



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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pe.kanpurstc@gmail.com

Ref. STC / PE / KNP /1514/43 MLD O&M Jajmau

Date :26.03.2022

To,
Superintend Engineer
Construction Circle,
Ganga Pollution Control Unit,
Uttar Pradesh Jal Nigam,
Etawah
Email:se.etw.upjn@gmail.com

Sub: HAM KANPUR: Inspection Report of 43 MLD IPS and STP Jajmau facilities Phase II, Inspection done on 15.03.2022

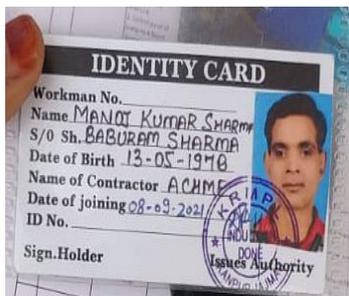
Dear Sir,

Kindly note that an inspection was conducted at 43 MLD IPS facilities on 15.03.22. Following UPJN & STC officials were present.

1. Mr. Ajeet Singh- UPJN J.E Civil
2. Mr. Shezeb Iqbal- UPJN J.E Civil
3. Mr. Ankit Singh-UPJN J.E E&M
4. Mr. Ashish Seyal- UPJN J.E E&M
5. Dr. Giridhar prabhukar, (Team Leader and watsse water Expert),STC Kanpur
6. Mr. Anuj Kushwaha, (Support Engineer- Civil),STC Kanpur
7. Mr. Ajay Kumar Goyal,(Support Engineer-Mechanical),STC Kanpur

Please find enclosed the concerned Inspection Report of 43 MLD STP and IPSs Jajmau Phase II facilities. Some major issues which are pending from long back are highlighted below for 43 MLD STP and IPS facilities:-

1. Over flow condition at Parmiya IPS and Shishamau IPS need to be here by taking action.
2. KRMPL has arranged sub- contractors (Supervisors, Operators and sweepers) from vendor "**ACHME**". KRMPL need to take necessary approval From UPJN as per CA Article 8.3(a) and (b). Supervisors, Operators taken by Vendors and they are not suitably skilled and relevant experiences.



3. Level sensor is non-operational since handover for Parmiya IPS.
4. Raw sewage pump no. 3 needs to be repaired on Parmiya IPS.
5. Calibration of instrumentation needs to be done of Parmiya and Shishamau IPS.
6. Mechanical screen No.2 and panel needs to be repaired for Shishamau IPS.

7. Raw sewage pump no. 5 needs to be repaired on Parmiya IPS.
8. Auto system of mechanical screen needs to be installed at 43 MLD STP Jajmau.
9. Mechanical screen No. 1 & 2 needs to be functional properly at 43 MLD STP Jajmau.
10. Grit classifier system need to be operational properly at 43 MLD STP Jajmau.
11. Power backup for Flow meter need to be installed at 43 MLD STP Jajmau.
12. Sludge thickener need to be repaired at 43 MLD STP Jajmau
13. Sludge Digester, digested feed pumps and Poly dosing mixing agitator no.1 & no.2 need to be repaired at 43 MLD STP Jajmau.
14. Air blower no.2 need to be repaired at 43 MLD STP Jajmau.
15. CCTV cameras need to be installed at all sites.
16. Deployment of adequate nos. of staff, well qualified and experienced for IPSs and STP.
17. TEPH pump no.4 need to be repaired on urgent basis.
18. KRMPL has not arranged Safety shoes, Safety helmets and Safety Jackets for their staff at site.

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

Encl: Inspection report of 43 MLD STP
Inspection report of 43 MLD IPSs

Yours sincerely



(Dr. Giridhar Prabhukumar)
Team Leader, STC Kanpur

Copy to the following with enclosure for information:

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-Ist, PM-IIIrd, 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. Construction Manager , Kanpur River Management Pvt. Ltd., Kanpur

T.L

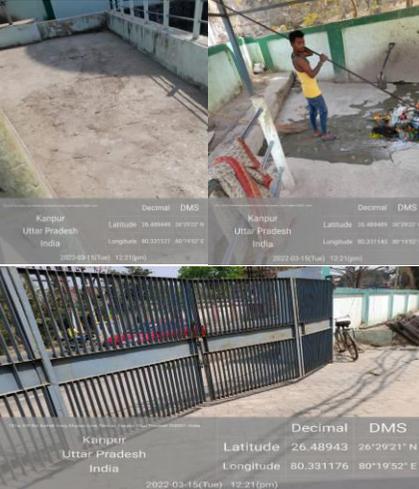
 SITE INSPECTION OF JAJMAU ASSOCIATED IPS REPORT				Parmiya IPS - 3.5 MLD	Date: 15.03.2022	INSPECTED BY: UPJN Team 1. Mr. Ajeet Singh, J.En Civil 2. Mr. Ankit Singh, J.En E&M 3. Mr. Ashish Seyal, J.En E&M STC-Team 1. Dr. Girdhar Prabhukumar, Team Leader cum Waste water Expert. 2. Mr Anuj Kushwaha(Support Engineer Civil) 3. Mr Ajay Goyal (Support Engineer- Mechanical) KRMLP-Team 1. Mr Satyam Bharati, Process Engineer	
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 KRMLP	Current Status of Compliance
1	All work						
1	Parmiya Nala Tapping	Overflow Condition since handover date	 <p>Decimal DMS Kanpur Latitude 26.501999 26°30'7" N Uttar Pradesh Longitude 80.315387 80°18'55" E India 2022-03-15(Tue) 10:52(am)</p>	Over flow condition found since handover. Upjn need to take action in this regards.	25.08.2021		Action to be taken by UPJN
2	Inlet Chamber	Epoxy coating found improper in inlet chamber.	 <p>Decimal DMS Kanpur Latitude 26.502008 26°30'7" N Uttar Pradesh Longitude 80.315351 80°18'55" E India 2022-03-15(Tue) 10:59(am)</p>	1. Finishing of wall need to be done. 2. Epoxy coating work need to be done.	15.12.2021		Pending

3	Coarse bar Screen Chamber(Manual)	Garbages and rusted MS stair and handrailing found		<ol style="list-style-type: none"> 1. Removal of polythene,papers,plastic should be on regular basis. 2. Painting work should be done by KRMPPL for MS Staircase and handrails. 3. Trolley for garbages disposal arranged by KRMPPL. 	15.12.2021		Pending
4	Coarse bar Bar Screen Chamber(2-Mechanical , 1- Manual)	Mechanical screen 1 &2 are operational not being operated regularly whenever STC/UPJN PM visited the site it was found that both the screen were not being operated.KRMPPL statred the mechanical screens and conveyor belt when asked by STC team.		<ol style="list-style-type: none"> 1. Both screens and conveyor belt need to be operated regularly. 2. UPJN/STC has inspected the site but everytime mechanical screen and conveyor belts found in un-operational position.UPJN/STC asked to operator then they start mechanical screen and conveyor belt.This is false practice and it is not acceptable. 3. Mechanical Screen No 1 &2 found in working condition. 4. Lubrication of E&M equipment no are not doing by KRMPPL 5. Solid Chute is not fix at end of Conveyor belt. 6. Stud bolt lubrication has not done by KRMPPL 7. Sensor system need to be arranged by KRMPPL. 8. Screen panel door glass found damaged,it need to be replaced. 9. Painting work need to be done for conveyor belt. 	15.12.2021		Pending

4	Pump house cum Panel room	<p>1. Horizontal and vertical cracks found in pump house structure.</p> <p>2. Control panel of pump no 4 found damaged.</p>		<p>1. Monorail painting work and load certification of manual Chain pully block didn't done by KRMP.</p> <p>2. Control panel of pump no 4 required rectification.</p> <p>3. Cracks Repairing work and painting work required.</p> <p>4. Caliberation of Flow meter need to be submitted by KRMP.</p> <p>5. 2 Nos. tubelight is not in working condition.</p> <p>6. Exhaust fan is not in working condition.</p>	15.12.2021		Pending
i	Pump No.1 (Capacity =180 m3/hr)	Operational		It is in working condition			
ii	Pump no.2 (Capacity =180 m3/hr)	Operational		It is in working condition			
iii	Pump No.3 (Capacity =180 m3/hr)	Non-Operational		Pump no 03 found non-operational since 02.03.2022			Pending
iv	Pump No.4 (Capacity =180 m3/hr)	Operational		It is in working condition			
5	Common headerChamber	<p>1. Horizontal and vertical cracks found in common header chamber.</p> <p>2. All stud bolts found rusted.</p>		<p>1.Cracks repairing work should be done by KRMP.</p> <p>2. All stud bolts are rusted,KRMP has not lubricated on regular basis.</p> <p>3. Valve and NRV directions are not visualize during operation.So KRMP has shown the direction on as stated above.</p>	15-12-2021		Pending

6	DG set	DG set found operational and Horizontal and vertical cracks found in civil structure.	 <p>Decimal DMS Kanpur Uttar Pradesh India Latitude 26.501936 26°30'6" N Longitude 80.315422 80°18'55" E 2022-03-15(Tue) 11:10(am)</p>	<ol style="list-style-type: none"> 1. DG set is in working condition. 2. Exhaust chimney height of DG set is not as per CPCB norms. 3. Crackss repairing work and painting work should be done by KRMPPL. 4. Electric pole found rusted,It need to be rectified. 5. KRMPPL has not maintained diesel stock at site. 6. Handrails need to be fixed at DG set platform and MS Ladder. 	15-12-2021		Pending
7	Boundary wall	<ol style="list-style-type: none"> 1. Horizontal and vertical cracks found in civil structure. 2. Painting work found unpleasing appearances and non uniform. 	 <p>Decimal DMS Katarjiyora Nawab Ganj Uttar Pradesh India Latitude 26.503025 26°30'12" N Longitude 80.315217 80°18'54" E 2022-03-15(Tue) 11:31(am)</p>	<ol style="list-style-type: none"> 1. Boundary wall Painting work need to be done. 2. Kesco cable fault on 14.03.2022 after that IPS was running on DG power. 	15-12-2021		Pending
8	Internal road, Land scaping work and Campus Lightening work	<ol style="list-style-type: none"> 1. Interlocking road found settlement. 2. Utility unavailability for water drinking and daily purpose. 3. Electric pole has started to rust. 		<ol style="list-style-type: none"> 1. Under renovation of IPS ,Interlocking road found settlement some location inside campus, That must be rectified by KRMPPL. 2.Total light 8 Nos in working condition. 3. Utility of water connection need to be arranged for drinking and daily purpose. 4.Painting work of electripole is required. 	15.12.2021		Pending
9	Valve Chamber	Frame chamber of valve chamber found rusted.	 <p>Decimal DMS Kanpur Uttar Pradesh India Latitude 26.501936 26°30'6" N Longitude 80.315422 80°18'55" E 2022-03-15(Tue) 11:10(am)</p>	<ol style="list-style-type: none"> 1.Red oxide primer and painting work should be done by KRMPPL for MS cover. 	15.12.2021		Pending

10	Back flow Condition	Back flow of sewerage from Parmiya Tapping shows near Culvert(Aunpriya merrage home)		1.Pump houses 1 and 2 need to be funtional Nawabganj IPSS to resolve the back flow condition.	21.12.2021		Pending
11	Documentation	KRMPL has not maintained documenattiuon work properly.		1. Security guard need to be arranged by KRMPL. 2. Diesel stock log book has not maintained by KRMPL on regular basis. 3.Site visitor register has not maintained by KRMPL. 4. Plant-Incharge was not available during UPJN/STC site visit. 5. Pumps log book has not maintained properly. 6. Maintenance records was not available at site for all E&M equipments.			Long pending
 SITE INSPECTION OF JAJMAU ASSOCIATED IPS REPORT					Shishmau IPS -45 MLD	Date: 15.03.2022	INSPECTED BY: UPJN Team 1. Mr. Ajeet Singh, J.En Civil STC-Team 1. Dr. Giridhar Prabhukumar, Team Leader cum Waste water Expert. 2. Mr Anuj Kushwaha(Support Engineer Civil) 3. Mr Ajay Goyal (Support Engineer- Mechanical) KRMPL-Team 1. Mr Satyam Bharati, Process Engineer
S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition Photo	Current defects and Corrective Action Suggested by STC, PE	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
1	All work						

1	Shishamau Nala Tapping	Overflow conition found.	 <p>Decimal DMS Latitude 26.489506 26°29'22" N Longitude 80.331175 80°19'52" E 2022-03-15(Tue) 12:19(pm)</p>	<p>1. During visit it was found that there is overflow condition of channel. 2. Silt removal work need to be done by KRMPL. 3. UPJN/STC asked to KRMPL to measured the depth of Shishamau Nala.</p>	15.02.2022		Pending
i	Manual Coarse bar screen Chamber	Civil struture is in satisfactory condition	 <p>Decimal DMS Latitude 26.489294 26°29'31" N Longitude 80.330885 80°19'51" E 2022-03-15(Tue) 12:19(pm)</p> <p>Decimal DMS Latitude 26.489294 26°29'31" N Longitude 80.330885 80°19'51" E 2022-03-15(Tue) 12:19(pm)</p>	<p>1.Handles of open channel gate didn't find.KRMPL need to installed all the Handles for gate. 2.Trolley for garbages disposal arranged by KRMPL. 3.Out of 3 Nos of Lights only 2 Nos is in working condition.</p>	15.12.2021		Pending
ii	RCC slab of Shashamau NALA tapping	Civil structure is in unsatisfactory condition	 <p>Decimal DMS Latitude 26.489448 26°29'32" N Longitude 80.331131 80°19'52" E 2022-03-15(Tue) 12:21(pm)</p> <p>Decimal DMS Latitude 26.489448 26°29'32" N Longitude 80.331131 80°19'52" E 2022-03-15(Tue) 12:21(pm)</p> <p>Decimal DMS Latitude 26.489443 26°29'21" N Longitude 80.331176 80°19'52" E 2022-03-15(Tue) 12:21(pm)</p>	<p>1.Renovation of slab top surface should be rectified by KRMPL. 2.Garbage material should be remove from campus. 3.Renovation of boundary wall required. 4.Settled Interlocking area should be rectify by KRMPL 5.M.S gate should be repair by KRMPL 6. CCTV installation need to be done.KRMPL has promised to installed CCTV within a month. 7. KRMPL operators and sweepers are working without safety shoes, safety helmets and Safety Jackets at site.</p>	15.12.2021		pending

2	Inlet Chamber	Epoxy coating found improper in inlet chamber.		1. Cleaning need to be done. 2. Epoxy Coating need to be done.	15.12.2021		Pending
3	Coarse bar Screen Chamber(Manual)	Civil work is in satisfactory condition		1. Mechanical Screen Nos. 1 is in working condition and Mechanical screen no. 02 are not in working condition since 10.02.2022 2. Electrical hoist need to be repaired for Manual screen. 3. Manual screen was in overflow condition. 4. Level Indicator is not working condition. 5. Panel cover need to be installed. 6. Trolley for garbages disposal arranged by KRMPL. 6. Log book need to be done properly. 7. CCTV installation need to be done.KRMPL has promised to installed CCTV within a month. 8. Screen panel was not in working condition,It need to be repaired immediately. 9. Chain-pully was not in working condition for Mechanical screen No. 1	15.12.2021		Pending
4	Coarse bar Screen Chamber(Mechanical)	Mechanical screen 01 is in working condition and Mechanical screen 02 is not in working condition.	 	1. Pump no. 05 non-operation since 25.02.2022 2. Caliberation report of flow meter need to be submitted by KRMPL. 3. Loog book need to be maintain properly. 4. Exhaust fan need to be installed. 5. Switich board need to be repair. 6. Emergency fire bucket need to fill by sand. 7. Monorail painting work and load certification of manual Chain pully block didn't done by KRMPL. 8. Stud bolt lubrication has not done by KRMPL. 9. KRMPI has not conducted anv submitted schedule	15.12.2021		Pending
5	Pump house cum Panel room		   	1. Pump no. 05 non-operation since 25.02.2022 2. Caliberation report of flow meter need to be submitted by KRMPL. 3. Loog book need to be maintain properly. 4. Exhaust fan need to be installed. 5. Switich board need to be repair. 6. Emergency fire bucket need to fill by sand. 7. Monorail painting work and load certification of manual Chain pully block didn't done by KRMPL. 8. Stud bolt lubrication has not done by KRMPL. 9. KRMPI has not conducted anv submitted schedule	15.12.2021		Pending
i	Pump no 1 Capacity(1080 cum/hr)	Operational			15.12.2021		Pending
ii	Pump no 2 Capacity(1080 cum/hr)	Operational			15.12.2021		Pending

iii	Pump no 3 Capacity(1080 cum/hr)	Operational	 <p>Decimal DMS Latitude 26.489979 26°29'23" N Longitude 80.330468 80°19'49" E 2022-03-15(Tue) 11:53(am)</p>	KRMPL has not conducted any scheduled preventive maintenance plan at Site.				
iv	Pump no 4 Capacity(1080 cum/hr)	Operational						
v	Pump no 5 Capacity(1080 cum/hr)	Non-Operational						
vi	Pump no 6 Capacity(1080 cum/hr)	Operational						
6	Common headerChamber	Operational	 <p>Decimal DMS Latitude 26.489979 26°29'23" N Longitude 80.330468 80°19'49" E 2022-03-15(Tue) 11:54(am)</p>	<ol style="list-style-type: none"> 1.Pressure guage of pump no 2 is not in woking condition. 2.Pump No 2 and Pump No 5 line and leakages. 3. Valve and NRV directions are not visualize during operation.So KRMPL has shown the direction on as stated above. 	15.12.2021		Pending	
7	DG set	Both DG set found operational but diesel fuel found short.	 <p>Decimal DMS Latitude 26.489966 26°29'23" N Longitude 80.330391 80°19'49" E 2022-03-15(Tue) 11:54(am)</p>	<ol style="list-style-type: none"> 1. Both DG set is in working condition. 2. DG log book is not mainatining by KRMPL. 3. Only 33% diesel available at DG set- 1 and 33% diesel available at DG set-2. 4. 8 Nos light are functional out of 11 Nos. 	15.12.2021		Pending	
8	Transformer	Transformer found operational but their entry gate is damage.	 <p>Decimal DMS Latitude 26.489956 26°29'23" N Longitude 80.330483 80°19'49" E 2022-03-15(Tue) 11:47(am)</p>	<ol style="list-style-type: none"> 1. Cleaning work need to be done at Transformer yard area. 2. Entry gate need to be repair. 3. Transformer breather silica gel in pink colour,It need to be replaced. 	21.12.2021		Pending	

9	Documentation	<p>KRMPL has not maintained documentatiuon work properly.</p>		<ol style="list-style-type: none"> 1. Security guard need to be arranged by KRMPL. 2. Diesel stock log book has not maintained by KRMPL on regular basis. 3. Site visitor register has not maintained by KRMPL. 4. Plant-Incharge was not available during UPJN/STC site visit. 5. Pumps log book has not maintained properly. 6. Maintenance records was not available at site for all E&M equipments. 			Long pending
	Remarks	<ol style="list-style-type: none"> 1. CCTV installation work need to be done by KRMPL for IPS Parmiya and IPS Shishamau . 2. Power backup need to be installed by KRMPL for flowmeter and IPSs. 3. Painting work need to be done by KRMPL beacause acceptance criteria not fulfilled yet given below:- <ol style="list-style-type: none"> i) All painted surfaces shall be uniform and pleasing apperance. 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. 					



SITE INSPECTION REPORT FOR 43 MLD JAJMAU PHASE-II STP

JAJMAU PHASE-II STP - 43 MLD

Inspection Date: 15.03.2022

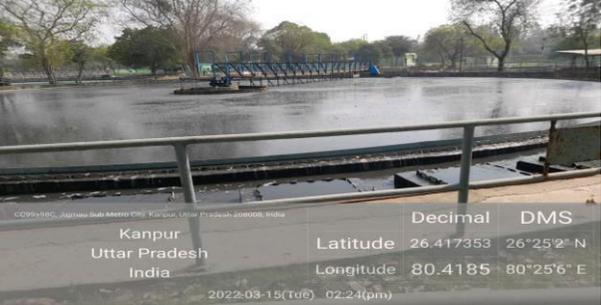
VIRTUAL INSPECTED BY: PE, UPJN

UPJN- Team
1. Mr. Shehdev Iqbal (Jen civil)
2. Mr. Ankit Singh, J.En E&M
3. Mr. Ashish Seyal, J.En E&M

STC-Team
1.Mr. Dr. Giridhar prabhakar (Team Leader and watsse water Expert)
2. Mr. Ajay Goyal (Support Engineer-Mechanical)
3. Mr. Anuj Kushwaha(Support Engineer Civil)

KRMPL-Team
1. Mr Satyam Bharati, Process Engineer,43 MLD STP Jajmau facilities
2. Mr Shrikrishna -Incharge 130 MLD STP facilities

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.	 CCPR-667, Jajmau Sub Merit City, Kanpur, Uttar Pradesh 208009, India Kanpur Uttar Pradesh India Decimal DMS Latitude 26.41764 26°25'3" N Longitude 80.418106 80°25'5" E 2022-03-15(Tue) 01:57(pm)	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)	Non-operated and not proper alignment	 CCPR-667, Jajmau Sub Merit City, Kanpur, Uttar Pradesh 208009, India Kanpur Uttar Pradesh India Decimal DMS Latitude 26.41766 26°25'3" N Longitude 80.41808 80°25'5" E 2022-03-15(Tue) 01:58(pm)	1.Fine Screen need to be cleaning properly. 2. Screen Level Sensor need to be replaced. 3. Screen panel autosystem need to be repaired. 4. Panel stand need to be painted. 5. Cable tray need to be replaced and painted. 6.All light creen area need 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 be 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)	 CCPR-667, Jajmau Sub Merit City, Kanpur, Uttar Pradesh 208009, India Kanpur Uttar Pradesh India Decimal DMS Latitude 26.41766 26°25'3" N Longitude 80.41808 80°25'5" E 2022-03-15(Tue) 01:58(pm)		21.09.2021		Pending.
3	Fine Screen No.3(Manual)	Opertaional	 Kanpur Uttar Pradesh India Decimal DMS Latitude 26.41766 26°25'3" N Longitude 80.41808 80°25'5" E 2022-03-15(Tue) 01:58(pm) screen pannel		16.12.2021		Pending.

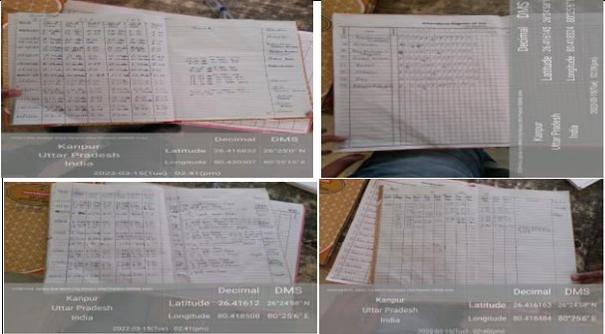
B.	Grit Mechanism					
1	Grit chamber-1 1)Organic pump with Motor 2)Scraper 3)Classifier Mechanism	Grit classifier system shutdown from 08.03.2022		<ol style="list-style-type: none"> Grit removal system previously shutdown on 27.02.2022 to 01.03.2022 and after that Grit classifier shutdown from 08.03.2022 for repairing of grit classifier mechanism. Alignment of classifier is in under progress. Installation of new blades is in progress. Painting needs to be done to equipment / covers wherever rusting. Organic pump need to be repair. Cable tray need to be painted. All E&M equipments shall be lubricate on regular basis and maintain the log book at site. Log book need to be maintained KRMPL need to clean grit chamber tank properly. Repairing work in grit chamber need to be done. Coal tar epoxy coat need to be done. 	30.09.2021	Pending
C	Inlet flow meter	Operational		<ol style="list-style-type: none"> Flow meter cover need to be replaced. Visual of flow is not clear. Log book need to be maintained. At the time of power failure there are no power backup is available for flow meter. So KRMPL has to provided power backup facility. 	21.09.2021	Pending
	Open Channel	Operational		<ol style="list-style-type: none"> Open channel need to be cover with frame cover . Repairing and Painting work need to be done. 	16.12.2021	Pending
D	Primary Unit					
1	Primary sedimentation tank	Operational		<ol style="list-style-type: none"> Cleaning work of PST need to be done. Cracks repairing work need to be done. Painting work need to be done. "V" notch need to be replaced. Handrailing work need to be paint. Alignment need to be rectified for PST. Log book need to be maintained. Scum chamber need to be clean. loose concrete work need to be cleaned and track should be proper grout. Housekeeping need to be done. Sludge need to be clean properly . 	21.09.2021	Pending

E	Panel room	Operational		<p>1.Screen panel voltmeter need to be replaced. 2. Dosing agitator ammeter need to be replaced .</p>	21.09.2021		Pending
F	Sludge System						
1	Centrifuge feed pump(No.1 &2)	Operational-1 Nos Pump No.2 found non-functional		<p>1. Pump cleaning need to be required. 2. Pump lubrication need to be done on regular basis by KRMPPL. 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 KRMPPL. 6. Pump no. 02 found heavy vibration due to bearing in damaged condition.Bearing need to be changed.</p>	21.09.2021		Pending
2	Centrifuge panel	Operational		<p>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</p>	21.09.2021		Pending
3	Centrifuge No.1	Operational		<p>1. Need to be overhauled & servicing. 2.Pipe support shall be installed properly for sludge feed line and dosing line. 3. Electrical cables need to be lineup properly. 4.CCTV has been installed by KRMPPL on 05.03.2022 but their specification has not submitted by KRMPPL yet.</p>	21.09.2021		Pending
4	Centrifuge No.2	Operational		<p>1. Need to be overhauled & servicing. 2. Dosing of Poly electrolyte dosing in sludge feed line not properly tapping according to design .Therefore dosing line tapping from upword to downward direction.KRMPPL 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.</p>	21.09.2021		Pending

5	Centrifuge thickened sludge sump + Agitator 2 Nos.	1 - Operated 1- Operated	 <p>Unnamed Road, Jajmau Sub Metro City, Kanpur, Uttar Pradesh 208008, India</p> <table border="1"> <thead> <tr> <th></th> <th>Decimal</th> <th>DMS</th> </tr> </thead> <tbody> <tr> <td>Kanpur</td> <td></td> <td></td> </tr> <tr> <td>Uttar Pradesh</td> <td>Latitude</td> <td>26.416087 26°24'57" N</td> </tr> <tr> <td>India</td> <td>Longitude</td> <td>80.418841 80°25'7" E</td> </tr> </tbody> </table> <p>2022-03-15(Tue) 02:48(pm)</p>		Decimal	DMS	Kanpur			Uttar Pradesh	Latitude	26.416087 26°24'57" N	India	Longitude	80.418841 80°25'7" E	<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
	Decimal	DMS																	
Kanpur																			
Uttar Pradesh	Latitude	26.416087 26°24'57" N																	
India	Longitude	80.418841 80°25'7" E																	
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	Non-Operational	 <p>Unnamed Road, Jajmau Sub Metro City, Kanpur, Uttar Pradesh 208008, India</p> <table border="1"> <thead> <tr> <th></th> <th>Decimal</th> <th>DMS</th> </tr> </thead> <tbody> <tr> <td>Kanpur</td> <td></td> <td></td> </tr> <tr> <td>Uttar Pradesh</td> <td>Latitude</td> <td>26.416093 26°24'57" N</td> </tr> <tr> <td>India</td> <td>Longitude</td> <td>80.418846 80°25'7" E</td> </tr> </tbody> </table> <p>2022-03-15(Tue) 02:45(pm)</p>		Decimal	DMS	Kanpur			Uttar Pradesh	Latitude	26.416093 26°24'57" N	India	Longitude	80.418846 80°25'7" E	<ol style="list-style-type: none"> 1. Need to be rectified. 2. Need to Be cleaned the Sump bottom. 3. Need to be replaced because it is not in working condition as per design. 4. Cleaning of tank need to be done. 	21.09.2021		Pending
	Decimal	DMS																	
Kanpur																			
Uttar Pradesh	Latitude	26.416093 26°24'57" N																	
India	Longitude	80.418846 80°25'7" E																	
8	Agitator No.2	Non-Operational from 02.03.2022	 <p>Kanpur Uttar Pradesh India</p> <table border="1"> <thead> <tr> <th></th> <th>Decimal</th> <th>DMS</th> </tr> </thead> <tbody> <tr> <td></td> <td>Latitude</td> <td>26.416062 26°24'57" N</td> </tr> <tr> <td></td> <td>Longitude</td> <td>80.418803 80°25'7" E</td> </tr> </tbody> </table> <p>2022-03-15(Tue) 02:45(pm)</p>		Decimal	DMS		Latitude	26.416062 26°24'57" N		Longitude	80.418803 80°25'7" E	<ol style="list-style-type: none"> 1. Rusted steel Structure need to be replaced. 2. Coupling got broken on 02.03.2022, KRMPPL need to repaired on urgent basis. 3. Cleaning of tank need to be done. 	21.09.2021		Pending			
	Decimal	DMS																	
	Latitude	26.416062 26°24'57" N																	
	Longitude	80.418803 80°25'7" E																	
9	Digester No.1	Non-operated	 <p>Unnamed Road, Jajmau Sub Metro City, Kanpur, Uttar Pradesh 208008, India</p> <table border="1"> <thead> <tr> <th></th> <th>Decimal</th> <th>DMS</th> </tr> </thead> <tbody> <tr> <td>Kanpur</td> <td></td> <td></td> </tr> <tr> <td>Uttar Pradesh</td> <td>Latitude</td> <td>26.415975 26°24'57" N</td> </tr> <tr> <td>India</td> <td>Longitude</td> <td>80.418868 80°25'7" E</td> </tr> </tbody> </table> <p>2022-03-15(Tue) 02:50(pm)</p>		Decimal	DMS	Kanpur			Uttar Pradesh	Latitude	26.415975 26°24'57" N	India	Longitude	80.418868 80°25'7" E	<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
	Decimal	DMS																	
Kanpur																			
Uttar Pradesh	Latitude	26.415975 26°24'57" N																	
India	Longitude	80.418868 80°25'7" E																	

10	Digester feed Pump(No.1 & 2)	Non-Operated	 <p>CC08+SJA_ Japnau Sub Metro City, Kanpur, Uttar Pradesh 208008, India</p> <table border="1"> <thead> <tr> <th></th> <th>Decimal</th> <th>DMS</th> </tr> </thead> <tbody> <tr> <td>Kanpur Uttar Pradesh India</td> <td>Latitude 26.416166 Longitude 80.41826</td> <td>26°24'58" N 80°25'5" E</td> </tr> </tbody> </table> <p>2022-03-15(Tue) 02:37(pm)</p>		Decimal	DMS	Kanpur Uttar Pradesh India	Latitude 26.416166 Longitude 80.41826	26°24'58" N 80°25'5" E	<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
	Decimal	DMS											
Kanpur Uttar Pradesh India	Latitude 26.416166 Longitude 80.41826	26°24'58" N 80°25'5" E											
G	Sludge Thickner No.1	Non-Operated	 <p>CC09+SBC_ Japnau Sub Metro City, Kanpur, Uttar Pradesh 208008, India</p> <table border="1"> <thead> <tr> <th></th> <th>Decimal</th> <th>DMS</th> </tr> </thead> <tbody> <tr> <td>Kanpur Uttar Pradesh India</td> <td>Latitude 26.417354 Longitude 80.418536</td> <td>26°25'2" N 80°25'6" E</td> </tr> </tbody> </table> <p>2022-03-15(Tue) 02:35(pm)</p>		Decimal	DMS	Kanpur Uttar Pradesh India	Latitude 26.417354 Longitude 80.418536	26°25'2" N 80°25'6" E	<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
	Decimal	DMS											
Kanpur Uttar Pradesh India	Latitude 26.417354 Longitude 80.418536	26°25'2" N 80°25'6" E											
1	Supertanant pump no 1 & 2	Operational	 <p>CC08+SJA_ Japnau Sub Metro City, Kanpur, Uttar Pradesh 208008, India</p> <table border="1"> <thead> <tr> <th></th> <th>Decimal</th> <th>DMS</th> </tr> </thead> <tbody> <tr> <td>Kanpur Uttar Pradesh India</td> <td>Latitude 26.416169 Longitude 80.418244</td> <td>26°24'58" N 80°25'5" E</td> </tr> </tbody> </table> <p>2022-03-15(Tue) 02:36(pm)</p>		Decimal	DMS	Kanpur Uttar Pradesh India	Latitude 26.416169 Longitude 80.418244	26°24'58" N 80°25'5" E	<ol style="list-style-type: none"> 1. We have found heavy viberation at Pump no 2 during visit.KRMPL need to be repair. 2. Pipe support need to be replace as required . 3. Viberation 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
	Decimal	DMS											
Kanpur Uttar Pradesh India	Latitude 26.416169 Longitude 80.418244	26°24'58" N 80°25'5" E											
2	Thickened Sludge Pump house and Pumps 1 nad 2 Nos.	Pump no 1 , Operational since 05.02.2022 Pump no. 2, Non-operational since handover		<ol style="list-style-type: none"> 1. Need to be Overhaul and repair. 2. Cleaning work need to be done. 3. Viberation and Temperature need to be measure on regular basis. 	21.09.2021		Pending						
H	Blower Room												

1	Air Blower No.1	Operational		<ol style="list-style-type: none"> Air Blower remote system cable need to dressed properly. Air blower no.1 need to be rectified . Acoustic hood need to be installed . Vibration and Temperature need to be measure on regular basis. Log book need to be maintained. Pressure guages need to be installed. PRV need to be checked. Discharge line insulation need to be installation. 	21.09.2021		Pending
2	Air Blower No.2	Non-operational since 15.03.2022					
3	Air Blower No.3	Operational					
I	Aeration Tank	Operated		<ol style="list-style-type: none"> Pipe lines need to be changed. Valves need to be changed. Handrails need to be painted. Diffuser line need to be Cleaned and mentained records also. Insulation required for discharge line of blower. Rope need to be replaced. KRMPL need to rectified choke diffusers. 	21.09.2021		Pending
J	Final Sedimentation tank	Operated		<ol style="list-style-type: none"> Cleaning work need to be done. Painting work need to be done. Alignment of Mechanism need to be rectified. "V" notch need to be replace. 	21.09.2021		Pending

K	43 MLD TEPH(5 Nos Pumps) Pumps capacity are 900cum/hr	Operational		<ol style="list-style-type: none"> 1. Pump No 2 are not in working condition since 20.02.2022. 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, Pumps no.1 and 2 ,800m3/hr	Operational		<ol style="list-style-type: none"> 1. 2 Nos. of pumps in Operational(1 W +1 S). 2. Excess sludge pump No. 2 operational from 15.02.2022 3. Ameter need to be repaired. 4. Pump no. 2 got heavy vibration, it must be repaired. 5. Heavy vibration found in waste activated sludge pump no. 1 . 6. All pumps need to lubrication. 	21.9.2021		Pending
M	Documentation	KRMPL has not maintained documentation work properly		<ol style="list-style-type: none"> 1. KRMPL need to maintained all logbooks properly with operational and non-operational equipments included dates. 2. KRMPL has not maintained any breakdown data of equipments. 	21.09.2021		Pending

Remarks:-

Important Note- ED (Technical) visited on 07.10.2021 directed to KRMPL to dispose the sludge as per UPPCB/ NGT norms
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.
2. CCTV cameras required to installed immediately at centrifuge equipments as agreed by KRMPL.
3. Landscaping work need to be done by KRMPL.
4. All mechanical,electrical and instrumentation equipmets need to be functional properly.
5. Painting work need to be done by KRMPL beacause acceptance criteria not fulfilled yet given below:-
i) All painted surfaces shall be uniform and pleasing apperance.
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.
6. Stenciling for all units need to be arranged at site.

P. Giridhar