



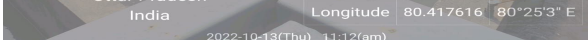


















SITE INSPECTION REPORT FOR 43 MLD JAJMAU PHASE-II STP

JAJMAU PHASE-II
STP - 43 MLDDate: 13.10.2022
17.10.2022INSPECTED BY:
UPJN,STC and KRMPL team

S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Corrective Action Suggested by STC	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance									
A	Inlet Chamber	During site visit it was found that unit found functional	 <div><small>388/359A(2) Morla nagar, Jajmau, Kanpur, Uttar Pradesh 208008, India</small><table><tr><td>Kanpur</td><td>Decimal</td><td>DMS</td></tr><tr><td>Uttar Pradesh</td><td>Latitude</td><td>26°25'3" N</td></tr><tr><td>India</td><td>Longitude</td><td>80°41'8.489" E</td></tr></table><small>2022-10-13(Thu) 11:06(am)</small></div>	Kanpur	Decimal	DMS	Uttar Pradesh	Latitude	26°25'3" N	India	Longitude	80°41'8.489" E	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.
Kanpur	Decimal	DMS														
Uttar Pradesh	Latitude	26°25'3" N														
India	Longitude	80°41'8.489" E														
1	Fine Screen No. 1(Mecahncial)	During site visit it was found that unit found functional	 <div><small>388/359A(2) Morla nagar, Jajmau, Kanpur, Uttar Pradesh 208008, India</small><table><tr><td>Kanpur</td><td>Decimal</td><td>DMS</td></tr><tr><td>Uttar Pradesh</td><td>Latitude</td><td>26°25'3" N</td></tr><tr><td>India</td><td>Longitude</td><td>80°41'8.489" E</td></tr></table><small>2022-10-13(Thu) 11:06(am)</small></div>	Kanpur	Decimal	DMS	Uttar Pradesh	Latitude	26°25'3" N	India	Longitude	80°41'8.489" E	1.Fine Screen need to be cleaning properly. 2. Screen Level Sensor need to be replaced. 3. Screen panel autosystem need to be repaired. 4. Panel stand need to be painted. 5. Cable tray need to be replaced and painted. 6.All light green area aneed to be replaced. 7. Disposal material need to be removed on regular basis. 8. Manual trolly 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.
Kanpur	Decimal		DMS													
Uttar Pradesh	Latitude		26°25'3" N													
India	Longitude	80°41'8.489" E														
2	Fine Screen No.2 (Mecahncial)	 <div><small>388/359A(2) Morla nagar, Jajmau, Kanpur, Uttar Pradesh 208008, India</small><table><tr><td>Kanpur</td><td>Decimal</td><td>DMS</td></tr><tr><td>Uttar Pradesh</td><td>Latitude</td><td>26°25'3" N</td></tr><tr><td>India</td><td>Longitude</td><td>80°41'8.489" E</td></tr></table><small>2022-10-13(Thu) 11:06(am)</small></div>	Kanpur	Decimal	DMS	Uttar Pradesh	Latitude	26°25'3" N	India	Longitude	80°41'8.489" E	21.09.2021		Pending.		
Kanpur	Decimal	DMS														
Uttar Pradesh	Latitude	26°25'3" N														
India	Longitude	80°41'8.489" E														
3	Fine Screen No.2(Manual)	 <div><small>388/359A(2) Morla nagar, Jajmau, Kanpur, Uttar Pradesh 208008, India</small><table><tr><td>Kanpur</td><td>Decimal</td><td>DMS</td></tr><tr><td>Uttar Pradesh</td><td>Latitude</td><td>26°25'3" N</td></tr><tr><td>India</td><td>Longitude</td><td>80°41'8.489" E</td></tr></table><small>2022-10-13(Thu) 11:06(am)</small></div>	Kanpur	Decimal	DMS	Uttar Pradesh	Latitude	26°25'3" N	India	Longitude	80°41'8.489" E	16.12.2021		Pending.		
Kanpur	Decimal	DMS														
Uttar Pradesh	Latitude	26°25'3" N														
India	Longitude	80°41'8.489" E														
B.	Grit Mechanism															
1	Grit chamber-1 1)Organic pump withMotor 2)Scrapper 3)Clasifier Mechanism	During site visit it was found that unit found functional	 <div><small>388/359A(2) Morla nagar, Jajmau, Kanpur, Uttar Pradesh 208008, India</small><table><tr><td>Kanpur</td><td>Decimal</td><td>DMS</td></tr><tr><td>Uttar Pradesh</td><td>Latitude</td><td>26°25'4" N</td></tr><tr><td>India</td><td>Longitude</td><td>80°41'7.616" E</td></tr></table><small>2022-10-13(Thu) 11:12(am)</small></div>	Kanpur	Decimal	DMS	Uttar Pradesh	Latitude	26°25'4" N	India	Longitude	80°41'7.616" E	1. Grit removal system is functional but classifier system is not functional since handover and ED(Projects) also instructed to KRMPL for taken action. 2. Painting needs to be done to equipment / covers whereever rusting. 3. Alignment of classifier found non-functional. 4. Cable tray need to be painted. 5. All E&M equipments shall be lubricate on regular basis and maintain the log book at site. 6. Log book need to be maintained	30.09.2021		Pending
Kanpur	Decimal	DMS														
Uttar Pradesh	Latitude	26°25'4" N														
India	Longitude	80°41'7.616" E														

C	Inlet flow meter	During site visit it was found that flow meter found shutdown since September 2022		1. Log book need to be maintained. 2. At the time of power failure there are no power backup is available for flow meter. So KRMPL has to provided powewr backup facility. 3. Level scale needs to be paint. 4. Caliberation needs to be done by KRMPL because Flow meter shown their flow reading during "No flow condition"	21.09.2021		Pending															
	Open Channel	Operational		1. Open channel need to be cover with frame cover . 2. Repairing and Painitng work need to be done.	16.12.2021		Pending															
D	Primary Unit																					
1	Primary sedimentataion tank	Primary sedimentation tank functional from 27.07.2022. PST screw pump is under maintenace since 02.06.2022	 <table><tr><th></th><th>Decimal</th><th>DMS</th></tr><tr><td>Kanpur</td><td>26.417336</td><td>26°25'2" N</td></tr><tr><td>Uttar Pradesh</td><td>80.418543</td><td>80°25'6" E</td></tr><tr><td>India</td><td></td><td></td></tr><tr><td colspan="3">2022-10-13 (Thu) 11:15 (am)</td></tr></table>		Decimal	DMS	Kanpur	26.417336	26°25'2" N	Uttar Pradesh	80.418543	80°25'6" E	India			2022-10-13 (Thu) 11:15 (am)			1. Cleaning work done of PST, It was non-functional from 28.06.22 2. Cracks repairing work need to be done. 3. Painting work need to be done. 4. "V" notch need to be replaced. 5. Handrailing work need to be paint. 6. Alignment need to be rectified for PST. 7. Log book need to be maintained. 8. Scum chabmer need to be clean. 9. loose concrete work need to be cleaned and track should be proper grout. 10. Housekeeping need to be done. 11. Sludge need to be clean properly .	21.09.2021		Pending
	Decimal	DMS																				
Kanpur	26.417336	26°25'2" N																				
Uttar Pradesh	80.418543	80°25'6" E																				
India																						
2022-10-13 (Thu) 11:15 (am)																						
E	Panel room	Opertaional		1. Screen panel voltmeter need to be replaced. 2. Dosing agitator ammeter need to be replaced .	21.09.2021		Pending															
F	Sludge System																					
1	Centrifuge feed pump (No.1 &2)	Operational		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. Viberation 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		1.Panel no.1 need to be repaired. 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		1. Need to be overhauled & servicing. 2. Dosing of PACL in sludge feed line not properly tapping according to design .Therefore dosing line tapping from upword to downward direction.KRMPL has not taken action as same. 3.Pipe support shall be installed properly for sludge feed line and dosing line. 4. Electrical cables need to be lineup properly. 5. 1 CCTV need to be arranged for sludge removal from Trolley on urgent basis. 6. The quality of dewatered sludge is not adequate since liquid is being noticed during site visit. 7. 2 nos centrifuges operated by KRMPL, 12 Hrs.each due to non-availability of VFD, only one at a time operated	21.09.2021		Pending
4	Centrifuge No.2	Operational	 <div><div>Unmanned Road, Jajmau Sub Metro City, Kanpur, Uttar Pradesh 208008, India</div><div><div>Kanpur Uttar Pradesh India</div><div><div>Latitude</div><div>26.416414</div><div>26°24'59" N</div></div><div><div>Longitude</div><div>80.419028</div><div>80°25'8" E</div></div></div><div>2022-10-13(Thu) 12:51(pm)</div></div>	1. Need to be overhauled & servicing. 2. Dosing of PACL in sludge feed line not properly tapping according to design .Therefore dosing line tapping from upword to downward direction.KRMPL has not taken action as same. 3. Dosing line has not been connected with sludge feed line of centrifuge No 2. 4. Pipe support shall be installed properly for sludge feed line and dosing line. 5 The quality of dewatered sludge is not adequate since liquid is being noticed during site visit. 6. 2 nos centrifuges operated by KRMPL, 12 Hrs.each due to non-availability of VFD, only one at a time operated	21.09.2021		Pending
5	Centrifuge thickened sludge sump + Agitator 2 Nos.	1 - Operated 1- Operated		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		1. Need to be Overhauled & Servicing. 2. Log book need to be maintained. 3. Polymixer was not in operation during site visit.	21.09.2021		Pending
7	Agitator No.1	Operational		1.Need to be rectified. 2.Need To Be cleaned the Sump bottom 3. Needs to be replaced. 4.Cleaning work of tank needs to be done.	21.09.2021		Pending

8	Agitator No.2	Operational		1.Rusted steel Structure need to be replaced.	21.09.2021		Pending
9	Digester No.1	Non-operated		<ol style="list-style-type: none"> 1.Digster Need to be cleaned. 2.Civil Leakage need to be repaired. 3. Pressure relive valve need to be calibration. 4. All four nos of motors need to be repaired. 5. Canopies need to be replace. 6.HDPE gas pipe line need to be proper support. 7. Sludge digester taken offline since 8 months and it was found that the sludge is being diverted to sludge holding ponds which are already birm.It is very urgent that KRMPL address this issue at the highest priority. 	21.09.2021		Pending
10	Thickened sludge Pump(No.1 & 2)	Both pumps Non-operational		<ol style="list-style-type: none"> 1. Need to be overhall and servicing. 2. Lubrication of pump need to be done. 	21.09.2021		Pending
G	Sludge Thickner No.1	Non-Operated		<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. 5.Sludge thickener operation needs immediate attention since supertananat from the thickener is discharging heavy solids into the PST inlet distribution chambers overloading the PST system. 	21.09.2021		Pending
1	Thickened Sludge Sump (Feed pump no 1 & 2)	1-Operational 1-non-operational since 01.06.2022		<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	Operational	<div><div></div><div><p>Kanpur, Uttar Pradesh, India 388/359A(2) Mona nagar, Jajmau, Kanpur, Uttar Pradesh 208008, India Lat 26.417783° Long 80.417675° 03/10/22 10:16 AM GMT +05:30</p></div></div>	<div>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.</div>	21.09.2021		Pending												
H	Blower Room		<div><div></div><div><p>Unnamed Road, Jajmau Sub Metro City, Kanpur, Uttar Pradesh 208008, India</p><table><tr><th></th><th>Decimal</th><th>DMS</th></tr><tr><td>Kanpur</td><td>Latitude</td><td>26.416219 26°24'58" N</td></tr><tr><td>Uttar Pradesh</td><td>Longitude</td><td>80.41914 80°25'8" E</td></tr><tr><td>India</td><td></td><td></td></tr></table><p>2022-10-13(Thu) 12:51(pm)</p></div></div>		Decimal	DMS	Kanpur	Latitude	26.416219 26°24'58" N	Uttar Pradesh	Longitude	80.41914 80°25'8" E	India						
	Decimal	DMS																	
Kanpur	Latitude	26.416219 26°24'58" N																	
Uttar Pradesh	Longitude	80.41914 80°25'8" E																	
India																			
1	Air Blower No.1	Operated																	
2	Air Blower No.2	Operated		<div>1. Air Blower remote system cable need to dressed properly. 2 Air blower no.1 need to be rectified . 3.Acoustic hood need to be installed . 4. Vibration and Temperature need to be measure on regular basis. 5. Log book need to be maintained. 6. Pressure guages need to be installed. 7. PRV need to be checked. 8. Insulation work in discharge line needs to be done by KRMP.</div>	21.09.2021		Pending												
3	Air Blower No.3	Non-operational since 15.08.2022																	
I	Aeration Tank	Operated	<div><div></div><div><p>Unamed Road, Jajmau Sub Metro City, Kanpur, Uttar Pradesh 208008, India</p><table><tr><th></th><th>Decimal</th><th>DMS</th></tr><tr><td>Kanpur</td><td>Latitude</td><td>26.416414 26°24'59" N</td></tr><tr><td>Uttar Pradesh</td><td>Longitude</td><td>80.419028 80°25'8" E</td></tr><tr><td>India</td><td></td><td></td></tr></table><p>2022-10-13(Thu) 12:50(pm)</p></div></div>		Decimal	DMS	Kanpur	Latitude	26.416414 26°24'59" N	Uttar Pradesh	Longitude	80.419028 80°25'8" E	India			<div>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. 7. 4 Sets of diffuser needs to be repired on urgent basis.</div>	21.09.2021		Pending
	Decimal	DMS																	
Kanpur	Latitude	26.416414 26°24'59" N																	
Uttar Pradesh	Longitude	80.419028 80°25'8" E																	
India																			
J	Final Sedimentation tank	Operated	<div><div></div><div><p>GD9C1394, Chakari Ward, Kanpur, Uttar Pradesh 208008, India</p><table><tr><th></th><th>Decimal</th><th>DMS</th></tr><tr><td>Kanpur</td><td>Latitude</td><td>26.416539 26°24'59" N</td></tr><tr><td>Uttar Pradesh</td><td>Longitude</td><td>80.420198 80°25'12" E</td></tr><tr><td>India</td><td></td><td></td></tr></table><p>2022-10-13(Thu) 11:56(am)</p></div></div>		Decimal	DMS	Kanpur	Latitude	26.416539 26°24'59" N	Uttar Pradesh	Longitude	80.420198 80°25'12" E	India			<div>1. Cleaning work need to be done. 2. Painiting work need to be done. 3. Alignment of Mechanism need to be rectified. 4. "V" notch need to be replace.</div>	21.09.2021		Pending
	Decimal	DMS																	
Kanpur	Latitude	26.416539 26°24'59" N																	
Uttar Pradesh	Longitude	80.420198 80°25'12" E																	
India																			

K	43 MLD TEPH(5 Nos Pumps)	4 Nos. Operational Pump no 4 non operational since 21.09.2022		<p>1. Pump no. 4 is in under maintenace since 21.09.2022.</p> <p>2. Each pump capacity 900m3/hr.</p> <p>3.Lubrication of each equipment need to be done.</p> <p>4. Log book need to be maintain properly.</p> <p>5.Vibration and Temperature need to be measure on regular basis.</p> <p>6. Ameter need to be repaired.</p>	21.09.2021		Pending
L	RSPH	Operational		<p>1. Excess sludge pump no. 3 found non-operational since 25.08.2022</p> <p>2.Waste activated sludge 2 nos. pumps found functional .</p> <p>3. Ameter need to be repaired.</p>	21.9.2021		Pending
Remarks:-			<p>Important Note- ED (Technical) visited on 07.10.2021 directed to KRMPL to dispose the sludge as per UPPCB/ NGT norms</p> <p>1. At the time of power failure there are no power backup is available.KRMPL has been shutting down the STP which was deteriorated process of the 43 MLD STP plant.</p> <p>2. CCTV cameras required to installed immediately at centrifuge equipments as agreed by KRMPL.</p> <p>3. Landscaping work need to be done by KRMPL.</p> <p>4. All mechanical,electrical and instrumentation equipments need to be functional properly.</p> <p>5. Painting work need to be done by KRMPL beacause acceptance criteria not fulfilled yet given below:-</p> <p>i) All painted surfaces shall be uniform and pleasing apperance.</p> <p>ii) The colour,textures etc shall match exactly with approved samples.</p> <p>iii) All stains,splashes and splatters of paint shall be removed from surrounding surfaces.</p> <p><i>P. Girdhar</i></p>				