




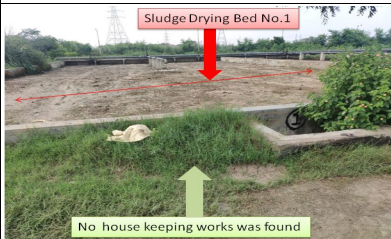





| SITE INSPECTION REPORT FOR 42 MLD Sajari STP |   |  |                                       | SAJARI STP  | Date:15.10.2022                      |                           | INSPECTED BY:<br>STC & UPJN Team:<br>1) Mr. Ajay Kumar Goyal (Support Engr. Mech.)<br>2) Mr. Ajay Singh (UPJN JE- Civil)<br>KRMPL Team:<br>Mr. Ram Yadav (Plant Incharge) |              |
|--|---|--|---------------------------------------|---|--------------------------------------|---------------------------|---|--------------|
| S. No.                                       | Equipment                                   | Assessment of Current Condition  | Assessment of Current Condition Photo | Corrective Action Suggested by STC  | Corrective Action Completed by KRMPL | Original Date of Issue    | Proposed date to resolve by KRMPL   | Remark       |
| A INLET CHAMBER                              |   |  |                                       |   |                                      |                           |   |              |
| 1  | Inlet Sluice Gates                          |  |                                       |   |                                      |                           |   |              |
| 2  | Mech. Coarse screen ( no.1 )                | Operational<br>Since 15.10.2022  |                                       | 1) Vibration & uneven sound issue need to be rectified at the earliest.<br>2) Auto system level settings needs to be done and must be automated and it should be get checked by UPJN & PE.<br>3) It seems that KRMPL is still not operating the screens regularly. Screens needs to be operated regularly.<br>In the meeting dated 11.04.2022, ED (T) NMCO directed KRMPL to rectify the screen at the earliest but not rectified yet completely. |                                      | 20.09.2022                |   | Pending      |
| 3  | Mech. Coarse screen ( no.2 )                | Operational  |                                       | 1) Level sensor has to be installed at earliest for automation.   |                                      | Since handover 11-10-2019 | 28.02.2022 /<br>New date given 31.08.2022/ Again new date 31.10.2022 vide KRMPL Letter No.104 dated 07.09.2022  | LONG PENDING |
| 4  | Mechanical Screen Level transmitter display | 1) Auto System of Mech Coarse Screen -1 & 2 are Under Maintenance<br>2) Not operating the mechanical screen perfectly<br>3) Level sensor of 2nd mechanical screen is not available |                                       | 1) The level setting system has to be corrected and the screens must be automated. Level sensor for mechanical screen no. 2 has to be installed at earliest for automation. Screens need to be automated at the earliest.<br>2) Closing gate must be fixed to the level transmitter casing box.<br>3) Painting needs to be done on the casing box.  |                                      | Since handover 11-10-2019 | 15.09.2022  | LONG PENDING |
| 5  | Belt Conveyor                               | Operational  |                                       | Every time during visit, conveyor belt was found in still condition. Needs to be operated on regular basis.   |                                      | 20.09.2022                |   |              |
| 6  | Mech. Coarse Screen On-site Panel           | Finally all the indicators are replaced on 17.08.2022.   |                                       |   |                                      |                           |   |              |
| 7  | Manual Coarse Screen.                       | When UPJN & STC team reached site, the bars were found choked which shows that KRMPL is not cleaning the screen regularly.   |                                       | Manual Screen needs to be cleaned.  |                                      | 12.07.2022                |   |              |
| B RAW SEWAGE PUMPING STATION                 |   |  |                                       |   |                                      |                           |   |              |
| 1  | Raw Sewage Pump-01                          | Operational  |                                       |   |                                      |                           |   |              |
| 2  | Raw Sewage Pump-02                          | Operational  |                                       |   |                                      |                           |   |              |




|                        |  |   |  |  |  |   |                                  |   |
|------------------------|--|---|--|--|--|---|----------------------------------|---|
| 3                      | Raw Sewage Pump-03   | Non Operational<br>Since 19.09.2022   |  | Need to be rectified.  |  | 19.09.2022                                |                                  | Pending   |
| 4                      | Raw Sewage Pump-04   | Operational   |  |  |  |   |                                  |   |
| 5                      | Raw Sewage Pump-05   | Operational   |  |  |  |   |                                  |   |
| 6                      | Collection Sump Level sensor   | No level transmitter was found inside collection sump   |  | Install the level transmitter at the earliest and maintain the levels of the collection sump on regular basis.   |  | 18.11.2021                                | Pending from KRMPL end.          | As per Article 8.8 (a), this has to be provided by the concessionaire |
| 7                      | Raw Sewage Pumps operation   |   |  | 1) A CCTV camera needs to be installed at the MPS so that the collection sump, Inlet chamber, MPS equipments operations etc can be monitored.  |  | 08.06.2022                                |                                  |   |
| 8                      | EOT  | Operational   |  |  |  |   |                                  |   |
| 9                      | Electro-Magnetic flow meter  | Operational   |  | Flow meter's flow record must be provided in the log book & MPR  |  | 10.05.2022                                |                                  | Pending   |
| 10                     | Panel Room   | When UPJN & PE visited site, it was found that some of the digital meter.   |  | Digital meters need to be replaced.  |  | 21.09.2021                                | Pending from KRMPL end.          |   |
| <b>C. PRIMARY UNIT</b> |  |   |  |  |  |   |                                  |   |
| 1                      | Fine screen (No. 1 Mech)   | Operational<br>The bar spacing at some places in the screen has increased.  |  | Need to be rectified at earliest.  |  | 27.10.2021                                | 15-01-2022/New date 15.10.2022   | LONG PENDING  |
| 2                      | Fine screen (No. 2 Mech)   | Operational<br>The bar spacing at some places in the screen has increased.  |  | 1) Screen needs to be rectified.<br>2) Screen bars spacing need to be rectified at earliest.   |  | 16.08.2022 - 27-10-2021                   | 15-01-2022/ new date 15.10.2022  | LONG PENDING  |
| 3                      | Fine Mechanical Screen auto system   | No level sensor were present around fine mechanical screen.<br>When UPJN & PE team reached site, we found conveyor belt in still condition and by seeing the belt condition, it has been observed that KRMPL is not running the belt regularly as per requirement. Upon asking by PE team, KRMPL started running the belt.<br>Also no operator/ manpower was present on PTU during visit. |  | 1) Level sensor must be installed at earliest.<br>2) Fine screen must be automated at earliest.  |  | Since handover 11-10-2019                 | 28.02.2021 / New date 30.10.2022 | LONG PENDING  |
| 4                      | Belt Conveyor  |   |  | 1) Belt conveyor needs to be operated regularly.<br>2) Required Operator/ manpower must be present on PTU for regular operation.   |  | 07.03.2022                                |                                  |   |
| 5                      | PTU On site Panel  | 1) Some of the indicators not working.  |  | 1) Non working indicators should be replaced.  |  | 27.10.2021                                |                                  | LONG PENDING  |
| 6                      | Manual screen  | Operational   |  |  |  |   |                                  |   |
| 7                      | Grit chamber-1<br>1) ORP-2/Scrapper/detritor mechanism<br>2) Rack Classifier Mechanism | Operational<br>It has been observed that torque meter is not available on detritor mechanism which is essential for knowing the equipment performance.<br>Indicator and push button not working   |  | 1) Canopy must be provide on every motors.<br>2) Torque meter needs to be provided on detritor mechanism.<br>3) Non working indicators and push button need to be replaced.  |  | 31.07.2021<br>31.08.2022<br>3) 12.07.2022 | 30.09.2022                       | Long Pending  |
| 8                      | Grit chamber-2<br>1) ORP-2/Scrapper/detritor mechanism<br>2) Rack Classifier Mechanism | Operational<br>It has been observed that torque meter is not available on detritor mechanism which is essential for knowing the equipment performance.<br>Indicator and push button not working   |  | 1) Classifier alignment need to be rectified.<br>2) Canopy must be provide on every motors.<br>3) Torque meter needs to be provided on detritor mechanism.<br>4) Non working indicators and push button need to be replaced. |  | 31.07.2021<br>31.08.2022<br>4) 12.07.2022 | 30.09.2022                       | Long Pending  |


|                                       |  |   |   |  |  |   |  |   |
|---------------------------------------|--|---|---|--|--|---|--|---|
| 9                                     | Grit Disposal                              | No spare trolley was found at site because of which some grits are found on the floor below chutes.   |    | Spare trolley must be provided in case of shifting/ removing grit.   |  | 11.01.2022                                    |  | Pending   |
| 10                                    | Parshall Flume                             | No ultrasonic level sensor was found at site. Also, the float scale is not readable.  |   |  |  | 1) Since handover 11-10-2019<br>2) 11.01.2022 | 15.09.2022   | As per Article 8.8 (a), this has to be provided by the concessionaire<br>False information was provided in KRMPL letter no. 036 dated 06.07.2022 regarding compliance to PE inspection. |
| 11                                    | PST 1                                      | Non operational<br>It has been observed that torque meter is not available on the mechanism which is essential for knowing the equipment performance.<br>Uniform flow was not observed through Weir notch                                       |   | 1) Vibration check on regular basis through vibration meter and lubrication to be done on regular basis for PST-1.<br>2) Torque meter needs to be provided.<br>3) Weir plate needs to be levelled.   |  | 1) 27-10-2021<br>2) 08.06.2022                | 1) 31.01.2022 /<br>31.05.2022<br>New Date 31.07.2022/Again 30.09.2022                          |   |
| 12                                    | PST 2                                      | Operational<br>Local push buttons was found not working. It has been observed that torque meter is not available on the mechanism which is essential for knowing the equipment performance.<br>Uniform flow was not observed through Weir notch |   | 1) Need to be rectified at the earliest.<br>2) Local push buttons must be rectified at the earliest.<br>3) Vibration check on regular basis through vibration meter and lubrication to be done on regular basis for PST-2.<br>4) Torque meter needs to be provided.<br>5) Weir plate needs to be levelled. | 17.08.2022 - 27-10-2021<br>3) 08.06.2022 |   | 1) 31.01.2022<br>2) 15.01.2022/<br>31.05.2022<br>New Date 31.07.2022/Again New date 30.09.2022 | LONG PENDING  |
| 13                                    | Primary sludge pump no. 1                  | Operational   |   |  |  |   |  |   |
| 14                                    | Primary sludge pump no. 2                  | Non-Operational   |   | Need to be rectified at earliest.  |  | 20.09.2022                                    |  | Pending   |
| D AERATION TANK                       |  |   |   |  |  |   |  |   |
| 1                                     | Aerator no 1                               | Operational   |   | Vibration to be checked on regular basis by vibration meter and lubrication needs to be done on regular basis for each aerator.  | 21.09.2021                               |   | 31.05.2022<br>New Date 30.07.2022/Again new date 30.09.2022                                    | LONG PENDING  |
| 2                                     | Aerator no 2                               | Operational   |   | Vibration to be checked on regular basis by vibration meter and lubrication needs to be done on regular basis for each aerator.  | 21.09.2021                               |   | 31.05.2022<br>New Date 30.07.2022/Again new date 30.09.2022                                    | LONG PENDING  |
| 3                                     | Aerator no 3                               | Operational<br>After 1 month of non operational from 06.03.2022, it was made operational on 13.04.2022  |    | Vibration to be checked on regular basis by vibration meter and lubrication needs to be done on regular basis for each aerator.  | 31.07.2021                               |   | 31.05.2022<br>New Date 30.07.2022/Again new date 30.09.2022                                    | LONG PENDING  |
| 4                                     | Aerator no 4                               | Operational   |   | Vibration to be checked on regular basis by vibration meter and lubrication needs to be done on regular basis for each aerator.  | 31.07.2021                               |   | 31.05.2022<br>New Date 30.07.2022/Again new date 30.09.2022                                    | LONG PENDING  |
| 5                                     | Aerator no 5                               | Operational<br>Made operational on 13.01.2022   |   | Vibration to be checked on regular basis by vibration meter and lubrication needs to be done on regular basis for each aerator.  | 1) 08.02.2021<br>2) 31.07.2021           |   | 31.05.2022<br>New Date 30.07.2022/Again new date 30.09.2022                                    | LONG PENDING  |
| 6                                     | Aerator no 6                               | Operational   |   | Vibration to be checked on regular basis by vibration meter and lubrication needs to be done on regular basis for each aerator.  | 31.07.2021                               |   | 31.05.2022<br>New Date 30.07.2022/Again new date 30.09.2022                                    | LONG PENDING  |
| 7                                     | Aerator no 7                               | Operational<br>After operating 2nd stream from 18.10.2021 for around 1.5 months, KRMPL again shut down 2nd stream from 06.12.2021.  |    | Vibration to be checked on regular basis by vibration meter and lubrication needs to be done on regular basis for each aerator.  | 31.07.2021                               |   | 31.05.2022<br>New Date 30.07.2022/Again new date 30.09.2022                                    | KRMPL is operating only one stream but no labour force has been deployed for Schedule maintenance works.  |
| 8                                     | Aerator no 8                               | Operational<br>After operating 2nd stream from 18.10.2021 for around 1.5 months, KRMPL again shut down 2nd stream from 06.12.2021.  |   | Vibration to be checked on regular basis by vibration meter and lubrication needs to be done on regular basis for each aerator.  | 31.07.2021                               |   | 31.05.2022<br>New Date 30.07.2022/Again new date 30.09.2022                                    |   |
| 9                                     | Aerator no 9                               | Operational<br>After operating 2nd stream from 18.10.2021 for around 1.5 months, KRMPL again shut down 2nd stream from 06.12.2021.  |   | Vibration to be checked on regular basis by vibration meter and lubrication needs to be done on regular basis for each aerator.  | 31.07.2021                               |   | 31.05.2022<br>New Date 30.07.2022/Again new date 30.09.2022                                    |   |
| 10                                    | Aerator no 10                              | Operational<br>Made operational on 19.02.2022   |   | Vibration to be checked on regular basis by vibration meter and lubrication needs to be done on regular basis for each aerator.  | 31.07.2021                               |   | 31.05.2022<br>New Date 30.07.2022/Again new date 30.09.2022                                    |   |
| 11                                    | Aerator no 11                              | Operational<br>After operating 2nd stream from 18.10.2021 for around 1.5 months, KRMPL again shut down 2nd stream from 06.12.2021.  |   | Vibration to be checked on regular basis by vibration meter and lubrication needs to be done on regular basis for each aerator.  | 18.11.2021                               |   | 31.05.2022<br>New Date 30.07.2022/Again new date 30.09.2022                                    |   |
| 12                                    | Aerator no 12                              | Operational<br>After operating 2nd stream from 18.10.2021 for around 1.5 months, KRMPL again shut down 2nd stream from 06.12.2021.  |   | Vibration to be checked on regular basis by vibration meter and lubrication needs to be done on regular basis for each aerator.  | 31.07.2021                               |   | 31.05.2022<br>New Date 30.07.2022/Again new date 30.09.2022                                    |   |
| 13                                    | Aerators on-site push button and indicator | Some of aerator's onsite indicators were not found working  |   | Aerators indicators needs to be rectified/ replaced.   |  | 07.03.2022                                    | 15.05.2022<br>New Date 31.08.2022  | LONG PENDING  |
| E Secondary Sedimentation Tank System |  |   |   |  |  |   |  |   |
| 1                                     | SST 1                                      | Operational   |  | Weir plate needs to be cleaned and levelled.   |  | 12.07.2022                                    | Pending  | LONG PENDING  |
| 2                                     | SST 2                                      | Operational   |   | Weir plate needs to be cleaned and levelled.   |  | 12.07.2022                                    | Pending  | LONG PENDING  |

|                     |                                    |  |   |   |  |                          |   |   |
|---------------------|------------------------------------|--|---|---|--|--------------------------|---|---|
| 3                   | Return sludge pump 1               | Non Operational  |    | Needs to be repaired at the earliest.   |  | 13.10.2022               | Pending   | Pending   |
| 4                   | Return sludge pump 2               | Operational  |   | Some of the non working indicators needs to be replaced.  |  | 10.05.2022               |   |   |
| 5                   | Return sludge pump 3               | Operational  |   |   |  | 19.09.2022               | Pending   | Pending   |
| F CHLORINATION AREA |                                    |  |   |   |  |                          |   |   |
| 1                   | Chlorine Tonners(Total Qty=06 Nos) | Operational<br>(During inspection only 02 tonners were filled & actual Weight is 1808 Kg)  |    | 1) KRMPPL must check and replace defective tonners and needs to make the documents available at Chlorination room.<br>2) Pressure gauge in tonner room must be replaced at earliest.<br>3) Non-working indoor lights must be replaced.<br>4) Experienced and permanent operator must be deployed for chlorination unit.<br>5) KRMPPL must ensure no chlorine leakage from the tonner and chlorination system.<br>6) Tonners found in corroded condition at site. KRMPPL need to be done painting work ASAP. |  | 20.09.2022               | 30.09.2022 & 15.10.2022   | Pending   |
| 2                   | Booster Pump no. 1 & 2             | Operational  |   | 1)Leakage from gate valve & through its internal gland must be fixed at earliest.   |  | 21.09.2021               |   | LONG PENDING  |
| 3                   | Chlorination Leak detection device | Non-Operational<br>During visit, cylinder was changed and there was leakage of chlorine but leak detecting device sensor doesn't sensed chlorine. It shows that leak detecting device is not working.  |    | Leakage detection device should be rectified and get it checked by UPJN PE  |  | 31.07.2021               | 15.09.2022/ New date 15.10.2022                                       | LONG PENDING  |
| 4                   | Safety shower                      | Operational  |   |   |  |                          |   |   |
| G Sludge system     |                                    |  |   |   |  |                          |   |   |
| 1                   | Sludge thickeners 1                | Operational<br>1) When UPJN & PE team reached site, it was found that only dilution pumps is being operated and no sludge from PST or SST was found being pumped.<br>2) Non-Uniform flow was observed from weir plate.<br>3) Also, at various points weir plate was found damaged & chocked.<br>4) No record of dilution water intake to thickeners was found at site.   |   | 1) Sludge thickener must be operated regularly, processing needs to be optimised. Also experienced operator must be deployed.<br>2) Weir plate must be properly levelled and cleaned.<br>3) Damaged & chocked weir plates must be cleaned and rectified.<br>4) Dilution water intake & supernatant overflow record need to be maintained.<br>5) TSS test of supernatant overflowing thickener needs to be conducted and recorded.   |  | 03.03.2021               |   | Pending   |
| 2                   | Sludge thickeners 2                | Operational<br>1) When UPJN & PE team reached site, it was found that only dilution pumps is being operated and no sludge from PST or SST was found being pumped.<br>2) Non-Uniform flow was observed from weir plate.<br>3) No record of dilution water intake to thickeners was found at site.<br>4) During inspection, thickened sludge pump was found full of sludge because of non-operation of thickened sludge pumps. |   | 1) Sludge thickener must be operated regularly, processing needs to be optimised. Also experienced operator must be deployed.<br>2) Weir plate must be properly levelled and cleaned.<br>3) Dilution water intake & supernatant overflow record need to be maintained.<br>4) TSS test of supernatant overflowing thickener needs to be conducted and recorded.<br>5) Thickened sludge pumps needs to be overhauled and operated so that sludge build up in the thickened sludge sump may not take place.    |  | 11.01.2022               |   | Pending   |
| 3                   | Thickened sludge pump 1            | Operational  |   |   |  |                          |   |   |
| 4                   | Thickened sludge pump 2            | Operational  |   |   |  |                          |   |   |
| 5                   | Sludge digester-01                 | Operational  |   |   |  |                          |   |   |
| 6                   | Sludge digester-02                 | Operational<br>KRMPPL submitted Volgas inspection report for the inspection of the digester done on 07.03.2022 on which PE has given condition clearance to charge sludge into Digester no. 2 only after complying the conditions mentioned in STC letter no. 1508 dated 01.04.2022. KRMPPL has charged the digester without complying STC letter no. 1526.  |  | In the meeting dated 11.04.2022, ED (T) NMCG instructed KRMPPL that it is the duty of KRMPPL to get every rectification work witnessed by PE & UPJN and the issues raised by UPJN & PE must be complied.  |  | 11.04.2022<br>01.08.2020 |   |   |
| 7                   | Flow Meter for Bio gas.            | Non-Operational  |  | Must be rectified at the earliest   |  | 18.11.2021               | 28.02.2022 /<br>31.07.2022<br>New Date 31.08.2022/New Date 31.10.2022 | LONG PENDING<br>Again new date i.e, 31.08.2022 is proposed by KRMPPL vide KRMPPL Letter no. 036 dated 05.07.2022. |

|    |  |  |   |  |                                   |                                   |                                |   |
|----|--|--|---|--|-----------------------------------|-----------------------------------|--------------------------------|---|
| 8  | Gas engine -1                                      | Operational  |    |  |                                   |                                   |                                |   |
| 9  | Gas engine -2                                      | Operational  |   |  |                                   |                                   |                                |   |
| 10 | Gas engine -3                                      | Non Operational  |   |  | Need to be rectified at earliest. | 15.04.2022                        | 31-08-2022/New Date 31.09.2022 | Long Pending  |
| 11 | Gas Scrubbers                                      | Operational  |   |  |                                   |                                   |                                |   |
| 12 | Bio gas blower 1 & 2                               | Operational  |   |  |                                   |                                   |                                |   |
| 13 | Pressure & Temperature Gauges inside Scrubber room | Various pressure & temperature gauges were found not working   |   | Pressure & temperature gauges needs to be replaced   | 07.03.2022                        | 31.05.2022<br>New Date 31.07.2022 |                                | Long Pending  |
| 14 | Sludge drying bed 1                                | Empty  |    | 1.Beds are required to be emptied periodically and Sludge to be disposed on regular basis.<br>2. Do the house keeping works on regular basis |                                   | 23.02.2021                        |                                | LONG PENDING  |
| 15 | Sludge drying bed 2                                | Empty  |   |  |                                   | 04.01.2022                        |                                | LONG PENDING  |
| 16 | Sludge drying bed 3                                | Filled with Sludge since 05.10.2022  |    | 1.Beds are required to be emptied periodically and Sludge to be disposed on regular basis.<br>2. Do the house keeping works on regular basis |                                   | 06.10.2022                        |                                | No record of disposal of sludge was found in the register.  |
| 17 | Sludge drying bed 4                                | Empty.<br>This bed was filled with sludge since 23.02.2021 and found empty / cleaned during UPJN & PE visit on 08.06.2022 but no record of cleaning was found in the log book.<br>This bed was found cleaned on 08.06.2022 but in the register, it is written that this bed was cleaned after 08.06.2022 which clearly shows that KRMPIL is manipulating the records.<br>Also by seeing the record, it is observed that the records for whole month is prepared on a single day. |   |  |                                   | 12.07.2022                        |                                | This bed was found cleaned on 08.06.2022 but in the register, it is written that this bed was cleaned after 08.06.2022 which clearly shows that KRMPIL is manipulating the records. |
| 18 | Sludge drying bed 5                                | Empty.<br>After approx 4 months since 12.02.2022, the sludge cleaning work started from 03.06.2022 and cleaning work was completed on 08.06.2022.  |   |  |                                   |                                   |                                |   |
| 19 | Sludge drying bed 6                                | Cleaning work in progress since 01.04.2022 but no work done after 12.04.2022   |   | Beds are required to be emptied periodically and Sludge to be disposed on regular basis  |                                   | 11.04.2022                        |                                | Pending   |
| 20 | Sludge drying bed 7                                | Empty  |  | 1.Beds are required to be emptied periodically and Sludge to be disposed on regular basis.<br>2. Do the house keeping works on regular basis |                                   | 06.10.2022                        |                                | LONG PENDING  |
| 21 | Sludge drying bed 8                                | Empty  |   |  |                                   |                                   |                                |   |
| 22 | Sludge drying bed 9                                | Empty  |   |  |                                   |                                   |                                |   |
| 23 | Sludge drying bed 10                               | Empty.   |   |  |                                   |                                   |                                |   |
| 24 | Sludge drying bed 11                               | Filled with Sludge   |  | 1.Beds are required to be emptied periodically and Sludge to be disposed on regular basis.   |                                   | 13.07.2022                        |                                |   |
| 25 | Sludge drying bed 12                               | Filled with Sludge   |   |  |                                   |                                   |                                |   |
| 26 | Sludge drying bed 13                               | Filled with Sludge   |   |  |                                   |                                   |                                |   |
| 27 | Sludge drying bed 14                               | Filled with Sludge   |   |  |                                   |                                   |                                |   |



|                                      |   |   |   |  |                              |  |  |  |
|--------------------------------------|---|---|---|--|------------------------------|--|--|--|
| 28                                   | Sludge drying bed 15                                | Filled with Sludge  |    | 2. Do the house keeping works on regular basis   |                              |  |  |  |
| 29                                   | Sludge drying bed 16                                | Filled with Sludge  |   |  |                              |  |  | LONG PENDING   |
| 30                                   | Sludge drying bed 17                                | Filled with Sludge  |   |  |                              |  |  | LONG PENDING   |
| 31                                   | Sludge drying bed 18                                | Filled with sludge  |   |  |                              |  |  | LONG PENDING   |
| 32                                   | Sludge disposal from digester to Sludge drying bed. |   |   | Sludge disposal needs to be done regularly as per the requirement to stabilize the processing and false record keeping needs to be stopped.  |                              |  |  |  |
| 33                                   | Sludge drying bed                                   | Leakage found around sludge drying bed  |   | 1) RCC Slab must be provided on all chambers.  | 29.10.2021                   | 15.06.2022<br>New date 31.08.2022/New date 31.10.2022  |  | Pending  |
| 34                                   | Tubewell pump 1                                     | Operational   |    | 1.The bolt needs to be fixed.<br>2.Lubrication needs to be done on a regular basis   | 15.10.2022                   |  |  | Pending  |
| 35                                   | Dilution water submersible pump-1                   | Operational   |   |  |                              |  |  |  |
| 36                                   | Dilution water submersible pump- 2                  | Operational   |   |  |                              |  |  |  |
| 37                                   | Filtration pump no. 1                               | Operational   |   |  |                              |  |  |  |
| 38                                   | Filtration pump no. 2                               | Non-Operational   |   | Needs to be rectified.   | 08.07.2022                   | 15.09.2022 still pending   |  |  |
| Miscellaneous                        |   |   |   |  |                              |  |  |  |
| Other issues experienced at the site |   | KRMPL informed that in the chamber of wet well pump dead pigs are being thrown by the near by people. These dead pigs ultimately find their way to the screen chamber which contaminates the water as well as cause choking. Therefore all the open chambers accessible to the public should be closed as soon as possible.   | <div>External issue experienced at the site</div> <div><div>Pigs being disposed of by residents in the open chamber.</div><div>Dead pigs get accumulated in the chamber.</div></div>  | 1.The open chamber must be closed.<br>2.Dead pigs need to be removed from the screen chamber.  | 15.10.2022                   |  |  | Pending  |
|                                      |   |   |   |  |                              |  |  |  |
| 1                                    | Motor Canopy  | STC found that no canopies were present on the motors of equipments   |   | Fix canopy to each motors of equipments.   | 27.10.2021                   | 31.01.2022/<br>30.05.2022<br>New Date 31.07.2022/New date 30.09.2022   |  | Long Pending   |
| 2                                    | Outdoor lighting                                    | When STC team visited site, it was found that various outdoor lights were not working. Apart from this, all light poles are rusted and LCS box non-operational.   |   | 1) Needs to be replaced at the earliest.<br>2) All light poles need to be painted.<br>3) All non-working LCS box must be fixed.<br>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.  | 27.10.2021 (since long back) | 30.06.2022<br>New Date 15.07.2022/ New date 15.09.2022   |  | Long Pending   |
| 3                                    | Laboratory  | working   |   | 2) Separate fridge for storing composite samples needs to be provided to achieve required temperature of 4° C.<br>3) Laboratory testings needs to be done correctly by following right procedure.<br>4) Soxhlet apparatus must be rectified at the earliest.<br>5) List of equipment working/ not working must be maintained properly and for all equipments.<br>6) All lab equipments must be calibrated and the calibration report needs to submitted to UPJN & PE for review.<br>7) The measurement of residual D.O in aeration basins using portable D.O meter has to be done in-situ in the tank only.<br>8) A piping system must be connected to exhaust of laminar air flow cabinet and must be discharged outside laboratory room/ building. | 20.09.2022                   | 28.02.2022 /<br>New date given 31.08.2022/ Again new date 31.10.2022 vide KRMPL Letter No.104 dated 07.09.2022/New date 15.10.2022 |  | Pending  |
| 4                                    | Log Books & Register                                | 1) No log book of dilution water, supernatant overflow from thickeners etc, filtration pump operation etc found at site.<br>2) When UPJN & PE visited on 12.07.2022, no entry of Gas engines was found in the register after 28.08.2022 and minutes after the visit, fabricated entry was written in the logbook by the operator.<br>3) No record of bio gas generation was found at site.<br>4) Sludge drying bed no. 3 was found cleaned on 12.07.2022 but no record was available in the register. Sludge drying bed no. 4 was found |   | 1) Log Books and registers must be maintained and remain available for all units and KRMPL needs to stop providing false and misleading records.<br>2) Maintenance register must be filled properly.   | 12.07.2022                   | 15.09.2022   |  | Maintenance register proper filling suggestions had already been given to KRMPL site incharge. |

|   |                          |  |   |   |  |            |            |   |
|---|--------------------------|--|---|---|--|------------|------------|---|
| 5 | House Keeping works      | At various locations inside the plant, no housekeeping work was found. |  | <p>1) House keeping work at all locations inside the plant has to be done for which deployment of mangroves needs to be done.</p> <p>2) Do the house keeping works on regular basis</p> |  | 27.10.2021 |            | LONG PENDING  |
| 6 | Equipments Numbering     | Still equipment numbering at various places are pending.               |   | Numbering must be provided in bold letters to all the equipments so that it could be seen easily and there should not remain any confusion about which item is no. 1 & which is no. 2   |  | 27.10.2021 | 31.01.2022 | LONG PENDING<br>Not done completely and it should be done properly. |
| 7 | Damaged civil structures | It has been observed that floor near over head tank is damage          |  | Needs to be restored.   |  | 12.07.2022 | 15.09.2022 | LONG PENDING  |
| 8 | Gas Holders              |  |   | Level scale must be provided properly showing capacity of gas at various levels.  |  | 08.02.2022 |            | LONG PENDING  |

*P. G. G. G. G.*