

Title: Daily Maintenance Report

Doc Number :

GMJV-KeNHA-BRW-WOM039FM008

Revision:

UI

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

Site Name Dates/Duration **Technician Name** Check Systems Comments/issues/observations **VOLTAGE** Electrical Systems LINE VOLTAGE L1-L2 1 L1-L3 Within L2-L3 PHASE **VOLTAGE** L1-N L2-N L L3-N PHASE & EARTH L1-E L2-E L L3-E OTHER APPLIANCES Isolators **MCCBs** Contactors **MCBs** Photocells Scales systems Check the following:-Scale Accuracy Indicator Functionality Accurato System Grounding Remote Display Unit Pour are faulty



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Traffic control system			
Check the following:-	Booms functionality	V	4
d d	ı		
	Traffic lights		Okay
6	Class as as as as		
	Clean cameras		
	Network equipment	V)
Generator			
Check the following:-		5	10 1
	Battery Voltage		13-7 V DC
	Test run genset		OK
σ:	restruit genset		
	Fuel level		314 Full
y .	Voltages on test run(vac)	V	L-L 415V L-N 240V
			a h
	Run hours to service		96.24
	Emergency button		OK
Buildings & General	Emergency sattern		
Maintenance	wi		
Check the following:-			
	Power to Buildings		
	Power to Switches	V	Yokay
	Power to socket outlets	V	
	Power to Bulbs	b	
o .	B		
	Power to Floodlights	V	IMP AR CONTE
	Air Conditioners	X	COPS AC needs of Compressive replacement
			Confirmed to the confir
*	Leaking Roof	X	None
	Drainage		OKQL



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	1			
19				
Others		X		None
Health, Safety & Environment				
Check the following:	Adherence to safety procedures by staff		· /	7 Adhered to
	Adheres to min PPE		•	
3	Potential hazards	X		None

Prepared By: (Technician) Checked By: (Duty Manager) _



Title: HSWIM Check List

Doc Number: GMJV-KeNHA-BRW-WOM039FM004

Revision: Doc Type :

Form

Author/Owner: Wellingtone Odali Reviewed by: Maurice Ademba

Effective Date: January 2022

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Number Pages: Page 1 of 1

Approved by : Godfrey Walala

HSWIM CHECK LIST

Mama	of	Tack	nician	

Date or Duration valid

Site Name

PHYSICAL & SYSTEM CHECKS	FREQ	√	Х	COMMENTS
Check on the functionality of Weighing Sensors	D	~		
Check on the functionality of Loops	D	1		checked 3 working correctly.
Check on the functionality of MSI Position Sensors	D	V		Working
4. Check on the functionality of ANPR cameras	D	V		Correctly.
5. Check on the functionality of Overview Cameras	D	V		
6. Check on the alignment of ANPR and Overview Cameras	D	V		
7. Check on the functionality of gantry floodlights	D	V		
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	1		
10. Check on the Physical State of HSWIM Equipment	D	V		
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	1		
iv) Check on the state of gantry protection (bollards)	D	1		3 bollards broken
v) Check cable routing (pipes, sleeves and ducts) are secure and not flooded with water	D	V		7
vi) Check whether silt/soil has accumulated at the sensor area	D	V		4 Checked 3 Working Correctly
vii) Check drainage around the sensor area to ensure it is not flooded.	D	1		Working
11. Check on the white box components	D	1		Correction
 Check on the functionality and physical state of Breakers, Connectors, PLCs, Network Switches, Power Supply and cable termination. 	D	V		
*Gantry Cameras to be cleaned and aligned monthly	М	L		HATIONAL HIGHWAYS AUTHO

Prepared By: (Technician)

Checked By: (Duty Manager)



Doc Number: GMJV-KeNHA-BRW-WOM039FM002

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Form

Author/Owner: Wellingtone Odali

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Effective Date: January 2022

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Approved by: GodfreyWalala

Number Pages: Page 1 of 2

Name of Technician BULLY

Date or Duration valid

Title: Generator Start-Up Form

Site Name

GENERATOR START UP PROCEDURE-14KVA 3PHASE TEKSAN GENERATOR COMMENTS 1. Ensure the emergency (RED) buttons are NOT pressed in. If pressed-in twist clockwise and the button will pop out. 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 Correcti 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



Title: Generator Start-Up Form

Doc Number: GMJV-KeNHA-BRW-WOM039FM002

Revision:

Doc Type:

Form

Reviewed by:

Author/Owner: Wellingtone Odali

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Number Pages: Page 2 of 2

January 2023

Approved by:

Godfrey Walala

RESETTING THE GENERATOR AFTER SERVICE ALARMS COME ON

1. Use the programme (PGM) arrow < > soft keys to select the function on the controller screen.	V	
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	V	Done 3
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	V	Correctly
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.	V	J

Prepared By: (Technician) BILL MOGAKA Sign Checked By: (Duty Manager) May May Sign



Title: SCALE ANPR, SCALE SIDE VIEW & CCTV CAMERAS

Doc Number :

GMJV-KeNHA-BRW-WOM039FM007

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Author/Owner: Wellingtone Odali Reviewed by: Maurice Ademba

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SCALE ANPR. SCALE SIDE VIEW & CCTV CAMERAS CHECKLIST

Name of Technician

Date or Duration valid

Site Name

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1. Check at the LED monitor for ON or OFF status for all CCTV cameras 2. If any camera is OFF check the single phase consumer unit at the weigh room for any tripped MCB 3. Check BNC connectors for proper connections at the back of the DVR in case 2 above is ON and cameras are still OFF 4. Check for proper focus of each CCTV camera 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. 6. Check the playback of the CCTV cameras at the DVR at different dates and time 7. Inspect the CCTV cameras for physical damage and misalignment attes and time 7. Inspect the CCTV cameras for physical damage and misalignment bits master alignment photo 9. Wipe all camera view window with a clean damp cloth followed by a	CAMERAS CHEKLIST	FREQ	√	х	Comments
1. Check with the system administrators at the image server all cameras to ensure they are all ON consure they are all ON consure they are all ON consure they are replaced (AC circuit breaker input & output=240V with BBus ginger input AC 240V & output DC 12V) 5. If a load one and output ensure they are replaced (AC circuit breaker input & output=240V with BBus ginger input AC 240V & output DC 12V) 5. If a boxe is true test the camera functionsify from the server with the system admin is powered, port ELED blinking, cables connected securely 7. In special cameras for physical damage or misalignment 8. In sepecial cameras with a clean damp circuit breaker in put and output server with the surface and output described in the outdoor housing-Check that is powered, port ELED blinking, cables connected securely 7. In special cameras with reliable to the camera sequired and test the weak from the image server again and the sea eccodingly. 8. In sepecial cameras with a clean damp circle followed by a dry in the cells the twintow is clean of the put camera in the control of the camera with a clean damp circle followed by a dry in the cells the twintow is clean. 9. It cameras were virintows with a clean damp circle followed by a dry in the cells the twintow is clean of the put camera. 10. Wipe all camera view virincow with a clean damp circle followed by a dry in the cells the twintow is clean. 10. Wipe all camera view virincow with a clean damp circle followed by a dry in the cells the twintow is clean. 10. Wipe all camera view virincow with a clean damp circle followed by a dry in the cells the twintow is clean. 11. Report the library of the camera of	ANPR & Side View photos	İ			
to ensure they are all ON 2. If all cameras are OFF check the single phase consumer unit at the weighing room for any tripped MCB 3. If the cameras are OFF randomly, check the yellow boxes at the camera pole for a fraged MCB or a faulty blue ginger PSU (check LED) 4. If they ginger another circuit breaker are faulty after testing the input and output ensure they are replaced (Cal circuit breaker plant & output = 240 V while Blue ginger input AC 240V & output OC 12V) 5. If a barve is the test the camera functionality from the server with the system admin 6. Inspect cameras' 4 port IP switches in the outdoor housing-Check that its powered, ports LED Dilinking, cables connected securely 7. Inspect all cameras for physical damage or misalignment 8. Inspect cameras side or relative to master alignment photo. 9. If camera is massing and after 3 above, realign the camera as required and test the view from the image server again and test the view from the image server again and test the view from the image server again and test the view from the image server again and test the view from the image server again and test the view from the image server again and test the view from the image server again and test the view from the image server again and test the view from the image server again and test the view from the image server again and test the view from the image server again and test the view from the image server again and test the view from the image server again and test the view from the image server again and test the view from the image server again and test the view from the image server again and test the view from the image server again and test the view from the image server again and test the view from the interview of the view camera to well of the view camera to well of the view camera to well of the view camera to view from which a clean damage and test the course which the view camera as one still OFF 1. Check for the court of the camera to adjust the focus knobs under the Red view camera a					
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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

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