






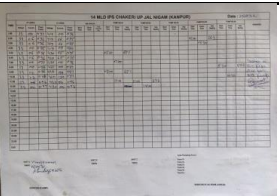
















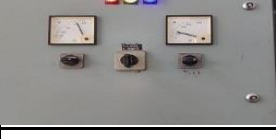







| SITE INSPECTION REPORT FOR 14 MLD IPS Chakeri & 14 MLD IPS Sanigawan_ Sajari IPS | | | | | SAJARI all IPS | | Date: 15/10/2022 | INSPECTED BY: UPJN Team: Mr. Ajit Singh (J.E, Civil) STC Team: Mr. Ajay Kumar Goyal (Support Engg. Mech) KRMP Team: Mr. U.N. Tiwari (Electrical Engg.) | |
|--|--|---|---|--|-------------------------------------|---------------------------------|---|---|--|
| S. No. | Equipment | Assessment of Current Condition | Assessment of Current Condition photo | Corrective Action Required | Corrective Action Completed by KRMP | Original Date of Issue | Proposed Date to Resolve by KRMP | Current Status of Compliance | |
| 14 MLD IPS Chakeri | | | | | | | | | |
| 1 | Mechanical Coarse screen 1 | Non-Operational This screen was found non-operational during UPJN & PE site visit but its entry was not found in the log book which implies that KRMP is not maintaining the log book properly | | Needs to be rectified at the earliest. Log books needs to be maintained properly. | | 29-07-2022 | | | |
| 2 | Mechanical Coarse screen 2 | Operational |  | | | 21.03.2022 | | | |
| 3 | Mechanical Coarse Screen On site Panel | Operational. After around 3 months since 20.10.2021, indicators and glass was provided on 27.01.2022. |  | | | | | | |
| 4 | Mechanical Screen Automation System | 1) Automation system is not available. 2) Cable tray & MS structures rusted 3) Level transmitter was not available inside Collection tank. |  | 1) Auto system is required to be installed and made functional 2) Cable tray & MS structures rusted, Painting required. 3) Level sensor inside collection tank must be installed. | | Since handover dated 11-10-2019 | Painting of cable tray and structure by 30/11/21 New Date 31.08.2022 | Long Pending | |
| 5 | Inlet Sluice Gate | Operational |  | 1) Stem guide of sluice gate is not fixed properly. Rectify it. 2) Sluice Gate shutter should be fixed properly. 3) Stem of sluice gates are found in bend condition. Rectify it. 4) Accumulated Sludge in the inlet chamber must be removed at the earliest. | | 20.10.2021 | 30.11.2021 | Long Pending False information is indicated in KRMP letter no.O&M 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE. | |
| 6 | Conveyor Belt Discharge Trolley | Operational. After around 1 yr and 7 months since 13.07.2020, trolley for shifting screenings is now provided. 1) Canopy on Motor is not available. |  | Canopy must be provided at earliest. | | 26.02.2022 | 31.07.2022 | Pending | |
| 7 | Manual Screen | Operational |  | Remove the sludge deposited around manual screen | | 20.10.2021 | | Long Pending False information is indicated in KRMP letter no.O&M 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE. | |
| 8 | Sluice Gate | | | | | | | | |
| 9 | Pumps no. 1 | Operational After around 5 months of non-operational since Aug. 2021, pump no.1 has been made operational on 09.01.2022 1) Leakage has been observed from DI Pipe line. | | Leakage must be rectified at the earliest. | | 24.05.2022 | 31.08.2022 | Pending | |
| 10 | Pumps no. 2 | Operational After around 4 months since 20.10.2021, starter system is now functional. 1) Leakage has been observed from DI Pipe line. | | Leakage must be rectified at the earliest. | | 24.05.2022 | 31.08.2022 | Pending | |
| 11 | Pumps no. 3 | Non Operational 1) Starter system not working. |  | 1) Must be rectified at the earliest. 2) On site starter system not working. Repair at the earliest. | | 20.10.2021 | 15.12.2021 15.08.2022 | Long Pending | |
| 12 | Pumps no. 4 | Operational 1) Leakage has been observed from DI Pipe line. | | Leakage must be rectified at the earliest. | | 20-10-2021 24.05.2022 | 31.08.2022 | Pending | |
| 13 | Pumps no. 5 | Operational 1) Leakage has been observed from DI Pipe line. | | Leakage must be rectified at the earliest. | | 29.07.2022 | | | |

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|----|-----------------------------|---|---|---|--|---|--------------------------------------|---|
| 14 | Pump Operation | |  | 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. | | | | |
| 15 | DI Header line from Pumps | It has been continuously observed that there is leakage from DI pipes coming out of the pumps and the leakages have not been rectified yet. In the recent visit on 29.07.2022, leakage from 4 DI pipe line coming from pumps, was observed. | | Leakage from the DI pipe lines must be rectified at the earliest without any delay. | | 24.05.2022 | | Pending |
| 16 | Pump On Site Starter Panel | 1) 1 out of 5, starter panel were non functional. 2) Cable dressing is not proper. |  | 1) Starter system to be repaired at the earliest. 2) Cable dressing needs to be done. | | 20.10.2021 | 11/30/2021 New Date 31.08.2022 | Long Pending |
| 17 | Pressure Gauges | Operational! After around 2.5 years since 11.10.2019, Pressure Gauges is now functional but showing different pressure readings for same capacity pumps. |  | Calibration certificate needs to be submitted at the earliest. | | 27.04.2022 Since handover dated 11-10-2019 | New Date 10.07.2022 | Long Pending |
| 18 | Manually Operated Crane | Operational | | Lubrication needs to be done on regular basis | | | | |
| 19 | Electro-Magnetic Flow Meter | Non Operational |  | 1) Need to be repaired/ replace at earliest. 2) Calibration certificated to be submitted at earliest. | | 13.07.2020 | 31.08.2022 | Long Pending |
| 20 | LT Panel | After around 9 months since 20.10.2021, Voltmeter, Indicators & ammeters are replaced on 19.07.2022. |  | | | | | |
| 21 | Outdoor lights | Operational. Outdoor Lights which were not working since long back before 20.10.2021, are finally rectified on 20.06.2022 |  | | | | | |
| 22 | Indoor lighting | Some of Indoor lights are not working. | | Need to be replaced. | | 24.05.2022 | | |
| 23 | DG Set | Operational. After 17 months of non-operational since 13.07.2020, it is now made operational. 1) Doors damaged and the inner parts of the acoustic hood was found totally damaged. |  | 1) Damaged gates and the inner acoustic hood must be fixed/ replaced. 2) Exhaust pipe must be fixed to the height above than the height of nearest building | | 14.12.2021 | 31.07.2022 | Long Pending |
| 24 | Transformer | | | | | | | |
| 25 | Miscellaneous | | | | | | | |
| a) | Water logging | | | | | | | |
| b) | Painting | Checker plate of MS structure is not painted properly yet. |  | Need to be painted properly. | | 13.07.2020 | 15.12.2021 | Long Pending False information is indicated in KRML letter no.O&M 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE. |
| 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, properly and should be available at site all the time. | | | | |
| d) | Fire Extinguisher | Operational | | | | | | |
| e) | Safety | | | Workers should have to be in proper PPEs | | | | |
| f) | House keeping | | | House keeping work must be done on regular basis | | 24.05.2022 | | |

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| g) | Manpower | STC team found that 1) No security Guard was available. 2) Only one helper was found available instead of 3 for 3 shift. Pump operators are not technical qualified & have no relevant experience. | | 1) Deploy sufficient nos. of security guard, helper etc for day to day work. 2) Deploy sufficient & technical qualified nos. of operator. | 20.10.2021 | | Long Pending False information is indicated in KRMLPL letter no.0&M 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE. |
| h) | Sump collection tank | Various seepage were found inside sump collection tank |  | Must be restored at the earliest | 18.11.2021 | 31.07.2022 | Long Pending |
| i) | Materials / Instruments | It has been observed that the multimeter was not available at site but still KRMLPL is mentioning the ampear reading in log books. The information is false and misleading. | | Multimeter etc necessary materials/ instruments needs to be made available at site. | 27.04.2022 | | False information is indicated in KRMLPL letter no.0&M 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE. |
| j) | Numbering Equipments | Numbering needs to be done properly. | | Each equipments of every units must be numbered / marked (like 1st, 2nd etc) in bold letters so that it could be seen easily. | 14.12.2021 | | Pending. False information is indicated in KRMLPL letter no.0&M 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE. |
| 14 MLD IPS Sanigawan | | | | | | | |
| 1 | Mechanical Coarse screen 1 | Operational Rake teeth was found not properly aligned and uneven gap was found between rake teeth and plate/ screen bar. | | Rake must be aligned properly at the earliest. | 29.07.2022 | | |
| 2 | Mechanical Coarse screen 2 | Non operational |  | Needs to be rectified at the earliest. | 29.09.2022 | | Pending |
| 3 | Mechanical Screen Automation System | 1) Automation system is not available. 2) Level transmitter was not available inside Collection tank. |  | 1) Auto system is required to be installed and made functional. 2) Level sensor inside collection tank must be installed. | Since handover dated 11-10-2019 | Auto system 28/02/22 New Date 31.08.2022 | Long Pending |
| 4 | Belt Conveyor | Operational Canopy not available. | | Canopy must be provided at earliest. | 31.03.2022 | 31.07.2022 | Pending |
| 5 | Mechanical Coarse Screen On site Panel | Some of the indicators which were not working is finally rectified on 18.02.2022 | | | | | |
| 6 | Belt Conveyor trolley | Operational (Provided) After around 1 yr and 7 months since 13.07.2020, trolley for shifting screenings is now provided. | | | | | |
| 7 | Reverse flow | Reverse flow was observed and no free fall was found inside collection tank. In almost every inspection carried by UPJN & PE, no free fall was being observed. |  | 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. | 14.12.2021 | | |
| 8 | Pump no. 1 | Non-Operational 1) Leakage has been observed from DI Pipe line. | | 1)Leakage needs to be rectified at the earliest. 2)Needs to be rectified at the earliest. | 24.06.2022 26.07.2022 30.09.2022 | | |
| 9 | Pump no. 2 | Operational 1) After around 2 month of non-operational since 26.04.2022, it was made operational on 20.06.2022. 2) Leakage has been observed from DI Pipe line. | | Leakage needs to be rectified at the earliest. | 24-06-2022 30.09.2022 | | |
| 10 | Pump no. 3 | Operational Leakage found from DI pipe line from Submersible pump to common header. |  | Leakage needs to be rectified at the earliest. | 27.04.2022 | 31.08.2022 | Long Pending |
| 11 | Pump no. 4 | Operational After around 1 month of non-operational since 30.03.2022, it was made operational on 26.04.2022. | | | | | |
| 12 | Pump no. 5 | Non-Operational On site starter not working. | | 1) Needs to be rectified at the earliest. 2) Starter must be rectified at the earliest. | 20.01.2022 14.12.2021 | 31.0.2022 | Pending |
| 13 | Pressure Gauges | All 5 pressure gauges are not showing any readings & are non-functional. | | Need to be replaced and calibration report needs to be submitted. | 20.10.2021 | 11/30/2021 New Date 10.07.2022 | Long Pending |
| 14 | Gate Valve | | | | | | |

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| 15 | Electro-Magnetic Flow Meter | Operational When UPJN & PE visited the site on 24.05.2022, heavy fluctuation and also negative results have been observed at site. |  | Needs to be rectified at the earliest. | | 13.07.2020 | | Long Pending |
| 16 | DG Set | Operational. DG was made operational on 08.01.2022. |  | Exhaust pipe must be fixed to the height above than the height of nearest building | | 01.08.2021 | Exhaust pipe height raising by 31/12/21 New Date 31.07.2022 | Long Pending |
| 17 | HT Panel | Operational Ammeter is not working |  | Replace it at earliest. | | 20.10.2021 | 11/30/2021 New date 30.07.2022 | Long Pending |
| | | Non Operational HT Panel Outgoing no. 1 is not working |  | Repair it at earliest | | 20.10.2021 | 10.02.2022 New date 31.08.2022 | Long Pending |
| 18 | LT Panel | Operational Some of the Ammeter which were not working is finally rectified on 18.06.2022 |  | | | 24.06.2022 | | |
| 19 | Transformer | Operational | | | | | | |
| 20 | Switch board | | | | | | | |
| 21 | Outdoor lights | Operational. Outdoor Lights which were not working since long back before 20.10.2021, are finally rectified on 20.06.2022 |  | | | 24.06.2022 | | |
| | | |  | | 20.06.2022 | 24.06.2022 | | |
| 22 | Indoor lighting | Some of the indoor lights were replaced and some indoor lights still not working which needs to be replaced. |  | Indoor lights needs to be replaced. | | 20.10.2021 | | Pending False information is indicated in KRMLPL letter no.O&M 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE. |
| 23 | Bore well pump | Temporary arrangement of bore well pump is provided at site on 05.01.2022. |  | 1) Install Permanent pump of desired specs. as was available previously at the earliest. 2) Also it should be connected to the existing piping system | | Since Aug. 2021 approx. (as per operator) | | Long Pending False information is indicated in KRMLPL letter no.O&M 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE. |
| 24 | Miscellaneous | | | | | | | |
| a) | Fire Safety | | | | | | | |
| 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 and should be available at site all the time. | | | | |
| c) | Rubber Matt | | | | | | | |

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|----|-----------------------------------|---|---|---|------------|--------------------------------------|---|
| d) | Checker Plate | Checker plate missing. |  | Provide checker plate at earliest. | 13.07.2020 | 11/30/2021 New date 31.07.2022 | Pending |
| e) | Cable Trench | | | | | | |
| f) | Dewatering | | | | | | |
| g) | Painting | Various MS structures, Checker plates & Gates were found rusted. Some of the items were painted but not properly which needs to be painted properly. |  | Painting must be done on checker plates and MS structure properly as per standard procedure at the earliest. | 20.10.2021 | 15.12.2021 | Long Pending False information is indicated in KRML letter no.OAM 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE. |
| h) | House keeping | | | House keeping work must be done on regular basis. | | | |
| i) | Main Meter | | | | | | |
| j) | Numbering Equipments | Numbering needs to be done properly. | | Each equipments of every units must be numbered/ marked (like 1st, 2nd etc) in bold letters so that it could be seen easily. | 14.12.2021 | | Pending False information is indicated in KRML letter no.OAM 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE. |
| k) | Manpower | STC team found that 1) No security Guard was available. 2.) No Sweeper was available. 2) Only one helper was found available instead of 3 for 3 shift. 3) Pump operators are not technical qualified & have no relevant experience. |  | 1) Deploy sufficient nos. of security guard, helper etc for day to day work. 2) Deploy sufficient & technical qualified nos. of operator. | 20.10.2021 | | Pending False information is indicated in KRML letter no.OAM 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE. |
| | Sludge Disposal Site at Sanigawan | When UPJN & PE visited sludge dumping site, negligible sludge was found at site which means instead of dumping sludge at designated site, KRML is keeping/dumping sludge inside the plant. Apart from this, still UPPCB norms are not been followed by KRML at sludge dumping sites. |  | 1) Sludge needs to be dumped at the designated site on regular basis instead of dumping at plant. 2) UPPCB norms needs to be followed at the sludge dumping locations. | 24.05.2022 | | False information is indicated in KRML letter no.OAM 036 dated 05.07.2022 for compliance to inspection carried out on 28.05.2022 by PE. |

P. Ginnidhan