GOKHAN & MASTERSPACE JV LIMITED

JV Management System

Doc Number :	GMJV-KeNHA-BRW-WOM039FM008
Revision :	01
Doc Type :	Form
Author/Owner :	Wellingtone 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	BUSIA
Dates/Duration	01/08/2022
Technician Name	BILLY MOGAKA

Systems			System Check X	System Check √	Comments/issues/observations
	VOLTAGE				
Electrical Systems	***LINE VOLTAGE***	-			
	L1-L2	415		✓	Within range
	L1-L3	418		✓	
	L2-L3	417		✓	
	PHASE VOLTAGE				
	L1-N	240		✓	
	L2-N	241		✓	
	L3-N	241		✓	
	PHASE & EARTH				
	L1-E	240		✓	
	L2-E	241		✓	
	L3-E	241		✓	
	OTHER APPLIANCES				
	Isolators			✓	Okay.
	MCCBs			✓	
	Contactors			✓	
	MCBs			✓	
	Photocells			✓	
Scales systems *Check the following:-*	*Scale Accuracy*			✓	Accurate
	Indicator Functionality			✓	
	System Grounding			✓	Well grounded.
	Remote Display Unit			✗	1 display is okay, 3 are ~~Okay~~ faulty.

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Traffic control system *Check the following:-*	*Booms functionality*	X		Okay arms not connected
	Traffic lights		✓	Okay.
	Clean cameras		✓	
	Network equipment		✓	
Generator *Check the following:-*				
	Battery Voltage		✓	13.7V dc
	Test run genset		✓	Okay.
	Fuel level		✓	3/4 Full
	Voltages on test run(vac)		✓	L-L 415V, L-N 240V
	Run hours to service		✓	20.3 hrs
	Emergency button		✓	Okay
Buildings & General Maintenance *Check the following:-*				
	Power to Buildings		✓	
	Power to Switches		✓	Okay.
	Power to socket outlets		✓	
	Power to Bulbs		✓	
	Power to Floodlights		✓	
	Air Conditioners	X		COP AC faulty needs a new compressor.
	Leaking Roof	X		None
	Drainage		✓	Okay.

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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

repared By: (Technician) BILLY MOGAKA Sign

hecked By: (Duty Manager) Onyando Maxmiller Sign

KENYA NATIONAL HIGHWAYS AUTHORITY
01 AUG 2022
MANAGER BUSIA WEIGHBRIDGE STATION
P.O. Box 49712 - 00100, NAIROBI

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

HSWIM CHECK LIST

Name of Technician: BILLY MOGAKA

Date or Duration valid: 01/08/2022

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	✓		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	✓		Okay.
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 are broken
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	✓		Okay
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	✓		

* The above applies to the BUSIA BND HSWIM
* KISUMU BND IS OFF Due to lack of Grid Power.

Prepared By: (Technician) BILLY MOGAKA Sign [signature] 01 AUG 2022

Checked By: (Duty Manager) Onyango Maximiller Sign [signature]

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GOKHAN & MASTERSPACE JV LIMITED	JV Management System	Doc Number : GMJV-KeNHA-BRW-WOM039FM007 Revision : 01 Doc Type : Form Author/Owner : Wellingtone Odali Reviewed by: Maurice Ademba Effective Date : January 2022 Review Date : January 2023 Number Pages : Page 1 of 1 Approved by : Godfrey Walala

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: 01/08/2022

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	√		
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	√		

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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

GOKHAN & MASTERSPACE JV LIMITED	JV Management System	Doc Number : GMJV-KeNHA-BRW-WOM039FM002 Revision : 01 Doc Type : Form Author/Owner : Wellingtone Odali Reviewed by: Maurice Ademba Effective Date : January 2022 Review Date : January 2023 Number Pages : Page 1 of 2 Approved by : Godfrey Walala
	Title: Generator Start-Up Form	

Name of Technician BILLY MOGAKA

Date or Duration valid 01/08/2022

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 Okay.
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.	✓		

Prepared By: (Technician) BILLY MOGAKA **Sign** _____

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