



## JV Management System

### Title: Daily Maintenance Report

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

Site Name	Rough Weighbridge.		
Dates/Duration	08/08/2022		
Technician Name	Richard K. M.		
Systems		System Check	Comments/issues/observations
	VOLTAGE	X ✓	
<b>Electrical Systems</b>	<u>LINE VOLTAGE</u>	-	
L1-L2	2419	✓	
L1-L3	419	✓	
L2-L3	418	✓	
<u>PHASE VOLTAGE</u>			
L1-N	241	✓	
L2-N	242	✓	
L3-N	241	✓	
<u>PHASE &amp; EARTH</u>			
L1-E	240	✓	
L2-E	241	✓	
L3-E	241	✓	
<u>OTHER APPLIANCES</u>			
Isolators		✓	OK
MCCBs		✓	OK
Contactors		✓	OK
MCBs		✓	OK
Photocells		✓	OK
<b>Scales systems</b>			
Check the following:-	Scale Accuracy	~	OK
	Indicator Functionality	✓	OK
	System Grounding	✓	OK
	External Display	X	N/A



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Traffic control system				
Check the following:-	Booms functionality	x	Faulty	
	Traffic lights	x	N/A	
	Clean cameras	v	OK	
	Network equipment	v	OK	
Generator				
Check the following:-	Battery Voltage	v	13.45Vdc	
	Test run genset	v	OK	
	Fuel level	v	Full tank	
	Voltages on test run(vac)	v	OK	
	Run hours to service	v	23.9 hrs	
	Emergency button	v	OK	
Buildings & General Maintenance				
Check the following:-	Power to Buildings	v	OK	
	Power to Switches	v	OK	
	Power to socket outlets	v	OK	
	Power to Bulbs	v	OK	
	Power to Floodlights	v	OK	
	Air Conditioners	v	OK	
	Leaking Roof	v	Not available	
	Drainage	v	OK	



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Others			
<b>Health, Safety &amp; Environment</b>			
<i>Check the following:</i>	Adherence to safety procedures by staff	<input checked="" type="checkbox"/>	{ safety & PPE well adhered to }
	Adheres to min PPE	<input checked="" type="checkbox"/>	
	Potential hazards	<input checked="" type="checkbox"/>	None.

Prepared By: (Technician) Richard Kibiru Sign Surendra

Checked By: (Duty Manager) DUNCAN ONGATO Sign Bilqas





# JV Management System

Doc Number : GMJV-KeNHA-B RW-WOM039FM005  
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## Title: Loggers Checklist

Name of Technician

Richard Kisira

Date or Duration valid

08/08/2022

Site Name

Rongo Weighbridge

LOGGER CHECK LIST	FREQ	ON/V	OFF/X	COMMENTS
Physical Checks				
1. Check AC MCB on the LHS	D	✓		OIC
2. Battery Charger Status	D	✓		OIC
3. Battery charging	D	✓		OIC
4. Loops CPU LED	D	✓		OIC
5. Loops LEDs	D	✓		OIC
6. CPU LEDs	D	✓		OIC
7. Classification LEDs	D	✓		OIC
8. Check cables-loops and other communication cables	D	✓		OIC
9. Functionality checks	2*D	✗		g1
Functional Checks				
1. Connect to Hyperterminal on Laptop	2*D			
2. Press I to check for setup information (date, time, site name)	2*D			Not connected to hyperterminal
3. Press Q to check loop frequencies	2*D			
4. Press lane numbers (1,2,3...) and check lane vehicle information	2*D			
check the logical reaction of the logger on each lane	2*D			
6. Log off by pressing O	2*D			

### NOTES

1. While doing the functional test, have a laptop with hyperterminal software installed and a USB to serial converter.
2. Ensure the outdoor housing is free of dust before locking
3. Ensure housing is properly locked after the procedure



Prepared By: (Technician) Richard Kisira Sign [Signature]

Checked By: (Asst Weighbridge Manager) DUNCAN ENG'ATO Sign [Signature]



# JV Management System

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

Name of Technician

Richard Kizita

Date or Duration valid

08/08/2022

Site Name

Rongo Ingrahbridge

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

CAMERAS CHEKLIST	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	✓	OIC	
2. If all cameras are OFF check the single phase consumer unit at the weighing room for any tripped MCB	D	✓	OIC	
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	✓	OIC	
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	✓	OIC	
5. If 4 above is true test the camera functionality from the server with the system admin	D	✓	OIC	
6. Inspect cameras' 4 port IP switches in the outdoor housing-Check that its powered, ports LED blinking, cables connected securely	W	✓	OIC	AMPR & SV
7. Inspect all cameras for physical damage or misalignment	D	✓	OIC	Not integrated into the system
8. Inspect cameras view relative to master alignment photo.	D	✓	OIC	
9. If camera is misaligned after 7 above, realign the camera as required and test the view from the image server again	D	✓	OIC	
10. Wipe all camera view window with a clean damp cloth followed by a dry lint free cloth till the window is clean	W	✓	OIC	
11. Inspect the lanes next to the cameras for probable danger of knocking the poles and advise accordingly	D	✓	OIC	
12. Check floodlights for proper functionality-ON/OFF status as required-(Night inspection)	W	✓	OIC	
13. Check floodlights for proper alignment	W	✓	OIC	
<b>CCTV</b>				
1. Check at the LED monitor for ON or OFF status for all CCTV cameras	D	✓	OIC	
2. If any camera is OFF check the single phase consumer unit at the weigh room for any tripped MCB	D	✓	OIC	
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	✓	OIC	
4. Check for proper focus of each CCTV camera	W	✓	OIC	
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	✓	OIC	
6. Check the playback of the CCTV cameras at the DVR at different dates and time	W	✓	OIC	
7. Inspect the CCTV cameras for physical damage and misalignment	W	✓	OIC	This is because law
8. If misaligned after 6 above ensure they are correctly aligned as per the master alignment photo	W	✓	OIC	Cameras are very old.
9. Wipe all camera view window with a clean damp cloth followed by a dry lint free cloth till the window is clean	W	✓	OIC	

#### 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

Richard Kizita   
 DUNCAN ONGATO   
 Ngugi



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# JV Management System

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## Title: Scales Check List

Name of Technician

Date or Duration valid

Site Name

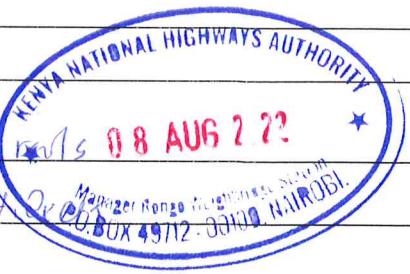
### SCALES CHECK LIST

Richard Kisira

08/08/2022

Dongo Lenghbridge

PHYSICAL & SYSTEM CHECKS	FREQ	✓	X	COMMENTS
1. Do a physical inspection of the scale and check as follows;	W	✓		OIC
i) Check the cleanliness (oil, grease, mud, silt etc) off the surface		✓		OIC
ii) Check for accumulated silt and dirt, ensure its removed		✓		OIC
iii) Check earthing cables, glands and ties are well secured & bolts tight		✓		OIC
iv) Check load cell cables are well secured		✓		OIC
v) Check the Junction Box cables are well secured		✓		OIC
vi) Check cable routing (pipes, sleeves and ducts) are secure and not flooded with water/mud		✓		OIC
vii) Check the scale drainage to ensure its not blocked		✓		OIC
2. Do a physical inspection of the indicator and the interface to the weighing computer as follows;				
i) Check cables from the scale are intact and well terminated on the indicator		✓		OIC
ii) Check to ensure indicator power supply is through a UPS		✓		OIC
iii) Check UPS is functioning properly-output voltage & backup-switch OFF mains to check		✓		OIC
iv) Compare the indicator reading and KenLoad reading		✓		OIC
v) Check cable routing (pipes, sleeves and ducts) are secure and not flooded with water		✓		OIC
3. Check deck for shaking when stepped on by a truck	W	✓		OIC
4. Check deck for sinking below the set level	W	✓		OIC
5. If 3 and 4 above are not okay, contact the scale servicing company to check the deck, stoppers or grouting	W	✓		OIC
6. Check guide rails to ensure that they have not been bumped by trucks & all reflective tape is not damage, where damage ensure its replaced and clean	W	✓ X		OIC - guide rails 08 AUG 22
7. Check decks for alignment for all multi-decks to ensure no misalignment	W	✓ X		KPA-MU-A-QM APPROVED BY: D. K. NAIROBI
8. External Displays-check if working		✓ X		OIC/A/I/A



Prepared By: (Technician) Richard Kisira

Sign

Checked By: (Duty Manager) Duncan Onyango

Sign



# JV Management System

## Title: Traffic Control Form

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Name of Technician

Richard Kera

Date or Duration valid

08/08/2022

Site Name

Rouge Loughbridge

BOOMS	FREQ	✓	X	COMMENTS
1. Check for booms opening and closing as expected	W		✗	
2. Check booms response to the weighed vehicles of different status	W		✗	
3. Check boom arms physical integrity	W		✗	{ Boom faulty }
4. Check by first listening for dry bearings running, followed by opening the boom top cover to check for dust and greasing of the bearings	W		✗	
5. Open the boom box door:	W			
(i) Check the functioning of the presence-loop by checking the detector LED	W	✓		OK
(ii) Press the reset button to reset the loop detector-check for the blinking of the reset button	W	✓		DIC
WIM BOX				
1. Check for physical integrity of the outdoor housing:	W			
(i) Check for bumping by vehicles or vandalism	W	✓		DIC
(ii) Check the key holes	W	✓		OK



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(iii) Check hinges and movable parts for greasing	W	✓	o/c
2. Check the Earthing cable is intact	W	✓	o/c
3. Check to see all PSU are working by:	W		
(i) Check LED to see its lighting	W	✓	o/c
(ii) Check Devices being powered by PSU are all ON (IP switches, IO)	W	✓	o/c
(iii) If (ii) above is not ON, use a multimeter to measure the input voltage (220-240VAC) and the output voltage (12VDC)	W	✓	o/c
(iv) If input is not as (iii) above, measure the supply voltage to the MCB on the left of the box to ascertain supply, if output is not as (iii) above please replace the unit	W	✓	o/c
4. Check all devices are ON (IP switches, logger, Pocket PAD, IO)	W	✓	o/c
5. Refer to the loggers checklist		✓	o/c
CAMERAS & CAMERA HOUSINGS			



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### Title: Traffic Control Form

1. Refer to the Camera checklist of the Cameras

✓

OLC

2. Clean off dust/blow dust from the scale cameras

W

✓

OLC

### TRAFFIC LIGHTS

1. Check response of the scale traffic light to weighed vehicles

W

X

7

XPLA

2. Check on any physical damage to the traffic lights

W

X

3. Clean off dust from the traffic lights

W

X

Prepared By: (Technician)

Richard Kebra

Sign

Checked By: (Duty Manager)

Duncan Ong'endo

Sign





## JV Management System

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Title: Generator Start-Up Form

Name of Technician

Richard K.ira

Date or Duration valid

08/08/2022

Site Name

Rango Wrightbridge

### 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.	✓		OIC
2. Press the STOP soft key for 2 seconds to clear any old emergency status	✓		OIC
3. Press the AUTO soft key till the GREEN LED appears to show the generator is on automatic standby.	✓		OIC
4. Incase the generator is switched off using the emergency button, follow the steps 1 to 3	✓		OIC
5. Whenever the generator does not start automatically and its on AUTO standby, press the OFF soft key button then press either AUTO	✓		OIC
6. When generators comes ON after procedure 5. above press the AUTO soft key	✓		OIC
7. To stop the generator whenever the automatic change over does not switch it OFF use the STOP soft key not the EMERGENCY	✓		OIC
8. Always ensure before locking the generator shelter that you inspect it for leakages. Follow steps 1 and finally inspect	✓		OIC



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### RESETTING THE GENERATOR AFTER SERVICE ALARMS COME ON

1. Use the programme (PGM) arrow < > soft keys to select the function on the controller screen.	✓	OIC
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	✓	OIC
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	✓	OIC
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.	✓	OIC
5. Press the AUTO button soft key button.	✓	OIC

Prepared By: (Technician) Richard Kera Sign

Checked By: (Duty Manager) DUNCAN ONG'ENO Sign

