

SITE INSPECTION REPORT FOR 14 MLD IPS Chakeri & 14 MLD IPS Sanigawan_ Sajari IPS					SAJARI all IPS		Date: 24/11/2022	INSPECTED BY: UPJN Team: Mr. Ajit Singh (J.E. Civi) STC Team: Mr. Ajay Kumar Goyal (Support Engg. Mech), Ms. Divya Mittal (Support Site Supervisor) KRMPL Team: Mr. U.N. Tiwari (Electrical Engg.)	
S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition photo	Corrective Action Required	Corrective Action Completed by KRMPL	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance	
14 MLD IPS Chakeri									
1	Mechanical Coarse screen 1	Non-Operational This screen was found non-operational during UPJN & PE site visit. Also, chain was observed to be broken.		Needs to be rectified at the earliest.		28-07-2022			
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 New Date 31.08.2022		Long Pending
5	Inlet Sluice Gate	Operational Silt present in the inlet pump is not removed since an year.		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 False information is indicated in KRMPL letter no.O&M 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE.
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	31.07.2022		Pending
7	Manual Screen	Operational		Remove the sludge deposited around manual screen		20.10.2021			Long Pending False information is indicated in KRMPL letter no.O&M 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE.
8	Sluice Gate								
9	Pumps no. 1	Non 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	31.08.2022		Pending
10	Pumps no. 2	Non 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	31.08.2022		Pending
11	Pumps no. 3	Non Operational 1) Starter system not working. 2) Leakage has been observed from DI Pipe Line. 3) Non operational due to gaskit issue.		1) Must be rectified at the earliest. 2) On site starter system not working. Repair at the earliest.		20.10.2021	15.12.2021 15.08.2022		Long Pending
12	Pumps no. 4	Non Operational 1) Leakage has been observed from DI Pipe line. 2) Non Operational due to gaskit issue.		Leakage must be rectified at the earliest.		20-10-2021 24.05.2022	31.08.2022		Pending
13	Pumps no. 5	Operational 1) Leakage has been observed from DI Pipe line.		Leakage must be rectified at the earliest.		29.07.2022			

14	Pump Operation			Required nos. of pumps need to be operated on regular basis to tackle the problem of reverse flow and free fall needs to be maintained every time.				
15	DI Header line from Pumps	It has been continuously observed that there is leakage from DI pipes coming out of the pumps and the leakages have not been rectified yet. In the recent visit on 24.11.2022, leakage from all 5 DI pipe line coming from pumps, was observed. Also large cracks are clearly visible.		Leakage from the DI pipe lines must be rectified at the earliest without any delay.		24.05.2022		Pending
16	Pump On Site Starter Panel	1) All 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	11/30/2021 New Date 31.08.2022	Long Pending
17	Pressure Gauges	Status not known since pumps were not working during the visit. 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	New Date 10.07.2022	Long Pending
18	Manually Operated Crane	Operational		Lubrication needs to be done on regular basis				
19	Electro- Magnetic Flow Meter	Non Operational since handover		1) Need to be repaired/ replace at earliest. 2) Calibration certificated to be submitted at earliest.		13.07.2020	31.08.2022	Long Pending
20	LT Panel	After around 9 months since 20.10.2021, Voltmeter, Indicators & ammeters are replaced on 19.07.2022.						
21	Outdoor lights	Operational. Outdoor Lights which were not working since long back before 20.10.2021, are finally rectified on 20.06.2022						
22	Indoor lighting	Some of Indoor lights are not working.		Need to be replaced.		24.05.2022		
23	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.		1) Damaged gates and the inner acoustic hood must be fixed/ replaced. 2) Exhaust pipe must be fixed to the height above than the height of nearest building		14.12.2021	31.07.2022	Long Pending
24	Transformer							
25	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 False information is indicated in KRMPL letter no.O&M 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE.
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.				
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. 2) Only one helper was found available instead of 3 for 3 shift. 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		Long Pending False information is indicated in KRMPPL letter no.O&M 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE.
h)	Sump collection tank	Various seepage were found inside sump collection tank		Must be restored at the earliest	18.11.2021	31.07.2022	Long Pending
i)	Materials / Instruments	It has been observed that the multimeter was not available at site but still KRMPPL is mentioning the ampear 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		False information is indicated in KRMPPL letter no.O&M 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE.
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 False information is indicated in KRMPPL letter no.O&M 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE.
14 MLD IPS Sanigawan							
1	Mechanical Coarse screen 1	Operational Rake teeth was found not properly alligned and uneven gap was found between rake teeth and plate/ screen bar.		Rake must be alligned properly at the earliest.		29.07.2022	
2	Mechanical Coarse screen 2	Operational				29.09.2022	
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 New Date 31.08.2022	Long Pending
4	Belt Conveyor	Operational Canopy not available.		Canopy must be provided at earliest.	31.03.2022	31.07.2022	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	Reverse flow was observed and no free fall was found inside collection tank. In almost every inspection carried by UPJN & PE, no free fall was being observed.		Required nos. of pumps need to be operated on regular basis to tackle the problem of reverse flow and free fall needs to be maintained every time.	14.12.2021		
8	Pump no. 1	Operational 1) Leakage has been observed from DI Pipe line.		1)Leakage needs to be rectified at the earliest. 2)Needs to be rectified at the earliest.	24.06.2022 26.07.2022 30.09.2022		
9	Pump no. 2	Operational 1) After around 2 month of non-operational since 26.04.2022, it was made operational on 20.06.2022. 2) Leakage has been observed from DI Pipe line.		Leakage needs to be rectified at the earliest.	24-06-2022 30.09.2022		
10	Pump no. 3	Non Operational since 7.11.2022 Leakage found from DI pipe line from Submersible pump to common header.		Needs to be rectified at the earliest.	27.04.2022	31.08.2022	Long Pending
11	Pump no. 4	Operational After around 1 month of non-operational since 30.03.2022, it was made operational on 26.04.2022.					
12	Pump no. 5	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	31.0.2022	Pending
13	Pressure Gauges	3 out of 5 pressure gauges are not showing any readings & are non-functional.		Need to be replaced and calibration report needs to be submitted.	20.10.2021	11/30/2021 New Date 10.07.2022	Long Pending

14	Gate Valve							
15	Electro- Magnetic Flow Meter	Non-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. DG 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 New Date 31.07.2022	Long Pending
17	HT Panel	Operational				20.10.2021	11/30/2021 New date 30.07.2022	Long Pending
		Operational HT Panel for Transformer no. 1 is not working		Repair it at earliest		20.10.2021	10.02.2022 New date 31.08.2022	Long Pending
18	LT Panel	Operational Some of the Ammeter which were not working is finally rectified on 18.06.2022				24.06.2022		
19	Transformer	Operational						
20	Switch board							
21	Outdoor lights	Operational. Outdoor Lights which were not working since long back before 20.10.2021, are finally rectified on 20.06.2022				24.06.2022		
						20.06.2022	24.06.2022	
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		Pending False information is indicated in KRMPIL letter no.O&M 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE.
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 False information is indicated in KRMPIL letter no.O&M 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE.
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.				
c)	Rubber Matt							

d)	Checker Plate	Checker plate missing.		Provide checker plate at earliest.	13.07.2020	11/30/2021 New date 31.07.2022	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 False information is indicated in KRMLPL letter no.O&M 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE.
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 False information is indicated in KRMLPL letter no.O&M 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE.
k)	Manpower	STC team found that 1) No security Guard was available. 2) No Sweeper was available. 3) Only one helper was found available instead of 3 for 3 shift. 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 False information is indicated in KRMLPL letter no.O&M 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE.
	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		False information is indicated in KRMLPL letter no.O&M 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE.

P. G. S. S. S.