

SITE INSPECTION REPORT FOR 14 MLD IPS Chakeri & 14 MLD IPS Sanigawan_ Sajari IPS					SAJARI all IPS		Date: 31/03/2022	INSPECTED BY: STC Team: 1) Mr. Satish Kamiraju (Process Expert) 2) Mr. Rohit Suman (Supp. Engr. Mech.) 3) Mr. Pankaj Rawat (Supp. Sup. Civil) KRMPPL Team: Mr. Ram Khilawan (Site Incharge)	
S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition photo	Corrective Action Required	Corrective Action Completed by KRMPPL	Original Date of Issue	Proposed Date to Resolve by KRMPPL	Current Status of Compliance	
14 MLD IPS Chakeri									
1	Mechanical Coarse screen 1	Operational							
2	Mechanical Coarse screen 2	Non-Operational		Must be rectified at the earliest.		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			
7	Manual Screen	Operational		Remove the sludge deposited around manual screen		20-10-2021		Long Pending	
8	Sluice Gate	Operational							
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							
10	Pumps no. 2	Operational After around 4 months since 20.10.2021, starter system is now functional.							
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		Starter system to be rectified immediately.		20-10-2021		Pending	
13	Pumps no. 5	Operational							

14	Pump Operation			At 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.		14.12.2021		
15	Pump On Site Starter Panel	1) 2 out of 5, starter panel were non functional. Upon starting the pumps from LT panel room, the site person doesn't getting any idea whether the pumps have started or not as all the pressure gauges are not working and some of them are not available. 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	4 out of 5 pressure gauges are not functional.		Need to be replaced.		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	Ammeter 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	Indoor lights are finally replaced on 24.03.2022.						
22	DG Set	Operational. After 17 months of non-operational since 13.07.2020, it is now made operational. Operator is not knowing the date on which the DG set is made operational. Also no maintenance register was found on site. 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.		14.12.2021		Long Pending
23	Transformer							
24	Miscellaneous							
a)	Water logging							
b)	Painting	Checker plate of MS structure are badly rusted.		Need to be painted.		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 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				
g)	Manpower	STC team found that 1) No security Guard was available. 2) No helper/ Sweeper was available. 3) Pump operators are not technical qualified & have no relevant experience.		1) Deploy sufficient nos. of security guard, sweeper, helper 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)	Numbering Equipments			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						
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 and Chain cover not available.		Canopy and Chain cover must be provided at earliest.	31.03.2022			
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.			26.02.2022			
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	Operational						
10	Pump no. 3	Operational						
11	Pump no. 4	1) After around 2 months of non-operational since 20.10.2021, it was made operational on 21.12.2021. Again on 30.03.2022 pump became non operational. 2) On-Site starter panel not working		1) Needs to be rectified at the earliest. 2) Starter must be rectified at the earliest.	30.03.2022 20.01.2022			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	20-10-2021	30-11-2021		Long Pending
14	Gate Valve							
15	Electro-Magnetic Flow Meter	Operational Calibration required.		Get the calibration done & submit the calibration certificate at 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	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 replaces 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			Dewatering required on urgent basis	20-10-2021		Pending
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			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 labour/ sweeper was found available. 4) Pump operators are not technical qualified & have no relevant experience. Reverse flow was also observed.		1) Deploy sufficient nos. of security guard, sweeper, helper etc for day to day work. 2) Deploy sufficient & technical qualified nos. of operator.	20-10-2021		Pending

P. Gaudhian