



## JV Management System

Doc Number : GMJV-KeNHA-BRW-WOM039FM008

Revision : 01

Doc Type : Form

Author/Owner : Wellington Odali

Reviewed by : Maurice Ademba

Effective Date : January 2022

Review Date : January 2023

Number Pages : Page 1 of 3

Approved by : Godfrey Walala

### Title: Daily Maintenance Report

Site Name		BWIA WATKINSBRIDGE	
Dates/Duration		28/07/2022	
Technician Name		YOUNG SAMUEL	
Systems		System Check	
		X	✓
		Comments/issues/observations	
Electrical Systems	VOLTAGE		
	<u>LINE VOLTAGE</u>		
	L1-L2	418	✓
	L1-L3	420	✓
	L2-L3	417	✓
	<u>PHASE VOLTAGE</u>		
	L1-N	243	✓
	L2-N	240	✓
	L3-N	242	✓
	<u>PHASE &amp; EARTH</u>		
	L1-E	243	✓
	L2-E	244	✓
	L3-E	241	✓
	<u>OTHER APPLIANCES</u>		
	Isolators		✓
MCCBs		✓	
Contactors		✓	
MCBs		✓	
Photocells		✓	
Scales systems Check the following:-	Scale Accuracy		✓
	Indicator Functionality		✓
	System Grounding		✓
	Remote Display Unit		✓
		X	

All voltages are okay.  
All within range.

All electrical appliances  
okay.

Accurate

okay

okay

Faulty.



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<b>Traffic control system</b> Check the following:-	Booms functionality		✓	Functional. Arm not connected
	Traffic lights		✓	Okay
	Clean cameras		✓	Cleaned
	Network equipment			N/A
<b>Generator</b> Check the following:-	Battery Voltage		✓	13.7V
	Test run genset		✓	Okay
	Fuel level		✓	Full tank
	Voltages on test run(vac)		✓	2-L-420V, LN-243V
	Run hours to service		✓	36.5 hrs.
	Emergency button		✓	Okay.
<b>Buildings &amp; General Maintenance</b> Check the following:-	Power to Buildings		✓	All power supplies Okay.
	Power to Switches		✓	
	Power to socket outlets		✓	
	Power to Bulbs		✓	
	Power to Floodlights		✓	
	Air Conditioners	X		Cop office AC - Bulky weighing room needs maintenance
	Leaking Roof	X		None
	Drainage		✓	Okay.



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				None
Others				
<b>Health, Safety &amp; Environment</b>				
Check the following:	Adherence to safety procedures by staff		✓	} All adhered to.
	Adheres to min PPE		✓	
	Potential hazards	X		
				None

Prepared By: (Technician)

YOUNG SAMUEL

Sign

*[Signature]*

Checked By: (Duty Manager)

Onyando Marmiles

Sign

*[Signature]*







## JV Management System

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Approved by : Godfrey Walala

### Title: HSWIM Check List

### HSWIM CHECK LIST

Name of Technician

YOUNG SAMUEL

Date or Duration valid

28/07/2022

Site Name

BUSIA WEIGHTBRIDGE

PHYSICAL & SYSTEM CHECKS	FREQ	✓	X	COMMENTS
1. Check on the functionality of Weighing Sensors	D	✓		} All HSWIM functionalities 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	✓		Well-aligned
7. Check on the functionality of gantry floodlights	D	✓		okay
8. Check whether HSWIM parameters are transmitted and viewed at the Directing Office.	D	✓		Well-transmitted
9. Check on the state of Grounding and Lightening Arrestors	D	✓		Grounding okay.
10. Check on the Physical State of HSWIM Equipment	D	✓		okay
i) Check cables are intact and well terminated and not exposed	D	✓		okay
ii) Check on the grouting status of the sensors	M	✓		okay
iii) Check on the physical state of the gantry (ensure it is not knocked/damaged)	D	✓		} secured
iv) Check on the state of gantry protection (bollards)	D	✓		
v) Check cable routing (pipes, sleeves and ducts) are secure and not flooded with water	D	✓		
vi) Check whether silt/soil has accumulated at the sensor area	D	✓		No silt
vii) Check drainage around the sensor area to ensure it is not flooded.	D	✓		No floods
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	✓		} okay.
*Gantry Cameras to be cleaned and aligned monthly	M	✓		

N/B - Above checklist only applies for Busia Road HSWIM.

Prepared By: (Technician)

YOUNG SAMUEL

Sign

mm2

Checked By: (Duty Manager)

Godfrey Mwangi

Sign

mm2





## JV Management System

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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

YOUNG SAMUEL

Date or Duration valid

28/07/2022

Site Name

BUSIA WTC BRIDGE

CAMERAS CHECKLIST	FREQ	✓	X	Comments
<b>ANPR &amp; Side View photos</b>				
1. Check with the system administrators at the image server all cameras to ensure they are all ON	D	✓		ANPR & Sideview functionalities are 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	✓		
<b>CCTV</b>				
1. Check at the LED monitor for ON or OFF status for all CCTV cameras	D	✓		CCTV cameras functions 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

YOUNG SAMUEL  
Ongando Mawumbe







## JV Management System

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Approved by : Godfrey Walala

Title: Generator Start-Up Form

Name of Technician

YOUNG SAMUEL

Date or Duration valid

28/07/2022

Site Name

BUSIA HIGHBRIDGE

### 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 All functions Okay.
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. In case 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 after 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.	✓		
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 ☰ 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.	✓		

Done. All

Functions  
Okay.

Prepared By: (Technician) YOUNG SAMUEL

Sign [Signature]

Checked By: (Duty Manager) Godfrey Maamula

Sign [Signature]

