



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

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E-Mail : pe.kanpurstc@gmail.com

Ref. STC / PE / KNP /20/2/ Jajmau Phase I

Date : 28.02.2023

To,
SE
Construction circle
Uttar Pradesh Jal Nigam (Rural)
Kanpur, UP


Sub: HAM KANPUR: Inspection Report of 130 MLD STP Jajmau facilities, inspection done on 01.02.2023, 04.02.2023, 13.02.2023, and 15.02.2023.

Following NMCG, UPJN, STC, & KRMPL officials were present.

1. Ms. Nidhi Diwedi, NMCG
2. Mr. Gyanendra Choudary, PM1 UPJN
3. Mr. Shezeb Iqbal, AE UPJN
4. Mr. Vipin Pal, JE UPJN
5. Mr. Anil Kumar Seth, Team Leader, STC Kanpur
6. Mr. Ajay Kumar Goyal, Support Engineer (Mechanical), STC Kanpur
7. Mr. Rahul Sarwan, Support Engineer (Electrical), STC Kanpur
8. Mr. Inder Dev Pandey, Support Engineer (Civil), STC Kanpur
9. Mr. Karam Veer Singh, Site Supervisor (Civil), STC Kanpur
10. Ms. Divya Mittal, Site Supervisor (Electrical), STC Kanpur
11. Mr. Krishna, (Plant In charge), KRMPL
12. Mr. Akashay Tripathi (Process Engineer), KRMPL Kanpur

With reference to above subject the Inspection Report of 130 MLD STP Jajmau of joint inspection held on 01.02.2023, 04.02.2023, 13.02.2023, and 15.02.2023 is attached here with for your information and necessary action. Kindly direct the concessionaire to incorporate the points mentioned in the enclosure and submit the compliance.

Encl: Inspection report of 130 MLD STP


(Anil Kumar Seth)

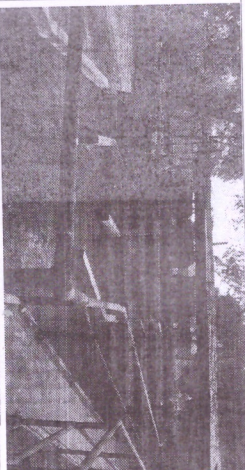

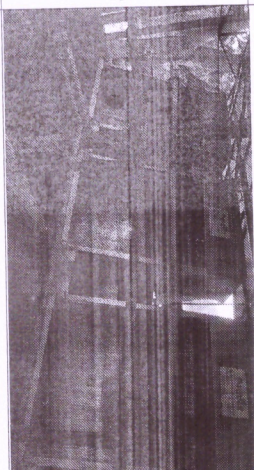

Team Leader, STC Kanpur

Copy to the following with enclosure 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.

T.L

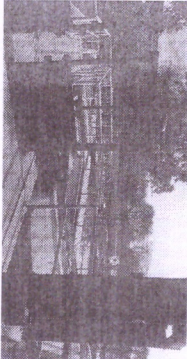
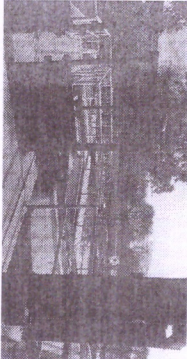
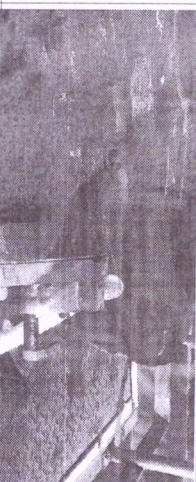
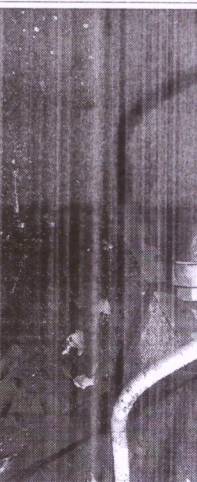

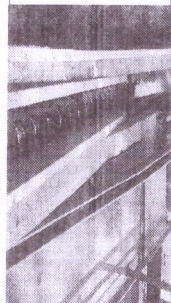
SITE INSPECTION REPORT

STC								
SITE INSPECTION REPORT								
S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Corrective Action Completed by	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
A	Collection Chamber			1. All gates to be replaced. 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. Toe guard to be provided in hand railing. 5. TML marking should be done with paint.		27.11.2021		Pending
1	Inlet Chamber (CWI)	Operational		1. Railing and its foundation needs to be repaired. 2. Reinforced concrete work found required. 3. Formwork work of inlet chamber chamber need to be done properly. 4. Toe guard to be provided in hand railing. 5. RPP coating done in hand railing.		27.11.2021		Pending
2	Gate/Valves and Covering Shed	Need Overhauling / Replacement		1. Gate may be motorized if possible. 2. Hand railing replaced. 3. Level Transmitter to be replaced. 4. Shed to be replaced. 5. TML marking done with paint.		27.11.2021		Pending
B	Fine Screen Chamber (Mechanical / Manual)			1. Renovation work found not properly. 2. Garbage, like Plastic bags, leather pieces, clothes must be removed from Belt conveyor of Screen Chamber regularly. 3. Need to be replaced the gates. 4. Proper Lighting need to be provided at Screen area. 5. Level scale should be properly clean and marking should be clearly visible. 6. MS Fabrication equipment & tools along with MS Shed also corroded & losses its strength. 7. In MS shed pipes are corroded & Colour of shed also worn out. 8. Mechanical Screen not working with auto system and without sensor. Need to be fixed the auto system immediately. 9. New cables should be laid properly in cable trays. 10. RPP coating done in Hand railing, screen channel area. 11. Maximum gap in bar screen should be fill.		27.11.2021		Pending
3	Screen Chamber (CWI)	Need Renovation		1. Renovation work found not properly. 2. Garbage, like Plastic bags, leather pieces, clothes must be removed from Belt conveyor of Screen Chamber regularly. 3. Need to be replaced the gates. 4. Proper Lighting need to be provided at Screen area. 5. Level scale should be properly clean and marking should be clearly visible. 6. MS Fabrication equipment & tools along with MS Shed also corroded & losses its strength. 7. In MS shed pipes are corroded & Colour of shed also worn out. 8. Mechanical Screen not working with auto system and without sensor. Need to be fixed the auto system immediately. 9. New cables should be laid properly in cable trays. 10. RPP coating done in Hand railing, screen channel area. 11. Maximum gap in bar screen should be fill.		27.11.2021		Pending
4	Mechanical Fine Screen no. 1	Operational		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 submitted by KRMPL. 5. Without getting approval for shut down and changing the Raw sewage for the same work, KRMPL has not been submitted any approval. 6. Cable dressing not done properly. 7. Screen motor cable gland are not fixed.		27.11.2021		Pending

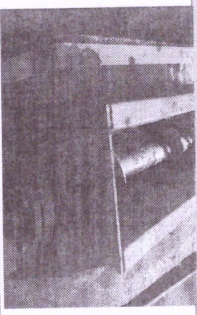

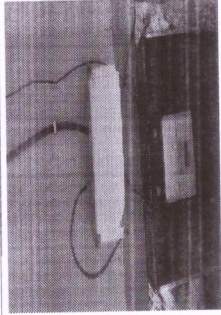
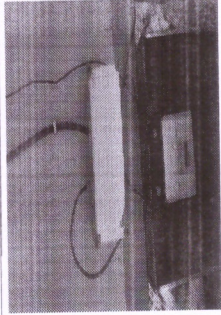
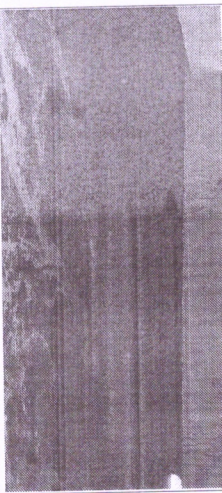

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Inspected STP : 100 MLD 01.07.2023, 04.07.2023, 13.07.2023, and 15.07.2023								
S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Corrective Action Completed by	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
5	Mechanical Fine Screen no. 2	Operational		1. Mechanical screen of teeth are damaged. KRMPL has not been repaired. 2. Screen needs to be clean periodically depends on the sewage. 3. Mechanical screen not working with auto system and without sensor. Need to be fixed the auto system immediately. 4. New Cables should be laid properly in cable trays. 5. Screen panel sensor screen not fixed.		27.11.2021		Pending
6	Mechanical Fine Screen no. 3	operated		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 hasw not been submit by KRMPL. 5. Mechanical screen of teeth are damaged. KRMPL has not been repaired.		27.11.2021		Pending
7	Manual Screen no. 1	Under installation		1. KRMPL has been installed manual screen. 2. KRMPL not fix anchor faster. KRMPL provide according to SS316/SS304 anchor fastener.		27.11.2021		Pending


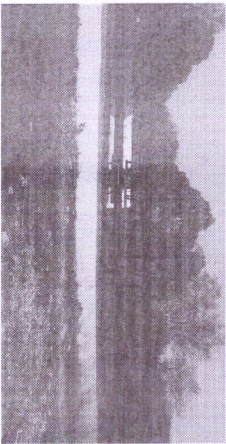
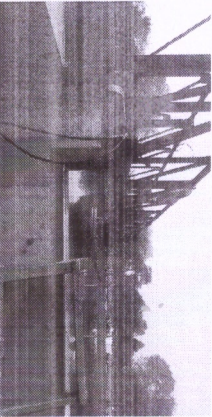
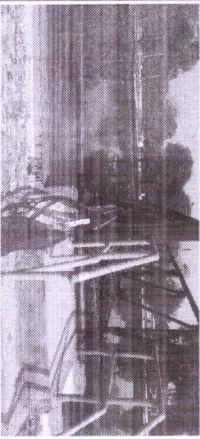
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C	Grit Chamber			1. Repairing of Grit chamber done as per schedule 2. Contractor is instructed to fill the water for hydrotest work on Grit Chamber 03 3. Renovation in screw conveyor channel is pending 4. Foundation of Grit chamber should be remove		27.11.2021		Pending	
8	Grit Chamber	Structure Civil work done and Mechanical work will start accordingly		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. IPBS need to be installed as per approved drawing. 5. Mobil leakage in grit no 1, KRMPL need to be fix it. 6. KNOF Houser not working. 7. TWT marking should be done with paint. 8. ORP non operational		27.11.2021		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. IPBS need to be installed as per approved drawing. 5. Mobil leakage in grit no 1, KRMPL need to be fix it. 6. KNOF Houser not working. 7. TWT marking should be done with paint. 8. ORP non operational		27.11.2021		Pending	
10	Grit Mechanism-2	Operated		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. IPBS need to be installed as per approved drawing. 5. Torque switches installation done without canopy at all equipment. 6. Power supply is given to torque switch & associated equipment from temporarily MCB. Permanent supply is to be provided		27.11.2021		Pending	
11	Grit Mechanism-3	Operated		1. Repairing of Grit chamber done as per schedule. 2. Contractor is instructed to fill the water for hydrotest work on Grit Chamber 03 3. Renovation in screw conveyor channel is pending. 4. Grit Mechanism No. 3 torque switch was not in working condition. 5. Cable dressing not done properly. 6. Tonguard need to be provide in handdrilling		27.11.2021		Pending	
12	Grit Classifier-1	operational		1. PM work shuld be done as per schedule. 2. Grit Classifier alignment has not been done by KRMPL as per approved drawing. 3. IPBS need to be installed work is pending		27.11.2021		Pending	

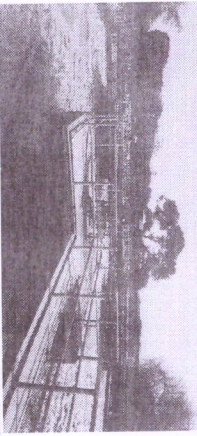
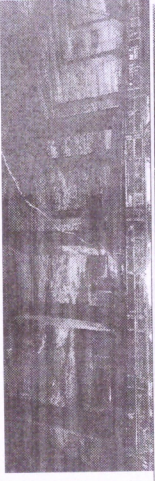

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13	Grit Classifier - 2		1. Need to be repaired immediately and to be replaced as per the CA. 2. Grit Classifier alignment has not been done by KRMPL as per approved drawing. 3. Organic pump need to be replaced as per approved drawing. 4. LPBS need to be installed work is pending. 5. Not lifting the grit.		27.11.2021	01.07.2023, 04.07.2023, 13.02.2023, and 15.02.2023	1. Mr. Madhu Choudhary, PMT UPJH 2. Mr. Suresh Choudhary, PMT UPJH 3. Mr. Suresh Choudhary, PMT UPJH 4. Mr. Venu Pal, JE UPJH 5. Mr. Anil Kumar Singh, Train Leader, STC Kanpur 6. Mr. Anil Kumar Singh, Support Engineer (Mechanical), STC Kanpur 7. Mr. Rajul Sarwan, Support Engineer (Electrical), STC Kanpur 8. Mr. Indar Dev Pandey, Support Engineer (Civil), STC Kanpur 9. Mr. Kiran Kumar Singh, Site Supervisor (Civil), STC Kanpur 10. Mr. Dnyaneshwar, Site Supervisor (Electrical), STC Kanpur 11. Mr. Krishna, Plant in charge, KRMPL
14	Grit Classifier - 3		1. Repairing of Grit Chamber done as per schedule. 2. Contractor is instructed to fill the water for hydrotest work on Grit Chamber 03. 3. Lifting grit with water. 4. LPBS need to be installed work is pending.		27.11.2021		Pending
D	Partial flume and flow meter						
16	Partial flume and flow meter (Civil)		1. Channel renovation work done but hydrotest of the channel is pending. 2. Painting procedure has been submitted by KRMPL. 3. Level scale need to be installed for proper flow measurement.		27.11.2021		Long Pending
18	Flow meter		1. Flow meter found working and under the trial run. 2. Meter box to be installed at site. 3. Cable to be laid properly in cable tray and conduit pipe.		27.11.2021		Long Pending
E	Distribution Chamber - 1		1. Only outer face of distribution chamber for primary sedimentation tank partially done by KRMPL. 2. Inside Rec wall, base and platform required renovation work. 3. Reinforced exposed and need to be repaired. 4. Source gate need to be replaced.		27.11.2021		Long Pending
19	Civil works		1. Cleaning and finishing work to be done in DC1. 2. Pole light found damaged and needs to be replaced. 3. Railing need to be replaced.		27.11.2021		Long Pending

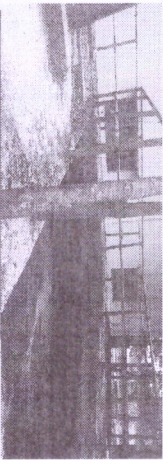
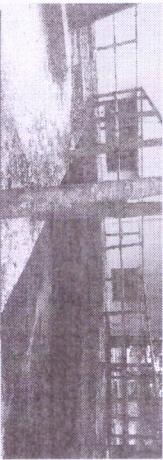
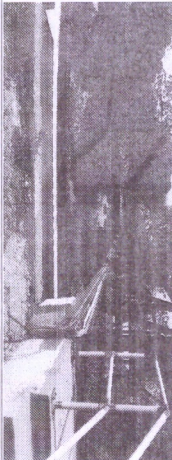
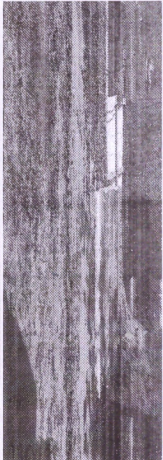
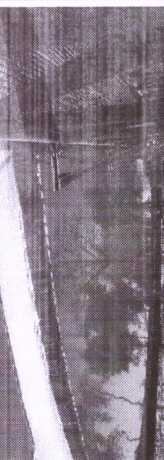

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20	Gates (3 in nos)	Operational		1. Operational wheel found missing and needs to install for proper operation of the gates. 2. Damaged precast walls need to be replaced.		27.11.2021			Long Pending
F	Primary Sedimentation tank								
21	Primary Sedimentation tank-1	Operated/ found in overflow condition		1. Scum Box design need to be changed. 2. Weir plate to be replaced at damaged portion. 3. PST mechanism to be replaced and install. 4. Remote system to be installed for PST-1. 5. Cable to be laid in cable tray. 6. Stair hand-railing need to be provide. 7. TML markingdone with paint. 8. Fencing to be provide on Truss platform. 9. LPS need to be installed as per approved drawing. 10. Torque switches installation done without canopy at all equipment. 11. Hoover is fixed on railing with temporary cable tie, which is not proper and unacceptable. 12. Power supply is given to torque switch & associated equipment from temporarily MCCB. Permanent supply is to be provided. 13. Torque switch alarm not working properly. 14. Torque switch not showing reading.		01.03.2021			Long Pending
22	Primary Sedimentation tank-2	Operated/ found in overflow condition		1. Need to construct R/C core deep stair platform. 2. TML markingdone with paint. 3. Fencing to be provide on Truss platform. 4. Stair hand-railing need to provide in PST-2. 5. LPS need to be installed as per approved drawing. 6. Torque switches installation done without canopy at all equipment. 7. Hoover is fixed on railing with temporary cable tie, which is not proper and unacceptable. 8. Power supply is given to torque switch & associated equipment from temporarily MCCB. Permanent supply is to be provided. 9. Torque switch screen show error during testing. 10. Scum Box design need to be changed.		27.11.2021			Long Pending
23	Primary Sedimentation tank-3	Operated		1. Plastering and finishing workdone at PST-3. 2. Weir plate to be replaced at damaged portion. 3. PST-3 mechanism to be replaced and install. 4. Remote system to be installed for PST-3. 5. Power supply is given to torque switch & associated equipment from temporarily MCCB. Permanent supply is to be provided. 6. Need to paint Bridge. 7. Toe Guard to be in stair hand railing.		01.03.2021			Long Pending
6	Distribution Chamber -2					27.11.2021			
24	Civil works	Renovation work and finishing work to be done							
25	Gates (3 in nos)	Need to be overhaul / replace		1. Operational wheel to be install for each Gate.					

SITE INSPECTION REPORT

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1. Mr. Nishu Divedi, NMCG 2. Mr. Ganesha Choudhary, PM1 UPIN 3. Mr. Suresh Jais, AE UPIN 4. Mr. Vinu P.J., JE UPIN 5. Mr. Anil Kumar Sethi, Team Leader, STC Kanpur 6. Mr. Ajay Kumar Gopli, Support Engineer (Mechanical), STC Kanpur 7. Mr. Rajul Sarwan, Support Engineer (Electrical), STC Kanpur 8. Mr. Hider Das, Pandey, Support Engineer (Civil), STC Kanpur 9. Mr. Karan Veer Singh, Site Supervisor (Civil), STC Kanpur 10. Mr. Dhya Mittal, Site Supervisor (Electrical), STC Kanpur 11. Mr. Krishna (Jais in charge), KRMFL						
Jajmau STP - 130 MLD						
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H	Aeration tank	18 New aerators has been installed		1) In Aeration Tank platform Slab, where machine is mounted vibrated tremendously. Slab & beam strengthening is required to reduce weight of Unit. 2) The weight of RCC member's vibration will be controlled. 3) UPIN instructed to submit the structural strengthening Methodology for Aeration Tank. 4) Aeration outlet gate to be replace.		27.11.2021
26	Aeration Tank no. 01 (Civil Works)	Structure found in poor condition and needs to be rehabilitate/Under rehabilitation		1. Civil structure found in poor condition and need to be rehabilitate. 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 UPIN. 7. Certify the type of anchors and fastening (Nuts/bolts). 8. Cable need to be laid in cable tray. 9. LPBS system need to be install at site.	Handrailing work in progress	27.11.2021
27	Aerator no. 1					
28	Aerator no. 2					
29	Aerator no. 3					
30	Aerator no. 4					
31	Aerator no. 5					
32	Aerator no. 6					
33	Aeration Tank no. 02 (Civil Works)	Renovated		1. Civil structure found rehabilitate. 2. Renovation work found satisfactory. 3. Walkway to be strengthen and repaired. 4. New Hand railing 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 UPIN. 7. Certify the type of anchors and fastening (Nuts/bolts). 8. Cable need to be laid in cable tray. 9. LPBS system need to be install at site.	Railing work done, toe guard need in railing.	27.11.2021
34	Aerator no. 7					
35	Aerator no. 8					
36	Aerator no. 9					
37	Aerator no. 10					
38	Aerator no. 11					
39	Aerator no. 12					
40	Aeration Tank no. 03 (Civil Works)	Structure found in poor condition and needs to be rehabilitate		1. Civil structure found in poor condition and need to be rehabilitate. 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 UPIN. 7. Certify the type of anchors and fastening (Nuts/bolts). 8. Cable need to be laid in cable tray. 9. LPBS system need to be install at site.		27.11.2021
41	Aerator no. 13					
42	Aerator no. 14					
43	Aerator no. 15					
44	Aerator no. 16					
45	Aerator no. 17					

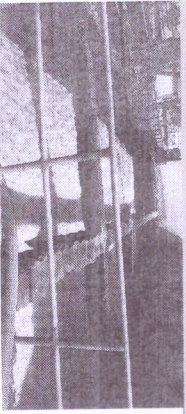
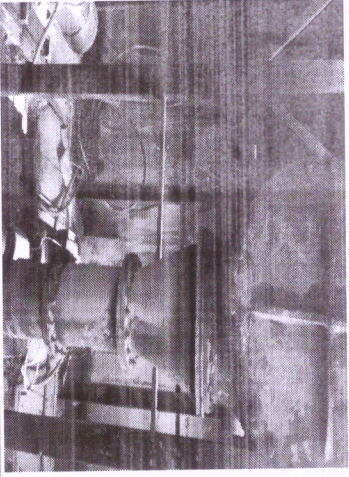
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46	Aerator no. 18							
1	Distribution Chamber - 3							
47	Civil works	renovated/need to renovated inner side		1. Cleaning and finishing work to be done in this chamber. 2. Paving to be replaced / repaired		27.11.2021		Long Pending
48	Gates (3 in nos)	Operated		1. Operational wheel found missing and needs to install for proper operation of the gates. 2. Damaged precast sabbos need to be replaced.		27.11.2021		Long Pending
1	Final Sedimentation Tank							
49	Final Sedimentation Tank no.1	Operated/ found in overflow condition		1. Plastering and finishing work to be done at FST-1. 2. Weir plate to be replaced at damaged portion. 3. FST-1 mechanism to be replaced and install. 4. Remote system to be installed for FST-1. 5. Cable need to be laid in cable tray. 6. Torque switch without canopy. System need to be install at site	7 LPBS	01.03.2021		Long Pending
50	Final Sedimentation Tank no.2	Operated		1. Need to be extension width and proper alignment accordingly riss of concrete stair. 2. Stair hand railing need to be provide. 3. Crack repair work and epoxy coating work is pending in raft top. 4. Remote system need to be installed for KRMPL of Central shaft of FST-02. 5. LPBS system need to be install at site		27.11.2021		Long Pending
51	Final Sedimentation Tank no.3	Operated		1. Final sedimentation - 3 renovation work found satisfactory. 2. Torque switch installed without power supply. 3. Cable need to be laid in cable tray. 4. Remote system to be installed for FST-3. 5. LPBS system need to be install at site		01.03.2021		Long Pending
K	Treated Effluent Pump House			1. 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. 2. Civil Drawing of pump foundation not submitted by KRMPL for Renovation work. 3. Out of 11 pumps only 4 Nos. pump has been working at site and 4,5,6,7 & 8 Nos. Pump are not in working condition.		27.11.2021		Long Pending


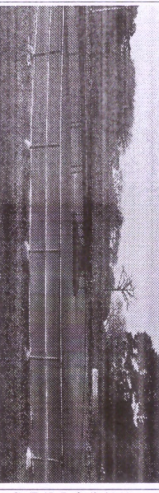

INSPECTED BY:

1. Mr. Nishu Dhole, NMCG
2. Mr. Gyandhar Chaudhary, PMU UPIN
3. Mr. Shashu Bhat, AE UPIN
4. Mr. Vinu P. J. UPIN
5. Mr. Anil Kumar Sethi, Team leader, STC Kanpur
6. Mr. Anup Kumar Goyal, Support Engineer (Mechanical), STC Kanpur
7. Mr. Anurag Kumar, Support Engineer (Electrical), STC Kanpur
8. Mr. Anurag Kumar, Support Engineer (Civil), STC Kanpur
9. Mr. Anurag Kumar, Support Engineer (Civil), STC Kanpur
10. Mr. Anurag Kumar, Support Engineer (Civil), STC Kanpur
11. Mr. Kishan Prasad, In-charge, KRMPL

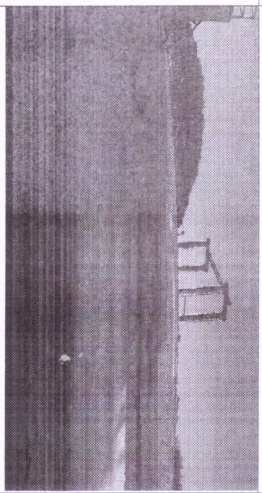
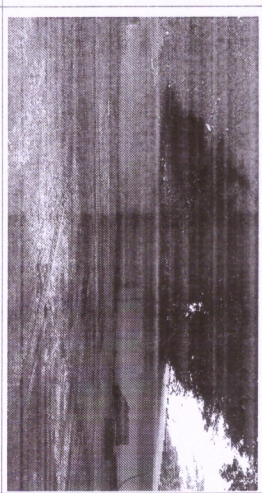
STC INSPECTION REPORT

STC						INSPECTED BY:			
						1. Mr. Nishu Dhand, RMCG 2. Mr. Ganesha Choudhary, PM1 UPJN 3. Mr. Shivash Iqbal, AE UPJN 4. Mr. Vinu Pal, JE UPJN 5. Mr. Anil Kumar Sethi, Team Leader, STC Kanpur 6. Mr. Anur Kumar Cagpal, Support Engineer (Mechanical), STC Kanpur 7. Mr. Rahul Suman, Support Engineer (Electrical), STC Kanpur 8. Mr.INDER Dey Pandey, Support Engineer (Civil), STC Kanpur 9. Mr. Karan Veer Singh, Site Supervisor (Civil), STC Kanpur 10. Mr. Divya Mittal, Site Supervisor (Electrical), STC Kanpur 11. Mr. Kishan (Paint in charge), RMCG			
						Jyghau STP - 130 MLD 01.02.2023, 04.02.2023, 13.02.2023, and 15.02.2023			
S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and corrective Action Suggested by STC, PE	Corrective Action Completed by	Original Date of Issue	Proposed Date to Resolve by RMCG	Current Status of Compliance	
52	Treated Effluent sump (Civil)	Structure is in damaged		1. New TEH cum Sump has already been proposed in CA and needs to keep this sump in working condition till the renovation period.		27.11.2021		Long pending	
53	Treated Effluent Pump House (Civil)	Structure is in bad condition		1. New TEH 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.	Total 5 nos of pumps were found in operation and 1 more pump to be install soon after overhauling	27.11.2021		Long Pending	
54	TEPH Pump no.1	8 nos. of pumps are found in operation & 1nos. of pumps found in not in working condition and balance 02 nos. is missing since Handover		1. All pumps needs to be repaired and get operational. 2. Civil Drawing of pump foundation not submitted by RMCG for Renovation work. 3. Out of 11 pumps only 4 Nos pump has been working at site and 4,5,6,7,8 Nos. Pump are not in working condition. 4. Lighting arrangement and Cable to be laid in cable tray. 5. Thermometer and vibration meter should be at site. 6. Bearing to be repaired till the renovation period. 7. Motor cover to be repaired. 8. All pumps are found in damaged condition and need to be replaced. 9. Concessions should maintain log book of the pumps for proper record maintenance. 10. Leakage has been detected 2 number pump which are in operation and directed to repair the same immediately. 11. LIPS system to be install at site 12. Cable tray need to be painted immediately		27.11.2021		Long Pending	
55	TEPH Pump no.2								
56	TEPH Pump no.3								
57	TEPH Pump no.4								
58	TEPH Pump no.5								
59	TEPH Pump no.6								
60	TEPH Pump no.7								
61	TEPH Pump no.8	Needs rehabilitation		1. Civil renovation work done		27.11.2021		Long Pending	
62	TEPH Pump no.9								
63	TEPH Pump no.10								
64	TEPH Pump no.11	Needs rehabilitation							
1	Return Sudge Pump House								
65	Return Sudge Sump (Civil)	Needs rehabilitation		1. Civil renovation work done		27.11.2021		Long Pending	
66	Return Sudge Pump House (Civil)	Needs rehabilitation		1. Only outer and pump house painting work done not done in panel room. 2. Dewatering arrangement need to be done properly. 3. Foundation renovation work need to be done. 4. Renovation work of internal wall need to be done. 5. Lighting arrangement and Cable to be laid in cable tray. 6. LIPS system to be install at site. 7. Cable need to be dressed properly. 8. All under light to be replace immediately. 9. window need to be replace and Painting work not done properly.		27.11.2021		Long Pending	
67	Return Sudge Pump no.1								

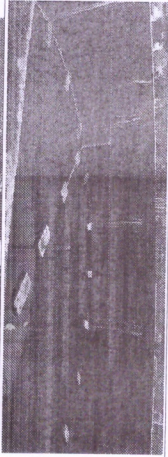
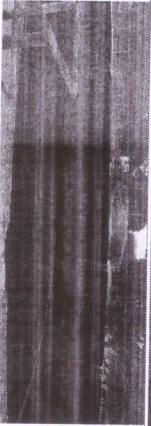
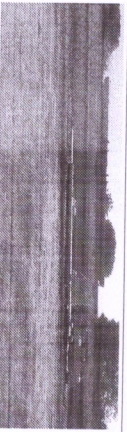

SITE INSPECTION REPORT

SITC						INSPECTED BY:			
						1. Mr. Nishu Dhandu, NMCG 2. Mr. Ganesha Choudhary, PAJL UPJH 3. Mr. Shaob Iqbal, AE UPJH 4. Mr. Vipin Pill, JE UPJH 5. Mr. Anil Kumar Seth, Team leader, SITC Kanpur 6. Mr. Ajay Kumar Goyal, Support Engineer (Mechanical), SITC Kanpur 7. Mr. Rahul Sarwan, Support Engineer (Electrical), SITC Kanpur 8. Mr. Indu Devi Pandey, Support Engineer (Civil), SITC Kanpur 9. Mr. Karan Veer Singh, Site Supervisor (Civil), SITC Kanpur 10. Mr. Divya Mittal, Site Supervisor (Electrical), SITC Kanpur 11. Mr. Krishna Prant in charge), KRMPL			
						01.03.2023, 02.03.2023, 03.03.2023, and 15.03.2023			
						Jajmau STP - JBN MID			
S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by SITC, PE	Corrective Action Completed by	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance	
68	Return Sludge Pump no. 2	Zbumps operational and 2 found not working.		1. Out of 4 Nos of pump only 2 Nos is working at site & 1 no pump is under renovation 2. Cables to be arranged in proper manner and to provide cable tray 3. Leakage has been detected in the pipe connecting to the Pump 4. Out of 4 nos. panel only 2 panel found in working condition and needs system to be install at site		01.03.2021		Long Pending	
69	Return Sludge Pump no. 3								
70	Return Sludge Pump no. 4								
M	Blending Tank								
71	Civil works	Bedding tank found renovate		1. Renovation work done 2. Cleaning work need to be done. 3. Interconnection of sludge pipe line for inlet and Outlet clearing is pending. 4. Cracks should be treated by Pressure Grouting.		27.11.2021		Long Pending	
	Blending Tank	Operational		1. For blending tank KRMPL submitted the design for proposed 1 no. agitator. 2. CCTV camera need to be repaired or replace. install at site		01.03.2021		Long Pending	
72	Gravimetric Sludge Thickeners			1. Cable to be laid in cable tray 2. Hand railing to be replace switches installation done without canopy at all equipment. 4. Hoister is fixed on railing with temporary cable tie, which is not proper and unacceptable. 5. Power supply is given to torque switch & associated equipment from temporary MCB. Permanent supply is to be provided. alarm are not working.	3. Torque	27.11.2021		Long Pending	
73	Gravimetric Sludge Thickener no. 1	functional							
74	Gravimetric Sludge Thickener no. 2	Renovated/not in operation		1. Sludge Thickener found under maintenance 2. Cleaning work done 3. Civil structure repaired 4. Plastering and finishing works done. 5. Remote system to be installed for GST-2. 6. Cable to be laid in cable tray. 7. Sludge thickener no.2 is to be replaced. 8. Hand railing to be replace.	Desiling of the Sludge thickener in progress	01.03.2021		Long Pending	
O	Thickened Sludge Pump House			1. Pump house structure plastering and finishing work should be proper. 2. Cracks should be treated with proper technique. 3. Remote system to be installed for TSPI. 4. Cable to be laid in cable tray. 5. All the equipment to be replaced as per CA. 6. Dewatering pump to be installed for dewatering extra water. 7. EOT crane lifting Exhaust fan to be installed. 8. Window need to be replaced. 9. Civil Renovation work required in RCC Slab.		27.11.2021		Long Pending	

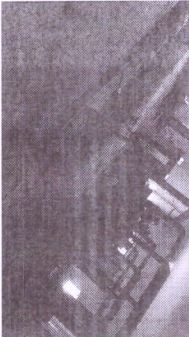
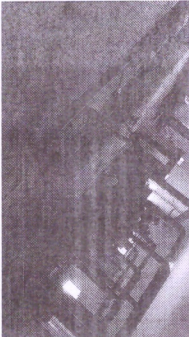
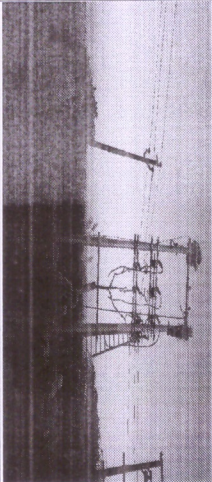
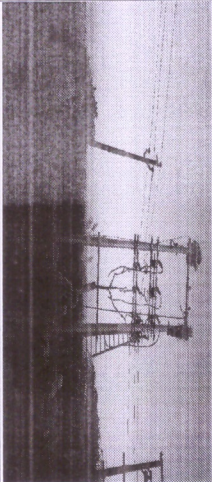
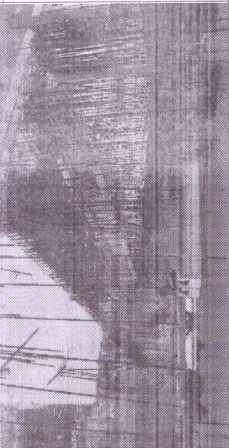
SITE INSPECTION REPORT

SITC									
SITC INSPECTION REPORT									
S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by SITC, PE	Corrective Action Completed by	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance	
76	Thickened Sludge Pump no.1	under renovation		1. New pump installation work ongoing. 2. New valves & pipe line need to be installed	Jagannath SVP - JSD MID	01.02.2023, 04.02.2023, 13.02.2023, and 15.02.2023	INSPECTED BY: 1. Mr. Nishu Dwevedi, NMCB 2. Mr. Gyanendra Choudhary, PM1, UPIN 3. Mr. Shivakish Upal, AE, UPIN 4. Mr. Vishu Pal, JE, UPIN 5. Mr. Anil Kumar Sethi, Team leader, SITC Kanpur 6. Mr. Ajay Kumar Goyal, Support Engineer (Mechanical), SITC Kanpur 7. Mr. Manish Saxena, Support Engineer (Electrical), SITC Kanpur 8. Mr. Indar Dev Pandey, Support Engineer (Civil), SITC Kanpur 9. Mr. Karam Veer Singh, Site Supervisor (Civil), SITC Kanpur 10. Mr. Dhruv Mittal, Site Supervisor (Electrical), SITC Kanpur 11. Mr. Krishna Prasad (in charge), KRMPL		
77	Thickened Sludge Pump no.2	under renovation		1. New pump installation work ongoing. 2. New valves & pipe line need to be installed.					
78	Thickened Sludge Pump no.3	operated		1.Lubrication and cleaning works as required 2.Indoor lighting need to be replace immediately 3.Cable need to be dressed properly 4.Cable tray need to be painted 5. Digester cleaning work can be done with safety precaution. 6.All 4 Nos. pump required replaced as per existing facilities. 7.LPBS system to be install at site					
79	Thickened Sludge Pump no.4	operated							
P	Primary Sludge Digesters			1. Removal of centrally located sludge mixing shaft from Primary Digester 1. 2. Gate to be overhaul 3. Civil Structure of the Digester to be renovate and cracks to be treated. 4. Leakage to be Arrested in the Digester. 5. Installation of the Railing at the boundary of the dome. 6. Finishing work to be done.	27.11.2021	27.11.2021	Long Pending		
80	Primary Sludge Digester no.1	Under maintenance		1. Cleaning work of Primary digester done partially. 2. Gate to be overhaul 3. Civil Structure of the Digester to be renovate and cracks to be treated. 4. Leakage to be Arrested in the Digester. 5. Installation of the Railing at the boundary of the dome. 6. Finishing work to be done.					
81	Primary Sludge Digester no.2	Not operational		1. Cleaning work of Primary digester done partially. 2. Gate to be overhaul 3. Civil Structure of the Digester to be renovate and cracks to be treated. 4. Leakage to be Arrested in the Digester. 5. Installation of the Railing at the boundary of the dome. 6. Finishing work to be done. 7. Sludge Digester no.2 is under cleaning but no any safety precaution during cleaning. 8. Safety officer not available at site.					
Q	Secondary Sludge Digester			1. Structure found in worse condition and need to be renovate. 2. Gate to be overhaul 3. Civil Structure of the Digester to be renovate and cracks to be treated. 4. Leakage to be Arrested in the Digester. 5. Installation of the Railing at the boundary of the dome. 6. Finishing work to be done.					
82	Secondary Sludge Digester	Not operational		1. Structure found in worse condition and need to be renovate. 2. Gate to be overhaul 3. Civil Structure of the Digester to be renovate and cracks to be treated. 4. Leakage to be Arrested in the Digester. 5. Installation of the Railing at the boundary of the dome. 6. Finishing work to be done.	01.03.2021		Long Pending		
R	Digested Sludge Pump House			1. Sump to be clean and renovate. 2. Installation of the railing on the boundary of the sump. 3. Precast cover to be replaced or constructed on the sump. 4. Stairs at the pump house to be renovate. 5. Plastering work and finishing work to be done in the pump house. 6. Foundation of the pumps to be repaired. 7. Railing to be repair in the Pump house. 8. LPBS System to be installed. 9. Cable need to be laid in cable tray. 10. Dewatering pump to be installed.		01.03.2021	Long Pending		
83	Digested Sludge Pump House cum Sump (Civil works)	Renovated Partially						Long Pending	

SITE INSPECTION REPORT

S. No		Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Corrective Action Completed by	Original Date of Issue	Proposed Date to Rectify by KRMPL	INSPECTED BY: 1. Mr. Mohd Owaid, INMCE 2. Mr. Gopendra Choudhary, PM1 UPJR 3. Mr. Vishal, AE UPJR 4. Mr. Vignesh, AE UPJR 5. Mr. Anil Kumar Singh, Train Leader, STC Karpur 6. Mr. Anup Kumar Goyal, Support STC Engineer (Mechanical), STC Karpur 7. Mr. Rahul Sarwan, Support Engineer (Electrical), STC Karpur 8. Mr. Anir Dev Pandey, Support Engineer (Civil), STC Karpur 9. Mr. Karan Veer Singh, Site Supervisor (Civil), STC Karpur 10. Mr. Divy Mittal, Site Supervisor (Electrical), STC Karpur 11. Mr. Krishna, (Plant in charge), KRMPL	Current Status of Compliance
92		Centrifuge Pump no.4	by KRMPL				01.03.2021			
T		Centrate / Supernatant Pump house								
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.					Long Pending
94		Supernatant Pump no.1	Pump already dismantled by		As per CA, pump to be replaced.		01.03.2021			
95		Supernatant Pump no.2	Pump already dismantled by		As per CA, pump to be replaced.					Long Pending
96		Supernatant Pump no.3	Pump already dismantled by		As per CA, pump to be replaced.					Long Pending
97		Supernatant Pump no.4	Pump already dismantled by		As per CA, pump to be replaced.					Long Pending
U		Gas Holder								
98		Gas holder no. 1	Not functional		1. Civil structure renovated partially. 2. MS Dome to be repaired. 3. Railing to be repaired. 4. Valves need to be overhauled or repair. 5. Plastering and finishing work to be done in the civil structure.		01.03.2021			Long Pending
99		Gas holder no. 2	Not functional		1. Civil structure renovated partially. 2. MS Dome to be repaired. 3. Railing to be repaired. 4. Valves need to be overhauled or repair. 5. Plastering and finishing work to be done in the civil structure.		01.03.2021			Long Pending
V		Gas Scrubbers								
100		Gas Scrubber no.1	Dismantling in progress by KRMPL		1. As per CA, Gas scrubber unit to be replaced. 2. While dismantling the Scrubber building all safety measures should be followed by KRMPL to avoid future accidents.					Long Pending
101		Gas Scrubber no.2	Dismantling in progress by KRMPL		As per CA, Gas scrubber unit to be replaced.		01.03.2021			Long Pending
102		Gas Scrubber no.3	Dismantling in progress by KRMPL		As per CA, Gas scrubber unit to be replaced.					Long Pending
W		Gas Flaring Unit								
103		Gas Flaring no.1	Dismantling in progress by KRMPL							
104		Gas Flaring no.2	Dismantling in progress by KRMPL		As per CA, Gas Flaring to be replaced.		01.03.2021			Long Pending
X		Bio gas Compressor								
105		Bogas Compressor Building					01.03.2021			
106		Bio gas Compressor no.1	Dismantling done by KRMPL							

SITE INSPECTION REPORT

SITE INSPECTION REPORT									
S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Corrective Action Completed by	Original Date of Issue	Proposed Date to Rectify by KRMPL	Current Status of Compliance	INSPECTED BY:
107	Bio gas Compressor no.2	Dismantling done by KRMPL		As per CA, Biogas compressor to be replaced.		01.03.2021		Long Pending	1. Mr. Mohan Dhandi, MANEG 2. Mr. Gyanendra Choudhary, PMJ UPIN 3. Mr. Shivashil Babu, AE UPIN 4. Mr. Vinay Pal, JE UPIN 5. Mr. Anil Kumar Singh, Team leader, STC Kanpur 6. Mr. Ajay Kumar Goyal, Support Engineer (Mechanical), STC Kanpur 7. Mr. Rahul Sarwan, Support Engineer (Electrical), STC Kanpur 8. Mr. Indar Das Pandey, Support Engineer (Civil), STC Kanpur 9. Mr. Karam Veer Singh, Site Supervisor (Civil), STC Kanpur 10. Mr. Divya Mittal, Site Supervisor (Electrical), STC Kanpur 11. Mr. Krishna, Plant in charge, 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								
111	DFG no.1	not 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 sets are available at site for power backup.		01.03.2021		Long Pending	
112	DFG no.2	not Operated							
113	DFG no.3	not Operated							
114	DFG no.4	not operated							
115	DFG no.5	not operated							
Z	Filtrate Pump			1. Civil structure needs finishing work to be done.		01.03.2021		Long Pending	
116	Filtrate pump cum Sump (Civil works)			As per BEP, Filtrate pump to be replaced.					
117	Filtrate Pump no.1	Not working							
118	Filtrate Pump no.2	Not working		1. DP structure erection work not as per approved drawing, need to be installed as per approved drawing. 2. DP pipe earthing work in not done, need to be earthed immediately. 3. Pole foundation need to done properly.				pending	
AA	Substation 11kv/ 433	Not working							
AB	New Units (Construction)					01.03.2021			
119	TEPH cum Sump			1. Shifting of existing of utilities at proposed CCT and TEPH area. 2. Site Clearance required.					
120	Chlorine Contact tank	To be constructed							
121	Note:-			1. The Sludge removal is still not be done properly. 2. DP pipe earthing work in not done, need to be earthed immediately. 3. Pole foundation need to done properly.				2. Sludge withdrawal from temporary pond not done daily. 3. Safety & Security of facility under O&M no any arrangement for boundary wall	
Remarks:									
ITEM LEADER									