



## JV Management System

Doc Number : GMJV-KeNHA-BRW-WO/M039FM008

Revision : 01

Doc Type : Form

Author/Owner : Wellington Odali

Reviewed by : Maurice Adamba

Effective Date : January 2022

Review Date : January 2023

Number Pages : Page 1 of 3

Approved by : Godfrey Walala

### Title: Daily Maintenance Report

Site Name		BUSIA WEIGHBRIDGE		
Dates/Duration		16/09/2022		
Technician Name		YOUNG CAMUEL		
Systems		System Check		Comments/issues/observations
		X	✓	
	VOLTAGE			
Electrical Systems	<u>LINE VOLTAGE</u>			
	L1-L2	420.2	✓	} Voltages okay - All within range.
	L1-L3	418.7	✓	
	L2-L3	416.8	✓	
	<u>PHASE VOLTAGE</u>			
	L1-N	240.3	✓	} All appliances okay
	L2-N	244.6	✓	
	L3-N	240.7	✓	
	<u>PHASE &amp; EARTH</u>			
	L1-E	238.6	✓	} All appliances okay
	L2-E	240.6	✓	
	L3-E	239.7	✓	
	<u>OTHER APPLIANCES</u>			
	Isolators		✓	} All appliances okay
MCCBs		✓		
Contactors		✓		
MCBs		✓		
Photocells		✓		
Scales systems	Check the following:-			
	Scale Accuracy		✓	Accurate
	Indicator Functionality		✓	} Okay
	System Grounding		✓	
	Remote Display Unit	X		4 RDUs faulty.



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<b>Traffic control system</b> Check the following:-	Booms functionality	X		sgm-bound boom knocked down
	Traffic lights		✓	} okay
	Clean cameras		✓	
	Network equipment	✓		N/A
<b>Generator</b> Check the following:-	Battery Voltage		✓	13.7V
	Test run genset		✓	okay
	Fuel level		✓	3/4 full
	Voltages on test run(vac)		✓	L-L-418V, L-N-240V
	Run hours to service		✓	97.5 hrs
	Emergency button		✓	okay
<b>Buildings &amp; General Maintenance</b> Check the following:-	Power to Buildings		✓	} All Electrical power Supplies okay
	Power to Switches		✓	
	Power to socket outlets		✓	
	Power to Bulbs		✓	
	Power to Floodlights		✓	
	Air Conditioners	X		col ac faulty
	Leaking Roof	X		None
	Drainage		✓	okay.



GOKHAN &  
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JV LIMITED

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

Prepared By: (Technician)

Sign

Checked By: (Duty Manager)

Sign







## JV Management System

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### Title: HSWIM Check List

### HSWIM CHECK LIST

Name of Technician

YOUNG SAMUEL

Date or Duration valid

16/09/2022

Site Name

BUSIA WEIGH BRIDGE

PHYSICAL & SYSTEM CHECKS	FREQ	✓	X	COMMENTS
1. Check on the functionality of Weighing Sensors	D	✓		} All functions 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	✓		
9. Check on the state of Grounding and Lightening Arrestors	D	✓		} okay
10. Check on the Physical State of HSWIM Equipment	D	✓		
i) Check cables are intact and well terminated and not exposed	D	✓		} okay
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	✓		} okay
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	✓		Secured
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 flood
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	✓		



Prepared By: (Technician)

YOUNG SAMUEL

Sign

*[Signature]*

Checked By: (Duty Manager)

Duncan Odhiambo

Sign

*[Signature]*

N/B - Above checklist only applies for kmpl based HSWIM



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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 SAMWIRI

Date or Duration valid

16/09/2022

Site Name

BUSIA WEIGHT 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 & side view cameras functioning normally. Additional floodlight required outside OBS office.
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	✓		All functions of CCTV cameras ok. Additional light required at the weighing office.
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 SAMWIRI  
Duncan Odhiambo







## 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

16/09/2022

Site Name

BUSIA WRIGHT BRIDGE

### 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 generators 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.	✓		



Prepared By: (Technician)

YOUNG BARNWELL

Sign

[Signature]

Checked By: (Duty Manager)

BURCAN ODHIAMBO

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[Signature]