





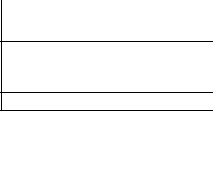










SITE INSPECTION REPORT FOR 210 MLD STP BINGAWAN					Location: 210 MLD STP at BINGAWAN		Inspection Date: 03.02.2023 & 16.02.2023
S. No.	Equipment	Assessment of Current Condition	Assessment of Current Condition photo	Corrective Action Required	Corrective Action Completed by KRMPPL	Original Date of Issue	Proposed Date to Resolve by KRMPPL
1	COD Nalla	During the joint site visit of COD Nala I&D site on 15.12.2022, it was found that sewage flows (Overflow) were diverted to Pandu River.		Required nos. of pumps at MPS need to be operated to tackle the problem of overflow.		03.10.2022	
1A	COD Nalla Gate	During the joint inspection on 15.12.2022, overflow was observed. Also gate was closed.					
1B	Bypass Sluice Gate at Bingawan STP Inlet Chamber	During the UPJN & PE site visit of Bingawan STP on 27/05/2022, leakage of sewage flow was found at the bypass sluice gate going to the River. PE had pointed out this issue in previous inspection reports for KRMPPL compliance. KRMPPL plant incharge confirmed that the issue was rectified but still the same issue was observed which means the issue was not complied earlier and false information is being provided by KRMPPL Plant incharge.		Leakages from the bypass sluice gate must be fixed. During the inspection of UPJN & STC team done on 14.11.2022, it was observed that fine leakage in the bypass is still not attended.		27.05.2022	
2	Upstream Wetwell of MPS	During the UPJN & PE site visit on 25.06.2022, it was observed that freefall at the inlet of the MPS wet well was not maintained. This situation is very frequent and KRMPPL is not taking any corrective measures.		Adequate no. of pumps at MPS need to be operated to tackle the problem of reverse/ back flow and free fall at the inlet needs to be maintained at all times.		26.10.2021	

3	Sluice gates at Upstream Wetwell of MPS	Non-Operational		1. Sluice gate primary shaft was found in bent condition. Need to be replaced. 2. Sluice gate integrated stem guide is broken. Need to be replaced. 3. Rake mechanism must be aligned properly at the earliest. 4. Painting needs to be done properly on the stairs, walkway, handrails etc. 5) Chain cover must be provided. 6) Log book of mechanical screen must be maintained. 7) Cable dressing to be done.	03.10.2022
4	Mechanical Coarse screen (No.01)	Non-operational The rake mechanism is not properly aligned and uneven gap was found between rake teeth and plate/screen bar.		1) Need to be rectified at the earliest. 2) Rake mechanism must be aligned properly at the earliest. 3) Chain cover should be installed. 4) Painting needs to be done properly on the stairs, walkway, handrails etc. 5) Chain cover must be provided. 6) Log book of mechanical screen must be maintained. 7) Cable dressing to be done.	20.08.2022 03.02.2021
5	Mechanical Coarse screen (No.02)	Operational but not serving its purpose The rake mechanism is not properly aligned and uneven gap was found between rake teeth and plate/screen bar.		1) Need to be rectified at the earliest. 2) Rake mechanism must be aligned properly at the earliest. 3) Chain cover should be installed. 4) Painting needs to be done properly on the stairs, walkway, handrails etc. 5) Chain cover must be provided. 6) Log book of mechanical screen must be maintained. 7) Cable dressing to be done.	18.08.2022 28.06.2022 03.02.2021
6	Manual bar Screen no.01	1) Manual bar screen found checked.		1) Screen need to be cleaned regularly. 2) Painting needs to be done on the stairs and handrails.	03.10.2022
7	Manual bar Screen no.02	Operational 1) Manual bar screen found		1) Screen need to be cleaned regularly. 2) Painting needs to be done on the stairs and handrails.	03.10.2022
8	MPS Inlet chamber				

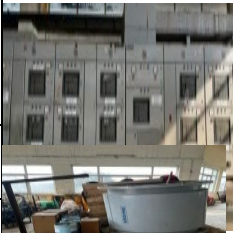







30.10.2021


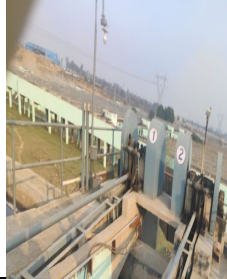

9	Coarse Screen Control Panel	Operational		be repaired/ replaced 2) Ammeter needs to be replaced. 3) Damaged Control Panel needs to be attended along with the necessary painting	28.01.2020
10	Mechanical Coarse Screens Conveyor belt	Operational When UPJN & STC team visited the site on 25/03/2022, it was observed that the Belt conveyor was not aligned properly and the screenings were not properly collected on the conveyor.		1) Belt alignment needs to be done immediately. 2) Belt conveyor needs to be operated regularly. 3) Debris disposal from the belt conveyor to be done regularly. 4) Trolley must be provided.	11.04.2022 25.03.2022
11	Main Inlet Chamber - Sluice Gate Mounting Slab	The damaged slab was finally rectified on 14.11.2022, but the casting & fixing work was poorly done.		1) Do the casting & fixing work properly under the supervision of civil engineer. 2) Deploy Civil engineer for the supervision works.	22.02.2022 26.10.2021
12a	Main Pump Station(MPS) Wetwell	When UPJN & STC team reached the site on 03/10/2022, significant floating material was found in the wetwell.		Floating material needs to be removed from the wetwell. The mechanical screens must be operated regularly to avoid such conditions i.e, garbage carry over.	03.10.2022
12b				KRMPL to plan and shutdown 50% of the wetwell at a time depending on the inlet flows, drain the section and clean out the bottom debris. The schedule for the same is to be submitted by KRMPL for review and approval at the earliest.	08.07.2019













Long Pending
Pending
Long Pending
Pending
Pending

13	MPS Cable tray	Cable tray was found rusted		Needs to be painted/ Replaced	08.07.2019
13 a	Substation Room	1. Controller for Panel of DG No. 2 is not working in auto mode. Also, display keys were not working.		1. Checker plate needs to be installed in the substation room. 2. 1 Nos. tubelight and exhaust were not working. 3. Outdoor lights cable dressing to be done properly in substation room. 4. All signboards are unreadable and therefore should be replaced.	08.07.2019
13 b	Transformer Yard	1. RTCC Panel was not in working condition since handover.		Needs to be rectified.	08.07.2019
14	MPS Discharge Header Air Release Valve Chamber (Civil work)	1) Valve Chamber Roof Panels Finishing work is not completed yet. 2) Air Valve Vertical Pipe was found bent. 3) Valve chamber was found filled with mud. 4) Air valves were replaced but leakage was observed during their observation.		1) Complete roof panel finishing works at the earliest. 2) Air valve pipe must be fixed 3) Clean the valve chamber at the earliest. 4) Exercise the air valves for efficient operation and repair/replace them if required. at the earliest. 5) Valve chamber needs to be cleaned completely. 6) Check Air valves operation and rectify the problem.	01.04.2021 6)26.07.2022
15	Pump no.1	Operational Suction Pipe line valve is not in working condition 03.10.2022		1. Starter Panel Voltmeter display was damaged.	03.10.2022
16	Pump no.2	It was observed during the inspection on 14.11.2022 that pump no. 2 is operational but facing overheating and getting tripped.		1. 550 MNX Kit in the panel need to be replaced. 2. Need to be overhauled at earliest 2. Valve need to be replaced .	24.09.2022
17	Pump no.3	1) After 1.5 months of non-operational since 26.10.2021, it was made operational on 10.12.2021 2) Starter Panel Voltmeter & Ammeter were not working. 3) Leakage found from the Impeller was observed.		1) Voltmeter & Ammeter must be replaced. 2) Leakages from the Impeller must be fixed. 3.) Suction pipe line valve is not in working condition since 03.10.2022.	20.07.2022 03.10.2022
18	Pump no.4	Non-Operational 1. Suction pipe line valve is not in working condition since 03.10.2022. 2. NRV not working because of which the pump is not being operated perfectly.		1. Need to be overhauled at earliest. 2. Suction pipe line valve is not in working condition since 03.10.2022. 3. NRV not working because of which the pump is not being operated perfectly.	06-05-2021 03.10.2022
19	Pump no.5	Non-Operational Voltmeter & ammeter not working		1. Voltmeter & Ammeter must be changed. 2. Suction pipe line valve is not in working condition since 03.10.2022	26-10-2021 03.10.2022
20	Pump no.6	Non Operational 1. Heavy sound coming from Pump 2. Suction pipe line valve is not in working condition since 03.10.2022		Needs to be rectified.	26-07-2022 03.10.2022
21	Pump no.7	Non-Operational Voltmeter not working		1) Needs to be rectified. 2) Voltmeter must be replaced. In the meeting dated 11.04.2022, ED (T) NMCG directed KRMPPL to rectify the issue till 21.04.2022 but not rectified yet.	25.12.2021 03.10.2022
22	Pump no.8	Non-Operational When UPJN & PE visited site, it was found that the impeller of pump no. 8 was damaged and it's replaced with the impeller of pump no. 4.		1) Needs to be rectified. 2) Impeller of pump no. 8 must be rectified at the earliest. 2. Suction pipe line valve is not in working condition since 03.10.2022	16.07.2022 03.10.2022

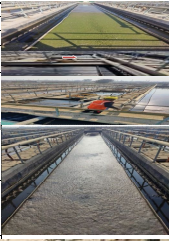







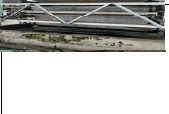

30.10.2021
30.06.2022
30.06.2022





23	Pump no.9	Non-Operational & Suction pipe line valve is not in working condition since 03.10.2022		Needs to be rectified.	14-06-2022 03.10.2022	
24	Pump no.10	Operational		Needs to be rectified.	03.10.2022	
25	Pump no.11	under maintenance NRV not working because of which the pump is not being operated perfectly.		1) Needs to be rectified. 2) NRV must be rectified	21.08.2022 26.07.2022 03.10.2022	
26	Pump no.12	Operational 1) Heavy leakage was found from the gate valve & pump impeller. 2) NRV not working because of which the pump is not being operated perfectly.		1) Needs to be rectified. 2) Leakages from the gate valve & Impeller must be fixed. 3) NRV must be rectified. In the meeting dated 11.04.2022, ED (T) NMCG directed KRMPL to rectify the issue till 21.04.2022 but not rectified yet.	29.07.2022 26.11.2021	
27	Pumps	It has been observed from long back that vibration meter is not there at site for checking pumps vibration.		Vibration meter needs to be provided at the earliest which is long pending	27.05.2022	
28	MPS Panel	1.Out of 12 Panels 6 Panels were not working (i.e. panels for pump no. 4, 5, 6, 8, 9, 11) 2. Various indicators, ammeters, voltmeters etc were found not working		1. All non-operational panels should be rectified at the earliest. 2. All non-working indicators, ammeters, voltmeters etc must be replaced at the earliest.	27.05.2022	
29	Pump Logbooks			Plant Incharge needs to review the log books regularly and do signature on the log book.		
30	Inlet Flow Meters	Non Operational Flow meter is present at the site but not installed since a long time.		Flow meter need to be fixed at the earliest In the meeting dated 11.04.2022, ED (T) NMCG directed KRMPL to install flow meter at the earliest.	28.01.2020	31.07.2022
31	Level Sensor of MPS S	Calibration needs to be done.		Must be calibrated at the earliest and calibration report should be submitted at the earliest.	26.10.2021	30.01.2022 new date 30.06.2022 new date 31.07.2022
32	MS pipe to PTU	When STC / UP Jal Nigam reached the site, it was found that painting has been done but still some part of the pipes are found rusted and not properly painted.		Needs to do epoxy painting properly by following standard procedure.	25.03.2022	
33	Mechanical Fine screen	Non Operational When STC / UP Jal Nigam team reached the site, we found that the screen is still not functioning properly. None of the disposal material is getting removed by the screen and also sewage level in upstream is higher than that of the level at downstream. Screen bars are choked with disposal materials.		Must be Overhauled at the earliest In the meeting dated 11.04.2022, ED (T) NMCG directed KRMPL to rectify the issue till 18.04.2022 but not rectified yet.	28.01.2020	15.11.2021, Next date given is 31.01.2022 Next date given is 31.07.2022
34	Mechanical Fine screen	Non Operational		Must be Overhauled at the earliest In the meeting dated 11.04.2022, ED (T) NMCG directed KRMPL to rectify the issue till 18.04.2022 but not rectified yet.	26.10.2021	31.01.2022 Next date given is 31.07.2022
35	Mechanical Fine screen	Non operational When STC / UP Jal Nigam team reached the site, we found that the screen is not functioning properly. None of the disposal material is getting removed by the screen and also sewage level in upstream is higher than that of the level at downstream. Screen bars are		Must be rectified at the earliest In the meeting dated 11.04.2022, ED (T) NMCG directed KRMPL to rectify the issue till 18.04.2022 but not rectified yet.	26.10.2021	
36	Mechanical Fine Screen	1) Various indicators not working. 2) Cables was found lying on the floor.		1) Panel indicators need to be repaired/ replace. 2) Damaged part of the panel must be replaced and painting must be done properly 3) Cable tray must be provided for the cables and must be dressed properly.	28.01.2020	
37	Conveyor belt	Operational		Motor cover need to be replaced	03.10.2022	
38	Manual Screen no. 1 &			Regular cleaning of manual screens needs to make sure.		

39	Painting works on PTU	When UPJN & PE visited site, it was found that painting work is not done properly on the items on PTU. By scratching through nails only, the painted parts is coming out and the below portion was found rusted. Also various parts which was not painted properly was again get corroded as shown in the pic.		Painting must be done properly and all the rusted parts on PTU needs to be painted. Apart from this, painting procedure needs to be submitted at the earliest. All the parts on which painting is not done by following standard procedure, needs to be repainted properly.		26.11.2021 (Since long back)	
40	RTOLMS sampling buc			Bucket must be clean and sludge must be removed daily.			
41	Grit removal mechanisr	Non-Operational 1) Mechanism was completely filled with sludge. 2) No canopy found on motors of equipments. 3) Rack classifier was not working. 4) Organic Pump was not present at the site. 5) Load mechanism was not working.		1) Proper alignment work of grit classifier must be done at earliest. 2) Canopy must be provided on all motors. 3) Grit disposal tray must be cleaned. 4) MS walkway and cable tray needs to be painted properly. 5) Damaged cable tray must be replaced and cable dressing needs to be done. 6) Rack Classifier needs to be rectified.		03.10.2022	
42	Grit removal mechanisr	Non Operational 1) Mechanism was completely filled with sludge. 2) Rack classifier was not working.		1) Proper alignment work of grit classifier must be done at earliest 2) Canopy must be provided on all motors. 3) Grit disposal tray must be cleaned. 4) MS walkway and cable tray needs to be painted properly. 5) Damaged cable tray must be replaced and cable dressing needs to be done.		25.08.2021	
43	Grit removal mechanisr	Non Operational 1) Mechanism was completely filled with sludge. 2) Rack classifier was not working. 3) Organic Pump was not working.		1) Proper alignment work of grit classifier must be done at earliest. 2) Canopy must be provided on all motors. 3) Grit disposal tray must be cleaned. 4) MS walkway and cable tray needs to be painted. 5) Damaged cable tray must be replaced and cable dressing needs to be done. 6. Organic pump need to be rectified.		26.10.2021	2) 28.02.2022


44	Grit removal mechanism- Detritor no.04 Main drive, Classifier drive, Organic pump	Operational 1) Organic pump was not working. 2) MS structure was not found properly painted.		1) Canopy must be provided on all motors. 2) Grit disposal tray must be cleaned. 3) MS walkway and cable tray needs to be painted. 4) Damaged cable tray must be replaced and cable dressing needs to be done.	1) 22.02.2022 26.10.2021
44a	Grit Mechanism Area	3 Nos. lights were damaged. 12 lights		Need to be rectified/replaced.	16.01.2023
45	Parshall Flume	No ultrasonic level sensor and no scale were found at site		1) Level sensor must be installed at earliest. 2) Scale & chart for flow measurement must be fixed at earliest.	Since Handover 08-07-2019
46	Grit Disposal Area	found that no trolley was provided for screening collection and much of		1) Trolley at every location needs to be provided for collection or cart from chutes & screenings from conveyor every time as directed by NMCG inspection/DIC visit.	26.10.2021
47	UASB Reactor- no.1	Operational		Processing needs to be optimized	23.01.2021
48	UASB Reactor- no.2	Operational		Processing needs to be optimized	21.04.2021
49	UASB Reactor- no.3	Operational		Processing needs to be optimized	20.08.2020
50	UASB Reactor- no.4	Operational		Processing needs to be optimized	23.01.2021
51	UASB Reactor- no.5	Operational		Processing needs to be optimized	15.03.2021
52	UASB Reactor- no.6	Operational		Processing needs to be optimized	10.01.2022
53	UASB Reactor- no.7	Operated but filled with sludge 1) Various downward pipes from the feed box were found choked.		NMCG has directed KRMPL to deploy more team for cleaning of UASB reactors to complete the process with in 3 to 4 week for each reactor.	28.01.2020
54	UASB Reactor- no.8	Operational		Processing needs to be optimized	23.01.2021

2) 28.02.2022
3) 31.01.2022
2) 15.01.2022 new date
2)
30.06.2022
new date 2)
31.07.2022
-



55	UASB Reactor- no.9	Operational		Processing needs to be optimized	04.12.2021	
56	UASB Reactor- no.10	Operational		Processing needs to be optimized	16.12.2021	
57	UASB Reactor- no.11	Operational		Processing needs to be optimized	25.04.2022	
58	UASB Reactor- no.12	Operational 1) After about 22 months (since		Processing needs to be optimized HDPE pipe support needs to be provided.	26.11.2021 25.03.2022	
59	UASB Reactor- no.13	Final Cleaning required.Under Maintenance s		1. In NMCG meeting dated 11.04.2022, KRML promised and extended the previous date to complete cleaning of reactors till May 2022 but not cleaned yet. 2. Sheets are observed to either old, or folded or damaged. Therefore sheets must be replaced. 3. PP plates requires sealing.	28.01.2020	28.02.2022 then 31.03.2022 New Date 15.06.2022
60	UASB Reactor- no.14	Under Maintenance since Nov. 2021		In NMCG meeting dated 11.04.2022, KRML promised and extended the previous date to complete cleaning of reactors till May 2022 but not cleaned yet	28.01.2020	15.02.2022 then 28.02.2022 New Date 15.07.2022
61	UASB Reactor- no.15	Under Maintenance since 03.01.2022		In NMCG meeting dated 11.04.2022, KRML promised and extended the previous date to complete cleaning of reactors till May 2022 but not cleaned yet	28.01.2020	31.01.2022 then 31.03.2022 New Date 31.07.2022
62	UASB Reactor- no.16	Under Maintenance		In NMCG meeting dated 11.04.2022, KRML promised and extended the previous date to complete cleaning of reactors till May 2022 but not cleaned yet	28.01.2020	15.01.2022 then 15.03.2022 New Date 15.08.2022
63	UASB reactors	Some improvement in scum cleaning was When UPJN & STC team reached the site, it was found that; almost all reactors overflow v-notch was not alignment properly and also the notches were found choked at various places. At various places no overflow was being observed through the v-notch. Apart		Scum cleaning needs to be done regularly.	30.06.2022	
64	UASB reactors sludge withdrawing.	When UPJN & PE visited site, it was found from the register that sludge withdrawal are not being done from each reactors daily.		1) Alignment and cleaning of v- notches must be done at the earliest so that smooth flow of treated sewage takes place. 2) Gates just before UASB reactors needs to be opened fully.	25.03.2022 26.07.2022	
65	Sampling Chamber	When STC / UPJN team reached the site, it was found that; 1) Some of the sampling chambers beside reactors are cleaned and various chambers were filled with sewage/ water and many sampling points were packed with concrete.		Required quantity of sludge needs to be withdrawn from all the reactors daily and accordingly required nos. of BFP & sludge pump need to be operated.	27.05.2022	
66	HT Cable	HT Cable line from grit to the transformer near aerators is non functional		1) All Sampling chambers must be cleaned at the earliest. 2) Sampling points must be cleaned and valves to the point needs to be fixed. 3) Bottom sludge drawing pipes needs to make operational.	26.11.2021	
67	Aerator no.01	Operational		Needs to be rectified and connected with the transformers (near aerators) at the earliest.	Since Sept. 2021	31.07.2022
68	Aerator no.02	Operational				
69	Aerator no.03	Non-Operational				
70	Aerator no.04	Operational				
71	Aerator no.05	Operational				
72	Aerator no.06	Operational				
73	Aerator no. 07	Operational				
74	Aerator no. 08	Operational				
75	Aerator no. 09	Operational				
76	Aerator no. 10	Operational			27.05.2022	
77	Aerator no. 11	Non Operational				
78	Aerator no. 12	Operational			25.08.2022	
79	Aerator no. 13	Operational			03.10.2022	
80	Aerator no. 14	Operational		Needs to be rectified at the earliest.		
81	Aerator no. 15	Operational				
82	Aerator no. 16	Operational			27.05.2022	
83	Aerator no. 17	Operational			03.06.2022	
84	Aerator no. 18	Operational		Needs to be rectified at the earliest.	03.10.2022	
85	Aerator's earthing	When STC / UPJN team reached the site, it was found that improper earthing has been provided by connected with thin wire instead of GI strip. All aerators earthing work still pending.		All aerators earthing GI strip (of required dimension) connection must be done at the earliest which is still pending.	22.01.2022	
86	Aeration Lagoon no. 1	1) When STC / UPJN team reached the site, a joint depth measurement for aeration lagoon no. 1 was done at three different points, and sludge was found at an average depth of 0.6m below the top water level, which means 3.4 m approx. sludge is present inside aeration lagoon no. 1 at corners. 2) At the time of visit, no desludging work was found.		Desludging needs to be done on immediate basis. In the meeting dated 11.04.2022, ED (T) NMCG directed KRML to submit complete and detailed plan & schedule for bypass line within 7 days (i.e., 18.04.2022). ED (T) NMCG directed KRML to submit cleaning schedule of aeration lagoon within 7 days (i.e., 18.04.2022).	26.11.2021 (Since long back)	15.01.2022 New date 31.08.2022
87	Aeration Lagoon no. 2	Out of 35 lights in aerator area 18 lights not working. Filled with sludge		Desludging needs to be done on immediate basis.	18.08.2021	
88	RSP pump no. 1	Non-Operational		1) Needs to be rectified at the earliest.	27.05.2022	
89	RSP pump no. 2	After around 2 months of non-operational since 20.01.2022. It was made operational		2) Sludge accumulated on the floor needs to be cleaned.		
90	RSP pump no. 3	Operational				
91	Belt Filter Press Unit	Operational				
92	Poly dosing pump No.1	Operational				
93	Poly dosing pump No.2	Operational			03.10.2022	
94	Poly dosing pump No.3	Non Operational		1) Poly dosing pump was found need to be rectified at the earliest. 2) Solenoid need to be rectified at the earliest.		30.10.2021. Next date given 15.02.2022 Next date given 30.06.2022 New date 15.07.2022
95	Service water pump No.1 (For BFP)	Operational		Need to be replaced	07.10.2021	
96	Service water pump No.2 (For BFP)	Non Operational		Need to be replaced	Since Handover 08-07-2019	15.11.2021. Next date given 28.02.2022 Next date given 30.06.2022 New date 15.07.2022
97	Belt filter Press No.1	Operational After approx 5 months of non-operational since 23.09.2021, it was found operational on 22.02.2022 and again found non-operational on 27.05.2022, again found operational but no record found at site. No record of non operation of BFP was mentioned in the maintenance register. 1) Discharge sludge box was found totally rusted and damaged. 2) BFP building shed was found rusted		1) Panel door, ammeter, voltmeter, limit switch, indicator lights need to be repaired / replaced. 2) Cable tray need to be painted. 3) BFP panel no. 1 buzzer need to be replace. 4) Discharge sludge box must be replaced. 5) BFP building shed needs to be epoxy painted by following standard method. 6) Maintenance register needs to be maintained properly.	23.09.2021	30.11.2021. Next date given 31.01.2022 Next date given 10.06.2022
98	Belt filter Press No.2	Non-Operational Discharge sludge box was found totally rusted and damaged.		1) Need to be required lubrication on daily basis 2) Panel door, ammeter, voltmeter, limit switch need to be repaired. 3) Cable tray need to be painted. 4) Discharge sludge box must be replaced.	23.09.2021	30.11.2021 Next date given 31.01.2022 Next date given 31.05.2022
99	Belt filter Press No.3	Operational Discharge sludge box was found totally rusted and damaged.		1) Need to be required lubrication on daily basis 2) Panel door, ammeter, voltmeter, limit switch need to be repaired. 3) Cable tray need to be painted. 4) Discharge sludge box must be replaced.	23.09.2021	30.11.2021 Next date given 31.01.2022 Next date given 31.05.2022
100	Tractor Trolley	No spare trolley was found available at site		Spare trolley must be provided at every time.	22.02.2022	
101	Filtrate pump no. 1	Operational		Need to be overhauled at the earliest	10.12.2021	
102	Filtrate pump no. 2	Non-Operational		Need to be overhauled at the earliest	10.12.2021	


111	Gas Flaring Unit at DG yard	Operational 1) Auto ignition s		Need to be repaired and painted immediately.		28.01.2020
112	DFG no. 1	Operational After 3 months of non-operational since 16.12.2021, it was made operational on 12.03.2022. Again DFG is non		1) Need to be rectified at the earliest 2) Needs to be painted		10.04.2022 16.12.2021
113	DFG no. 2	Operational		1) The autocharge must be rectified. 2) Needs to be painted 3) Exhaust silencer needs to be overhauled.		03.10.2022
114	House Keeping	found to be in very poor condition. This implies that when OPIN & PE visited		plant needs to be improved at the earliest and		03.10.2022
115	Leakage at Civil Unit	site, heavy leakage was observed as shown in the picture because of which the area below division channel was filled with sewage. Also leakages		1. Need to be repaired permanently 2. Greasing and lubrication for channel valves is required to be done.		28.01.2020
116	Log Boogs/ Registers	It was found that no record/ log book or register for Mechanical screens, Sludge pumps operation etc were maintained by KRMPL. Even maintenance register was not found properly maintained as BFP no. 1 was found operation but no information of BFP was found in the maintenance register. Apart from this, various rectification works which		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.		26.10.2021
LONG PENDING						
LONG PENDING						
PENDING						
PENDING						
LONG PENDING						
LONG PENDING						

30.06.2022 New Date 31.08.2022
31.05.2022, New date 31.07.2022, New Date 15.08.2022
15.01.2022 New Date 31.08.2022

117	Internal Road Restoration	Internal roads were found damaged at various places		Internal road restorational must be started at earliest and should be done on phased manner.	26.10.2021
118	Marking Equipments	It was found that some markings has been done by KRMPPL and some marking on the equipments/ units are still pending which had already been clarified to the plant incharge.		Each equipments / units must be marked (like 1st, 2nd etc) in bold letters so that the equipments/ units can be identified easily.	26.10.2021
119	Laboratory	1) KRMPPL lab testing results are not matching with other agency's testing report. 2) Calibration Tests of Lab equipment are not performed. 3) Fecal coliform results is exceeding the permissible limit with a huge margin. 4) List of equipment complete details are not found available at site. 5) It was found that the samples were kept at negative temperature.		1) KRMPPL lab testing results are not matching with other agency's testing report. KRMPPL must do the testings properly as per standard operating procedure as per CA / CPHEEO manual. 2) Lab. equipments must be calibrated. 3) Fecal Coliform tests need to be validated due to huge variation with the 3rd party lab results. 4) Detailed list of lab equipment with all information must be prepared and made available at site. 5) Temp. regulated fridger must be made available for storing samples.	25.03.2022 26.10.2021
120	MS structures, Hand railings in whole plant, MS staires	Various MS Structures, MS staires and all the hand rails on UASB reactors etc were found totally rusted		Epoxy painting must be done properly by following standard procedure on all the corroded items of the plant at the earliest.	26.11.2021 (Since long back)
121	UASB Reactor Hand railing.	Hand rails on the UASB reactors are totally rusted.		Handrailing needs to be either replaced or painted with epoxy paint at the earliest.	26.11.2021 (Since long back)
Pending					
LONG PENDING					
LONG PENDING					
Long Pending					
Long Pending					

03.10.2022
28.02.2022
30.06.2022
30.06.2022 New Date 31.08.2022

122	Sludge Disposal	1. During the joint inspection done on 15.12.2022, it was		Still UPPCB norms are not being followed and	01.12.2021		LONG PENDING
123	Final Polishing Unit 1 & 2	When UPJN & STC officials reached the site, it was found that FPU lagoons are completely filled with sludge		1. Cleaning of FPU No. 1 has started on 02.12.2022. 2.Desludging needs to be done on immediate basis. In the meeting dated 11.04.2022,	22.01.2022 (Since long back)		LONG PENDING
124	Internal Lights, Exhaust fans etc. of Panel rooms	Various lights and exhaust fans inside various panel rooms were found not in working condition		Various lights and exhaust fans must be rectified / replaced at the earliest.	22.01.2022	30.06.2022	Long Pending
125	LT Panel Room	Various indicators, ammeters voltmeters etc were found working		All non-working indicators, ammeters, voltmeters etc must be replaced at the earliest.	25.03.2022	30.06.2022	Long Pending
126	Plant External Lights	When UPJN & PE officials visited site, it was found that some of the lights were replaced and various lights are still not working/ not available, which needs to be rectified / replaced. Apart from this, almost all DB of light pole is non- functional.		1) Defective lights needs to be replaced at the earliest. 2) All defective DB needs to be rectified. In the meeting dated 11.04.2022, ED (T) NMCG directed KRMPL to install all lights within a day (i.e, 13.04.2022) and must ensure its 100% availability/ functioning.	28.01.2020	30.06.2022	LONG PENDING
127	Water taps at various locations inside plant	When UPJN & PE visited the site, it was found that at various locations, the water taps are not working and the civil works are damaged and on some places no foundation and drain line were available.		1) Water taps must be rectified at all places. 2) Civil foundation works must be restored at all places. 3) At the places where civil	22.02.2022		Pending

128	Safety shower	Safety shower civil structure was found damaged and the system is not working properly. Also the eye wash paddle is not working		1) Eye wash paddle needs to be fixed and piping system must be fixed properly. 2) Civil foundation work		22.02.2022	30.06.2022	Pending
129	O&M Staff	Every time when UPJN & PE team visited the site, it was found that qualified & adequated nos. of O&M staff/		Qualified and adequate nos. of staffs/ workers must be deployed by KRMPL.		22.02.2022 (Since long back)		Long Pending
130	Power connection through	When UPJN & STC officials visited site, a temproray power line from Panel room (near		This temporary connection needs to be removed.		27.01.2022		Required action needs to be taken by