

Annexure 1
DEPARTMENT OF LABOUR
OCCUPATIONAL HEALTH AND SAFETY ACT, 1993
CERTIFICATE OF COMPLIANCE



GENERAL ELECTRICAL INSTALLATION
CERTIFICATE OF COMPLIANCE

Certificate of compliance in accordance
with regulation 7(1) of the Electrical
Installation Regulations, 2009.

CERTIFICATE NO.

NM 188535

Certificate type (tick appropriate block)

Initial Certificate ☐ Supplementary Certificate ☐

Supplement No.: _____ to Initial Certificate No.: _____ as issued on: _____

Identification of the relevant electrical installation

(Address or other unique reference, where applicable)

Physical address: 1 DURBAN INTERNATIONAL AIRPORT

Name of building: _____ GPS Coordinates: _____

Suburb / Township: PROSPECTION Pole number: _____

District / Town / City: DURBAN / KZN Erf / Lot No.: _____

Declaration by registered person

I, THABANI BENEDICTION NDABA (ID No.: 7302245354082)

a registered person, declare that I have personally carried out the inspection and testing of the electrical installation described in the attached test report as per the requirements of:

(Tick appropriate box)

a) electrical installation regulations 9(2) (a) (new electrical installation); or ☐

b) electrical installation regulations 9(2) (b) (existing electrical installation); or ☒

c) electrical installation regulations 9(2) (c) (new part to existing installation) ☐

and deem the installation to be reasonably safe when properly used.

I have entered the number of this Certificate on the attached test report(s).

I declare that the persons responsible for the design, specification, procurement, construction commissioning and inspection and test have completed the relevant sections of the test report.

Registered person registration number: IE 28019 Date of registration: 30/09/2019

Type of registration: (Tick appropriate box)

Electrical tester for single phase ☐

Installation electrician ☒

Master installation electrician ☐

Signature: [Signature] Date: 24 / JUNE / 2021

Contact details of registered person:

Address: 38 JAMES HERBERT ROAD, 39 KNIGHTSBRIDGE, PINETOWN

Tel. No.: _____ Fax No.: _____

Cell No.: 072 973 6103 / 081 464 1372 Email: thabani_ndaba@yahoo.com

- NOTE**
1. This Certificate is not valid unless all the sections have been completed correctly and the test report in the format approved by the chief inspector is attached.
 2. This Certificate will be invalid if any corrections have been made.

Declaration by electrical contractor

I, THABANI BENEDICTION NDABA (ID No.: 7302245354082)

declare that the electrical installation has been carried out in accordance with the requirements of the Occupational Health and Safety Act, 1993, and regulations made thereunder.

Electrical contractor registration number: KZN 0014 Date of registration: 9/03/2007

Signature: [Signature]

Contact details of electrical contractor: Name: NDABATHABANI ELECTRICAL (PTY) LTD

Address: 99 KNIGHTSBRIDGE

Tel. No.: _____ Fax No.: _____

Cell No.: _____ EMAIL: thabani_ndaba@yahoo.com

Recipient name: _____ Signature: _____ Date: _____



010 271 0686 043 726 6359
012 342 3242 041 363 1990
031 312 6313 021 462 2690
051 447 0859 011 392 0000

TEST REPORT for ELECTRICAL INSTALLATIONS (To SANS 10142-1)

Certificate of Compliance (CoC) No.: 188533

Date of issue: 24/06/2021

Test Report for DB/ Supply:

Additional pages added: ☒ Yes Number added: ☒ No

NOTE 1 In terms of South African legislation, the user or lessor is responsible for the safety of the electrical installation

NOTE 2 This report covers only the part of the installation described in section 3.

NOTE 3 This report covers the circuits for fixed appliances, but does not cover the actual appliances, for example stoves, geysers, air conditioning and refrigeration plant and lights.

NOTE 4 Medical and hazardous locations require additional test reports (see 8.7).

NOTE 5 Enter the required information or tick the appropriate block.

SECTION 1 - LOCATION (Only required if not provided on Certificate of Compliance)

Physical address: DURBAN INTERNATIONAL AIRPORT, PROSPECTION, DURBAN

Name of building: N/A

SECTION 2 - INSTALLATION

☒ Permanent installation

☐ Temporary installation

Type of electricity supply system:

☒ TN-S

☐ TN-C-S

☐ TN-C

☐ TT

☐ IT

Characteristics of supply:

Voltage:

☐ 230 V

☒ 400 V

☐ 525 V

☐ Other -----

Number of phases:

☐ One

☐ Two

☒ Three

Phase rotation:

☒ Clockwise

☐ Anticlockwise

Frequency:

☒ 50 Hz

☐ Other ----- d.c.

Main switch type:

☒ Switch disconnector (on-load isolator)

☐ Fuse switch

☐ Circuit-breaker

☐ Earth leakage circuit-breaker

☐ Earth leakage switch disconnector

Number of poles: 3

Current rating: 63 A

A Short-circuit/withstand rating: 6 kA

Rated earth leakage tripping current I_{Δn}:

☒ 30 mA

☐ Other ----- mA

Is surge protection installed (see 6.7.6 and annex I):

☐ Yes

☒ No

Is lightning protection installed (see 6.7.7 and annex I):

☐ Yes

☒ No

Is alternative power supply installed? (See 7.12.)

☐ Yes

☒ No

Is any part of the installation a specialized electrical installation?

☐ Yes

☒ No

Is any part of the installation at a voltage above 1 kV?

☐ Yes

☒ No

If yes, complete additional test reports (see 8.7)

If yes, competent person to approve design and complete additional test reports (see 8.5.2 and SANS 10142-2)

SECTION 3 - DESCRIPTION OF INSTALLATION COVERED BY THIS REPORT (Add additional pages, specification references or drawings, etc., where applicable)

Number of circuits or points	New	Existing	Number of circuits or points	New	Existing
Lighting circuits	3		Fan circuits		
Lighting points	59				
Socket-outlet circuits	16				
Socket-outlets	26		Fixed appliance circuits		
Air-conditioning circuits	2				
Transformer circuits:					
Lighting	/				
Bell	/		Earth leakage protects:		
Other	/		Complete installation	/	
Heating circuits	/		Only part of installation	/	
Alternative power supply connections	/				
Other circuits or points	Sub DB	1	Other circuits or points	/	
			Other circuits or points	/	

SECTION 4 - INSPECTION AND TESTS (new and existing installations)

Mark as appropriate

	Yes	No	N/A
1. Conductors are of the correct rating and current-carrying capacity for the protective devices and connected load	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Components have been correctly selected and installed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Disconnecting devices are correctly located and all switchgear switches the phase conductors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Circuits, fuses, switches, terminals, earth leakage units, circuit-breakers, distribution boards are correctly and permanently marked or labelled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Tests

	Units	Reading/result	
1. Continuity of bonding	-	Compliant	<input checked="" type="checkbox"/>
2. Resistance of earth continuity conductor at all points of consumption	-	Compliant	<input checked="" type="checkbox"/>
3. Continuity of ring circuits (if applicable)	-	N/A	
4. Earth loop impedance test: at main or local switch	Ω	0.71	
5. Neutral loop impedance test: at main or local switch	Ω	N/A	
6. Prospective short-circuit current at main or local switch (PSCC)	kA	----- kA	<input type="checkbox"/> Calculated <input checked="" type="checkbox"/> Measured
7. Elevated voltage between incoming neutral and external earth (ground)	V	0.62	
8. Insulation resistance	MΩ	0.102	
9. Voltage at distribution board with no load for each phase to neutral	V	R 230v	Y B
10. Voltage at distribution board with load (as calculated for full load) for each phase to neutral	V	R 210v	Y B
11. Value of operation of earth leakage units	mA	20mA	
12. Operation of earth leakage test button	-	correct	<input checked="" type="checkbox"/>
13. Polarity of points of consumption	-	correct	<input checked="" type="checkbox"/>
14. Phase rotation is consistent at points all of consumption for three-phase systems	-	correct	N/A <input type="checkbox"/>
15. All switching devices, make-and-break circuits	-	correct	<input checked="" type="checkbox"/>

Comments:

Comments on parts of the installation not covered by this report:

SECTION 5 RESPONSIBILITY - INSPECTION AND TESTS

I, being the person responsible for the INSPECTION AND TESTING of the electrical installation, particulars of which are described in section 3 of this form, CERTIFY that the inspection and testing were done in accordance with this part of SANS 10142, that the results obtained and reflected on this report are correct, and indicate The extent of liability of the signatory is limited to the installation described in section 3 of this form.

Name of registered person: THABANI BENEDICTON NDABA

Registration Certificate No.: IE 28019

Type of registration: ☐ Master installation electrician

☒ Installation electrician

☐ Single-phase tester

Signature: [Signature]

Date: 24 JUNE 2021

Tel no.: 031 464 7372 / 072 973 6103