GOKHAN & MASTERSPACE JV LIMITED

# JV Management System

## Title: Daily Maintenance Report

| | |
|---|---|
| Doc Number : | GMJV-KeNHA-BRW-WO-M039FM008 |
| Revision : | 01 |
| Doc Type : | Form |
| Author/Owner : | Wellingtone Odali |
| Reviewed by: | Maurice Ademba |
| Effective Date : | January 2022 |
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| Number Pages : | Page 1 of 3 |
| Approved by : | Godfrey Walala |

| | | | | | |
|---|---|---|---|---|---|
| **Site Name** | | BUSIA | | | |
| **Dates/Duration** | | 06/09/2022 | | | |
| **Technician Name** | | BILLY MOGAKA | | | |
| **Systems** | | | **System Check** X | √ | **Comments/issues/observations** |
| | **VOLTAGE** | | | | |
| ***Electrical Systems*** | ***LINE VOLTAGE*** | - | | | |
| | *L1-L2* | 421 | | ✓ | Within range |
| | *L1-L3* | 419 | | ✓ | |
| | *L2-L3* | 418 | | ✓ | |
| | ***PHASE VOLTAGE*** | | | | |
| | *L1-N* | 246 | | ✓ | |
| | *L2-N* | 243 | | ✓ | |
| | *L3-N* | 242 | | ✓ | |
| | ***PHASE & EARTH*** | | | | |
| | *L1-E* | 246 | | ✓ | |
| | *L2-E* | 243 | | ✓ | |
| | *L3-E* | 242 | | ✓ | |
| | ***OTHER APPLIANCES*** | | | | |
| | *Isolators* | | | ✓ | Okay |
| | *MCCBs* | | | ✓ | |
| | *Contactors* | | | ✓ | |
| | *MCBs* | | | ✓ | |
| | *Photocells* | | | ✓ | |
| ***Scales systems*** *Check the following:-* | *Scale Accuracy* | | | ✓ | Okay |
| | *Indicator Functionality* | | | ✓ | |
| | *System Grounding* | | | ✓ | |
| | *Remote Display Unit* | | X | | 4 RDUS are faulty |

| | | | | |
|---|---|---|---|---|
| ***Traffic control system***<br>*Check the following:-* | *Booms functionality* | | ✓ | Okay |
| | *Traffic lights* | | ✓ | |
| | *Clean cameras* | | ✓ | |
| | *Network equipment* | | ✓ | |
| ***Generator***<br>*Check the following:-* | Battery Voltage | | ✓ | 13.7V |
| | Test run genset | | ✓ | OK |
| | Fuel level | | ✓ | 3/4 full |
| | Voltages on test run(vac) | | ✓ | L-L 415V ; L-N 240V |
| | Run hours to service | | ✓ | 94.3 HRS |
| | Emergency button | | ✓ | OK |
| ***Buildings & General Maintenance***<br>*Check the following:-* | Power to Buildings | | ✓ | |
| | Power to Switches | | ✓ | |
| | Power to socket outlets | | ✓ | |
| | Power to Bulbs | | ✓ | |
| | Power to Floodlights | | ✓ | |
| | Air Conditioners | | X | COPs AC needs a compressor replacement |
| | Leaking Roof | | X | None |
| | Drainage | | ✓ | Okay |

| | | | | |
|---|---|---|---|---|
| | | | | |
| Others | | X | | None |
| ***Health, Safety & Environment*** | | | | |
| *Check the following:* | Adherence to safety procedures by staff | ✓ | | Adhered to |
| | Adheres to min PPE | ✓ | | |
| | Potential hazards | X | | None |

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Checked By: (Duty Manager) Sammy Chiva Sign _____

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| GOKHAN & MASTERSPACE JV LIMITED | JV Management System | Doc Number : GMJV-KeNHA-BRW-WOM039FM004<br>Revision : 01<br>Doc Type : Form<br>Author/Owner : Wellingtone Odali<br>Reviewed by: Maurice Ademba<br>Effective Date : January 2022<br>Review Date : January 2023<br>Number Pages : Page 1 of 1<br>Approved by : Godfrey Walala |
|---|---|---|
| | Title: HSWIM Check List | |

## HSWIM CHECK LIST

Name of Technician: BILLY MOGAKA

Date or Duration valid: 06/09/2022

Site Name: BUSIA

| PHYSICAL & SYSTEM CHECKS | FREQ | √ | X | COMMENTS |
|---|---|---|---|---|
| 1. Check on the functionality of Weighing Sensors | D | | ✓ | Okay |
| 2. Check on the functionality of Loops | D | | ✓ | |
| 3. Check on the functionality of MSI Position Sensors | D | | ✓ | |
| 4. Check on the functionality of ANPR cameras | D | | ✓ | |
| 5. Check on the functionality of Overview Cameras | D | | ✓ | |
| 6. Check on the alignment of ANPR and Overview Cameras | D | | ✓ | |
| 7. Check on the functionality of gantry floodlights | D | | ✓ | |
| 8. Check whether HSWIM parameters are transmitted and viewed at the Directing Office. | D | | ✓ | |
| 9. Check on the state of Grounding and Lightening Arrestors | D | | ✓ | |
| 10. Check on the Physical State of HSWIM Equipment | D | | ✓ | |
| i) Check cables are intact and well terminated and not exposed | D | | ✓ | |
| ii) Check on the grouting status of the sensors | M | | ✓ | |
| iii) Check on the physical state of the gantry (ensure it is not knocked/damaged) | D | | ✓ | |
| iv) Check on the state of gantry protection (bollards) | D | | X | 3 bollards broken |
| v) Check cable routing (pipes, sleeves and ducts) are secure and not flooded with water | D | | ✓ | Okay |
| vi) Check whether silt/soil has accumulated at the sensor area | D | | ✓ | |
| vii) Check drainage around the sensor area to ensure it is not flooded. | D | | ✓ | |
| 11. Check on the white box components | D | | ✓ | |
| i) Check on the functionality and physical state of Breakers, Connectors, PLCs, Network Switches, Power Supply and cable termination. | D | | ✓ | |
| *Gantry Cameras to be cleaned and aligned monthly | M | | ✓ | |

NB: APPLIES TO KMPL BND HSWIM ONLY

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|---|---|---|
| | Title: SCALE ANPR, SCALE SIDE VIEW & CCTV CAMERAS CHECK LIST | |

## SCALE ANPR, SCALE SIDE VIEW & CCTV CAMERAS CHECKLIST

Name of Technician: BILLY MOGAKA

Date or Duration valid: 06/09/2022

Site Name: BUSIA

| CAMERAS CHEKLIST | FREQ | √ | X | Comments |
|---|---|---|---|---|
| **ANPR & Side View photos** | | | | |
| 1. Check with the system administrators at the image server all cameras to ensure they are all ON | D | ✓ | | Okay |
| 2. If all cameras are OFF check the single phase consumer unit at the weighing room for any tripped MCB | D | ✓ | | |
| 3. If the cameras are OFF randomly, check the yellow boxes at the camera pole for a tripped MCB or a faulty blue ginger PSU (check LED) | D | ✓ | | |
| 4. If blue ginger and/or circuit breaker are faulty after testing the input and output ensure they are replaced (AC circuit breaker input & output=240V while Blue ginger input AC 240V & output DC 12V) | D | ✓ | | |
| 5. If 4 above is true test the camera functionality from the server with the system admin | D | ✓ | | |
| 6. Inspect cameras' 4 port IP switches in the outdoor housing-Check that its powered, ports LED blinking, cables connected securely | W | ✓ | | |
| 7. Inspect all cameras for physical damage or misalignment | D | ✓ | | |
| 8. Inspect cameras view relative to master alignment photo. | D | ✓ | | |
| 9. If camera is misaligned after 7 above, realign the camera as required and test the view from the image server again | D | ✓ | | |
| 10. Wipe all camera view window with a clean damp cloth followed by a dry lint free cloth till the window is clean | W | ✓ | | |
| 11. Inspect the lanes next to the cameras for probable danger of knocking the poles and advise accordingly | D | ✓ | | |
| 12. Check floodlights for proper functionality-ON/OFF status as required-(Night inspection) | W | ✓ | | |
| 13. Check floodlights for proper alignment | W | ✓ | | Additional light needed at KMPL BND ANPR |
| **CCTV** | | | | |
| 1. Check at the LED monitor for ON or OFF status for all CCTV cameras | D | ✓ | | Okay |
| 2. If any camera is OFF check the single phase consumer unit at the weigh room for any tripped MCB | D | ✓ | | |
| 3. Check BNC connectors for proper connections at the back of the DVR in case 2 above is ON and cameras are still OFF | D | ✓ | | |
| 4. Check for proper focus of each CCTV camera | W | ✓ | | |
| 5. If any camera is off focus, have a person (system admin) at the screen and yourself at the camera to adjust the focus knobs under the Redi view cameras till focus is restored. | W | ✓ | | |
| 6. Check the playback of the CCTV cameras at the DVR at different dates and time | W | ✓ | | |
| 7. Inspect the CCTV cameras for physical damage and misalignment | W | ✓ | | |
| 8. If misaligned after 6 above ensure they are correctly aligned as the per the master alignment photo | W | ✓ | | |
| 9. Wipe all camera view window with a clean damp cloth followed by a dry lint free cloth till the window is clean | W | ✓ | | |

**NOTES**

1. Use a lint free cloth to clean Camera lenses and windows
2. Use a properly functioning multimeter to measure voltage
3. Ensure you have all minimum personal protective safety gear while working at heights

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|---|---|---|
| | Title: Generator Start-Up Form | |

**Name of Technician** BILLY MOGAKA

**Date or Duration valid** 06/09/2022

**Site Name** BUSIA

| GENERATOR START UP PROCEDURE-14KVA 3PHASE TEKSAN GENERATOR | | | |
|---|---|---|---|
| | √ | X | COMMENTS |
| 1. Ensure the emergency (RED) buttons are NOT pressed in. If pressed-in twist clockwise and the button will pop out. | ✓ | | Done & working correctly. |
| 2. Press the STOP soft key for 2 seconds to clear any old emergency status | ✓ | | |
| 3. Press the AUTO soft key till the GREEN LED appears to show the generator is on automatic standby. | ✓ | | |
| 4. Incase the generator is switched off using the emergency button, follow the steps 1 to 3 again | ✓ | | |
| 5. Whenever the generator does not start automatically and its on AUTO standby, press the OFF soft key button then press either AUTO or MANUAL soft key button | ✓ | | |
| 6. When generators comes ON afrer procedure 5. above press the AUTO soft key button | ✓ | | |
| 7. To stop the generator whenever the automatic change over does not switch it OFF use the STOP soft key not the EMERGENCY button | ✓ | | |
| 8. Always ensure before locking the generator shelter that you inspect it for leakages. Follow steps 1 and finally inspect the cables | ✓ | | |
| | | | |

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|---|---|---|
| | Title: Generator Start-Up Form | |

## RESETTING THE GENERATOR AFTER SERVICE ALARMS COME ON

| | | | |
|---|---|---|---|
| 1. Use the programme (PGM) arrow < > soft keys to select the function on the controller screen. | ✓ | | Done & working correctly |
| 2. Select COUNTERS screen, the first screen will show engine total hours of running, after pressing the arrow key again, the second COUNTERS screen will show Engine hours to service request | ✓ | | |
| 3. If the hours (100hrs) to service request have already been achieved and the alarm lamp for service request and the hazard lamp are ON, call the service provider immediately | ✓ | | |
| 4. To enable the generator to run before the service provider is on site, clear the alarms by pressing the test lamp ☼ and the alarm Ξ◄ soft key buttons together for 2secs till alarm ! Clears then press the STOP soft key button to clear the alarm for service request. | ✓ | | |
| 5. Press the AUTO button soft key button. | ✓ | | |

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