








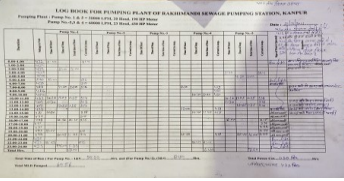















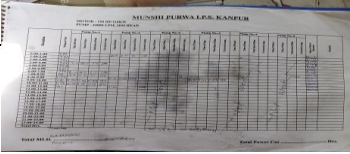






SITE INSPECTION REPORT FOR 100 MLD IPS Rakhimandi , 67 MLD IPS Munshipuram, 20 MLD IPS Halwakanda BINGAWAN					BINGAWAN all IPS	
S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition photo	Corrective Action Required	Corrective Action Completed by KRMPL	Original Date of Issue
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
2	Mechanical Coarse Screen	Non Operational.		Sludge has been fully accumulated before Mechanical Screen. Need to be cleaned		18-10-2021
3	Conveyor Belt	Not Available at site		Needs to be installed at the earliest		Since Hand over, dated 08-07-2019
4	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
5	Sluice Gates	Operational		Lubrication required, Lubrication has to be done on regular basis for smooth operation.		18-10-2021
6	Manually Operated Crane	Operational		Lubrication needs to be done		18-10-2021
7	Pumps no. 1	Operational Starter ammeter & voltmeter along with various indicators not working.		a) Temperature & Vibration checking required as per approved O&M manual. b) Starter no. 1 panel ammeter and voltmeter along with various indicators needs to be replaced.		18-10-2021
8	Pumps no. 2	Non Operational.		Overhauling needs to be done. Temperature & Vibration checking required as per approved O&M manual		24-11-2021
9	Pumps no. 3	Non Operational.		Overhauling needs to be done. Temperature & Vibration checking required as per approved O&M manual		18-10-2021
10	Pumps no. 4	Operational. 1) Heavy Leakage was found from the pump impeller. 2) Starter ammeter & voltmeter along with various indicators not working.		a) Leakage from the impeller must be fixed. b) Temperature & Vibration checking required as per approved O&M manual. c) Starter no. 4 panel door lock need to be replaced. d) Starter no. 4 panel ammeter and voltmeter along with various indicators needs to be replaced.		24-11-2021





11	Pumps no. 5	Operational Starter ammeter & voltmeter along with various indicators not working.		a) Temperature & Vibration checking required as per approved O&M manual. b) Starter no. 5 panel ammeter and voltmeter along with various indicators needs to be replaced.		18-10-2021
12	Dewatering Pump	Non Operational		Needs to be rectified at the earliest		24.11.2021
13	Flow Meter	Operational		Calibration required and submit the calibration certificate		18-10-2021
14	DG 1250 KVA	Non Operational for 7 months (i.e, since 21.04.2021) and rectified on 25.10.2021 DG set radiator was found damaged		1) DG set radiator must be rectified at the earliest. 2) Exhaust pipe has to be fixed to the height above than that of nearest building.		24-11-2021
15	Sub Station Yard	Operational		a) Yard fencing need to be painted. b) CT junction box need to be painted.		18-10-2021
16	HT Panel Room	Operational 1) HT panel ammeter, voltmeter, indicators were found not working. 2) Checker plate was not found at some area.		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. c) 200 amp. ACB in the panel and ammeter, voltmeter need to be replaced. d) Checker plate on cable trench must be provided.		18-10-2021
17	Transformer no. 1	Operational		Transformer breather silica gel needs to be replaced.		18-10-2021
18	Transformer no. 2	After half a months time, transformer arrived at site on 27.10.2021		Transformer breather silica gel needs to be replaced.		24-11-2021
19	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
b)	Manpower Log Book			Operators has to sign in the log book on daily basis.		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 register, attendance register, visit register etc) must be maintained daily.		18-10-2021
d)	MS Structure			Painting need to be done.		18-10-2021
e)	MPS Room Indoor & Outdoor lighting			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
f)	Fire Extinguisher & Sand buckets	No fire extinguisher & sand buckets found inside Panel room		Must be provided at the earliest.		24.11.2021
67 MLD IPS Munshipurwa						
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
2	Sluice Gate	Operational		1) Fix hand wheel on sluice gate no. 2. 2) Lubrication needs to be done.		18-10-2021
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
4	Manual Screen	Operational		Manual cleaning of disposal material has to be done on regular basis		18-10-2021
5	Conveyor Belt	Non Operational		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
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
7	Manual Screen RCC Staire Case	Staire case structure & bottom slab were found damaged.		It should be restored at earliest		18-10-2021
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

9	Pump no. 2	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
10	Pump no. 3	Non-Operational		a) Overhauling needs to be done. 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
11	Pump no. 4	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
12	Pump no. 5	Non Operational		a) Overhauling needs to be done. Temperature & Vibration checking required as per approved O&M manual b) ATS panel starter voltmeter, ammeter and phase indicators need to be replaced		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 b) ATS panel starter voltmeter and phase indicators need to be replaced		25-08-2020
14	Pumps Leakage	Leakages were found from the impeller of pumps		Needs to be rectified.		24.11.2021
15	Dewatering Pump no.1	Operatioonal				
16	Dewatering Pump no.2	Non Operational		Needs to be repaired at the earliest.		24.11.2021
17	Flow Meter.	Operatinal		Needs to be calibrated and provide the calibration certificate		18-10-2021
18	Manually Operated Crane	Operatinal		Overhauling & lubrication needs to be done		18-10-2021
19	Gate Valve	Operational		Operating wheel has to be fixed & Lubrication should be done.		18-10-2021
20	DG	Non Operational		It needs to be repaired at earliest.		18-10-2021
21	DG			Exhaust pipe has to be fixed to the hight above than that of nearest building.		18-10-2021
22	Transformer no. 1	Non operational Transformer arrived at site on 07.11.2021 but found ideal		Needs to be repaired and connected at the earliest.		03-05-2021 as per operator's record

23	Transformer no. 2	Operational		Transformer breather silica gel has to be replaced at earleist		18-10-2021
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 painted.		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.		18-10-2021
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.		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 repaired. d) 1 no. ceiling fan need to be repaired.		18-10-2021
20 MLD IPS Halwakanda						
1	Manual Screen	Operational		Manual Screen must be cleaned on regular basis		24-11-2021
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 Leakage found from NRV.		a) NRV leakage must be repaired at the earliest. b) Earthing of soft starter needs to be done.		18-10-2021
5	Submersible pump no. 2	Operational PG not available		a) PG must be installed at the earliest. b) Earthing of soft starter needs to be done.		18-10-2021
6	Submersible pump no. 3	Non Operational		a) Overhauling needs to be done. b) Earthing of soft starter needs to be done.		25-10-2020

7	Submersible pump no. 4	After about 13 months (since 25.10.2020) of non operational, it was made operational on 14.10.2021.		Earthing of soft starter needs to be done.		25-10-2020
8	Submersible pump no. 5	Operational		Earthing of soft starter needs to be done.		18-10-2021
9	DI Common Header	Operational		<p>a) Out of 5 Pressure gauges, only 2 were found which is also not functional. Install all pressure gauges.</p> <p>b) 2 nos. area light need to be replaced.</p> <p>c) Cable dressing work need to be done.</p>		18-10-2021
10	Pressure Gauges	Non Operational		Out of 5 Pressure gauges, only 2 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		a) Heavy leakages were found through various NRV's		18-10-2021 18-10-2021
12	Pumps Operation	At the time of STC team visit, it was found that collection sump was full of sewage means pumps were not operated as per requirement.		Pumps must be operated as per the incoming flow and the record of level sensor must be maintained on hourly basis.		24.11.2021
13	DG	Operational		<p>a) Exhaust pipe has to be fixed to the height above than that of nearest building.</p> <p>b) Emergency push button need to be repaired.</p>		18-10-2021
14	Transformer no. 1	Operational		<p>a) Transformer breather silica gel need to be changed.</p> <p>b) Transformer area light need to be replaced.</p>		18-10-2021
15	Sub Station Yard	Operational		a) Yard fencing need to be painted.		18-10-2021
16	LT Panel	Various Ammeter, Voltmeter & indicators were found non working		<p>LT Panel MCCB 200 amp. need to be repaired.</p> <p>B) Incoming ACB handle need to be replaced</p> <p>c) LT panel ammeter, voltmeter, indicator needs to be replaced.</p>		18-10-2021

17	HT Panel Room	Operational Various ammeter, Voltmeter, indicators found not working.		<p>a) HT Panel incommer and outgoing ammeter, voltementer & pf meter need to be replaced.</p> <p>b) HT Panel door and heater need to be repaired.</p> <p>c) Rubber mat need to be fixed properly in front of HT Panel.</p> <p>d) DG set panel door cover need to be repaire.</p> <p>e) All Indoor & outdoor lights need to be replaced.</p>		18-10-2021
18	Miscellaneous					
a)	Fire Extinguisher			Expired. Need to refill.		18-10-2021
b)	Safety			Workers are not in proper PPE's. Need to be complined.		18-10-2021
c)	First Aid Box	Various items were found expired and missing.		Various items has been expired and missing. Exchage it with new one. Provide proper training to the concerned person of the site for First aid box.		18-10-2021
d)	Log Books / Registers			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.		18-10-2021
e)	Plant lights			<p>a) All light pole need to be painted.</p> <p>B) Various lights needs to be replaced</p>		18-10-2021
f)	Emergency contact details			Post of emergency contact personal details need to be updated.		18-10-2021
g)	Metering Room	No rubber mat was found beside the meter		Rubber mat must be provided at the earliest.		24.11.2021

Date: 24/11/2021	INSPECTED BY: UPJN Team: 1) Mr. Mahipal Singh (JE E&M) STC Team: 1) Mr. Rohit Suman (Supp. Engr. Mech.) 2) Mr. Pankaj Rawat (Supp. Site Supervisor)
Proposed Date to Resolve by KRMPL	Current Status of Compliance
	Long Pending
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