


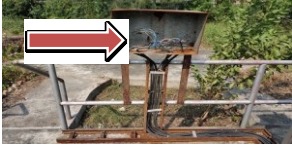
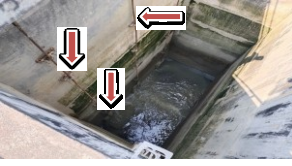





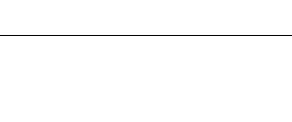











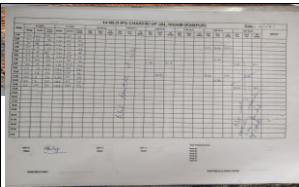













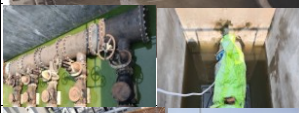






SITE INSPECTION REPORT FOR 14 MLD IPS Chakeri & 14 MLD IPS Sanigawan_ Sajari IPS					SAJARI all IPS		Date: 18/11/2021
S. N o.	Equipment	Assessment of Current Condition	Assessment of Current Condition photo	Corrective Action Required	Corrective Action Completed by KRMPL	Original Date of Issue	Proposed Date to Resolve by KRMPL
14 MLD IPS Chakeri							
1	Mechanical Coarse screen 1	Operational 1) Sludge was found accumulated beside the screen 2) Various teeth of rake were found damaged		1) Accumulated sludge must be cleaned at the earliest. 2) Replace the rake teeth		18.11.2021	
2	Mechanical Coarse screen 2	Operational Sludge was found accumulated beside the screen		Accumulated sludge must be cleaned at the earliest.		18.11.2021	
3	Mechanical Coarse Screen On site Panel	Operational. Door glass not available and some of the indicator light not working.		1) Fix the door glass and rectify indicator lights. 2) Panel painting required.		20-10-2021	door glass fix 20/11/21 panel painting 30/11/21
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
5	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.		20-10-2021	30-11-2021
6	Conveyor Belt Discharge Trolley	Operational. At the time of site visit, we found that no trolley for shifting debris was found at site.		Trolley must be provided for shifting debris		13-07-2020	
7	Manual Screen	Operational		Remove the sludge deposited around manual screen		20-10-2021	
8	Sluice Gate	Stem guide of sluice gate fixed before collection tank sump is found hanging and unfixed.		Stem guide of sluice gate is not fixed properly. Rectify it.		18.11.2021	
9	Pumps no. 1	Non Operational and not available at site		Install the pump at the earliest		Since Aug. 2021	30-11-2021
10	Pumps no. 2	Operational but starter system not working		Starter system to be rectified immediately.		20-10-2021	30-11-2021
11	Pumps no. 3	Operational 1) Starter system not working. 2) Pump no. 3 was being operated by LT panel feeder no. 5		1) On site starter system not working. Repair at earliest. 2) LT panel feeder must be rectified.		Since handover dated 11-10-2019	15-12-2021

12	Pumps no. 4	Operational but starter system not working		Starter system to be rectified immediately.		20-10-2021	
13	Pumps no. 5	Non Operational Tripping		Must be rectified at the earliest.		20-10-2021	30-11-2021
14	Pump On Site Starter Panel	Most of the 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) Also Pump no. 3 was being operated by pump no. 5 starter & pump no. 5 LT panel feeder. 3) Cable dressing is not proper.		1) Starter system to be repaired at the earliest. 2) Pumps should be operated with their respective LT panel feeders 3) Cable dressing needs to be done.		20-10-2021	30-11-2021
15	Pressure Gauges	None of the pressure gauges of 5 pumps are functional and those of pump No.1 & 5 are not available at site.		Need to be replaced.		Since handover dated 11-10-2019	
16	Manually Operated Crane	Operational		Overhauling required		20-10-2021	
17	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	
18	LT Panel	Ammeter not working		Need to be replaced		20-10-2021	15-12-2021
				Indicator light cover need to be replaced		20-10-2021	30-11-2021
19	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
20	Indoor lighting	Some of the indoor lights not working		Need to be replaced		20-10-2021	30-11-2021
21	DG Set	Non operational Doors damaged and lying ideal		1) Must be repaired at the earliest. 2) A separate DG log book is to be maintained.		13-07-2020	30-11-2021
22	Transformer	Transformer marshalling box rusted		Need to be painted		18.11.2021	
23	Miscellaneous						
a)	Water logging	STC team found that the common header line along with electro-magnetic flow meter were submerged with water.		Dewatering needs to be done at earliest		20-10-2021	
b)	Painting	Checker plate of MS structure are badly rusted.		Need to be painted.		13-07-2020	15-12-2021

c)	Pump Log Book	<p>1) STC team found that the log book was not maintained properly. Pump no. 3 data was being written in pump no. 5.</p> <p>2) Operated was operating without considering peak hours & non peak hours.</p> <p>3) Also at night, it was found that the pumps were not being operated.</p> <p>4) Mentioned flow was found wrong and misleading</p>		<p>1) Log book must be maintained properly and should be available at site.</p> <p>2) Operators has to sign in the log book on daily basis.</p> <p>3) No helper, gardner available at site, deploy at earliest.</p> <p>4) Operated the pumps regularly.</p> <p>5) Mentioned correct flow.</p>		20-10-2021	
d)	Log Books	<p>1) Various log books/ Register were not available at site</p> <p>2) STC team asked to show log books of all equipments but the operator said that log books are available at 42 MLD Sajari STP instead of this IPS site. Also the attendance, was not their at site.</p>		Log Books must be maintained daily and should be available at site all time.		20-10-2021	
e)	Fire Extinguisher	Operational					
f)	Safety	Workers should have to be in proper PPEs					
g)	House keeping	STC team found that none of the labour/ helper were present for house keeping work and by seeing the condition, it can be said that KRMPL is not doing house keeping works		House keeping work must be done on regular basis		13-07-2020	
h)	Manpower	<p>STC team found that</p> <p>1) No security Guard was available.</p> <p>2) No helper was available.</p> <p>3) Pump operators are not technical qualified & have no relevant experience.</p>		<p>1) Deploy sufficient nos. of security guard, sweeper, helper etc for day to day work as per approved O&M manual.</p> <p>2) Deploy sufficient & technical qualified nos. of operator as per approved O&M manual</p>		20-10-2021	
i)	Sump collection tank	Various seepage were found inside sump collection tank		Must be restored at th earliest		18.11.2021	
j)	DI Common header	Leakage was found near DI common header area.		Must be rectified at the earliest.		18.11.2021	
14 MLD IPS Sanigawan							
1	Mechanical Coarse screen 1	Operational					
2	Mechanical Coarse screen 2	<p>Non Operational</p> <p>1) Tripping from the panel starter.</p> <p>2) Various teeth of Screen rake were found damaged.</p> <p>STC found that the casing cover of gear arrangement of Mechanical Screen was not fixed at their place and the cover was lying on the floor filled with rain water.</p>		<p>1) Do the rectification work at the earliest</p> <p>2) Replace the rake teeth</p> <p>Motor cover must be fixed at earliest</p>		<p>20-10-2021</p> <p>15-12-2021</p>	

3	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	Auto system 28/02/22 cable tray painting 15/12/21
4	Belt Conveyor	Operational					
5	Mechanical Coarse Screen On site Panel	Non Operational Door glass not available and some of the indicator light not working.		1) Fix the door glass and rectify indicator lights. 2) Panel stand painting required.		20-10-2021	Glass fixing 15/11/21 Painting 30/11/21
6	Belt Conveyor trolley	STC team found huge piles of debris accumulated near belt conveyor discharge point which means KRMPL is not removing the debris on regular basis. Also no trolley for shifting debris was found at site.		1) Provide trolley. 2) Remove the debris/disposal materials regularly.		13-07-2020	30-11-2021
7	Pump no. 1	Non Operational. Starter panel not working		Must be overhauled at earliest		18.11.2021	
8	Pump no. 2	Non Operational		Must be overhauled at earliest		20-10-2021	30-11-2021
9	Pump no. 3	Operational.					
10	Pump no. 4	Non Operational		Must be overhauled at earliest		20-10-2021	15-12-2021
11	Pump no. 5	Operational					
12	Pressure Gauges	Operational STC team found that all pressure gauges not working properly and some of the pressure gauges are showing pressure in pump stop conditions		Need to be replaced		20-10-2021	30-11-2021
13	Gate Valve	Operational 2 nos. pressure gauges leaking		Do overhauling at earliest.		20-10-2021	
14	Electro-Magnetic Flow Meter	Operational Calibration required.		Get the calibration done & submit the calibration certificate at earliest		13-07-2020	
15	DG Set	Operational. The condition of DG was very bad. Some of the gates are lying on the floor and some are totally rusted and damaged.		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
				Need to be repair/replace at earliest.		13-07-2020	
16	HT Panel	Operational Ammeter is not working		Replace it at earliest.		20-10-2021	30-11-2021
		Non Operational HT Panel Outgoing no. 1 is not working		Repair it at earliest		20-10-2021	
17	LT Panel	Operational 1) Ammeter is not working. 2) Light DB feeder not working		Replace it at earliest.		20-10-2021	30-11-2021

18	Transformer	Operational		Transformer breather silica gel has to be replaced at earliest		20-10-2021	30-11-2021
19	Switch board						
20	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
				Some of the outdoor lights are missing. Need to be fixed at earliest		20-10-2021	31-12-2021
21	Indoor lighting	Many of the indoor lights were non functional.		Need to be replaced at earliest		20-10-2021	30-11-2021
22	Miscellaneous						
a)	Fire Safety	Only 2 buckets out of 4 nos., are available at site		1) Need to fix all 4 buckets and fill it properly		13-07-2020	
b)	Log Books	STC team asked to show log books of all equipments but the operator said that log books are available at 42 MLD Sajari STP instead of this IPS site. Also the attendance, entry & exit registers were not their at site.		1) Maintain the log books and keep it at site every time. 2) Separate DG running hours log book should be maintained		20-10-2021	
c)	Rubber Matt						
d)	Checker Plate	Checker plate missing.		Provide checker plate at earliest.		13-07-2020	30-11-2021
e)	Cable Trench	Cable trench was found filled with water.		Dewatering of the cable trench is required on urgent basis.		20-10-2021	
f)	Dewatering			Dewatering required on urgent basis		20-10-2021	
g)	Painting	Various MS structures, Checker plates & Gates were found rusted		Painting must be done on checker plates and MS structure at earliest,		20-10-2021	15-12-2021
				Painting need to be done.		20-10-2021	15-12-2021
h)	House keeping	STC team found that none of the labour/ helper were present for		It should be done on regular basis.		13-07-2020	
i)	Main Meter						
j)	Manpower	STC team found that 1) No security Guard was available. 2) No sweeper was available. 3) Only 2 operators instead of 3, were deployed for 3 shifts. 4) 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 as per approved O&M manual. 2) Deploy sufficient & technical qualified nos. of operator as per approved O&M manual		20-10-2021	

INSPECTED BY: STC Team: 1) Mr. Rohit Suman (Supp. Engr. Mech.) 2) Mr. Rahul (Supp. Engr. Elec.) 3) Mr. Pankaj Rawat (Supp. Supervisor)
Current Status of Compliance
Indicator lights not rectified yet as indicated in KRMPL Letter no. 1894 dated 09.11.2021 for compliance to inspection carried on 20.10.2021 by PE.
Long Pending
Pending
Pending
Pending. Not done yet as indicated in KRMPL Letter no. 1894 dated 09.11.2021 for compliance to inspection carried on 20.10.2021 by PE.
Pending
Pending
Pending

<p>Pending</p> <p>Not rectified yet as indicated in KRMPL Letter no. 1894 dated 09.11.2021 for compliance to inspection carried on 20.10.2021 by PE.</p>
Pending
Pending
<p>Pending</p> <p>Not complied yet as indicated in KRMPL Letter no. 1894 dated 09.11.2021 for compliance to inspection carried on 20.10.2021 by PE.</p>
<p>Pending</p> <p>Not complied yet as indicated in KRMPL Letter no. 1894 dated 09.11.2021 for compliance to inspection carried on 20.10.2021 by PE.</p>
<p>Pending.</p> <p>Not complied yet as indicated in KRMPL Letter no. 1894 dated 09.11.2021 for compliance to inspection carried on 20.10.2021 by PE.</p>
Pending
Pending
Pending
Pending
Pending
<p>Pending</p> <p>Not done yet as indicated in KRMPL Letter no. 1894 dated 09.11.2021 for compliance to inspection carried on 20.10.2021 by PE.</p>
Pending

<p>Pending</p> <p>Log books are not maintained properly. No labour for house keeping work was available at site as indicated in KRMPL Letter no. 1894 dated 09.11.2021 for compliance to inspection carried on 20.10.2021 by PE.</p>
<p>Pending</p> <p>Log books are not maintained properly. Various log books/ register not available at site as indicated in KRMPL Letter no. 1894 dated 09.11.2021 for compliance to inspection carried on 20.10.2021 by PE.</p>
<p>Pending.</p> <p>Not doing house keeping works. No labour was found available for house keeping work as indicated in KRMPL Letter no. 1894 dated 09.11.2021 for compliance to inspection carried on 20.10.2021 by PE.</p>
<p>Pending.</p> <p>No security guard, no helper were present at site. Operator was not technically qualified (High school pass) as indicated in KRMPL Letter no. 1894 dated 09.11.2021 for compliance to inspection carried on 20.10.2021 by PE.</p>
<p>Pending</p>
<p>Pending</p> <p>Not done yet as indicated in KRMPL Letter no. 1894 dated 09.11.2021 for compliance to inspection carried on 20.10.2021 by PE.</p>

Long Pending
<p>Pending</p> <p>Door glass not fixed yet. Indicators lights also not replaced yet as indicated in KRMPL Letter no. 1894 dated 09.11.2021 for compliance to inspection carried on 20.10.2021 by PE.</p>
<p>Pending</p> <p>Not done yet as indicated in KRMPL Letter no. 1894 dated 09.11.2021 for compliance to inspection carried on 20.10.2021 by PE.</p>
<p>Operator is not technically qualified and doesn't know the plant operation as indicated in KRMPL Letter no. 1894 dated 09.11.2021 for compliance to inspection carried on 20.10.2021 by PE.</p>
Pending
Pending
<p>Not rectified yet as indicated in KRMPL Letter no. 1894 dated 09.11.2021 for compliance to inspection carried on 20.10.2021 by PE.</p>
Pending
Pending
Pending
<p>Not rectified yet as indicated in KRMPL Letter no. 1894 dated 09.11.2021 for compliance to inspection carried on 20.10.2021 by PE.</p>

Pending
Pending
Pending
Pending
Not rectified yet as indicated in KRMPL Letter no. 1894 dated 09.11.2021 for compliance to inspection carried on 20.10.2021 by PE.
Pending
Not rectified yet as indicated in KRMPL Letter no. 1894 dated 09.11.2021 for compliance to inspection carried on 20.10.2021 by PE.
Not rectified yet as indicated in KRMPL Letter no. 1894 dated 09.11.2021 for compliance to inspection carried on 20.10.2021 by PE.
Pending
Pending
Pending
Pending
Pending