



SITE INSPECTION REPORT FOR 43 MLD JAJMAU PHASE-II STP

JAJMAU PHASE-II STP - 43 MLD

Inspection Date: 18.1.2022

VIRTUAL INSPECTED BY:
 PE, UPJN
 UPJN-Jen Mr. Ajit Singh Civil
 UPJN Jen- Mr. Ashish Sheyaal E&M
 UPJN Chemist-Mr Ajay Kanojya
 STC-Team
 1.Mr .Dr. Giridhar prabhukar (Team Leader and wats water Expert)
 2. Mr. J.P. Tripathi(O&M- In charge)
 3. Mr Anuj Kushwaha(Support Engineer Civil)
 4. Mr Ajay Kumar Goyal(Support Engineer Mechanical)
 KRMPL-Team
 1. Mr Shriram -Incharge

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 KRMPL	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.		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)	Opertaional		1.Fine Screen need to be cleaning properly. 2. Screen Level Sensor need to 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 green 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)	Not Operational (Fine screen no 2 found not in proper operation)			21.09.2021		Pending.
3	Fine Screen No.2(Manual)	Opertaional			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.		<p>1. Grit removal system is functional but classifier system is not functional since handover and ED(Projects) also instructed to KRMPL for taken action.</p> <p>2. Painting needs to be done to equipment / covers wherever rusting.</p> <p>3. Organic pump need to be repaired.</p> <p>4. Cable tray need to be painted.</p> <p>5. All E&M equipments shall be lubricate on regular basis and maintain the log book at site.</p> <p>6. Log book need to be maintained</p>	30.09.2021		Pending
C	Inlet flow meter	Operational		<p>1. Flow meter cover need to be replaced.</p> <p>2. Visual of flow is not clear.</p> <p>3. Log book need to be maintained.</p> <p>4. At the time of power failure there are no power backup is available for flow meter. So KRMPL has to provide power backup facility.</p>	21.09.2021		Pending
	Open Channel	Operational		<p>1. Open channel need to be covered with frame cover.</p> <p>2. Repairing and painting work need to be done.</p>	16.12.2021		Pending
D	Primary Unit						
1	Primary sedimentation tank	Operational		<p>1. Cleaning work of PST need to be done.</p> <p>2. Cracks repairing work need to be done.</p> <p>3. Painting work need to be done.</p> <p>4. "V" notch need to be replaced.</p> <p>5. Handrailing work need to be painted.</p> <p>6. Alignment need to be rectified for PST.</p> <p>7. Log book need to be maintained.</p> <p>8. Scum chamber need to be clean.</p> <p>9. loose concrete work need to be cleaned and track should be proper grout.</p> <p>10. Housekeeping need to be done.</p> <p>11. Sludge need to be clean properly.</p>	21.09.2021		Pending
E	Panel room	Operational		<p>1. Screen panel voltmeter need to be replaced.</p> <p>2. Dosing agitator ammeter need to be replaced.</p>	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 overnauded & 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. 	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. 	21.09.2021		Pending
5	Centrifuge thickened sludge sump + Agitator 2 Nos.	1 - Operated 1- Non 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. 	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 	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. 	21.09.2021		Pending
10	Digester feed Pump(No.1 & 2)	Non-Operated		<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		<ol style="list-style-type: none"> 1. Need to be painted. 2. Need to be Clean wier plates. 3. Sludge cleaning need to be done. 4. Need to be Overhaul and servicing. 	21.09.2021		Pending

1	Thickened Sludge Sump (Feed pump no 1 & 2)	Operational		<ol style="list-style-type: none"> 1. We have found heavy vibration at Pump no 2 during visit.KRMPL need to be repair. 2. Pipe support need to be replace as required . 3. Vibration and Temperature need to be measure on regular basis. 4. Pump log book has not maintained by KRMPL. 5. Dewatering from the sump need to be required. 	16.12.2021		Pending
2	Thickened Sludge Pump house	Non- Operational		<ol style="list-style-type: none"> 1. Need to be Overhaul and repair. 2. Cleaning work need to be done. 3. Vibration and Temperature need to be measure on regular basis. 	21.09.2021		Pending
H	Blower Room						
1	Air Blower No.1	Operated		<ol style="list-style-type: none"> 1. Air Blower remote system cable need to dressed properly. 2.Air blower no.1 need to be reactified . 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. 	21.09.2021	Pending	
2	Air Blower No.2	Non-Operated					
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 mentained 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 Nos Pumps)	Operational		<ol style="list-style-type: none"> 1. Pump No 4 and 5 are not 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. 5. Vibration and Temperature need to be measure on regular basis. 6. Ameter need to be repaired. 	21.09.2021		Pending
L	RSPH	Operational		<ol style="list-style-type: none"> 1. 2 Nos. of pumps in Operational(1 W +1 S). 2. Excess sludge pump need to be operational. 3. Ameter need to be repaired. 	21.9.2021		Pending

M	Landscaping work	Sludge disposed found in Campus area by KRMPL.		<ol style="list-style-type: none"> 1. KRMPL is being dispose the sludge in STP campus area. 2. ED (Technical) visited on 07.10.2021 directed to KRMPL to dispose the sludge as per UPPCB/ NGT norms 	07.10.2021		Pending
Remarks:-	<ol style="list-style-type: none"> 1. At the time of power failure there are no power backup is available. KRMPL has been shutting down the STP which has deteriorated process of the 43 MLD STP plant. 2. CCTV cameras required to installed immediately at centrifuge equipments as agreed by KRMPL. 3. Both the dosing pumps are not proper dosing ,Poly electrolyte. Therefore pumps need to replaced and rectify the issues. 4. Landscaping work need to be done by KRMPL. 5. All mechanical,electrical and instrumentation equipments need to be functional properly. 6. Painting work need to be done by KRMPL because acceptance criteria not fulfilled yet given below:- <ol style="list-style-type: none"> i) All painted surfaces shall be uniform and pleasing appearance. ii) The colour,textures etc shall match exactly with approved samples. iii) All stains,splashes and splatters of paint shall be removed from surrounding surfaces. 						