishing work of the Centrifuge building and centrate Pump house. 2. Railing and steel ladder to be repaired or replaced as per site condition. 3. Housekeeping to be done. 4. Sign boards are required. 5. No approach road found at site to get on this unit/component. 6. Proper lighting arrangement to be required at site. 7. All centrate pump 4 no. to be replaced.	01.03.2021		Long Pending
89	Centrifuge Pump no.1	All centrifuge were in dilapidated condition and dismantling work is completed		As per CA centrifuge/ BFP to be replaced.	01.03.2021		Long Pending
90	Centrifuge Pump no.2						
91	Centrifuge Pump no.3						



SITE INSPECTION REPORT

Jajmau STP -
130 MLD

Date: 05.05.2022

INSPECTED BY:
UPJN Team
1. Mr. Gyanendra Choudhary, P.M-1, UPJN Kanpur
2. Mr. Brajesh Mourya, Aen, Civil UPJN Kanpur
STC Team
1. Mr. J.P. Tripathi, O&M expert, STC Kanpur
2. Mr. Anuj, Kishwaha, Support engineer civil, STC Kanpur
3. Mr. Rahul Sawan, Support engineer, Electrical, STC Kanpur
KRMPL Team
1. Mr. Anirban mukherjee, O&M incharge, KRMPL
2. Mr. Akshay Tripathi, Process Engineer, KRMPL

S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
92	Centrifuge Pump no.4	by KRMPL.					
T	Centrate / Supernatant Pump House				01.03.2021		
93	Centrate Building cum Sump (Civil works)			1. Plastering and finishing work of the Centrifuge building and centrate Pump house. 2. Railing and steel ladder to be repaired or replaced as per site condition. 3. Housekeeping to be done. 4. Sign boards are required. 5. No approach road found at site to get on this unit/component. 6. Proper lighting arrangement to be required at site.			
94	Supernatant Pump no.1	Pump already dismantled by KRMPL		As per CA pump to be replaced .	01.03.2021		Long Pending
95	Supernatant Pump no.2	Pump already dismantled by KRMPL		As per CA pump to be replaced .			
96	Supernatant Pump no.3	Pump already dismantled by KRMPL		As per CA pump to be replaced .			
97	Supernatant Pump no.4	Pump already dismantled by KRMPL		As per CA pump to be replaced .			
U	Gas Holder						
98	Gas Holder no. 1	Not functional		by KRMPL. progress outer face of gas holder 01.	01.03.2021		Long Pending
99	Gas Holder no. 2	Not functional		by KRMPL. on 23.02.2022 by KRMPL. and renovate. one in the civil structure.	01.03.2021		Long Pending
V	Gas Scrubbers						
100	Gas Scrubber no.1	Dismantling in progress by KRMPL			23.11.2021		Long Pending
101	Gas Scrubber no.2	Dismantling in progress by KRMPL		PE and KRMPL has not supplied as same			
102	Gas Scrubber no.3	Dismantling in progress by KRMPL					
W	Gas Flaring Unit						
103	Gas Flaring no.1	Dismantling in progress by KRMPL		1. Design, drawing has been vatted by PE and KRMPL has not supplied as same	23.11.2021		Pending
104	Gas Flaring no.2	Dismantling in progress by KRMPL					



SITE INSPECTION REPORT

Jajmau STP -
130 MLD

Date: 05.05.2022

INSPECTED BY:
UPJN Team
1. Mr. Gyanendra Choudhary, P.M-1, UPJN Kanpur
2. Mr. Brajesh Mourya, Aen, Civil UPJN Kanpur
STC Team
1. Mr. J.P. Tripathi, O&M expert, STC Kanpur
2. Mr. Anuj, Kashiwaha, Support engineer civil, STC Kanpur
3. Mr. Rahul Sawan, Support engineer, Electrical, STC Kanpur
KRMPL Team
1. Mr. Anirban mukherjee, O&M Incharge, KRMPL
2. Mr. Akshay Tripathi, Process Engineer, KRMPL

S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
W1	Compressor panel room	Renovation work is in progress		1. Roof slab cleaning work is in progress. 2. KRMPL is doing surface roof treatment for compressor panel room slab while KRMPL didn't submit any methodology, Work process and Work Plan. 3. Outer face plaster work is in progress by KRMPL with mortar (1:3) cement:sand ratio. 4. Plaster work should be proper thickness, verticality and smoothness but KRMPL is not doing same as per CA specification. 5. Cracks repairing work in ceiling slab is in progress by KRMPL. 6. KRMPL has engaged 9 Nos of labour for civil work.	10.12.2021		Pending
X	Bio gas Compressor				01.03.2021		Long Pending
105	Biogas Compressor Building			1. AS per CA, Biogas compressor to be replaced. 2. Outer face plaster work is in progress. 3. Outer side and inner face of building, painting work is in progress.			
106	Bio gas Compressor no.1	Dismantling done by KRMPL			01.03.2021		Long Pending
107	Bio gas Compressor no.2	Dismantling done by KRMPL					
108	Bio gas Compressor no.3	Dismantling done by KRMPL					
109	Bio gas Compressor no.4	Dismantling done by KRMPL					
110	Bio gas Compressor no.5	Dismantling done by KRMPL					
Y	Dual Fuel Generator				01.03.2021		Long Pending
111	DFG no.1	not oprated			01.03.2021		Long Pending
112	DFG no.2	not oprated					
113	DFG no.3	Operated		1. Proper lighting arrangement to be required at site. 2. DFG to be replaced as per CA and BEP. 3. Derating of DFG calculation need to be of 2 DFG for plant operation			
114	DFG no.4	Operated					
115	DFG no.5	not oprated					
Z	Filtrate Pump						
116	Filtrate pump cum Sump (Civil works)			1. Civil structure needs finishing work to be done.	01.03.2021		Long pending
117	Filtrate Pump no.1	Not working		1. As per CA, Filtrate pump to be replaced. 2. KRMPL has not submitted design, drawing for approval till date	01.03.2021		Long pending
118	Filtrate Pump no.2	Not working					



SITE INSPECTION REPORT

Jajmau STP -
130 MLD

Date: 05.05.2022

INSPECTED BY:
UPJN Team
1. Mr. Gyanendra Choudhary, P.M-1, UPJN Kanpur
2. Mr. Brajesh Mourya, Aen, Civil UPJN Kanpur
STC Team
1. Mr. J. P. Tripathi, O&M expert, STC Kanpur
2. Mr. Anuj, Kishwaha, Support engineer civil, STC Kanpur
3. Mr. Rahul Sawan, Support engineer, Electrical, STC Kanpur
KRMPL Team
1. Mr. Anirban mukherjee, O&M Incharge, KRMPL
2. Mr. Akshay Tripathi, Process Engineer, KRMPL

S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
AA	Substation 11kv/433	Not working		1. DP structure erection work not as per approved drawing .need to be installed as per approved drawing . 2. DP ploe earthing work in not done.need to be eathed immediately . 3. Pole foundation need to done properly.	01.03.2021		Long pending
AB	New Units (Construction)						
119	TEPH cum Sump						
120	Chlorine Contact tank	To be constructed		1. KRMPL has started excavaion work from 23.02.2022 and 24.02.2022 without started Utilities shifting work at site. 2. Site Clearance required. 3. Outlet flow meter need tyo be replaced.	01.03.2021		Long pending
Remarks:- A) Internal and External Painitng work (for Structures and Building):- KRMPL did not work properly by which it is not acceptable and it did not fulfill acceptance criteria as per CA 1. All painted work surfaces shall be uniform and pleasing in appearance. 2. The colour ,texture etc shall match exactly with the approved samples. 3. All stains, splashes and slatters of paints shall be removed form surrounding surfaces. KRMPL need to take necessary action for proper Painting work. B) Internal road need to be renovate but KRMPL did not submit any Internal road plan layout for recommendation. C) All E&M equipments need to be replaced as per CA schedule 11. D) CCTV need to be installed. E) Power backup need to be arranged by KRMPL. F) Inlet and outlet flow meter need to be installed. G) Smog exhaust pipe length is not sufficienr as per CPCB/CPHEEO guidelines.It must be replaced on urgent basis.				Signature: TEAM LEADER STC KANPUR 			












SITE INSPECTION REPORT FOR 43 MLD JAJMAU PHASE-II STP

JAJMAU PHASE-II STP
- 43 MLD

Date: 06.06.2022





INSPECTED BY:
NMC6,UPJN,STC and KRML team

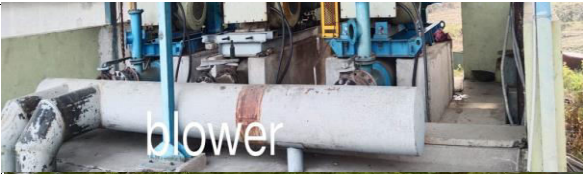


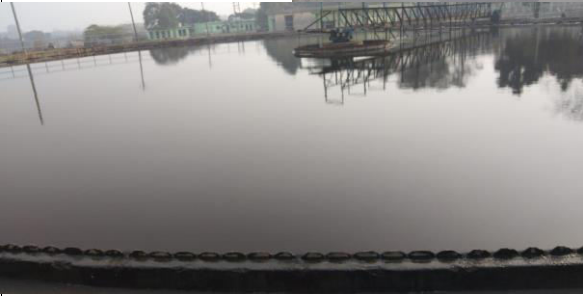

S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Corrective Action Suggested by STC	Original Date of Issue	Proposed Date to Resolve by KRML	Current Status of Compliance
A	Inlet Chamber	1.Intel chamber painting for internal and external surfaces are not satisfactory. 2.Lubrication of sluice gate not done. 3.Cleaning work of chamber is pending.	 CC0846X7, Jajmau Sub Metro City, Kanpur, Uttar Pradesh 208008, India Kanpur Uttar Pradesh India Latitude 26.41758 Longitude 80.418209 2022-05-05(Thu) 11:41(am)	1. Chamber and hand railing painting work need to be done. 2. Sluice gate need to be lubrication 3. Cleaing of inlet chamber need to be done.	21.09.2021		Pending.
1	Fine Screen No.1(Mecahnical)	Mechanical fine screen 01 and 02 found non-operational.It was started when asked by UPJN and STC staff.	 CC0846X7, Jajmau Sub Metro City, Kanpur, Uttar Pradesh 208008, India Kanpur Uttar Pradesh India Latitude 26.41758 Longitude 80.418209 2022-05-05(Thu) 11:40(am)	1.Fine Screen need to be cleaning properly. 2. Screen Level Sensor need to be replaced. 3. Screen panel autosystem need to be repaired. 4. Panel stand need to be painted. 5. Cable tray need to be replaced and painted. 6.All light creen area aneed to be replaced. 7. Disposal material need to be removed on regular basis. 8. Manual trolley need to be provided for Disposal material. 9. All motors need to covered by canopies. 10. Fine screen 2 (mechanical) need to maintenace for proper functional.	21.09.2021		Pending.
2	Fine Screen No.2 (Mecahnical)				21.09.2021		Pending.
3	Fine Screen No.2(Manual)	Operational	 CC0846X7, Jajmau Sub Metro City, Kanpur, Uttar Pradesh 208008, India Kanpur Uttar Pradesh India Latitude 26.41758 Longitude 80.418209 2022-05-05(Thu) 11:40(am)		16.12.2021		Pending.
B.	Grit Mechanism						



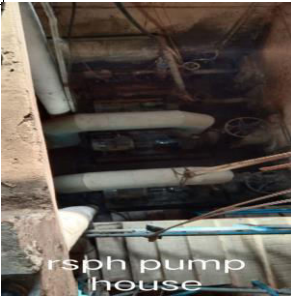


1	Grit chamber-1 1)Organic pump with Motor 2)Scraper 3)Classifier Mechanism	Classifier system is not in proper operation.		1. Grit removal system is functional but classifier system is not functional since handover and ED(Projects) also instructed to KRMPPL for taken action. 2. Painting needs to be done to equipment / covers wherever rusting. 3. Alignment of classifier found non-functional. 4. Cable tray need to be painted. 5. All E&M equipments shall be lubricate on regular basis and maintain the log book at site. 6. Log book need to be maintained	30.09.2021		Pending
C	Inlet flow meter	Operational		1. Flow meter cover need to be replaced. 2. Visual of flow is not clear. 3. Log book need to be maintained. 4. At the time of power failure there are no power backup is available for flow meter. So KRMPPL has to provide power backup facility. 5. Level scale needs to be paint.	21.09.2021		Pending
	Open Channel	Operational		1. Open channel need to be cover with frame cover. 2. Repairing and Painting work need to be done.	16.12.2021		Pending
D	Primary Unit						
1	Primary sedimentation tank	Primary sludge wastage is not adequate due to which excessive gas bubbles were found on the surface of the clarifier.		1. Cleaning work of PST need to be done. 2. Cracks repairing work need to be done. 3. Painting work need to be done. 4. "V" notch need to be replaced. 5. Handrailing work need to be paint. 6. Alignment need to be rectified for PST. 7. Log book need to be maintained. 8. Scum chamber need to be clean. 9. loose concrete work need to be cleaned and track should be proper grout. 10. Housekeeping need to be done. 11. Sludge need to be clean properly.	21.09.2021		Pending
E	Panel room	Operational		1. Screen panel voltmeter need to be replaced. 2. Dosing agitator ammeter need to be replaced.	21.09.2021		Pending
F	Sludge System						




1	Centrifuge feed pump(No.1 &2)	Operational		<ol style="list-style-type: none"> 1. Pump cleaning need to be required. 2. Pump lubrication need to be done on regular basis by KRMPL. 3. Pump RPM need to be increase as per design. 4. Vibration and Temperature need to be measure on regular basis. 5. Pump log book has not maintained by KRMPL. 	21.09.2021		Pending
2	Centrifuge panel	Operational		<ol style="list-style-type: none"> 1. Panel no.1 need to be repair. 2. Panel no. 2 voltmeter need to be replaced . 3. Panel door damage need to be repair 	21.09.2021		Pending
3	Centrifuge No.1	Operational		<ol style="list-style-type: none"> 1. Need to be overhauled & servicing. 2. Dosing of PACL in sludge feed line not properly tapping according to design .Therefore dosing line tapping from upword to downward direction.KRMPL has not taken action as same. 3. Pipe support shall be installed properly for sludge feed line and dosing line. 4. Electrical cables need to be lineup properly. 5. 1 CCTV need to be arranged for sludge removal from Trolley on urgent basis. 6. The quality of dewatered sludge is not adequate since liquid is being noticed during site visit. 7. 2 nos centrifuges operated by KRMPL, 12 Hrs. each due to non-availability of VFD, only one at a time operated 	21.09.2021		Pending
4	Centrifuge No.2	Operational		<ol style="list-style-type: none"> 1. Need to be overhauled & servicing. 2. Dosing of PACL in sludge feed line not properly tapping according to design .Therefore dosing line tapping from upword to downward direction.KRMPL has not taken action as same. 3. Dosing line has not been connected with sludge feed line of centrifuge No 2. 4. Pipe support shall be installed properly for sludge feed line and dosing line. 5 The quality of dewatered sludge is not adequate since liquid is being noticed during site visit. 6. 2 nos centrifuges operated by KRMPL, 12 Hrs. each due to non-availability of VFD, only one at a time operated 	21.09.2021		Pending
5	Centrifuge thickened sludge sump + Agitator 2 Nos.	1 - Operated 1- Operated		<ol style="list-style-type: none"> 1. Sludge cleaning work need to be done. 2. Need to be overhauled & servicing as required. 3. Log book need to be maintained. 	16.12.2021		Pending

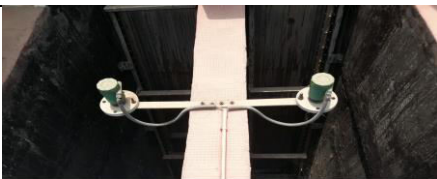







6	Poly Dosing(No.1 & 2)	Operational		<ol style="list-style-type: none"> 1. Need to be Overhauled & Servicing. 2. Log book need to be maintained. 3. Polymixer was not in operation during site visit. 	21.09.2021		Pending
7	Agitator No.1	Operational		<ol style="list-style-type: none"> 1.Need to be rectified. 2.Need to Be cleaned the Sump bottom 3. Needs to be replaced. 4.Cleaning work of tank needs to be done. 	21.09.2021		Pending
8	Agitator No.2	Operational		<ol style="list-style-type: none"> 1.Rusted steel Structure need to be replaced. 	21.09.2021		Pending
9	Digester No.1	Non-operated	 	<ol style="list-style-type: none"> 1.Digster Need to be cleaned. 2.Civil Leakage need to be repaired. 3. Pressure relive valve need to be calibration. 4. All four nos of motors need to be repaired. 5. Canopies need to be replace. 6.HDPE gas pipe line need to be proper support. 7. Sludge digester taken offline since 8 months and it was found that the sludge is being diverted to sludge holding ponds which are already birm. It is very urgent that KRMPL address this issue at the highest priority. 	21.09.2021		Pending
10	Thickened sludge Pump(No.1 & 2)	One operational one-Non-operational		<ol style="list-style-type: none"> 1. Need to be overhall and servicing. 2. Lubrication of pump need to be done. 	21.09.2021		Pending

G	Sludge Thickner No.1	Non-Operated		<p>1. Need to be painted.</p> <p>2. Need to be Clean wier plates.</p> <p>3. Sludge cleaning need to be done.</p> <p>4. Need to be Overhaul and servicing.</p> <p>5. Sludge thickener operation needs immediate attention since supernatant from the thickener is discharging heavy solids into the PST inlet distribution chambers overloading the PST system.</p>	21.09.2021		Pending
1	Thickened Sludge Sump (Feed pump no 1 & 2)	Operational		<p>1. We have found heavy vibration at Pump no 2 during visit. KRMPL need to be repair.</p> <p>2. Pipe support need to be replace as required .</p> <p>3. Vibration and Temperature need to be measure on regular basis.</p> <p>4. Pump log book has not maintained by KRMPL.</p> <p>5. Dewatering from the sump need to be required.</p>	16.12.2021		Pending
2	Thickened Sludge Pump house	Operational		<p>1. Need to be Overhaul and repair .</p> <p>2. Cleaning work need to be done.</p> <p>3. Vibration and Temperature need to be measure on regular basis.</p>	21.09.2021		Pending
H	Blower Room						
1	Air Blower No.1	Operated					




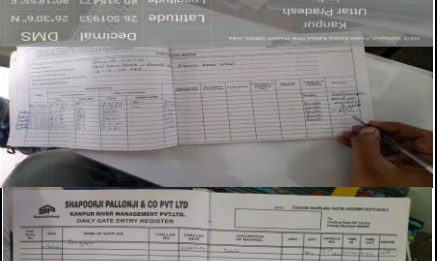

2	Air Blower No.2	Operated		<ol style="list-style-type: none"> 1. Air Blower remote system cable need to be dressed properly. 2. Air blower no.1 need to be rectified . 3. Acoustic hood need to be installed . 4. Vibration and Temperature need to be measure on regular basis. 5. Log book need to be maintained. 6. Pressure guages need to be installed. 7. PRV need to be checked. 8. Insulation work in discharge line needs to be done by KRMPL. 	21.09.2021		Pending
3	Air Blower No.3	Operated					
I	Aeration Tank	Operated		<ol style="list-style-type: none"> 1. Pipe lines need to be changed. 2. Valves need to be changed. 3. Handrails need to be painted. 4. Diffuser line need to be Cleaned and maintained records also. 5. Insulation required for discharge line of blower. 6. Rope need to be replaced. 	21.09.2021		Pending
J	Final Sedimentation tank	Operated		<ol style="list-style-type: none"> 1. Cleaning work need to be done. 2. Painting work need to be done. 3. Alignment of Mechanism need to be rectified. 4. "V" notch need to be replace. 	21.09.2021		Pending
K	43 MLD TEPH(5	Operational		<ol style="list-style-type: none"> 1. All 5 Nos of pumps are in working condition. 2. Each pump capacity 900m3/hr. 3. Lubrication of each equipment need to be done. 4. Log book need to be maintain properly 	21.09.2021		Pending



	Nos Pumps)	Operational	 	<p>4. Log book need to be maintain properly.</p> <p>5.Vibration and Temperature need to be measure on regular basis.</p> <p>6. Ameter need to be repaired.</p>	21.09.2021		Pending
L	RSPH	Operational	 	<p>1. 2 Nos. of pumps in Operational(1 W +1 S).</p> <p>2.Waste activated sludge pump nos.1 found non-operational.</p> <p>3. Ameter need to be repaired.</p>	21.9.2021		Pending
Remarks:-			<p>Important Note- ED (Technical) visited on 07.10.2021 directed to KRMPL to dispose the sludge as per UPPCB/ NGT norms</p> <p>1. At the time of power failure there are no power backup is available.KRMPL has been shutting down the STP which was deteriorated process of the 43 MLD STP plant.</p> <p>2. CCTV cameras required to installed immediately at centrifuge equipments as agreed by KRMPL.</p> <p>3. Landscaping work need to be done by KRMPL.</p> <p>4. All mechanical,electrical and instrumentation equipments need to be functional properly.</p> <p>5. Painting work need to be done by KRMPL beacause acceptance criteria not fulfilled yet given below:-</p> <p>i) All painted surfaces shall be uniform and pleasing apperance.</p> <p>ii) The colour,textures etc shall match exactly with approved samples.</p> <p>iii) All stains,splashes and splatters of paint shall be removed from surrounding surfaces.</p>				




<div>STC</div> <div>SITE INSPECTION OF JAJMAU ASSOCIATED IPS REPORT</div>					Parmiya IPS - 3.5 MLD	Date: 07.06.2022	INSPECTED BY: UPJN Team 1. Mr.Ajeet Singh,Civil J.En,UPJN Kanpur STC Team 1. Mr Anuj Kushwaha,Support engineer civil,STC Kanpur 2. Mr.Rahul Sawan,Support engineer,Electrical,STC Kanpur KRMPL Team 1. Mr. Shriram Saste,Plant Incharge,KRMPL Kanpur
S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
1	All work						
1	Parmiya Nala Tapping	Overflow Condition since handover date	 <p>2022-06-07(Tue) 11:01(am)</p> <p>Kanpur Uttar Pradesh India</p> <p>Decimal DMS Latitude 26.50205 26°30'7" N Longitude 80.315295 80°18'55" E</p>	Over flow condition found since handover. Upjn need to take action in this regards.	25.08.2021		Action to be taken by UPJN
2	Inlet Chamber	Epoxy coating found improper in inlet chamber.	 <p>2022-06-07(Tue) 11:03(am)</p> <p>Kanpur Uttar Pradesh India</p> <p>Decimal DMS Latitude 26.502017 26°30'7" N Longitude 80.315345 80°18'55" E</p>	1. Finishing of wall need to be done. 2. Epoxy coating work need to be done.	15.12.2021		Pending
3	Coarse bar Screen Chamber(Manual)	Garbages and rusted MS stair and handrailing found	 <p>2022-06-07(Tue) 11:04(am)</p> <p>Kanpur Uttar Pradesh India</p> <p>Decimal DMS Latitude 26.502051 26°30'7" N Longitude 80.31532 80°18'55" E</p>	1. Removal of polythene,papers,plastic should be on regular basis. 2. Painting work should be done by KRMPL for MS Staircase and handrails. 3. Trolly for garbages disposal arranged by KRMPL.	15.12.2021		Pending





4	Coarse bar Bar Screen Chamber(2-Mechanical, 1-Manual)	Operational	   <p>1. Both screens and conveyor belt need to be working on Auto mode. 2. UPJN/STC has inspected the site but everytime mechanical screen and conveyor belts found in un-operational position. UPJN/STC asked to operator then they start mechanical screen and conveyor belt. This is false practice and it is not acceptable. 3. Mechanical Screen No 1 & 2 found in working condition. 4. Lubrication of E&M equipment no are not doing by KRMPL. 5. Solid Chute is not fix at end of Conveyor belt. 6. Stud bolt lubrication has not done by KRMPL. 7. Sensor system need to be arranged by KRMPL. 8. Screen panel door glass found damaged, it need to be replaced. 9. Painting work need to be done for conveyor belt.</p>	15.12.2021		Pending
4	Pump house cum Panel room	1. Horizontal and vertical cracks found in pump house structure. 2. Control panel of pump no 4 found damaged.	  <p>1. Monorail painting work and load certification of manual Chain pully block didn't done by KRMPL. 2. Control panel of pump no 4 required rectification. 3. Cracks Repairing work and painting work required. 4. Calibration of Flow meter need to be submitted by KRMPL. 5. 2 Nos. tubelight is not in working condition. 6. Exhaust fan is not in working condition.</p>	15.12.2021		Pending
i	Pump No.1 (Capacity =180 m3/hr)	Operational	 <p>It is in working condition</p>			
ii	Pump no.2 (Capacity =180 m3/hr)	Operational	 <p>It is in working condition</p>			
iii	Pump No.3 (Capacity =180 m3/hr)	Operational	 <p>Operational</p>			


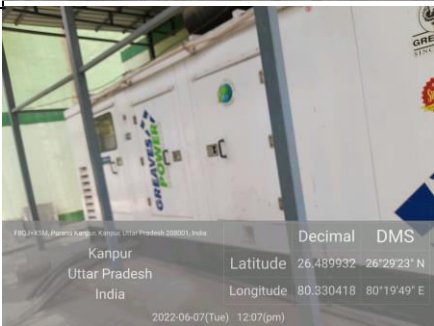

iv	Pump No.4 (Capacity =180 m3/hr)	Non operational		Pump no. 4 is under maintenance from 07.06.2022				pending
5	Common headerChamber	1. Horizontal and vertical cracks found in common header chamber. 2. All stud bolts found rusted.		1. Crackss repairing work should be done by KRMPL. 2. All stud bolts are rusted, KRMPL has not lubricated on regular basis. 3. Valve and NRV directions are not visualize during operation. So KRMPL has shown the direction on as stated above.	15-12-2021			Pending
6	DG set	DG set found operational and Horizontal and vertical cracks found in civil structure.		1. DG set is in working condition. 2. Exhaust chimney height of DG set is not as per CPCB norms. 3. Crackss repairing work and painting work should be done by KRMPL. 4. Electric pole found rusted, It need to be rectified. 5. KRMPL has not maintained diesel stock at site. 6. Handrails should be fixed properly surround the DG platform.	15-12-2021			Pending
7	Boundary wall	1. Horizontal and vertical cracks found in civil structure. 2. Painting work found unpleasing appearances and non uniform.		1. Boundary wall Painting work need to be done. 2. Kesco cable fault on 14.03.2022 after that IPS was running on DG power.	15-12-2021			Pending
8	Internal road, Land scaping work and Campus Lightening work	1. Interlocking road found settlement. 2. Utility unavailability for water drinking and daily purpose. 3. Electric pole has started to rust.		1. Under renovation of IPS, interlocking road found settlement some location inside campus, That must be rectified by KRMPL. 2. Total light 8 Nos in working condition. 3. Utility of water connection need to be arranged for drinking and daily purpose. 4. Painting work of electripole is required.	15.12.2021			Pending
9	Valve Chamber	Frame chamber of valve chamber found rusted.		1. Red oxide primer and painting work should be done by KRMPL for MS cover.	15.12.2021			Pending

10	Back flow Condition	Back flow of sewerage from Parmiya Tapping shows near Culvert(Aunpriya merrage home)		1. Pump houses 1 and 2 need to be functional Nawabganj IPSs to resolve the back flow condition.	21.12.2021		Pending
11	Documentation	KRMPL has not maintained documentatiuon work properly.	   	1. Security guard need to be arranged by KRMPL. 2. Diesel stock log book has not maintained by KRMPL on regular basis. 3. Pumps log book has not maintained properly. 4. Maintenance records was not available at site for all E&M equipments. 5. Arrangement of reliever for Operators and sweepers should be done by KRMPL. 6. DG log book has not maintained by KRMPL properly. 7. Material inward and outward registers need to be maintained by KRMPL properly.	15.12.2021		Long pending





<div> <div>STC</div> <div>SITE INSPECTION OF JAJMAU ASSOCIATED IPS REPORT</div> </div>					Shishmau IPS -45 MLD	Date: 07.06.2022	INSPECTED BY: UPJN Team 1. Mr.Ajeet Singh,Civil J.En,UPJN Kanpur STC Team 1. Mr Anuj Kushwaha,Support engineer civil,STC Kanpur 2. Mr.Rahul Sawan,Support engineer,Electrical,STC Kanpur KRML Team 1. Mr. Shriram Saste,Plant Incharge,KRML Kanpur
S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRML	Current Status of Compliance
1	All work						
1	Shishamau Nala Tapping	No over flow		1. During visit it was found that there is no overflow condition of channel. 2. Brick work raised by KRML to avoid overflow condition on 24.03.2022,It was done 350mm height.	07.04.2022		
i	Manual Coarse bar screen Chamber	Civil struture is in satisfactory condition		1.Handles of open channel gate didn't find.KRML need to installed all the Handles for gate. 2.Trolly for garbages disposal arranged by KRML. 3.Out of 3 Nos of Lights only 2 Nos is in working condition.	15.12.2021		Pending



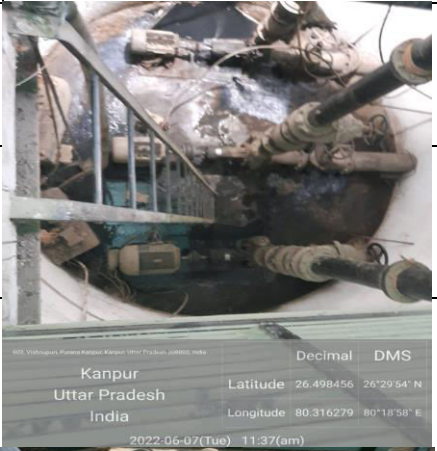
ii	RCC slab of Shashamau NALA tapping	Civil structure is in unsatisfactory condition		1.Renovation of slab top surface should be rectified by KRMPL. 2.Garbage material should be remove from campus. 3.Renovation of boundary wall required. 4.Settled Interlocking area should be rectify by KRMPL. 5.M.S gate should be repair by KRMPL 6. CCTV installation need to be done.KRMPL has promised to installed CCTV within a month.	15.12.2021		pending
2	Inlet Chamber	Epoxy coating found improper in inlet chamber.		1. Cleaning need to be done. 2. Epoxy Coating need to be done.	15.12.2021		Pending
3	Coarse bar Screen Chamber(Manual)	Civil work is in satisfactory condition		1. Mechanical Screen no. 1 repaired on 07.05.2022 and in working condition ,Mechanical screen no. 2 are not in working condition since long time. 2. Electrical hoist need to be repaired for Manual screen. 3.Manual screen was in overflow condition. 4.Level Indicator is not working condition. 5. Panel cover need to be installed.	15.12.2021		Pending





4	Coarse bar Screen Chamber(Mechanical)	Mechanical screen 01 functional and and 02 are under maintenance.		6. Trolley for garbages disposal arranged by KRMPL. 6. Log book need to be done properly. 7. CCTV installation need to be done.KRMPL has promised to installed CCTV within a month. 8. Emergency push button is not working in screen panel. 9. Chain-pully was not in working condition for Mechanical screen No. 1 10. Mechanical screen no. 1 and conveyor system are not working in auto mode.	15.12.2021	Pending
5	Pump house cum Panel room					
i	Pump no 1 Capacity(1080 cum/hr)	Operational		1. Pump no. 05 has repaired on 03.06.2022 and raw sewage pump no. 6 non functional from 02.06.2022 and its needs to be repaired on urgent basis 2. Calibration report of flow meter need to be submitted by KRMPL. 3. Log book needs to be maintain properly.		
ii	Pump no 2 Capacity(1080 cum/hr)	Operational		4. Exhaust fan needs to be installed. 5. Switch board needs to be repair. 6. Emergency fire bucket needs to fill by sand.	15.12.2021	Pending
iii	Pump no 3 Capacity(1080 cum/hr)	Operational		7. Monorail painting work and load certification of manual Chain pulley block didn't done by KRMPL. 8. Stud bolt lubrication has not done by KRMPL. 9. KRMPL has not conducted any submitted schedule maintenance plan at Site.		
iv	Pump no 4 Capacity(1080 cum/hr)	Operational				
v	Pump no 5 Capacity(1080 cum/hr)	Operational				
vi	Pump no 6 Capacity(1080 cum/hr)	Non operational				



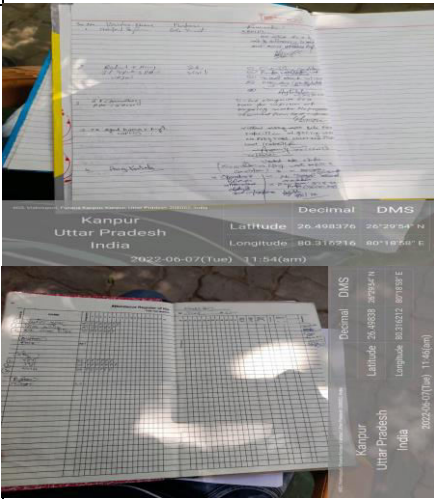
6	Common headerChamber	Operational		<p>1. Pressure guage of pump no 2 is not in woking condition.</p> <p>2. Pump No 2 and Pump No 5 line leakages found.</p> <p>3. Valve and NRV directions are not visualize during operation. So KRMPL has shown the direction on as stated above.</p>	15.12.2021		Pending
7	DG set	Both DG set found operational but diesel fuel found short.		<p>1. Both DG set is in working condition.</p> <p>2. DG log book is not mainatining by KRMPL.</p> <p>3. Only 33% diesel available at DG set- 1 and 33% diesel available at DG set-2.</p> <p>4. 8 Nos light are functional out of 11 Nos.</p>	15.12.2021		Pending
8	Transformer	Transformer found operational but their entry gate is damage.		<p>1. Cleaning work need to be done at Transformer yard area.</p> <p>2. Entry gate need to be repair.</p> <p>3. Transformer breather silica gel in pink colour, it need to be replaced.</p>	21.12.2021		Pending





9	Documentation	KRMPL has not maintained documentatiuon work properly.		1. Security guard need to be arranged by KRMPL. 2. Diesel stock log book has not maintained by KRMPL on regular basis. 3. Site visitor register has not maintained by KRMPL. 4. Plant-Incharge was not available during UPJN/STC site visit. 5. Pumps log book has not maintained properly. 6. Maintenance records was not available at site for all E&M equipments.	15.12.2021		Long pending
<div>STC</div> <div>SITE INSPECTION OF JAJMAU ASSOCIATED IPS REPORT</div>					Nawabganj IPS 32 MLD	Date: 07.06.2022	INSPECTED BY: UPJN Team 1. Mr.Ajeet Singh,Civil J.En,UPJN Kanpur STC Team 1. Mr Anuj Kushwaha,Support engineer civil,STC Kanpur 2. Mr.Rahul Sawan,Support engineer,Electrical,STC Kanpur KRMPL Team 1. Mr. Shri Krishna ,Plant Incharge,KRMPL Kanpur
S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
1	All work						





1	Inlet Over Flow Condition	Overflow condition found since handover		<p>1. During site visit overflow is continue since handover 28.06.2021.</p> <p>2. No action taken by KRMPPL after several times informed by NMCG, UPJN and STC representataives.</p> <p>3. Under rennovation of IPS Nawabganj , KRMPPL need to stop overflow condition of sewage by increasing adequate pumping.</p>	28.06.2021		Long Pending
2	Inlet Chamber	<p>1. Cleaning of inlet chamber need to be done.</p> <p>2. Staircase damaged tile need to renovate.</p>		<p>1. Cleaning of inlet chamber need to be done.</p> <p>2. Staircase damaged tile need to renovate.</p>	23.11.2021		Long Pending
3	Screen Chamber	1. Garbages was available.		<p>1. Garbage cleaning work need to be compulsory.</p> <p>2. Garbages Trolley need to be available at site.</p>	23.11..2021		Pending
4	Receiving Chamber 1	Overflow condition found since handover		<p>1. Proper pumping arrangement need to be done by KRMPPL.</p> <p>2.Receiving chamber need to be clean.</p> <p>3. Manual screen need to be installed under renovation.</p> <p>4. After cleaning work of this chamber required renovation work need to be done.</p> <p>5. Damaged cable need to be remove immediately.</p>	28.06.2021		Long Pending

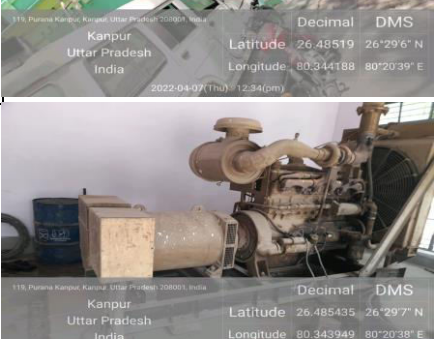
5	Receiving Chamber 2	Receiving chamber 02		1. Receiving chamber 02 sludge removal work done. 2. Repairing work needs to be done by KRMPL.	28.06.2021		Long Pending
6	Pump House No.1	Civil Structure in unsatisfactory Condition		1.Surface roof treatment is pending for Pump house. 2.All indoor lightening need to be replaced. 3. Exhaust fan 2 Nos need to be replaced. 4. Cable to be lay in the cable tray properly. 5. KRMPL has painted the pump house no 1 with poor workmanship, This should be rework. 6. Log book is not proper maintaining by KRMPL staff as per prescribed format. 7. New 3 Nos of pumps have recieved at site on 31.12.2021 for Pump House 01 (2 Nos 300cum/hr and 1 Nos 156 cum/hr). 8. Flow meter need to be installed by KRMPL. 9. 2 Nos light is not working. 10. Foundation work of pump house 01 need to be start by KRMPL. 11. Electrical hoist need to be replaced as per renovation plan. 12. Outdoor lightening not fixed properly.	23.11.2021		Pending
i	Pump no.1 (Capacity =297 m3/hr)	Pumps found functional		Need to be raplaced as per Rennovation Plan	23.11.2021		
ii	Pump no.2 (Capacity =156 m3/hr)	Pumps found functional		Need to be raplaced as per Rennovation Plan	23.11.2021		
iii	Pump no.3 (Capacity =297m3/hr)	Non functional		Pump no. 3 found non-operational since 27.05.2022,KRMPL needs to repair it on urgent basis.	23.11.2021		Pending


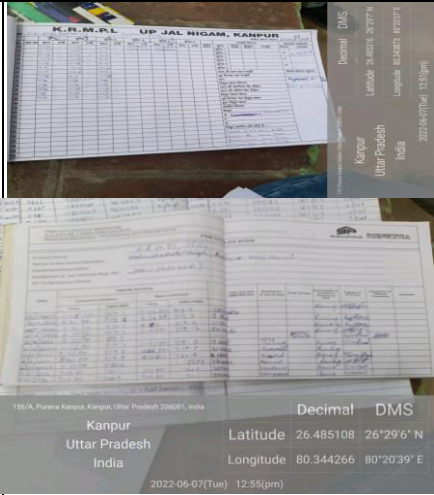
7	Pump House No.2	Civil Structure in unsatisfactory Condition		<p>1.Surface roof treatment is pending for Pump house</p> <p>2. Conseeionare is using this room as a store room stacking of Cement begs and diesel drum.</p> <p>3. Exhaust fan 2 nos needs to be replaced.</p> <p>4. Tube light 1 nos need to be replaced.</p> <p>5. Pump House pump found not to be working.</p> <p>6.KRMPL has done painting work inside and outside of the pump house no 1 with poor workmanship, This should be rework.</p> <p>7.Discharge line of the pumps to be dismatled by KRMPL without any information to UPJN/STC.</p> <p>8.Dismantling of pumps done by KRMPL without any information to UPJN/STC.</p> <p>9.Raw sewage pumps, 3 Nos. of Pump House No. 2 were damaged due to flooding on 18.01.2022. They were refurbished/ repaired and delivered to site on 15.02.2022. Raw sewage pumps and motors of Pump house No. 2 were found at site but KRMPL has not installed them .</p> <p>10. NRV & Electrical hoist need to be replaced as per renovation plan.</p>	23.11.2021		Pending
8	Open Channel and Sluice Gate	Civil Structure in unsatisfactory Condition		<p>1. KRMPL has not submitted and approval of fabrication work.</p> <p>2. Sluice gate need to be replace under renovation.</p>	23.11.2021		Pending
9	Boundary wall, Valve chambers and landscaping area	Civil Structure in unsatisfactory Condition		<p>1.KRMPL has painted the boundary wall with poor workmanship, This should be rework.</p> <p>2. Cleaning work of campus area need to be done by KRMPL.</p> <p>3. 8 Nos of outside lights only 4 Nos is in working condition.</p> <p>4. Valve chamber should be plastered and Covered properly.</p> <p>5. All valves need to be replace.</p>	23.11.2021		Pending
11	Transformer Yard	Civil Structure in satisfactory Condition		<p>1. Yard area need to be clean</p>	23.11.2021		Pending

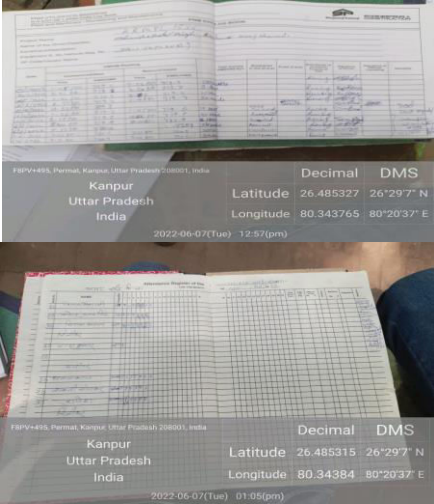

12	DG set room	Civil Structure in satisfactory Condition	 <p>Decimal DMS Latitude 26.498496 26°29'54" N Longitude 80.316253 80°18'58" E 2022-06-07(Tue) 11:37(am)</p>	<p>1. DG set is in working condition. 2. Log book of DG set is not maintaining by KRML. 3. Diesel surplus quantity is not available at site. 4. Smog exhaust pipe length is not sufficient as per CPCB/CPHEEO guidelines. It must be replaced on urgent basis.</p>	23.11.2021		Pending
13	Metering Room	Civil Structure in unsatisfactory Condition	 <p>Decimal DMS Latitude 26.498496 26°29'54" N Longitude 80.316253 80°18'58" E 2022-06-07(Tue) 11:38(am)</p>	<p>1. Seepage is available in the wall of this room this should be rectified. 2. Panel Volt meters and Ammeters need to be replaced. 3. All Phase Indicator need to be replaced.</p>	23.11.2021		pending
14	Logbook	Log book of pump house 01 not maintained by KRML	 <p>Decimal DMS Latitude 26.498376 26°29'54" N Longitude 80.316216 80°18'58" E 2022-06-07(Tue) 11:54(am)</p>	<p>1. Security guard need to be arranged by KRML. 2. Diesel stock log book has not maintained by KRML on regular basis. 3. Pumps log book has not maintained properly. 4. Maintenance records was not available at site for all E&M equipments. 5. Arrangement of reliever for Operators and sweepers should be done by KRML. 6. DG log book has not maintained by KRML properly. 7. Material inward and outward registers need to be maintained by KRML properly.</p>	28.06.2021		Long Pending
<div>STC</div> <div>SITE INSPECTION OF JAJMAU ASSOCIATED IPS REPORT</div>					Parmat IPS	Date: 07.06.2022	<p>INSPECTED BY: UPJN Team 1. Mr. Ajeet Singh, Civil J.En, UPJN Kanpur</p> <p>STC Team 1. Mr. Anuj Kushwaha, Support engineer civil, STC Kanpur 2. Mr. Rahul Sawan, Support engineer, Electrical, STC Kanpur KRML Team 1. Mr. Shri Krishna, Plant Incharge, KRML Kanpur</p>

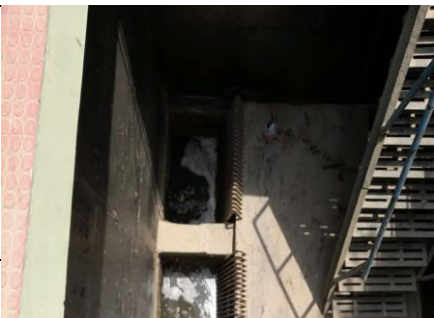



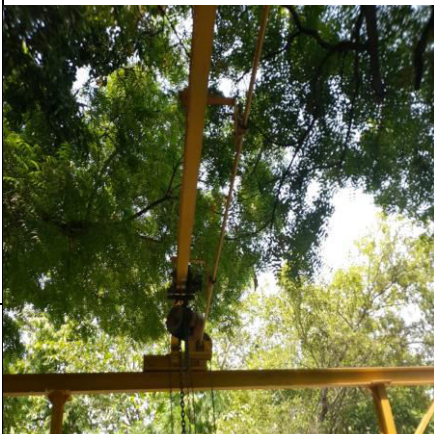
S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
A	All work						
*	Main entry Gate	1. No informatory sign board of Parmat IPS available at entry gate 2. Main entry gate found in damaged condition	 <p>115, Parmat Kanpur, Kanpur, Uttar Pradesh 208001, India</p> <p>Decimal DMS Latitude 26.484352 26°29'3" N Longitude 80.344113 80°20'38" E</p> <p>2022-06-07(Tue) 12:44(pm)</p>	1. KRMPL need to arrange informatory sign board of Parmat IPS need to be arranged. 2. Main entry gate need to be replaced.	07.04.2022		Pending
1	Inlet Chamber	Civil Structure is in satisfactory condition	 <p>Katarikanpur Kohna Uttar Pradesh India</p> <p>Decimal DMS Latitude 26.485246 26°29'6" N Longitude 80.344164 80°20'38" E</p> <p>2022-06-07(Tue) 12:45(pm)</p>	1. Renovation work need to done with all respect in inlet chamber. 3. Cleaning and landscaping need to be done. 5. KRMPL need to deploy a security guard for this IPS.	23.11.2021		Pending
2	Screen Chamber	Civil Structure is in satisfactory condition	 <p>Katarikanpur Kohna, Uttar Pradesh 208001, India</p> <p>Decimal DMS Latitude 26.485436 26°29'7" N Longitude 80.34379 80°20'37" E</p> <p>2022-06-07(Tue) 12:48(pm)</p>	1. Renovation required inner and outer surface of this chamber. 2. Plaster work need to be done. 3. Cleaning and landscaping need to be done. 4. MS frame cover should be painted.	23.11.2021		Pending
3	Receiving Chamber	Civil Structure is in satisfactory condition	 <p>Katarikanpur Kohna, Uttar Pradesh 208001, India</p> <p>Decimal DMS Latitude 26.485436 26°29'7" N Longitude 80.34379 80°20'37" E</p> <p>2022-06-07(Tue) 12:48(pm)</p>	1. Renovation required inner and outer surface of Receiving chamber in all respect. 2. Garbages material need to remove on timely basis. 3. Cleaning and landscaping need to be done. 4. MS frame cover should be painted.	23.11.2021		Pending

4	Pump house No. 1	Civil Structure is in unsatisfactory condition	 <p>1. Painting work carried out by KRMPL for Outer and inner surface of Pump house but workmanship found very poor. These all are represent improper quality of painting work. 3.Replacement of damaged Door,window,louvers and ventilators. 3. Outdoor lightening 10 Nos are available at site and only 4 Nos lights are in working condition. 4. DG set is not working for Pump house 01. 5. Flow meter need to be installed by KRMPL. 6. Dewatering pumps need to be arrange at bottom of Pump house. 7. Flooring work need to be carried out by KRMPL. 8. Internel lightening arrangement need to be replaced for DG set room of Pump house 01. 9. Operators are non technical person. They are not understanding the Pump Capacity , Flow of Discharge, Peak Flow and maintain the records. 10. Pipeline and all type valves need to be replaced.</p>	23.11.2021		Pending
i	Pump No.1(pump capacity =900 m3/hr)	Pump found operational	 <p>New pump has been installed at 15.03.2022. But installation of new valves, pipeline and fittings are still pending.</p>	23.11.2021		Pending
ii	Pump No.2(pump capacity =900 m3/hr)	Pump found operational	 <p>1.Need to be replaced as per Renovation Plan.</p>	23.11.2021		Pending
5	Pump House No.2	Civil Structure is in unsatisfactory condition	 <p>1. No labour egagaged by KRMPL for renovation work. 2. Painting work need to be rework with proper workmanship and material as per recommended by UPJN and PE. 3. KRMPL did not submit any work plan, Methodology and material approval form PE / UPJN. 4. Required repairing the cracks, Finishing activity painting work, Replacement of damaged Door,window,louvers and ventilators. 5.All indoor lightening need to be replaced. 6.Dewatering pumps need to be arrange at bottom of Pump house. 7. Flooring work need to be carried out by KRMPL 8. Flow meter need to be installed by KRMPL. 9. Operators are non technical person. They are not understanding the Pump Capacity , Flow of Discharge, Peak Flow and maintain the records. 10. Pipeline and all type valves need to be replaced.</p>	15.12.2021		Pending




i	Pump No.1(pump capacity =1320 m3/hr)	Non operational		1. During site visit it was found that pump no 1 was not in working condition since handover of this IPS. 2. Need to be replaced as per Renovation Plan	23.11.2021		Pending
ii	Pump No.2(pump capacity =1320 m3/hr)	Operational		1. Need to be replaced as per Renovation Plan	23.11.2021		Pending
iii	Pump No.3(pump capacity =1320 m3/hr)	Non operational		1. Need to be replaced as per Renovation Plan	23.11.2021		Pending
6	Pump House No. 3	Civil Structure is in unsatisfactory condition		1.Required repairing the cracks, Finishing activity painting work, Replacement of damaged Door,window,louvers and ventilators. 2. Pump 3 Nos found not in working condition. 3. Design and drawing for E&M shall be submitted by KRMPL. 4. Outside and inside painting work done by KRMPL under renovation.	23.11.2021		Pending
7	DG room	Civil Structure is in unsatisfactory condition		1.Required repairing the cracks, Finishing activity painting work, Replacement of damaged Door,window,louvers and ventilators. 2. KRMPL had completed surface roof treatment without any approval of construction methodology of surface roof treatment. 4. KRMPL is not maintaining the log book of DG set. 5. Smog exhaust pipe length is not sufficient as per CPCB/CPHEO guidelines. It must be replaced on urgent basis.	23.11.2021		Pending
8	Metering room	Civil Structure is in unsatisfactory condition		1. Inside and outside painting work done by KRMPL under renovation. 2. Replacement of damaged Door,window,louvers and ventilators is pending. 3. Flooring work need to be renovate.	23.11.2021		Pending





9	Panel Room	Civil Structure is in unsatisfactory condition	 <p>136/A, Purana Kanpur, Kanpur, Uttar Pradesh 208001, India</p> <p>Kanpur Uttar Pradesh India</p> <p>Latitude 26.485291 26°29'7" N Longitude 80.344106 80°20'39" E 2022-04-07 (Thu) 12:17 (pm)</p>	<p>1. Inside and outside painting work done by KRMPL under renovation.</p> <p>2. Replacement of damaged Door,window,louvers and ventilators.</p> <p>2. Panel Volt meters and Ammeters need to be replaced.</p> <p>3.All Phase Indicator need to be replaced.</p>	23.11.2021		Pending
10	Loahank	Log book of pump house 01 and pump house no. 02 has not	 <p>K.R.M.P.L. UP JAL NIGAM, KANPUR</p> <p>136/A, Purana Kanpur, Kanpur, Uttar Pradesh 208001, India</p> <p>Kanpur Uttar Pradesh India</p> <p>Latitude 26.485108 26°29'6" N Longitude 80.344266 80°20'39" E 2022-06-07 (Tue) 12:55 (pm)</p>	<p>1. Log book of pumps and DG set are not being maintained by KRMPL.</p> <p>2. KRMPL has not arranged adequate number of staff (Operators, Sweepers and relievers) for proper O&M of IPS and attendance register manipulated staff details. Operators are non technical person. They are</p>	23.07.2021		Pending


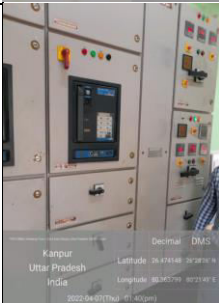



		House No. 02 has not maintained by KRMPL properly		<p>detected. Operators are non technical person. They are not understanding the Pump Capacity , Flow of Discharge, Peak Flow and maintain the records.</p> <p>3. KRMPL need to maintain Visitor Register.</p> <p>4. Security guard need to be deploy.</p> <p>5. No labour available by KRMPL for renovation work.</p>			
<div>STC</div> <div>SITE INSPECTION OF JAJMAU ASSOCIATED IPS REPORT</div>					Baba Ghat -7 MLD	Date: 07.06.2022	INSPECTED BY: UPJN Team 1. Mr.Ajeet Singh,Civil J.En,UPJN Kanpur STC Team 1. Mr Anuj Kushwaha,Support engineer civil,STC Kanpur 2. Mr.Rahul Sawan,Support engineer,Electrical,STC Kanpur KRMPL Team 1. Mr. Shri Krishna ,Plant Incharge,KRMPL Kanpur
S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
A	All work						
1	Inlet Over Flow Condition	During site visit it was found that there are no Overflow or Bypass of sewage found.		1. During site visit it was found that there are no Overflow or Bypass of sewage found. 2. Raw sewage by-pass sluice gate need to be replaced. Design,drawing need to be submitted by KRMPL.	4.01.2022		Pending


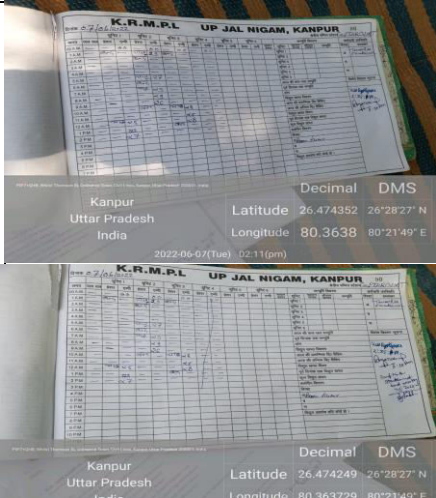
2	Inlet Chamber (Civil)	Civil Structure is in satisfactory condition		<ol style="list-style-type: none"> 1. All gates need to be lubrication. 2. Sludge need to be remove from inlet part of IPS. 	23.11.2021		Pending
3	Screen Chamber	Civil Structure is in satisfactory condition	 <div> <p>7576, Green Park, Kanpur, Kanpur, Uttar Pradesh 208001, India</p> <p>Decimal DMS</p> <p>Kanpur Uttar Pradesh India</p> <p>Latitude 26.48229 26°28'56" N Longitude 80.351181 80°21'4" E</p> <p>2022-06-07(Tue) 01:23(pm)</p> </div>	<ol style="list-style-type: none"> 1. Garbages removal work should be done on regular basis. 2. Trolly need to be available at side for disposal of gargaes. 	23.11.2021		Pending
4	Receiving chamber	Civil Structure is unsatisfactory condition.		<ol style="list-style-type: none"> 1. Chamber need to be clean and cover properly. 2. All valves need to be replace. 3. All stud bolts and gasket need to be replace. 4. Lubrication for valves and pumps ,sluice gates need to be done by KRMPL. 5. Pressure guage need to be provided by KRMPL. 	15.12.2021		Pending
5	Pump House	Civil Structure is in good condition.	 <div> <p>7576, Green Park, Kanpur, Kanpur, Uttar Pradesh 208001, India</p> <p>Decimal DMS</p> <p>Kanpur Uttar Pradesh India</p> <p>Latitude 26.482325 26°28'56" N Longitude 80.3511 80°21'3" E</p> <p>2022-06-07(Tue) 01:24(pm)</p> </div> 	<ol style="list-style-type: none"> 1. Exposure of steel in staircase bottom slab need to be renovate. 2. Inside the pump house, Light is not working. 3. EOT load test required by KRMPL. 4. Flow meter need to be installed by KRMPL. 5. Log book is not proper maintaing by KRMPL staff at site with all details. 6. Staircase is in bad condition and need to be renovate. 7. Cable dressing need to be done properly. 8. Operators are non technical person. They are not understanding the Pump Capacity , Flow of Discharge, Peak Flow and maintain the records. 	23.11.2021		Pending
i	Pump no.1(Capacity=309cum/hr)	Non-operatioal		<ol style="list-style-type: none"> 1. New pump has been installed at 14.03.2022 to 20.03.2022. 2. KRMPL has not submitted any RFI during installation of new pumps. 3. Pump no. 01 found damaged from 02.06.2022, KRMPL needs to be repair on urgent basis 	15.12.2021		Pending

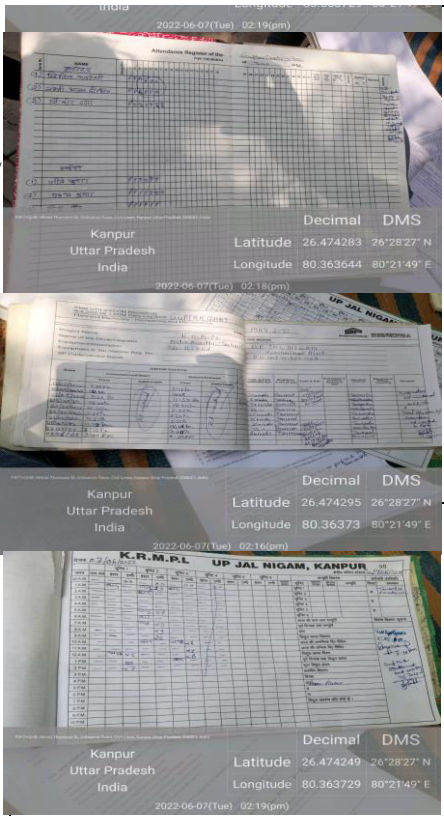
ii	Pump no.2(Capacity=309cum /hr)	Operational		New pump has been installed at 14.03.2022 to 20.03.2022. KRMPL has not submitted any RFI during installation of new pumps.	23.11.2021		Pending
iii	Pump no.3(Capacity=168 cum/hr)	Operational		New pump has been installed at 14.03.2022 to 20.03.2022. KRMPL has not submitted any RFI during installation of new pumps.	23.11.2021		Pending
6	Boundary wall and landscaping area	Civil Structure is in good condition.		1. Fencing work is pending. 2. Only 1 Nos outdoor light is working condition out of 4 Nos. 3.Security guard need to be arrange by KRMPL. 4. Cleaning work need to be carried out by KRMPL.	23.11.2021		Pending
7	Panel Room	Structure is in unsatisfactory condition		1. Front door glass need to be repair. 2. Panel Volt meters and Ammeters need to be replaced. 3.All Phase Indicator need to be replaced. 4. Rain water pipe need to be fixed. 5. Panel starter for pump no. 1 and no. 2 are not in working condition since 02.04.2022 and 28.03.2022 respectively.	23.11.2021		Pending
8	DG Room	Civil Structure is in good condition.		1. Need to be replaced immediately DG set. 2. KRMPL is not maintaining the log book for DG set. 3. Smog exhaust pipe length is not sufficient as per CPCB/CPHEEO guidelines.It must be replaced on urgent basis.	23.11.2021		Pending
9	Store Room	Civil Structure is in unsatisfactory condition.		1. Door need to be fixed. 2. Dampness should be removed as per required action. 3. Electric switch board need to be replace	23.11.2021		Pending

10	Logbook	Logbooks are not maintain properly by KRMPL	<div><p>Kanpur Uttar Pradesh India</p><p>Decimal DMS Latitude 26.482449 26°28'56" N Longitude 80.351011 80°21'3" E 2022-06-07(Tue) 01:37(pm)</p></div> <div><p>Kanpur Uttar Pradesh India</p><p>Decimal DMS Latitude 26.4821 26°28'55" N Longitude 80.350948 80°21'3" E 2022-06-07(Tue) 01:42(pm)</p></div> <div><p>Kanpur Uttar Pradesh India</p><p>Decimal DMS Latitude 26.482463 26°28'56" N Longitude 80.350982 80°21'3" E 2022-06-07(Tue) 01:31(pm)</p></div>	<div>1. Log book of pumps and DG set are not being maintained by KRMPL.</div> <div>2. KRMPL has not arranged adequate number of staff (Operators, Sweepers and relievers) for proper O&M of IPS and attendance register manipulated staff details. Operators are non technical person. They are not understanding the Pump Capacity , Flow of Discharge, Peak Flow and maintain the records.</div> <div>3. KRMPL need to maintain Visitor Register.</div> <div>4. Security guard need to be deploy.</div> <div>5. No labour available by KRMPL for renovation work.</div>	28.06.2022	Pending	
<div>STC</div> <div>SITE INSPECTION OF JAJMAU ASSOCIATED IPS REPORT</div>				Guptar Ghat	Date: 07.06.2022	<div>INSPECTED BY: UPJN Team 1. Mr.Ajeet Singh,Civil J.En,UPJN Kanpur</div> <div>STC Team 1. Mr Anuj Kushwaha,Support engineer civil,STC Kanpur 2. Mr.Rahul Sawan,Support engineer,Electrical,STC Kanpur KRMPL Team 1. Mr. Shri Krishna ,Plant Incharge,KRMPL Kanpur</div>	
S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
A	All work						

1	Inlet Over Flow Condition	No over flow		During site visit it was found that there are no Overflow/Bypass of sewage .	02.03.2022		Pending
2	Inlet Chamber	Civil Work is in satisfactory Condition		1. All gates need to be lubrication.	15.12.2021		pending
3	Manual bar Screen Chamber	Civil Work is in satisfactory Condition		1. Garbages need to be remove on regularly. 2. Garbage trouly need to be available at Site.	23.11.2021		pending
4	Mechanical bar screen Chamber	Civil Work is in satisfactory Condition		1. Both mechnical screen and conveyor belt found non-operational at the time of inspection.It was started when asked by UPJN/STC representative. 2. Mechanical screen no. 1 is working only in auto mode. 3. Auto System and level sensor meter is not in woking condition. 4. Screen panel On/Off main power selector switch has been found in not working properly. 5. Screen No. 2 is in working condition. 6. Conveyor belt is in working condition. 7. Garbages need to be remove on regularly. 8. Garbage trouly need to be available at Site. 9. All leakages of Oil need to be repair. 10. Conveyor belt is not working in auto mode. 11. Screen No 1 is not working in manual mode. 12. Chain in conveyor belt is not available.	15.12.2021		pending

5	Pump House	Civil Work is in satisfactory Condition	 <p>1. Pump No 1,2,3 and 4 are in working condition. 2. EOT crane painting work is pending and Test certificate of load test also required. 3. Only 3 Nos of light is in woking condition out of 7 Nos in IPS campus. 4. Operators are non technical person. They are not understanding the Pump Capacity , Flow of Discharge, Peak Flow and maintain the records. 5. Flow meter is not in working condition.</p>	23.11.2021		pending
6	Panel room	Civil Work is in satisfactory Condition	  <p>1. Pump flow meter is not in woking conditio sice handover.</p>	23.11.2021		pending
7	Metering room	Civil Work is in satisfactory Condition	 <p>1. Meter room need to be clean with proper facility of Electric switch and light inside the room.</p>	23.11.2021		pending
8	DG yard	Civil Work is in satisfactory Condition	 <p>1. DG set is in working condition. 2. Log book of DG set is not maintain by KRMPL properly. 3. Smog exhaust pipe length is not sufficientr as per CPCB/CPHEEO guidelines.It must be replaced on urgent basis.</p>	23.11.2021		pending

9	Transformer yard	Civil Work is in satisfactory Condition	 <p> Kanpur Uttar Pradesh India 2022-04-07(Thu) 01:38(pm) </p> <p> Decimal DMS Latitude 26.481766 26°28'54" N Longitude 80.349842 80°20'59" E </p>	1. Transformer No 1 received at site on 08.03.2022 but their termination work is still pening. 2. Transformer yard area need to clean. 3. All earthing chamber need to be cover.	13.12.2021		pending
10	Handrailing work	satisfactory Condition		1. Installation of handrails need to be done by KRMPL properly. 2. Security guard need to be arrange by KRMPL	23.11.2021		pending
			 <p> Kanpur Uttar Pradesh India 2022-06-07(Tue) 02:11(pm) </p> <p> Decimal DMS Latitude 26.474352 26°28'27" N Longitude 80.3638 80°21'49" E </p> <p> Kanpur Uttar Pradesh India 2022-06-07(Tue) 02:11(pm) </p> <p> Decimal DMS Latitude 26.474249 26°28'27" N Longitude 80.363729 80°21'49" E </p>				

11	Logbook/Records/Documentation	Logbooks are not maintain properly by KRMPL		<ol style="list-style-type: none"> 1. Log book of pumps and DG set are not being maintained by KRMPL. 2. KRMPL has not arranged adequate number of staff (Operators, Sweepers and relievers) for proper O&M of IPS and attendance register manipulated staff details. Operators are non technical person. They are not understanding the Pump Capacity , Flow of Discharge, Peak Flow and maintain the records. 3. KRMPL need to maintain Visitor Register. 4. Security guard need to be deploy. 5. No labour available by KRMPL for renovation work. 	23.07.2021	Pending
----	-------------------------------	---------------------------------------------	-----------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------	---------

Remarks:- A) Internal and External Painitng work (for Structures and Building):-
KRMPL did not work properly by which it is not acceptable and it did not fulfill acceptance criteria as per CA

1. All painted work surfaces shall be uniform and pleasing in appearance.
2. The colour ,texture etc shall match exactly with the approved samples.
3. All stains, splashes and slatters of paints shall be removed from surrounding surfaces.

KRMPL need to take necessary action for proper Painting work.

B) Smog exhaust pipe length is not sufficient as per CPCB/CPHEEO guidelines. It must be replaced on urgent basis.

C) All E&M equipments need to be replaced as per CA schedule 11.

D) CCTV need to be installed.

E) Power backup need to be arranged by KRMPL.





F) Inlet and outlet flow meter need to be installed.

G) Overflow condition need to be controlled for IPSs, CUPS.



Signature:


**TEAM LEADER
STC KANPUR**



SITE INSPECTION OF JAJMAU ASSOCIATED IPS REPORT					CSPS Jajmau	Date: 20.06.2022	INSPECTED BY: UPJN team: 1. Mr. Sehzeb Iqbal, Jen Civil, UPJN Kanpur STC team:- STC team 1. Mr. Anuj Kushwaha, Support engineer-Civil KRML team Mr. Debashish, Senior engineer, KRML
S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRML	Current Status of Compliance
A	All work						
1	Ganga Ghat Inlet Chamber	Operational	 <p>CCSF-HQKH, Jajmau, Kanpur, Uttar Pradesh 208008, India Kanpur Uttar Pradesh India Decimal DMS Latitude 26.417626 26°25'3" N Longitude 80.425065 80°25'30" E 2022-04-19(Tue) 01:43(pm)</p>	1. Proper barricade required. 2. Cleaning work need to be done. 3. Balance renovation work need to be done by KRML. 4. 2 Nos gate to be replaced as per CA schedule 11. 5. Bypass gate gear system is in working condition.	16.12.2021		Pending
1	Receiving chamber-1	Civil work is in satisfactory condition		1. Cleaning work need to be done. 2. Balance renovation work need to be done by KRML. 3. Hand rail need to be repair. 4. Level marking work need to be done by KRML.	23.11.2021		Pending
2	Manual bar Screen Chamber	Civil work is in satisfactory condition	 <p>CCSF-HQKH, Jajmau, Kanpur, Uttar Pradesh 208009, India Kanpur Uttar Pradesh India Decimal DMS Latitude 26.417836 26°25'4" N Longitude 80.424992 80°25'29" E 2022-06-20(Mon) 01:17(pm)</p>	1. Garbage need to be remove regularly. 2. KRML is dumping the garbage in CSPS Jajmau Campus. 3. Balance renovation work need to be done. 4. MS screen need to be replace. 5. Plaster work need to be done with proper quality. 6. Garbage trolley need to available at site. 7. KRML needs to arrange adequate sweeper staff to dispose the garbage for raising level difference.	16.12.2021		Pending
3	Mechanical Coarse Screen chamber	Civil work is in satisfactory condition	 <p>CCSF-HQKH, Jajmau, Kanpur, Uttar Pradesh 208009, India Kanpur Uttar Pradesh India Decimal DMS Latitude 26.414897 26°25'8" N Longitude 80.425111 80°25'9" E 2022-06-20(Mon) 01:17(pm)</p>	1. Both mechanical screen and conveyor belt found non-operational at the time of inspection. It was started when asked by UPJN/STC representative. It was found screens operated by sweeper during UPJN/STC site inspection. 2. Sluice gate at Inlet and Outlet need to be replaced. 3. Garbage need to be remove regularly. 4. Painting work need to be done with proper workmanship for inside and outside of building. 5. Electric switch board need to be repair. 6. Drain water pipe need to be fixed. 7. Cleaning and landscaping work need to be done. 8. Conveyor belt chute need to be replaced by KRML.	23.11.2021		Pending

4	Collection Chamber	Civil work is in satisfactory condition		<ul style="list-style-type: none"> 1. Cleaning work need to be done. 2. Balance renovation work need to be done by KRMPL. 3. Plaster work need to be done with proper workmanship for inside staircase. 	23.11.2021		Pending
5	Pump House	Civil work is in Satisfactory condition		<ul style="list-style-type: none"> 1. Renovation work is in under progress. 2. Broken glass of window , door need to be repair. 3. Indoor 14 Nos lightening work need to be replaced. 4. CCTV camera need to be replaced / Repair. 5. Panel Volt meters and Ammeters need to be replaced. 6. All Phase Indicator need to be replaced. 7. EOT painting ongoing without approval and EOT load test has not conducted by KRMPL. 8. Vibration has not checked by Operator on regular basis. 9. Log book is not proper maintain by KRMPL staff as per prescribed format. 10. 1 Nos is in working condition out of 2 Nos of 	23.11.2021		Pending
i	Pump no.1 (Capacity 2160 m3/hr)	Operational		1. Need to be replaced as per Renovation Plan	14.8.2021		Pending
ii	Pump no.2 (Capacity 2160 m3/hr)	Non-Operational since 15.02.2022		1. Need to be replaced as per Renovation Plan	13.12.2021		Pending
iii	Pump no.3 (Capacity 2160 m3/hr)	Operational but heavy leakage found		1. Need to be replaced as per Renovation Plan	23.11.2021		Pending
iv	Pump no.4 (Capacity 2160 m3/hr)	Operational but heavy leakage found		1. Need to be replaced as per Renovation Plan	23.11.2021		Pending
v	Pump no.5 (Capacity 2160 m3/hr)	Operational but heavy leakage found		<ul style="list-style-type: none"> 1. Need to be replaced as per Renovation Plan. 2. Heavy vibration in pump need to be repaired 	23.11.2021		Pending
vi	Pump no.6 (Capacity 2160 m3/hr)	Non Operational since 18.01.2022		1. Need to be replaced as per Renovation Plan	23.11.2021		Pending
vii	Pump no.7 (Capacity 2160 m3/hr)	Operational		1. Need to be replaced as per Renovation Plan	23.11.2021		Pending

6	Substation building	Operational	 <p>CCBP-HQH, Jajmau, Kanpur, Uttar Pradesh 208008, India</p> <p>Decimal DMS Latitude 26.418049 26°25'4" N Longitude 80.424671 80°25'28" E</p> <p>2022-06-20(Mon) 01:20(p.m)</p>	<ol style="list-style-type: none"> 1. 11KV HTVCB panel to be replaced. 2. LT A.C.B panel 440 V found non functional. 3. All light to be replaced in sub station. 4. All store material dumped in substation building. 	16.12.2021		Pending
7	DG yard	Operational	 <p>CCBP-HQH, Jajmau, Kanpur, Uttar Pradesh 208008, India</p> <p>Decimal DMS Latitude 26.418049 26°25'4" N Longitude 80.424671 80°25'28" E</p> <p>2022-06-20(Mon) 01:20(p.m)</p>	<ol style="list-style-type: none"> 1. DG set is in working condition when it was checked oil needs to fill. 2. MS base frame need to be replace. 3. DG yard need to be clean. 4. Log book need to be maintain for DG set. 5. Smog exhaust pipe length is not sufficienttr as per CPCB/CPHEEO guidelines.It must be replaced on urgent basis. 	4.1.2022		Pending
8	Transformer Yard	Operational		<ol style="list-style-type: none"> 1. Transformer foundation done by KRMPL but the didi not provide any inspection information during RCC work . 2. Renovation of Transformer yard need to be done. 	16.12.2021		Pending
9	Boundary wall	Civil work is in unsatisfactory condition		<ol style="list-style-type: none"> 1. Poor workmanship and materail did not done by KRMPL. Rework is required 2. Landscaping area need to be clean. 	4.1.2022		Pending
10	Sluice valve Chamber	Civil work is in unsatisfactory condition	 <p>CCBP-HQH, Jajmau, Kanpur, Uttar Pradesh 208008, India</p> <p>Decimal DMS Latitude 26.417794 26°25'4" N Longitude 80.424699 80°25'28" E</p> <p>2022-04-19(Tue) 01:32(p.m)</p>	<ol style="list-style-type: none"> 1.Discharge line chamber should be cover with frame cover. 4. Internal cleaning need to be done. 3. Internal plaster work need to be done. 4. Valve need to be replaced as per approved renovation plan. 	23.11.2021		Pending
11	Logbook/Records/Documentation	Logbooks are not maintain properly by KRMPL	 <p>Decimal DMS Latitude 26.41854 26°25'4" N Longitude 80.42464 80°25'14" E</p> <p>2022-06-20(Mon) 01:13(p.m)</p>	<ol style="list-style-type: none"> 1. Log book of pumps and DG set are not being maintained by KRMPL. 2. KRMPL has not arranged adequate number of staff (Operators, Sweepers and relievers) for proper O&M of IPS and attendance register manipulated staff details. Operators are non technical person. They are not understanding the Pump Capacity , Flow of Discharge, Peak Flow and maintain the records. 3. KRMPL need to maintain Visitor Register. 4. Security guard need to be deploy. 5. No labour available by KRMPL for renovation work. 	23.7.2021		Pending

<p><u>Remarks:-</u> A) Internal and External Painting work (for Structures and Building):- KRMPL did not work properly by which it is not acceptable and it did not fulfill acceptance criteria as per CA</p> <p>1. All painted work surfaces shall be uniform and pleasing in appearance. 2. The colour, texture etc shall match exactly with the approved samples.</p> <p>3. All stains, splashes and slatters of paints shall be removed from surrounding surfaces. KRMPL need to take necessary action for proper Painting work.</p> <p>B) Smog exhaust pipe length is not sufficient as per CPCB/CPHEEO guidelines. It must be replaced on urgent basis.</p> <p>C) All E&M equipments need to be replaced as per CA schedule 11.</p> <p>D) CCTV need to be installed.</p> <p>E) Power backup need to be arranged by KRMPL.</p> <p>F) Inlet and outlet flow meter need to be installed.</p> <p>G) Overflow condition need to be controlled for IPSs, CSPS.</p>	<p><u>Signature:</u></p> <p>TEAM LEADER STC KANPUR</p> 
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------