












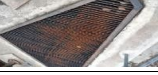











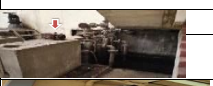























SITE INSPECTION REPORT FOR 100 MLD IPS Rakhimandi , 67 MLD IPS Munshipuram, 20 MLD IPS Halwakanda BINGAWAN					BINGAWAN All IPS		Date: 10.02.2023	INSPECTED BY: STC Team: Mr. Ajay Kumar Goyal (Support Mechanical)
S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition photo	Corrective Action Required	Corrective Action Completed by KRMPL	Original Date of Issue	Proposed Date to Resolve by KRMPL	Current Status of Compliance
100 MLD IPS Rakhimandi								
1	Mechanical Coarse screen	Non Operational.		a) Need to be Repair b) Cable dressing needs to be done. c) Screen panel door damaged, need to be repaired and painted.		Since Hand over, dated 08-07-2019	28.02.2022 for all New date a)31.07.2022 b)30.06.2022	Long Pending
2	Conveyor Belt	Not Available at site		Needs to be installed at the earliest		Since Hand over, dated 08-07-2019	31.03.2022 New date 31.07.2022	Long Pending
3	Manual Screen	Operational		a) Manual cleaning of disposal material has to be done on regular basis b) Screen area light not working, need to be repaired / replace.		18.10.2021		Pending
4	Sluice Gates	Operational		Lubrication required, Lubrication has to be done on regular basis for smooth operation.		18.10.2021		Pending
5	Manually Operated Crane	Operational		Need to do Lubrication work on regular basis				
6	Pumps no. 1 (Capacity 1800 m3/hr)	Operational Starter ammeter & voltmeter along with various indicators not working.		a) Temperature & Vibration checking (through vibration meter) required as per approved O&M manual. b) Starter no. 1 panel ammeter		18.10.2021	10.02.2022, New date b)30.06.2022 & New Date 30.09.2022	Pending
7	Pumps no. 2 (Capacity 3600 m3/hr)	Operational on 10.02.2023 2) Starter panel is not working and the pump was operated with the Non-Operational		a) Starter panel need to rectified at the earliest. b) Temperature & Vibration checking (through vibration meter) required as per approved O&M manual.		27.08.2022	New Date 30.09.2022	Pending
8	Pumps no. 3 Capacity 3600 M3/hr	Since 17.09.2022 1) Pump was working with heavy vibrations and also Non-Operational		1)Vibration & Temperature checking (as per approved O&M manual)	17.09.2022	27.10.2022	New date a) 15.09.2022	Pending
9	Pumps no. 4 Capacity 3600 M3/hr	Non Operational Starter ammeter & voltmeter along with various indicators not working.		a) Needs to be rectified at the earliest. b) Temperature & Vibration checking (through vibration meter) required as per approved O&M manual. c) Starter no. 4 panel ammeter and		25.12.2022	15.02.2022 New date a)30.06.2022 c)30.06.2022	Pending
10	Pumps no. 5 Capacity 1800 M3/hr	Non-Operational on 10.02.2023 Starter ammeter & voltmeter along with various indicators not working.		a) Needs to be rectified at the earliest. b) Temperature & Vibration checking (through vibration meter) required as per approved O&M manual.		28.12.2022		Pending
11	Pumps starter panel earthing	Earthing was not found on some of the starter panels.		Proper earthing needs to be done on all starter panel.		24.05.2022		
12	Pump Operation	When UPJN & PE visited the site on 25.08.2022, it was observed that no free fall was maintained.		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.		25.08.2022		
13	Dewatering Pump	Operational		Discharge pipe needs to be rectified at the earliest	27.09.2022	27.09.2022		Pending Temporary arrangement has been made. Original pumps and system not rectified yet.
14	Flow Meter	Non Operational		Needs to be rectified at the earliest		28.12.2021	28.02.2022 New date 31.08.2022	Long Pending
15	Collection sump Level transmitter	Non-Operational		Needs to be rectified at the earliest		28.12.2021	31.07.2022	Long Pending
16	DG 1250 KVA	Non-Operational for 7 months (i.e. since 21.04.2021) and rectified on		1) Needs to be rectified at the earliest. 2) DG set radiator must be rectified at the earliest. 3) Exhaust pipe has to be fixed to the height above than that of nearest	27.08.2022	30.06.2022 24-11-2021	28.02.2022 New date 2)31.08.2022	Long Pending 750KVA DG Set as a temporary arrangement has been made by KRMPL since 27.08.2022 .
17	Sub Station Yard	Operational Still yard fencing has not yet painted properly		a) Yard fencing need to be painted. b) CT junction box need to be painted.		18.10.2021	15.02.2022 for all New date b)31.05.2022	Pending
18	HT Panel Room	Operational 1) HT panel ammeter, voltmeter, indicators were found not working.		a) HT Panel incommer and outgoing ammeter, voltmeter, indicators & pf meter need to be replaced. b) Rubber matt need to be fixed properly in front of HT Panel.		18.10.2021	15.02.2022 28.02.2022 New date a)30.06.2022 c)20.05.2022	Pending

19	Transformer no. 1	Operational Still silica gel has not been replaced.		Transformer breather silica gel needs to be replaced.	18.10.2021	30.01.2022	Pending
20	Transformer no. 2	Operational Still silica gel has not been replaced.		Transformer breather silica gel needs to be replaced.	24.11.2021	30.01.2022	Pending
21	Miscellaneous						
a)	Pumps Log Book			1) All pumps needs to be operated on timely basis. 2) Non functional pumps have to be mentioned in the log book by the operator.	18.10.2021		
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	18.10.2021		Long Pending
d)	MS Structure			Painting need to be done.	18.10.2021	15.02.2022 New date 31.05.2022	Pending
e)	MPS Room Indoor & Outdoor lighting	Outdoor light pole were rusted and light poles were observed to be non-functional.		a) Indoor 5th no. tube light need to be replaced. b) 1 no. ceiling fan need to be repaired. c) Outdoor tube light 3 nos. need to be replaced.	18.10.2021	15.02.2022 New date A&C) 31.05.2022	Pending
f)	Painting	When PE team reached the site, it was found that painting work was not being done properly		Painting needs to be done (which has not been done yet) as per standard procedure.	26.02.2022		
g)	Fire Extinguisher & Sand buckets	Done					
h)	Manpower	No security guard was available at site		Deploy adequate number of O&M Staff.	26.02.2022 (since long back)		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.	31.03.2022		Pending
67 MLD IPS Munshipurva							
1	Sluice Gates Walkway	Huge cracks were found on the walk way and its not safe to even stand on it.		It needs to be restored at earliest	Since Hand over, dated 08-07-2019	31.03.2022 New date 31.07.2022	Long pending
2	Sluice Gate	Operational		1) Fix hand wheel on sluice gate no. 2. 2) Lubrication needs to be done.	18.10.2021	31.01.2022	Pending
3	Mechanical Coarse screen	Non Operational		a) It has to be overhauled at earliest. b) Cable dressing needs to be done. c) Screen panel voltmeter & ammeter need to be replaced.	Since Hand over, dated 08-07-2019	15.03.2022 for all New date a)31.08.2022 c)28.05.2022	Long pending
4	Manual Screen	Operational		Manual cleaning of disposal material has to be done on regular basis	18.10.2021		
5	Conveyor Belt	Non Operational and not avaiable at the site		a) Conveyor belt is not available at site. Needs to be installed at earliest. b) Screen area light need to be replaced.	Since Hand over, dated 08-07-2019	15.03.2022 15.02.2022 New date 31.08.2022	Long Pending
6	Collection Tank Walk Way	Huge cracks were found on the walk way and its not safe to even stand on it.		It needs to be restored at earliest	Since Hand over, dated 08-07-2019	31.03.2022 New Date 31.07.2022	Long Pending
7	Manual Screen RCC Staire Case	When UPJN & PE visited the site, it was found that MS structure over bottom slab has been fixed		It needs to be restored at earliest	18.10.2021	31.03.2022 New Date 30.07.2022	Pending
8	Pump no. 1	Operational		a) Temperature & Vibration checking required as per approved O&M manual b) ATS panel starter voltmeter and phase indicators need to be replaced.	18.10.2021	28.02.2022 New date b)30.06.2022	Pending Vibration needs to be checked through vibration meter.
9	Pump no. 2	Operational		a) Needs to be rectified. b) Temperature & Vibration checking required as per approved O&M manual c) ATS panel starter voltmeter and	23.09.2022		Pending

10	Pump no. 3	Non-Operational		a) Needs to be checked and fixed. b) Temperature & Vibration checking required as per approved O&M manual		a) 07.05.2022 18-10-2021
11	Pump no. 4	Operational		a) Needs to be checked and fixed. b) Temperature & Vibration checking required as per approved		24.09.2022
12	Pump no. 5	Non Operational		a) Overhauling needs to be done. Temperature & Vibration checking required as per approved O&M manual		25.08.2020
13	Pump no. 6	Non Operational		a) Overhauling needs to be done. Temperature & Vibration checking required as per approved O&M manual		25.08.2020
14	Pump Operation	When UPJN & PE visited the site on 25.08.2022, it was observed that no free fall was maintained.		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.		29.12.2021
15	Pumps Leakage	Leakages were found from the impeller of pumps		Needs to be rectified.		24.11.2021
16	Dewatering Pump no.1	Operational				
17	Dewatering Pump no.2	Non Operational		Needs to be repaired at the earliest.		24.11.2021
18	Flow Meter.	Non-Operational		Needs to be calibrated and provide the calibration certificate		18.10.2021
19	Manually Operated Crane	Operational		Overhauling & lubrication needs to be done		
20	Gate Valve	Operational		Lubrication should be done.		
21	DG Set	Operational 1) Exhaust need to be changed. DG is giving out lot of smoke. 2) When PE visited the site, DG was found operational but the date on which DG was made operational was not mentioned.		1) Exhaust pipe has to be fixed to the height above than that of nearest building. 2) DG set silencer needs to be		18.10.2021 27.04.2022 24.06.2022
22	Transformer no. 1	Non operational		Needs to be repaired and connected at the earliest.		14.08.2022
23	Transformer no. 2	operational Transformer arrived at site on 07.11.2021 but found ideal			23.08.2022	03-05-2021 as per operator's record
24	Sub Station Yard	Operational		a) Yard fencing need to be painted. b) CT structure need to be painted. c) CT junction box need to be		18.10.2021
25	HT Panel Room	Operational		a) HT Panel incommer and outgoing ammeter, voltemeter & pf meter need to be replaced. b) HT Panel door and heater need to be repaired. c) Rubber matt need to be fixed properly in front of HT Panel.		18.10.2021
26	Miscellaneous					
a)	Pump Log Book			Maintain log books properly.		
b)	Log Book / Register	Various log books and register like Visitor register etc were not found available at site. Apart from this, various register were not maintained properly.		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,		18.10.2021
c)	Hand Railing			Painting needs to be done.		18.10.2021
d)	MPS Room Indoor & Outdoor lighting			a) 2 nos. tube light not working, need to be replaced. b) Outdoor lighting 4 nos. need to be replaced. c) 4 nos. exhaust fan, need to be		18.10.2021
e)	Numbering Equipments	Numbering on some items has been done on 09.06.2022 and various still pending.		Each equipments of every units must be numbered/ marked (like 1st, 2nd etc) in bold letters so that it could be seen easily.		31.03.2022
f) g)	Manpower	1 Sweeper and 1 operator was present at the site. No security guard was available at site		Deploy adequate number of O&M Staff.		26.02.2022 (since long back)
	Reparing works	Various light boards are in damaged condition.		Needs to be repair immediately.		27.04.2022

20 MLD IPS Halwakanda						
1	Manual Screen	Operational When UPJN & STC team visited the site, it was found that out of the 2 manual screen, 1 screen was found jammed at the below position and is completely chocked because of which sewage is not passing and		1) The jammed manual screen must be taken out and cleaned and placed to its position properly. 2) Manual Screen must be cleaned on regular basis		31.03.2022
2	Manually Operated Crane	Operational				
3	Electrically Operated Crane	Non Operational		It has to be installed at its position.		18.10.2021
4	Submersible pump no. 1	Operational since 03.12.2022		a) Needs to be rectified at the earliest. b) Earthing of soft starter needs to be done.		26.07.2022
5	Submersible pump no. 2	Operational Heavy vibrations were observed. PG not available and DI pipe was found damaged and leaking.		a) PG must be installed at the earliest. b) Earthing of soft starter needs to be done. c) DI pipe needs to be repaired		18.10.2021
6	Submersible pump no. 3	Non-Operational After about 1.5 years of non operational since 25.10.2020, it was made operational on 31.03.2022.		1) Needs to be rectified at the earliest. 2) Earthing of soft starter needs to be done.		02.07.2022 25-10-2020
7	Submersible pump no. 4	Operational After about 13 months (since 25.10.2020) of non operational, it was made operational on 14.10.2021. Again on 20.03.2022 pump became non operational. It was made operational on 18.05.2022 but no record of rectification was found in the register.		1) Earthing of soft starter needs to be done. 2) Pump was rectified but no record was found in the register which shows that KRMPPL is not doing proper record keeping which keeps on repeating every month. This type of issues must be corrected and must not be repeated any further.		25.10.2020
8	Submersible pump no. 5	Operational		1) Needs to be rectified at the earliest. 2) Earthing of soft starter needs to be done.		
9	DI Common Header	Operational		a) Out of 5 Pressure gauges, only 4 were found which is also not functional. Install all pressure gauges.		18.10.2021
10	Pressure Gauges	Non Operational Out of 5 Pressure gauges, only 4 were found which is also not functional.		Get the pressure gauges calibrated / replaced at earliest.		18.10.2021
11	NRV's & Gate valves	Operational Various nut bolts were found missing and various were rusted		Fix the missing nut bolts and replace the rusted nut bolts.	27.09.2022	
12	Pumps Operation	When UPJN & PE visited the site on 25.08.2022, it was observed that no free fall was maintained.		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.		24.11.2021
13	DG	Non Operational since 19.11.2022. Battery backup is not available at site.		A) Battery backup need to be provided. B) Exhaust pipe has to be fixed to the height above than that of nearest		25.08.2022 18.10.2021
14	Transformer no. 1	Operational		a) Transformer breather silica gel need to be changed. b) Transformer area light need to be replaced.		18.10.2021
15	Sub Station Yard	Operational		a) Yard fencing need to be painted.		18.10.2021
16	LT Panel	Level Indicator not working in LT1. Various Ammeter, Voltmeter & indicators were found non working		a) Incommer ACB handle need to be replace b) LT panel ammeter, voltmeter, indicator needs to be replaced.		18.10.2021
17	HT Panel Room	Operational Various ammeter, Voltmeter, indicators found not working.		a) HT Panel incommer and outgoing ammeter, voltmeter & pf meter need to be replaced. b) HT Panel door and heater need to be repaired.		18.10.2021
18	Miscellaneous					
a)	Fire Extinguisher	Fire extinguisher cylinders were not filled. Pipe damaged		Pipe needs to be replaced		27.04.2022
b)	Safety			Workers must have to be in proper PPE's. Need to be complined.		
c)	First Aid Box					
d)	Log Books / Registers	Various log books and register were not found available at site and some are not maintained properly.		All Log books / registers (i.e., Operation log book of each equipment / process units, DG log book, collection sump level transmitter log book,		18.10.2021
e)	Plant lights	1 Pole light was not working. When UPJN & PE visited site, it was found that various lights are rectified but some light was still not working. Apart from this, all light poles were		a) All light pole need to be painted. B) Some lights needs to be replaced		18.10.2021

f)	Emergency contact details			Post of emergency contact personal details need to be updated.		18.10.2021
g)	Cleaning	Cleaning has not been done from the last 6 Months		Cleaning needs to be done on regular basis.		26.02.2022 (since long back)
h)	Metering Room					
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.		31.03.2022
j)	MS Structures	Various I beams and ms structures were found rusted		Painting needs to be done on all rusted ms structures and the damaged sheets must be replaced		31.03.2022

New date b)30.06.2022	Pending
	Pending
New date a)30.06.2022 b)30.06.2022	Pending
28.02.2022 New date a)30.06.2022 b)30.06.2022	Pending
	Pending
10.02.2022 New date 31.05.2022	
28.02.2022 New date 25.05.2022	Pending
28.02.2022	Long Pending
	KRMPL has arranged a temporary arrangement of 600 Kva transformer instead of 1200kva transformer
15.02.2022 for all New date 15.06.2022	Pending
28.02.2022 for all New date a)30.06.2022	Pending
	Long Pending
15.02.2022 New date 15.06.2022	Pending
15.02.2022 for all New date 15.06.2022	Pending
New date 30.06.2022	
	Pending

31.05.2022	Long Pending
31.02.2022 New date 15.06.2022	Long Pending
	Pending
31.03.2022 15.02.2022	Pending
28.02.2022 for all	Pending
28.02.2022 New date a)15.06.2022	Pending
28.02.2022	Pending
28.02.2022 15.02.2022 15.02.2022	Pending
28.02.2022	Pending
	closed
15.02.2022 New date 31.08.2022	Pending
31.01.2022	Pending
15.02.2022	Pending
15.02.2022 for all New date 31.05.2022 30.06.2022	Pending
15.02.2022 for all New date 30.06.2022	Pending
	Long Pending
28.02.2022 for all	Pending

31.05.2022	Pending
	Pending
31.05.2022	Pending
31.05.2022	

k)	Housekeeping	Housekeeping work is not being done regularly.		Needs to be done on regular basis.				
l)	Manpower	No security guard. Site incharge was not present at the site during the inspection. Sweeper was not present at the site during the inspection. No security guard was available at site.		Deploy adequate number of O&M Staff.		26.02.2022 (since long back)		Pending

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