



SITE INSPECTION REPORT






Jajmau STP -
130 MLD

Date:04.01.2022

INSPECTED BY:
UPIN Representative
Mr Sahab Iqbal-Jen Civil
Mr Ashish Shyval-Jen E&M

STC Representatives
1. Mr Ajay Goyal-Support Engineer Mechanical
2. Mr Anuj Kushwaha-Support Engineer Civil
3. Mr Rahul Sarwan-Support Engineer-Electrical

KRMPL Representatives
1. Mr Sri Krishna, Plant-InCharge O&M
2. Mr Debasish. Site Engineer-Renovation work

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.		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. Handrailing need to be replaced.	01.03.2021		Pending
1	Inlet Chamber (Civil)	Operational / Needs to be renovated		1. Hand Railing and its foundation needs to be repaired. 2. Finishing work of inlet chamber chamber need to done properly .	01.03.2021		Long pending
2	Gates /Valves and Covering Shed	Need Overhauling / Replacement		1. Gate may be motorized if possible 2. Raw sewage overflow from the Inlet gate of manual screen due to height of the gate is insufficient. UPIN /STC already gives their comments to KRMPL but still KRMPL has not taken any necessary action for the same. 3. Hand railing to be replaced . 4. Shed to be replace.	01.03.2021		Pending
B	Fine Screen Chamber (Mechanical / Manual)						
3	Screen Chamber (Civil)	Need Renovation		1. Outer side RCC wall leakages must be grouting under Renovation work. 2. Sewage is overflow from the sluice gates that need to be replace and overflow condition need to prevent. 3. Garbages like Plastic bags, leather pieces, clothes must be removed from Belt conveyor of Screen Chamber regularly. Removal of garbages should be taken seriously. 4. Need to be replaced the sluice gates. 5. Proper Lighting need to be provided at Screen area. 6. Level scale should be properly clean and marking should be clearly visible. 7. MS Fabrication equipment & tools along with MS Shed also corroded & losses its strength. 8. MS shed pipes are corroded & Colour of shed also worn out. 9. Mechanical Screen not working with auto system and without sensor .Need to be fixed the auto system immediately. 10. New Cables should be laid properly in cable trays. 11. Handrailing need to be replace. 12. CCTV cameras are not functional. 13. Log Book need to be maintained.	01.03.2021		Long pending
4	Mechanical Fine Screen no. 1	Operated		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



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5	Mechanical Fine Screen no. 2	Operated		<ol style="list-style-type: none"> 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 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	operated		<ol style="list-style-type: none"> 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		<ol style="list-style-type: none"> 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



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C	Grit Chamber						
8	Grit Chamber	Structre Civil work done and Mechanical work will start accordingly	 Kanpur Uttar Pradesh India Decimal DMS Latitude 26.417508 26°25'3" N Longitude 80.418429 80°25'6" E 2022-01-04(Tue) 01:42(pm)	1.Outer side painting work in progress in Grit Chamber 03. 2. Seepages need to be grouted under renovation work by KRMPL. 3.Log Book need to be maintained.	01.03.2021		Lond pending
9	Grit Mechanism-1	Operated	 Kanpur Uttar Pradesh India Decimal DMS Latitude 26.417507 26°25'3" N Longitude 80.418428 80°25'6" E 2022-01-04(Tue) 01:42(pm)	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	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.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	Not operational		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	Working		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



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13	Grit Classifier -2	working		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		Long pending
14	Grit Classifier -3	Not working / Under maintenance		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		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 need to be installed for proper flow measurement.	23.11.2021		Pending
18	Flow meter	Operational		1. Flow meter found working and under the trial run. 2. Glass door need to be installed for Flow meter 3. Commissioning has not completed yet. 4. Cable to be laid properly in cable tray and conduit pipe. 5. Log Book need to be maintained.	23.11.2021		Pending
E	Distribution Chamber -1			1. Only outer face of 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 need to be repaired. 5. All Sluice gate need 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



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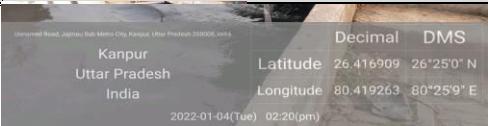





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19	Civil works			1.Cleaning and renovation work to be done in DC1 2.Pole light found damage and needs to be replace.	01.03.2021		Long Pending
20	Gates (3 in nos)	Non-Operational / Needs to be replaced		1.Operational wheel found missing ad needs to 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	Operational		1.Plastering and finishing work to be done at PST1. 2.PST 01 mechanism need to be replace. 3.Remote system to be installed for PST1. 4.Cable to be laid in cable tray. 5. Log Book need to be maintained.	01.03.2021		Long Pending
22	Primary Sedimentation tank-2	Not Operational		1.Plastering and finishing done partially as per approved procedure at PST2. 2. Crack repair work and epoxy coating work is pending in raft top and central shaft. 3. All dismentaling work need to be done . 4.Renovation of interconnection pipeline for sewage and sludge required. 5.PST-2 mechanism installation work is in progress as per approved drawing. 6. 60mtr weir plate installation pending due to incomplete of material supply. 7. RFI has not submitted by KRMPL. 8. All wier plate and mechanism of PST 02 is not properly aligned.	01.03.2021		Long Pending
23	Primary Sedimentation tank-3	Operational		1.Plastering and finishing work to be done 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.Cable to be laid in cable tray. 6. Log Book need to be maintained.	01.03.2021		Long Pending
G	Distribution Chamber -2						
24	Civil works	Renovation work and finshing 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

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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
26	RCC Channel(PST to Aeration Tank)			1.Renovation of RCC channel need to be repair with proper cleaning, Cracks repairs, HoneyComb removal work, damaged part of wall and covers.	01.03.2021		Long pending
H	Aeration tank			1.Cracks repairing work done by KRMPL only for outer side of wall. 2.In Aeration Tank platform Slab, where machine is mounted vibrated tremendously, Slab & beam strengthening is required to increase weight of Unit 3.Increasing weight of RCC member's vibration will be controlled. 4.KRMPL Instructed to submit the structural strengthening Methodology for Aeration Tank . 5.Aeration Inlet and outlet gates need to be replace . 6. Foundation plate need to be painted. 7. Cable gland need to be fixed in the Pump termination Box. 8. 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. Certify the tye of anchors and fasteining. (Nuts/bolts)	01.03.2021		Long Pending
27	Aerator no. 1	Operated		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						
29	Aerator no. 3						
30	Aerator no. 4						
31	Aerator no. 5						
32	Aerator no. 6						
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 tye of anchors and fasteining. (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	4 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.	10.12.2021		pendina
35	Aerator no. 8						
36	Aerator no. 9						



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37	Aerator no. 10	2 Not working	 <p>Kanpur Uttar Pradesh India</p> <p>Decimal DMS Latitude 26.416783 26°25'0" N Longitude 80.419555 80°25'10" E</p> <p>2022-01-04(Tue) 02:23(pm)</p>	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.			
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	 <p>Kanpur Uttar Pradesh India</p> <p>Decimal DMS Latitude 26.416835 26°25'0" N Longitude 80.41951 80°25'10" E</p> <p>2022-01-04(Tue) 02:23(pm)</p>	1.Renovation work of outer side is in progress in Aeration Tank us 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 tye of anchors and fasteining. (Nuts/bolts). 8.Cable need to be laid in cable tray. 9.LPBS system to be install at site	01.03.2021		Long Pending
41	Aerator no. 13	5 Operational 1 Not working	 <p>Kanpur Uttar Pradesh India</p> <p>Decimal DMS Latitude 26.416835 26°25'0" N Longitude 80.41951 80°25'10" E</p> <p>2022-01-04(Tue) 02:23(pm)</p>	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						
43	Aerator no. 15						
44	Aerator no. 16						
45	Aerator no. 17						
46	Aerator no. 18						
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)	Non-Operated		1.All gates need to be replaced. 2.Damaged precast saibs need to be replaced.	01.03.2021		Long Pending
J	Final Sedimentation Tank						
49	Final Sedimentation Tank no.1	Operated / found in overflow condition	 <p>Kanpur Uttar Pradesh India</p> <p>Decimal DMS Latitude 26.416487 26°24'50" N Longitude 80.420132 80°24'13" E</p> <p>2022-01-04(Tue) 02:23(pm)</p>	1.Plastering and finishing work to be done at FST-1. 2.FST 01 equipments need to be repliced. 3.Remote system to be installed for FST-1. 4.Cable need to be laid in cable tray. 5. Log Book need to be maintained. 6. E&M materials has not supplied by KRMPL for renovation work	01.03.2021		Long Pending
50	Final Sedimentation Tank no.2	Not operated	 <p>Kanpur Uttar Pradesh India</p> <p>Decimal DMS Latitude 26.415981 26°24'57" N Longitude 80.420288 80°25'13" E</p> <p>2022-01-04(Tue) 02:38(pm)</p>	1.Plastering and finishing done partially as per approved procedure at FST2. 2. Crack repair work and epoxy coating work is pending in raft. 3.1 nos of leakage in outlet channel need to be grouted. 4. Staircase repairing work is in progress. 5.FST-2 mechanism to be replaced and installed as per approved drawing. 6. FST 02 E&M sufficient materials has not been supplied by KRMPL at site. 7. Manpowers are not available for Civil and E&M works.	23.11.2021		Pending



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51	Final Sedimentation Tank no.3	Operated / found in overflow condition	 Kanpur Uttar Pradesh India Decimal DMS Latitude 26.415783 26°24'55" N Longitude 80.420331 80°25'13" E 2022-01-04(Tue) 02:34(pn)	1.Plastering and finishing work to be done at FST-3. 2.FST 03 equipments need to be replaced. 3.LPBS system to be installed for FST-3. 4.Cable need to be laid in cable tray. 5. E&M materials has not supplied by KRMPL for renovation work.	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 supplied at site and 2 Nos. Pump with motor has been installed . 4. Log Book need to be maintained.	01.03.2021		Long Pending				
52	Treated Effluent sump (Civil)	Structure is in damaged condition and found in overflow condition	 Kanpur Uttar Pradesh India Decimal DMS Latitude 26.415411 26°24'55" N Longitude 80.420912 80°25'15" E 2022-01-04(Tue) 03:11(pm)	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.		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	 Kanpur Uttar Pradesh India Decimal DMS Latitude 26.415428 26°24'55" N Longitude 80.420882 80°25'15" E 2022-01-04(Tue) 03:11(pm)	1.All pumps needs to be repaired and get operational. 2. Civil Drawing of pump foundation not submitted by KRMPL for Renovation work. 3.7 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 guage 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 immediatly	01.03.2021	Long Pending					
55	TEPH Pump no.2	Operational									
56	TEPH Pump no.3	Operational									
57	TEPH Pump no.4	Operational									
58	TEPH Pump no.5	No n Operational									
59	TEPH Pump no.6	Operational									
60	TEPH Pump no.7	No n Operational									
61	TEPH Pump no.8	Operational	 Kanpur Uttar Pradesh India Decimal DMS Latitude 26.415427 26°24'55" N Longitude 80.421061 80°25'15" E 2022-01-04(Tue) 03:11(pn)								
62	TEPH Pump no.9	Operational									
63	TEPH Pump no.10	No n Operational									
64	TEPH Pump no.11	Operational									
L	Return Sludge Pump House										

<div>STC</div>				SITE INSPECTION REPORT		Jajmau STP - 130 MLD	Date:04.01.2022	INSPECTED BY: UPJN Representative Mr Sahab Iqbal-Jen Civil Mr Ashish Shyasl- Jen E&M STC Representatives 1. Mr Ajay Goyal-Support Engineer Mechanical 2. Mr Anuj Kushwaha-Support Engineer Civil 3. Mr Rahul Sarwan- Support Engineer -Electrical KRMPL Representatives 1. Mr Sri Krishna, Plant-InCharge O&M 2. Mr Debasish. Site Engineer-Renovation work
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65	Return sludge Sump (Civil)	Needs rehabilitation	 <div><div>Kanpur Uttar Pradesh India</div><div>Latitude 26.41619 Longitude 80.420465</div><div>Decimal DMS 26°24'58" N 80°25'13" E</div><div>2022-01-04(Tue) 02:28(pm)</div></div>	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 26.416248 Longitude 80.420394</div><div>Decimal DMS 26°24'58" N 80°25'13" E</div><div>2022-01-04(Tue) 02:28(pm)</div></div>	1.Only outer face painting work pratically 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. Renovation 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	Non Operational	 <div><div>Kanpur Uttar Pradesh India</div><div>Latitude 26.416255 Longitude 80.420455</div><div>Decimal DMS 26°24'58" N 80°25'13" E</div><div>2022-01-04(Tue) 02:28(pm)</div></div>	1.Only pump No 2 and 3 are in working condition. 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.Out of 4 nos. panel only 2 panel found in working condition. 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 compliance 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. 8. Pump No 4 is fully burn due to not proper operate by KRMPL 9.Pump No 3 is operational but pump shaft orientation anticlock wise due to NRV got damaged.It should be replaced.		10.12.2021		Pending
68	Return Sludge Pump no. 2	Operational						
69	Return Sludge Pump no. 3	Operational						
70	Return Sludge Pump no. 4	Non Operational						
M	Blending Tank							
71	Civil works	Belding tank found partially rennovate	 <div><div>Kanpur Uttar Pradesh India</div><div>Latitude 26.416629 Longitude 80.418684</div><div>Decimal DMS 26°24'59" N 80°25'7" E</div><div>2022-01-04(Tue) 02:47(pm)</div></div>	1. Structure should be strength and visiblide bars to be covered with concrete. 2. Cleaning work need to be done. 3.Sewages should be removed from site after cleaning of chamber. 4. Interconnection of sludge pipe line for Inlet and Outlet cleaing is pending. 5. Cracks should be treated by Pressure grouting.		01.03.2021		Long Pending
	Blending Tank Agitator	New Replacement as per BEPI	 <div><div>Kanpur Uttar Pradesh India</div><div>Latitude 26.41644 Longitude 80.418586</div><div>Decimal DMS 26°24'59" N 80°25'6" E</div><div>2022-01-04(Tue) 02:48(pm)</div></div>	1. New blending tank agitator drawing has been vatted by PE / UPJN but KRMPL has not supplied as same. 2. Log Book need to be maintained.		23.11.2021		Pending
72	Gravity Sludge Thickeners							



SITE INSPECTION REPORT





Jajmau STP -
130 MLD

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INSPECTED BY:
UPJN Representative
Mr Sahab Iqbal-Jen Civil
Mr Ashish Shyahi-Jen E&M

STC Representatives
1. Mr Ajay Goyal-Support Engineer Mechanical
2. Mr Anuj Kushwaha-Support Engineer Civil
3. Mr Rahul Sarwan- Support Engineer -Electrical

KRMPL Representatives
1. Mr Sri Krishna, Plant-InCharge O&M
2. Mr Debasish. Site Engineer-Renovation work

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	Not functional	 Kanpur Uttar Pradesh India Decimal DMS Latitude 26.416406 - 26°24'59" N Longitude 80.418425 - 80°25'6" E 2022-01-04(Tue) 02:48(p.m)	<ol style="list-style-type: none"> Cleaning work of sludge thickener 01. has completed by KRMPL. Renovation need to be done for Interconnection pipe line of inlet and outlet of this chamber. Leakages need to be grouting as visual inner surface of wall after epoxy coating. Repair and Rehabilitate done for wall of sludge thickener. Plastering and finishing work done. Make structure free from the Cracks. Remote system to be installed for GST-1. Cable to be laid in cable tray. Sludge thickner mechanism need to be replaced. New Gravity Sludge Thickner equipments drawings have been vatted by PE / UPJN but KRMPL has not supplied as same. 	01.03.2021		Long Pending
74	Gravity Sludge Thickener no. 2	Non-Operational	 Kanpur Uttar Pradesh India Decimal DMS Latitude 26.416029 - 26°24'57" N Longitude 80.420269 - 80°25'12" E 2022-01-04(Tue) 02:48(p.m)	<ol style="list-style-type: none"> Sludge Thickener found under maintenance Suggested to expedite the cleaning progress Civil structure to be repaied and make it free from any structural defects & deficiencies. Plastering and finishing works to be done. New Gravity Sludge Thickner equipments drawings have been vatted by PE / UPJN but KRMPL has not supplied as same. Remote system to be installed for GST-2. Cable to be laid in cable tray. Sludge thickener no.2 is to be replaced. Hand railing to be replace . 	01.03.2021		Long Pending
o	Thickened Sludge Pump House						
75	Thickened sludge Pump House cum Sump (Civil works)	Structure needs rehabilitation	 Kanpur Uttar Pradesh India Decimal DMS Latitude 26.41635 - 26°24'58" N Longitude 80.418637 - 80°25'7" E 2022-01-04(Tue) 02:52(p.m)	<ol style="list-style-type: none"> Cleaning work of roof slab is in progress by KRMPL. Sump to be clean and rehabilitate. Precast cover slabs of Sump to be replaced . Pump house structure needs plastering and finshing works. Cracks should be treated with proper technique. Remote system to be installed for TSPH. Cable to be laid in cable tray. All Thickened sludge pumps to be replaced as per CA. Dewatering pump to be installed for removing extra water. EOT crane /ligning /exhaust fan to be inslatlled . Log Book need to be maintained. 	10.12.2021		Pending
76	Thickened Sludge Pump no.1	Not operated		1.Need to be replaced	27.11.2021		Pending
77	Thickened Sludge Pump no.2	Not 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		<ol style="list-style-type: none"> Need to be replaced Indor lighting need to be repalce immediatly Cable need to be dressed properly Cable tray need to be paited Digester cleaning work can be done with safety precaution . 			
p	Primary Sludge Digesters						



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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 is in progress by KRMPL. Removal of centrally located sludge mixing shaft from Primary Digester 1. Gate to be overhaul 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 work is in progress by KRMPL. Gate to be overhaul 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 work done by KRMPL. Polymer concrete work done under renovation work. KRMPL has engaged 7 Nos of labour for renovation works. Gate to be overhaul 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	Pump no.3 and 4 are in not working.		<ol style="list-style-type: none"> 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						
S	Centrifuge						



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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 thsi unit/component. 6. Proper lighting arrangement to be required at site. 7.As per CA centrifuge to be repalced. 7. All centrate pump 4 no. to be replace.	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 repalced.	01.03.2021		Long Pending
90	Centrifuge Pump no.2						
91	Centrifuge Pump no.3						



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92	Centrifuge Pump no.4	byKRMPL.					
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 thsi 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		1. Civil structure needs to be repaired and renovate. 2. Gas holder need to be replaced. 3. Railing to be repaired 4. Valves need to be overhaul or repair. 5.Renovation crack repairing work is in progress outer face of gas holder 01.	01.03.2021		Long Pending
99	Gas Holder no. 2	Not functional		1. Renovation crack repairing work is in progress outer face of gas holder 02. 2.Civil structure needs to be repaired and renovate. 3. Gas holder need to be replaced. 4. Railing to be repaired 5. Valves need to be overhaul or repair. 6. 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. Design, drawing has been vatted by PE and KRMPL has not supplied as same	23.11.2021		Long Pending
101	Gas Scrubber no.2	Dismantling in progress by KRMPL					
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					



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W1	Compressor panel room	Renovation work is in progress	 <p>Decimal DMS Latitude 26.415426 26°24'55" N Longitude 80.420869 80°25'15" E Kanpur Uttar Pradesh India 2022-01-04(Tue), 03:12(p.m.)</p>  <p>Decimal DMS Latitude 26.415138 26°24'54" N Longitude 80.420434 80°25'13" E Kanpur Uttar Pradesh India 2022-01-04(Tue), 03:07(p.m.)</p>	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						
106	Bio gas Compressor no.1	Dismantling done by KRMPL					
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	 <p>Decimal DMS Latitude 26.415426 26°24'55" N Longitude 80.420869 80°25'15" E Kanpur Uttar Pradesh India 2022-01-04(Tue), 03:12(p.m.)</p>	AS per CA, Biogas compressor to be replaced .	01.03.2021		Long Pending
Y	Dual Fuel Generator				01.03.2021		Long Pending
111	DFG no.1	not operated					
112	DFG no.2	Operated					
113	DFG no.3	Operated					
114	DFG no.4	not operated					
115	DFG no.5	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	01.03.2021		Long Pending
Z	Filtrate Pump						
116	Filtrate pump cum Sump (Civil works)		 <p>Decimal DMS Latitude 26.415044 26°24'54" N Longitude 80.419921 80°25'10" E Kanpur Uttar Pradesh India 2022-01-04(Tue), 03:06(p.m.)</p>  <p>Decimal DMS Latitude 26.415044 26°24'54" N Longitude 80.419921 80°25'10" E Kanpur Uttar Pradesh India 2022-01-04(Tue), 03:06(p.m.)</p>	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.	01.03.2021		Pending



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118	Filtrate Pump no.2	Not working		2. KRMPL has not submitted design ,drawing for approval till date			
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.			Long pending
AB	New Units (Construction)				01.03.2021		
119	TEPH cum Sump	To be constructed		1.Shifting of existing of Utilities at proposed CCT and TEPH area. 2.Site Clearance required.			Long pending
120	Chlorine Contact tank						
Remarks:- A) Internal and External Painiting 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.				Signature: TEAM LEADER STC KANPUR 