

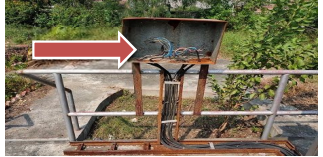




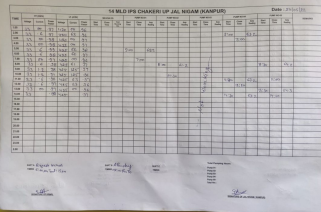







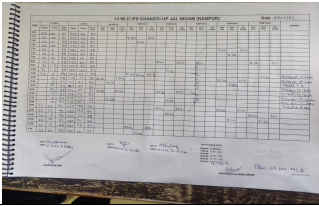


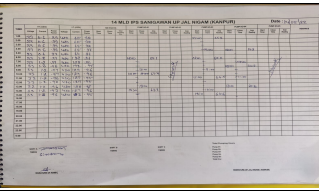

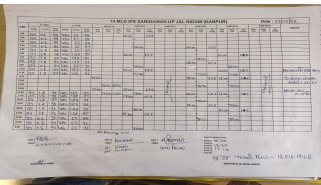






SITE INSPECTION REPORT FOR 14 MLD IPS Chakeri & 14 MLD IPS Sanigawan_ Sajari IPS					SAJARI all IPS		Date: 24/05/2022	INSPECTED BY: UPJN Team: 1) Mr. Md. Maaz (PM, E&M) 2) Mr. Aashish Shyal (JE, E&M) STC Team: 1) Mr. Rohit Suman (Supp. Engr. Mech.) 2) Mr. Pankaj Rawat (Supp. Sup. Civil) KRML Team: 1) Mr. Ram Khilawan (Site Incharge)	
S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition photo	Corrective Action Required	Corrective Action Completed by KRML	Original Date of issue	Proposed Date to Resolve by KRML	Current Status of Compliance	
14 MLD IPS Chakeri									
1	Mechanical Coarse screen 1	Operational							
2	Mechanical Coarse screen 2	Operational				21.03.2022			
3	Mechanical Coarse Screen On site Panel	Operational. After around 3 months since 20.10.2021, indicators and glass was provided on 27.01.2022.							
4	Mechanical Screen Automation System	1) Automation system is not available. 2) Cable tray & MS structures rusted 3) Level transmitter was not available inside Collection tank.		1) Auto system is required to be installed and made functional 2) Cable tray & MS structures rusted, Painting required. 3) Level sensor inside collection tank must be installed.		Since handover dated 11-10-2019	Painting of cable tray and structure by 30/11/21	Long Pending	
5	Inlet Sluice Gate	Operational		1) Stem guide of sluice gate is not fixed properly. Rectify it. 2) Sluice Gate shutter should be fixed properly. 3) Stem of sluice gates are found in bend condition. Rectify it. 4) Accumulated Sludge in the inlet chamber must be removed at the earliest.		20-10-2021	30-11-2021	Long Pending	
6	Conveyor Belt Discharge Trolley	Operational. After around 1 yr and 7 months since 13.07.2020, trolley for shifting screenings is now provided. 1) Canopy on Motor is not available.		Conopy must be provided at earliest.		26.02.2022		Pending	
7	Manual Screen	Operational		Remove the sludge deposited around manual screen		20-10-2021		Long Pending	
8	Sluice Gate								
9	Pumps no. 1	Operational After around 5 months of non-operational since Aug. 2021, pump no.1 has been made operational on 09.01.2022 1) Leakage has been observed from DI Pipe line.		Leakage must be rectified at the earliest.		24.05.2022			
10	Pumps no. 2	Operational After around 4 months since 20.10.2021, starter system is now functional. 1) Leakage has been observed from DI Pipe line.		Leakage must be rectified at the earliest.		24.05.2022			
11	Pumps no. 3	Non Operational 1) Starter system not working.		1) Must be rectified at the earliest. 2) On site starter system not working. Repair at the earliest.		20.10.2021	15.12.2021	Long Pending	
12	Pumps no. 4	Operational but starter system not working 1) Leakage has been observed from DI Pipe line.		1. Starter system to be rectified immediately. 2. Leakage must be rectified at the earliest.		20-10-2021 24.05.2022		Pending	

13	Pumps no. 5	Operational						
14	Pump Operation			As an average of 5 MLD flow (which is 35 % of the average design flow) is coming, therefore atleast 1 to 2 nos. of pumps are to be operated during peak flow & atleast 1 no. pump to be operated during non peak flow on regular basis in rotational way to tackle the problem of backflow/ reverse flow. In case the flow increase more than 5 MLD, more pumps needed to be operated.				
15	Pump On Site Starter Panel	1) 2 out of 5, starter panel were non functional. 2) Cable dressing is not proper.		1) Starter system to be repaired at the earliest. 2) Cable dressing needs to be done.	20-10-2021	30-11-2021		Long Pending
16	Pressure Gauges	Operational After around 2.5 years since 11.10.2019, Pressure Gauges is now functional but showing different pressure readings for same capacity pumps.		Calibration certificate needs to be submitted at the earliest.	27.04.2022 Since handover dated 11-10-2019			Long Pending
17	Manually Operated Crane	Operational		Lubrication needs to be done on regular basis				
18	Electro-Magnetic Flow Meter	Non Operational		1) Need to be repaired/ replace at earliest. 2) Calibration certificated to be submitted at earliest.	13-07-2020			Long Pending
19	LT Panel	Voltmeter, Indicators & ammeters are not working		Need to be replaced	20-10-2021	15-12-2021		Long Pending
20	Outdoor lights	Non operational. STC team found that out of 9 nos. of outdoor light provided for lighting of the campus, 5 nos. are not available and none of the lights were functional.		Need to install all lights.	20-10-2021	31-12-2021		Long Pending
21	Indoor lighting	Some of Indoor lights are not working.		Need to be replaced.	24.05.2022			
22	DG Set	Operational. After 17 months of non-operational since 13.07.2020, it is now made operational. 1) Doors damaged and the inner parts of the acoustic hood was found totally damaged. 2) Earthing of DG was not found during the inspection.		1) Damaged gates and the inner acoustic hood must be fixed/ replaced. 2) Earthing of DG must be provided. 3) Exhaust pipe must be fixed to the height above than the height of nearest building	14.12.2021			Long Pending
23	Transformer							
24	Miscellaneous							
a)	Water logging							
b)	Painting	Checker plate of MS structure is not painted properly yet.		Need to be painted properly.	13.07.2020	15-12-2021		Long Pending

c)	Log Book / Register			All Log books / registers (i.e. Operation log book of each equipment / process units, DG log book, collection sump level transmitter log book, maintenance register, In/out material register, first aid register, attendance register, visit register etc) must be maintained daily, properly and should be available at site all the time.		20-10-2021		
d)	Fire Extinguisher	Operational						
e)	Safety			Workers should have to be in proper PPEs				
f)	House keeping			House keeping work must be done on regular basis		24.05.2022		
g)	Manpower	STC team found that 1) No security Guard was available. Pump operators are not technical qualified & have no relevant experience.		1) Deploy sufficient nos. of security guard, helper, housekeeping labour etc for day to day work. 2) Deploy sufficient & technical qualified nos. of operator.		20-10-2021		Long Pending
h)	Sump collection tank	Various seepage were found inside sump collection tank		Must be restored at the earliest		18.11.2021		Long Pending
i)	Materials / Instruments	It has been observed that the multimeter was not available at site but still KRMPL is mentioning the amper reading in log books. The information is false and misleading.		Multimeter etc necessary materials/ instruments needs to be made available at site.		27.04.2022		
j)	Numbering Equipments	Numbering needs to be done properly.		Each equipments of every units must be numbered / marked (like 1st, 2nd etc) in bold letters so that it could be seen easily.		14.12.2021		Pending.
14 MLD IPS Sanigawan								
1	Mechanical Coarse screen 1	Operational						
2	Mechanical Coarse screen 2	Operational Made operational on 20.05.2022				24.05.2022		
3	Mechanical Screen Automation System	1) Automation system is not available. 2) Level transmitter was not available inside Collection tank.		1) Auto system is required to be installed and made functional. 3) Level sensor inside collection tank must be installed.		Since handover dated 11-10-2019	Auto system 28/02/22	Long Pending
4	Belt Conveyor	Operational Canopy not available.		Canopy must be provided at earliest.		31.03.2022		Pending
5	Mechanical Coarse Screen On site Panel	Some of the indicators which were not working is finally rectified on 18.02.2022						
6	Belt Conveyor trolley	Operational (Provided) After around 1 yr and 7 months since 13.07.2020, trolley for shifting screenings is now provided.						
7	Reverse flow			At an average of 12.8 MLD flow (which is 91 % of the average design flow) is coming, therefore all 4 nos. of pumps has to be operated during peak flow & atleast 2 nos. pumps to be operated during non peak flow on regular basis in rotational way to tackle the problem of backflow/ reverse flow.		14.12.2021		
8	Pump no. 1	Operational						
9	Pump no. 2	Non-Operational		Needs to be rectified at the earliest.		26.04.2022		
10	Pump no. 3	Operational Leakage found from DI pipe line from Submersible pump to common header.		Leakage needs to be rectified at the earliest.		27.04.2022		Long Pending
11	Pump no. 4	Operational 1) After around 1 month of non-operational since 30.03.2022, it was made operational on 26.04.2022. 2) On-Site starter panel not working		Starter must be rectified at the earliest.		20.01.2022		Long Pending
12	Pump no. 5	Non-Operational On site starter not working.		1) Needs to be rectified at the earliest. 2) Starter must be rectified at the earliest.		20.01.2022 14.12.2021		Pending

13	Pressure Gauges	4 out of 5 pressure gauges are not functional.		Need to be replaced and calibration report needs to be submitted.		20-10-2021	30-11-2021	Long Pending
14	Gate Valve							
15	Electro-Magnetic Flow Meter	Operational When UPJN & PE visited the site on 24.05.2022, heavy fluctuation and also negative results have been observed at site.		Needs to be rectified at the earliest.		13.07.2020		Long Pending
16	DG Set	Operational. D/G was made operational on 08.01.2022.		Exhaust pipe must be fixed to the height above than the height of nearest building		01.08.2021	Exhaust pipe height raising by 31/12/21	Long Pending
17	HT Panel	Operational Ammeter is not working		Replace it at earliest.		20-10-2021	30-11-2021	Long Pending
		Non Operational HT Panel Outgoing no. 1 is not working		Repair it at earliest		20-10-2021	10.02.2022	Long Pending
18	LT Panel	Operational Ammeter is not working.		Replace it at earliest.		20-10-2021	30-11-2021	Long Pending
19	Transformer	Operational						
20	Switch board							
21	Outdoor lights	Non Operational. STC team found that non of the outdoor lights were functional.		Need to replace all lights at earliest		20-10-2021	30-11-2021	Long Pending
				Some of the outdoor lights are missing. Need to be fixed at earliest		20-10-2021	31-12-2021	Long Pending
22	Indoor lighting	Some of the indoor lights were replaced and some indoor lights still not working which needs to be replaced.		Indoor lights needs to be replaced.		20.10.2021		Long Pending
23	Bore well pump	Temporary arrangement of bore well pump is provided at site on 05.01.2022.		1) Install Permanent pump of desired specs. as was available previously at the earliest. 2) Also it should be connected to the existing piping system		Since Aug. 2021 approx. (as per operator)		Long Pending
24	Miscellaneous							
a)	Fire Safety							

b)	Log Book / Register			All Log books / registers (i.e. Operation log book of each equipment / process units, DG log book, collection sump level transmitter log book, maintenance register, In/out material register, first aid register, attendance register, visit register etc) must be maintained daily and should be available at site all the time.		20-10-2021		
c)	Rubber Matt							
d)	Checker Plate	Checker plate missing.		Provide checker plate at earliest.	13-07-2020	30-11-2021	Pending	
e)	Cable Trench							
f)	Dewatering							
g)	Painting	Various MS structures, Checker plates & Gates were found rusted. Some of the items were painted but not properly which needs to be painted properly.		Painting must be done on checker plates and MS structure properly as per standard procedure at the earliest.	20-10-2021	15-12-2021	Long Pending	
h)	House keeping			House keeping work must be done on regular basis.				
i)	Main Meter							
j)	Numbering Equipments	Numbering needs to be done properly.		Each equipments of every units must be numbered/ marked (like 1st, 2nd etc) in bold letters so that it could be seen easily.	14.12.2021		Pending	
k)	Manpower	STC team found that 1) No security Guard was available. 2) No helper was found available. 3) Pump operators are not technical qualified & have no relevant experience.		1) Deploy sufficient nos. of security guard, helper etc for day to day work. 2) Deploy sufficient & technical qualified nos. of operator.	20-10-2021		Pending	
	Sludge Disposal Site at Sanigawan	When UPJN & PE visited sludge dumping site, negligible sludge was found at site which means instead of dumping sludge at designated site, KRMLPL is keeping/dumping sludge inside the plant. Apart from this, still UPPCB norms are not been followed by KRMLPL at sludge dumping sites.		1) Sludge needs to be dumped at the designated site on regular basis instead of dumping at plant. 2) UPPCB norms needs to be followed at the sludge dumping locations.		24.05.2022		

P. G. G. G.