



31 July 2026

NOTICE TO TENDERERS NO: 1

TENDER NUMBER: 36Q/2026/27

DESCRIPTION: ELSIES RIVER INFILL HOUSING PROJECT: ERVEN 36706, 37031 AND 34159, GOODWOOD: CONSTRUCTION OF 376 TOP STRUCTURES, ELECTRICAL INFRASTRUCTURE INCLUDING STREETLIGHTS, LANDSCAPING AND SIDEWALKS

CLOSING DATE OF TENDER: 04 September 2026

BOX NUMBER: 181

Dear Sir/Madam

This Notice to tenderers forms an integral part of the Contract and is an addendum to be bound into the Project Document Tenderers are therefore requested to:

Record receipt of this Notice on **Schedule 24: Record of Addenda to Tender Documents**.

Tenderers must **sign and return this Notice (append to Schedule 24) together with their completed tender document**.

ADDITIONS TO SECTION D: ELECTRICAL WORKS OF THE BOQ:

Tenderers to note the following pages/additions were added to **SECTION D: ELECTRICAL WORKS** of the BOQ, ending at BOQ Line Item **D7.10.1** on **page 101** onwards:

Pages added to Section D: Electrical Works of the BOQ are as follows:

Page 101-A to Page 101-N (BOQ Line Item "D7.11" to BOQ Line Item "D17.9.3")

Additional BOQ pages attached hereto as **Annexure A**

Tenderers must acknowledge receipt of this Notice to Tenderers !, on the relevant tender schedule

Yours faithfully,

PP

.....
For: Adiel Bloew

Director: Supply Chain Management

WRITTEN ACKNOWLEDGEMENT OF RECEIPT

NOTICE TO TENDERERS NO: 1

CITY OF CAPE TOWN

BOX NUMBER: 181

for

TENDER NUMBER: 36Q/2026/27

**DESCRIPTION: ELSIES RIVER INFILL HOUSING PROJECT: ERVEN 36706, 37031 AND 34159, GOODWOOD:
CONSTRUCTION OF 376 TOP STRUCTURES, ELECTRICAL INFRASTRUCTURE INCLUDING STREETLIGHTS,
LANDSCAPING AND SIDEWALKS**

CLOSING DATE OF TENDER: 04 September 2026

Kindly acknowledge receipt of this Addendum by e-mailing : SCM.Tenders14@capetown.gov.za.

We acknowledge receipt of the above Addendum and confirm that any tender we submit will take account of the instructions detailed therein.

Signature..... Date.....

Legal and full name of tendering entity:

.....

Annexure A

Page 101-A to Page 101-N (BOQ Line Item “D7.11” to BOQ Line Item “D17.9.3”)

Item	Reference Number	Bill description	Unit	Bill qty	RATE	AMOUNT
		Brought forward				
D7.11		LUMINAIRES				
D7.11.1		Supply and install 31W BEKA LEDlume mini or equivalent ,complete with side entry spigot, 0 degrees, no outreach arm.	No.	51,0		
		<u>Other Work:</u>				
D7.11.2		Wiring and connecting of light fittings, as specified, including termination, glands and 10A, 6 kA protective device	No.	51,0		
D7.11.3		Supply and install approved labels on all luminaires as specified.	No.	51,0		
D7.12		EARTHING & BONDING				
D7.12.1		Complete Earthing & bonding of Streetlighting Installation including earthing conductors, earth electrodes, testing, commissioning complete.	Sum	1,0		
D7.13		MEASUREMENTS				
D7.13.1		Lighting measurements as per SANS 10098-1, taken over typical road sections and included in the O&M manual.	Sum	1,0		
D7.14		TESTING AND COMMISSIONING				
D7.14.1		Test and commission complete lighting installation, and for re-testing as may be required after making good of all defective work to the satisfaction of the Engineer.	Sum	1,0		
D7.14.2		Lighting test report, including schedule of lighting test results / measurements for the complete lighting installation. To be included in O&M manual.	Sum	1,0		
D7.15		TESTING AND COMMISSIONING:				
D7.15.1		Provide marked-up copy of "As-Built" record drawings of the complete electrical Installation	Sum	1,0		

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SECTION D: ELECTRICAL WORKS

D7.15.2		Provide O&M manual for complete electrical installation as specified. To be reviewed before being issued.	No.	3,0		
D7.15.3		Final site inspection and handover of the complete electrical installation to the Client, including providing the necessary explanation and training on the operation and maintenance of the installation to the relevant Client's Representatives	Sum	1,0		
Item	Reference Number	Bill description	Unit	Bill qty	RATE	AMOUNT
D8		SITE 5				
D8.1		CONNECTION COSTS				
D8.1.1		Allow for Applications to, liaison with, co-ordination with and commissioning with Supply Authority for Shut Downs and/or Changeover, reconnection to the existing electricity network.	Sum	1,0		
D8.1.2		Provisional sum for the Connection Fee for the Supply Authority to Switch, Cut and Joint to the existing electrical network.	Prov.Sum	1,0	50 000,00	
D8.1.3		Add % mark-up to Provisional Sum 1.16 above	%			
D8.2		TESTING AND CERTIFICATION				
D8.2.1		Provision of all required testing / certificates as required by the Supply Authority.	Sum	1,0		
D8.2.2		Provide for attendance at all required supply authority inspections	Sum	1,0		
		Carried forward				
Item	Reference Number	Bill description	Unit	Bill qty	RATE	AMOUNT
		Brought forward				
D9		DAYWORKS (Provisional)				
D9.1		LABOUR (Normal time)				
		The rates for labour in Dayworks are to be applied to the hours worked and they are to include for the cost of labour, overheads, profit, all levies, bonuses, leave pay:				
D9.1.1		Electrician - single phase.	hrs	100,0		
D9.1.2		Electrician - three phase.	hrs	100,0		
D9.1.3		Master Electrician	hrs	40,0		
D9.1.4		Supervisor	hrs	40,0		
D9.1.5		Apprentice.	hrs	100,0		
D9.1.6		Labourer.	hrs	200,0		
		Time sheets specifying the time spent daily upon the work (with the names of the work-men) and the materials employed in Dayworks shall be delivered to the Engineer weekly in accordance with the terms of the Conditions of Contract. Payment for dayworks will not be considered unless time sheet records are agreed with the Engineer on a weekly basis.				
		Carried forward				

SECTION D: ELECTRICAL WORKS

Item	Reference Number	Bill description	Unit	Bill qty	RATE	AMOUNT
		Brought forward				
		PLANT, etc				
		The costs of mechanically operated plant and transport, etc., in Dayworks are to be based on the nett costs and shall be substantiated with audited statements and invoices presented to and agreed with the Engineer on a weekly basis:				
D9.1.7		General purpose single phase generator for use on site	hrs	40,0		
D9.1.8		Cherry-picker" with 10m vertical reach and 2m outreach.	hrs	40,0		
D9.1.9		Cherry-picker" with 15m vertical reach and 2 m outreach.	hrs	40,0		
D9.1.10		Scaffolds	hrs	80,0		
D9.1.11		Jack Hammer	hrs	40,0		
D9.1.12		Compactor	hrs	40,0		
D9.1.13		Roller for compacting trenches	hrs	40,0		
		Carried forward				
Item	Reference Number	Bill description	Unit	Bill qty	RATE	AMOUNT
		Brought forward				
D10	D-DT-0854	TRENCHING, EXCAVATIONS & SLEEVES				
D10.1	SANS 1200 LC, 8.2.2	Excavate in all materials for trenches for cables and cable sleeves up to 200 mm DN, backfill, compact to 93% MOD AASHTO (100% for sand), and dispose of surplus/unsuitable material, for total trench depth (SANS 1200 LC, 8.2.2):				
D10.1.1		Exceeding 0,0 m but not exceeding 1,5 m	m ³	192,0		
D10.1.2		Excavate in soft/intermediate material	m ³	40,0		Rate Only
D10.1.3		Excavate and dispose of unsuitable material from trench bottom (Provisional)	m ³	40,0		Rate Only
D10.1.4		Imported bedding material, where ordered (SANS1200 LC, 8.2.6) (provisional)	m ³	40,0		Rate Only
D10.1.5		Compaction tests	No	20,0		
	SANS1200 DB, 8.3.6	Finishing (SANS1200 DB, 8.3.6) Reinstatate road surfaces complete with all courses				
D10.1.6		a) Gravel on shoulders 150mm thick	m ²	20,0		
D10.1.7		b) Asphalt of 30mm thickness	m ²	20,0		
		Supply, lay, bed and prove duct (SANS1200 LC, 8.2.5):				
D10.1.8		160 mm diameter heavy duty, smooth bore, orange, socketed PVC sleeve	m	0		
D10.1.9		160 mm diameter, heavy duty, smooth bore, orange, socketed uPVC sleeve, jacked under existing road	m	0		
D10.1.10		Draw pipes / manholes (SANS1200 LC, 8.2.7)	No	0		

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SECTION D: ELECTRICAL WORKS

		Sleeve Pipes:				
		Heavy duty, smooth bore, orange, socketed uPVC sleeves laid in trench inclusive of all couplings and draw wires:				
D10.1.11		50 mm dia. Sleeve	m	0		
D10.1.12		110 mm dia. Sleeve	m	448,0		
D10.1.13		160 mm dia. Sleeve	m	0		
D10.1.14		50 mm dia. x 90 degree slow bend	No.	0		
D10.1.15		110 mm dia. x 90 degree slow bend	No.	0		
D10.1.16		160 mm dia. x 90 degree slow bend	No.	0		
D10.1.17		PVC warning tape in trench above cables or sleeves	m	848,0		
D10.1.18		6 mm diameter nylon draw cord in sleeve	m	0		
D10.1.19		Seal sleeve ends with approved water-proof material	No.	112,0		
	SANS 1200 LC, 8.2.8	CABLE MARKERS (SANS 1200 LC, 8.2.8)				
D10.1.20		a) Route markers	No	128,0		
D10.1.21		b) Kerb markers	No	128,0		
		Carried forward				
Item	Reference Number	Bill description	Unit	Bill qty	RATE	AMOUNT
		Brought forward				
D11		MV / LV RETICULATION				
D11.1		MINIATURE SUBSTATIONS				
	D-DT-0859	Supply and install miniature substation complete with plinth and fused RMU to specification of Eskom:				
D11.1.1		500 kVA	No	1,0		
D11.1.2		Supply and install complete set of padlocks for miniature substation	No	2,0		
D11.2		MV CABLES				
	D-DT-1175	Supply and install 6,35/11 kV cable:				
D11.2.1		95 mm ² x 3C (Al) XLPE	m	30,0		
D11.2.2		120 mm ² x 3C (Al) XLPE	m	0		
D11.3		MV CABLE JOINTS				
	D-DT-8007	Supply and install 6,35/11 kV cable joint:				
D11.3.1		70mm ² x 3C (Cu) PILC to 95 mm ² x 3C (Cu) XLPE	No	0		
D11.3.2		95 mm ² x 3C (Cu) XLPE to 185 mm ² x 3C (Al) XLPE	No	2,0		
D11.3.3		120 mm ² x 3C (Al) XLPE to 120 mm ² x 3C (Al) XLPE	No	0		
D11.4		MV CABLE TERMINATIONS				
	D-DT-8005	Supply and install 6,35/11 kV cable termination:				

SECTION D: ELECTRICAL WORKS

D11.4.1		95 mm ² x 3C (Al) XLPE in minisub	No	2,0		
		Carried forward				
Item	Reference Number	Bill description	Unit	Bill qty	RATE	AMOUNT
		Brought forward				
D11.5		LV CABLES				
	D-DT-1176	Supply and install 600/1000 V PVC PVC SWA PVC cable with conductor material as shown:				
D11.5.1		35 sq mm x 4C (Al)	m	130,0		
D11.5.2		50 sq mm x 4C (Al)	m	0		
D11.5.3		70 sq mm x 4C (Al)	m	125,0		
D11.5.4		120 sq mm x 4C (Al)	m	52,0		
D11.5.5		185 sq mm x 4C (Al)	m	46,0		
D11.6		LV CABLE JOINTS				
	D-DT-8014	Supply and install 600/1000 V PVC PVC SWA PVC cable joint:				
D11.6.1		35 sq mm x 4C (Al)	No	0		
D11.6.2		50 sq mm x 4C (Al)	No	0		
D11.6.3		70 sq mm x 4C (Al)	No	0		
D11.6.4		120 sq mm x 4C (Al)	m	0		
D11.6.5		185 sq mm x 4C (Al)	m	0		
D11.7		LV CABLE TERMINATIONS				
	D-DT-8005	Supply and install 600/1000 V PVC PVC SWA PVC cable termination:				
D11.7.1		35 sq mm x 4C (Al)	No	4,0		
D11.7.2		70 sq mm x 4C (Al)	No	4,0		
D11.7.3		120 sq mm x 4C (Al)	No	2,0		
D11.7.4		185 sq mm x 4C (Al)	m	2,0		
		Carried forward				
Item	Reference Number	Bill description	Unit	Bill qty	RATE	AMOUNT
		Brought forward				
D11.8		CABLE PROTECTION				
		Supply and install protection in cable trenches:				
D11.8.1		PVC danger tape (600mmwide)	m	400,0		
D11.8.2		20 MPa concrete slab 400 mm x 400mm x 50mm	No.	0		
D11.9		METER / DISTRIBUTION KIOSKS				
		Supply and install meter kiosks wired for energy dispensers:				

SECTION D: ELECTRICAL WORKS

D11.9.1		Kiosk	No.	6,0		
D11.10		SERVICE CONNECTIONS:				
		Supply and install 600/1000 V service connection cable:				
D11.10.1		16 mm ² x 2C (Cu) PVC PVC SWA PVC	m	756,0		
D11.11		CABLE JOINTS				
	D-DT-8014	Supply and install 600/1000 V service connection cable joint:				
D11.11.1		16 mm ² x 2C (Cu) PVC PVC SWA PVC	No.	0		
		Supply and install 600/1000 V service connection cable termination:				
D11.11.2		16 mm ² x 2C (Cu) PVC PVC SWA PVC	No.	128,0		
D11.12		CABLE END SEALS				
		Supply and install end cap seal for 600/1 000 V service connection cable:				
D11.12.1		16 mm ² x 2C (Cu) PVC PVC SWA PVC	No.	128,0		
		Carried forward				
Item	Reference Number	Bill description	Unit	Bill qty	RATE	AMOUNT
		Brought forward				
D11.13		CABLE MARKERS				
D11.13.1		Supply and install service connection position marking(s)	No.	70,0		
D11.14		SUNDRIES				
D11.14.1		Test and commission complete MV / LV Reticulation installation.	Sum	1,0		
D11.14.2		All labelling and notices as required by law and to Eskom Standard	Sum	1,0		
D11.15		ELECTRICITY DISPENSING UNITS				
D11.15.1	DST34-434 and DST34-1635	Collect, install and commission the utility prepaid split meter (free issue); capture the installation information and complete the CI sheet and populate the PCS file; submit all info to the Supply authority	No.	64		
D12		EARTHING SYSTEM				
D12.1		EARTH CONDUCTORS				
		Supply and install BCEC in cable trench:				
D12.1.1		25 sq mm	m	155,0		
D12.1.2		35 sq mm	m	0		
D12.1.3		50 sq mm	m	52,0		
D12.1.4		70 sq mm	m	46,0		
D12.2		EARTH PEGS				
	D-DT-0830	Supply and install 16 mm thick solid copper earth peg c/w termination clamp and concrete cover				

SECTION D: ELECTRICAL WORKS

D12.2.1		1,8 m long	No.	16,0		
D12.3		TERMINATIONS				
	D-DT-8005	Supply and install termination or connection of BCEC:				
D12.3.1		25 sq mm	No.	8,0		
D12.3.2		35 sq mm	No.	0		
D12.3.3		50 sq mm	No.	2,0		
D12.3.4		70 sq mm	No.	2,0		
		Supply and install complete earthing system as specified:				
D12.3.5	D-DT-0855	At miniature substation	No.	1,0		
D12.3.6		At Distribution Kiosks	No.	6,0		
D12.3.7		At Lighting Control Box	No.	1,0		
D12.4		TESTS				
		Conduct earth resistance and continuity test and issue test certificate				
D12.4.1		At miniature substation	No.	1,0		
D12.4.2		At Distribution Kiosks	No.	6,0		
D12.4.3		At Lighting Control Box	No.	1,0		
		Carried forward				
Item	Reference Number	Bill description	Unit	Bill qty	RATE	AMOUNT
		Brought forward				
D13		STREETLIGHTING INSTALLATION				
D13.1		LV CABLES				
		600/1 000V grade, PVC/PVC/SWA/PVC armoured cable laid in open trenches, sleeves and on tray / ladder as required. Cable terminations / joints to include glands, shrouds, lugs, connections and commissioning.				
D13.1.1		25mm ² 4 Core Al Solid PVC PVC SWA PVC	m	190,0		
D13.1.2		35mm ² 4 Core Al Solid PVC PVC SWA PVC	m	60,0		
D13.1.3		2,5mm ² PVC 3 core red/black/green luminaire connecting wiring	m	40,0		
D13.2		CABLE TERMINATIONS				
D13.2.1		Terminate (dinky connectors) 25mm ² 4-Core Al Solid PVC PVC SWA PVC	No.	10,0		
D13.2.2		Terminate 35mm ² 4 Core Al Solid PVC PVC SWA PVC	No.	2,0		
D13.2.3		Terminate: 2,5mm ² PVC 3 core red/black/green luminaire connecting wiring	No.	10,0		
		Carried forward				
Item	Reference Number	Bill description	Unit	Bill qty	RATE	AMOUNT

SECTION D: ELECTRICAL WORKS

		Brought forward				
D13.3		LIGHTING CONTROL BOX				
D13.3.1		Pole mounted standard COCT 4-way lighting control box complete with all switchgear, including 60 A / 5kA TP main switch, 9 x 10A / 5kA SP CB's, 60 A, AC3, 3P contactor, by-pass isolator, miniature PEC in kiosk, class 1 / 2, 4-module, 40 kA surge arresters and IP 66 SSO and 20 A ELCB in kiosk, etc. as indicated on the drawings.	No	1,0		
D13.4		POLE INSTALLATION				
D13.4.1		7.2 m street light pole, COCT Type SL-37, complete with access door, facilities timber board for mounting fuse holders and side entry luminaire adaptor, COCT type SL-36, including excavation to 1200mm BGL, backfill and compaction to 93% MOD AASHTO (100% for SAND) and transport.	No.	5,0		
		Accessories:				
D13.4.2		Approved COCT 10A, 6 kA protective device fuse fixed to timber board in base of pole	No.	5,0		
		Carried forward				
Item	Reference Number	Bill description	Unit	Bill qty	RATE	AMOUNT
		Brought forward				
D13.5		LUMINAIRES				
D13.5.1		Supply and install 31W BEKA LEDlume mini or equivalent ,complete with side entry spigot, 0 degrees, no outreach arm.	No.	5,0		
		Other Work:				
D13.5.2		Wiring and connecting of light fittings, as specified, including termination, glands and 10A, 6 kA protective device	No.	5,0		
D13.5.3		Supply and install approved labels on all luminaires as specified.	No.	5,0		
D13.6		EARTHING & BONDING				
D13.6.1		Complete Earthing & bonding of Streetlighting Installation including earthing conductors, earth electrodes, testing, commissioning complete.	Sum	1,0		
D13.7		MEASUREMENTS				
D13.7.1		Lighting measurements as per SANS 10098-1, taken over typical road sections and included in the O&M manual.	Sum	1,0		
		Carried forward				
Item	Reference Number	Bill description	Unit	Bill qty	RATE	AMOUNT
		Brought forward				
D13.8		TESTING AND COMMISSIONING				
D13.8.1		Test and commission complete lighting installation, and for re-testing as may be required after making good of all defective work to the satisfaction of the Engineer.	Sum	1,0		

SECTION D: ELECTRICAL WORKS

D13.8.2		Lighting test report, including schedule of lighting test results / measurements for the complete lighting installation. To be included in O&M manual.	Sum	1,0		
D13.9		TESTING AND COMMISSIONING:				
D13.9.1		Provide marked-up copy of "As-Built" record drawings of the complete electrical installation	Sum	1,0		
D13.9.2		Provide O&M manual for complete electrical installation as specified. To be reviewed before being issued.	No.	3,0		
D13.9.3		Final site inspection and handover of the complete electrical installation to the Client, including providing the necessary explanation and training on the operation and maintenance of the installation to the relevant Client's Representatives	Sum	1,0		
Item	Reference Number	Bill description	Unit	Bill qty	RATE	AMOUNT
D14		SITE 7				
D14.1		CONNECTION COSTS				
D14.2		Allow for Applications to, liaison with, co-ordination with and commissioning with Supply Authority for Shut Downs and/or Changeover, reconnection to the existing electricity network.	Sum	1,0		
D14.3		Provisional sum for the Connection Fee for the Supply Authority to Switch, Cut and Joint to the existing electrical network.	Prov. Sum	1,0	50 000,00	
D14.4		Add % mark-up to Provisional Sum 1.16 above	%			
D14.5		TESTING AND CERTIFICATION				
D14.5.1		Provision of all required testing / certificates as required by the Supply Authority.	Sum	1,0		
D14.5.1		Provide for attendance at all required supply authority inspections	Sum	1,0		
D15		DAYWORKS (Provisional)				
D15.1		LABOUR (Normal time)				
		The rates for labour in Dayworks are to be applied to the hours worked and they are to include for the cost of labour, overheads, profit, all levies, bonuses, leave pay:				
D15.1.1		Electrician - single phase.	hrs	100,0		
D15.1.2		Electrician - three phase.	hrs	100,0		
D15.1.3		Master Electrician	hrs	40,0		
D15.1.4		Supervisor	hrs	40,0		
D15.1.5		Apprentice.	hrs	100,0		
D15.1.6		Labourer.	hrs	200,0		
		Time sheets specifying the time spent daily upon the work (with the names of the work-men) and the materials employed in Dayworks shall be delivered to the Engineer weekly in accordance with the terms of the Conditions of Contract. Payment for dayworks will not be considered unless time sheet records are agreed with the Engineer on a weekly basis.				

SECTION D: ELECTRICAL WORKS

		Carried forward				
Item	Reference Number	Bill description	Unit	Bill qty	RATE	AMOUNT
		Brought forward				
		PLANT, etc				
		The costs of mechanically operated plant and transport, etc., in Dayworks are to be based on the nett costs and shall be substantiated with audited statements and invoices presented to and agreed with the Engineer on a weekly basis:				
D15.1.7		General purpose single phase generator for use on site	hrs	40,0		
D15.1.8		Cherry-picker" with 10m vertical reach and 2m outreach.	hrs	40,0		
D15.1.9		Cherry-picker" with 15m vertical reach and 2 m outreach.	hrs	40,0		
D15.1.10		Scaffolds	hrs	80,0		
D15.1.11		Jack Hammer	hrs	40,0		
D15.1.12		Compactor	hrs	40,0		
D15.1.13		Roller for compacting trenches	hrs	40,0		
		Carried forward				
Item	Reference Number	Bill description	Unit	Bill qty	RATE	AMOUNT
		Brought forward				
D16		ELECTRICAL OVERHEAD RETICULATION				
D16.1	D-DT 0350, 0342	Excavate, backfill and compact as per Eskom standard and import backfill soil where required for holes and trenches for poles, stays, flying stays and earth electrodes (all material measured elsewhere)				
D16.1.1		Excavate Holes Depth:1.5 to 2.0m ...soft soil	No.	2		
D16.1.2		Backfill & compact pole holes	No.	2		
		Layout and fit poles fully at hole position on site to ensure ease of lifting by hand or crane when planting				
D16.1.3		Layout and fit pole (by crane) 7 - 13m Conc/Wood	No.	2		
D16.2	D-DT 0050 to 0058	Erect (Plant) Poles				
D16.2.1		Erect (Plant) poles (by crane) 4 - 7m Conc/Wood	No.	2		
D16.2.2		Assemble Struct. LV Insulators/ABC	No.	2		
D16.3	D-DT 0341 to 0343	Assemble and Erect Struts and Stays				
D16.3.1		Stays: Make-off Conventional Stays LV	No.	2		
D16.3.2		Install Conventional Stays & Backfill LV	No.	2		
D16.3.3		Install Flying Stays & Backfill LV	No.	2		
		Carried forward				

SECTION D: ELECTRICAL WORKS

Item	Reference Number	Bill description	Unit	Bill qty	RATE	AMOUNT
		Brought forward				
D16.4	D-DT 3136	Run out, String, tension, regulate and bind in various conductors (inclusive of hardware and accessories)				
D16.4.1		Run out/ String/binding conductor ABC 70mm	m	95		
D16.4.2		Making off tail ends in pole top box ABC	No.	10		
D16.4.3		Morsdorfer Installation	No.	3		
D16.4.4		Install LV Fuse Unit as per Eskom D-DT0030 assembly drawings. (Accessories inclusive of fuse bracket & mounting hardware, fuse holders and labels)	No.	1		
D16.4.5		BOX,POLE TOP SPLIT METER 4-WAY 50A D3054	No.	1		
D16.4.6		BOX,POLE TOP SPLIT METER 9-WAY 50A D3054	No.	1		
D16.5		Earthing at end of run and transformer points of LV line. (include trenching, backfill & compact for earthing, bonding, BIL downwire, spikes and connection thereof)				
D16.5.1		Trenching	m	5		
D16.5.2		Earthing complete @ structure using galvanized kicker pipes	No.	4		
D16.5.3		Testing of Transformer earthing (Hoenderpoort)	No.	4		
D16.6		Finishing of various types of structures complete for energising				
D16.6.1		Finishing of LV Structures Intermediate	No.	1		
D16.6.2		Finishing of LV Structures Suspension	No.	1		
D16.6.3		Finishing of LV Structures Strain	No.	2		
D16.6.4		Finishing of LV Structures Terminal	No.	1		
		Carried forward				
Item	Reference Number	Bill description	Unit	Bill qty	RATE	AMOUNT
		Brought forward				
D16.7		Labelling				
D16.7.1		Label wood pole number (LV Only)	No.	2		
D16.7.2		Label pole mounted LV fuse/brkr	No.	1		
D16.7.3		Print numbering label onto LV pole top box	No.	2		
D16.7.3		Identify and label service connections in pole top box	No.	9		
D16.7.4		Identify and label feeder cables (Label at both ends)	No.	9		
D16.7.6		Identify and label LV service connection cables	No.	9		
D16.7.7		Identify and label customer meters in LV meterbox/meter room	No.	9		
D16.8		Service Connections				
D16.8.1		Connect airdac to breaker (inside pole top box), string airdac to brick built house, drill access hole, fit pigtail and switch on	m	300		

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D16.8.2		Upload of PCS file and completion of application form with meter number, date of installation, GPS co-ordinates of meter (brick built) or transformer (informal dwelling/shack) and other relevant technical information still outstanding on application form	per co	9		
D16.8.3		Connect service cable to meter per dwelling	No.	9		
D16.8.4		Test installation and provide COC	No.	9		
D16.8.5		Installation of IPC	No.	18		
D16.8.6		Installation of split meter complete	No.	9		
		Carried forward				
Item	Reference Number	Bill description	Unit	Bill qty	RATE	AMOUNT
		Brought forward				
D16.9	D-DT 03550, 0342	Excavate, backfill and compact as per Eskom standard and import backfill soil where required for holes and trenches for poles, stays, flying stays and earth electrodes (all material measured elsewhere)				
D16.9.1		Excavate Holes Depth:1.5 to 2.0m ...soft soil	No.	2		
D16.10		Layout and fit poles fully at hole position on site to ensure ease of lifting by hand or crane when planting				
D16.10.1		Layout and fit pole (by crane) 7 - 13m Conc/Wood	No.	2		
D16.11	D-DT 0050 to 0058	Erect (Plant) Poles				
D16.11.1		Erect (Plant) pole (by crane) 7 - 13m Conc/Wood	No.	2		
D16.12	D-DT 0341 to 0343	Assemble and Erect Struts and Stays				
D16.12.1		Assemble and Erect Strut (by crane)	No.	2		
D16.12.2		Stays: Make-off Conventional Stays	No.	2		
D16.12.3		Install Conventional Stays & Backfill LV	No.	2		
D16.12	D-DT 3136	Run out, String, tension, regulate and bind in various conductors (inclusive of hardware and accessories)				
D16.12.1		Run out/ String/tension/regulate bind in MV Bare conductor (Squirrel, Fox, Mink, Acacia, Pine). Greased or ungreased	m	15		
D16.13	D-DT 0420 to 0468 & D-DT 1860 to 1868	Transformers: (Complete installation include earthing)				
D16.13.1		11-22kV, and 33kV : 16-100kVA Single / 3 Phase	No.	1		
D16.14	D-DT 1821 to 1877	Equipment: (Complete installation include earthing where required)				
D16.14.1		Surge Arrestors	No.	4		
D16.14.2		Cut-out Fuses Complete (Fused) (D-WC-6498)	No.	1		

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D16.15	D-DT 1821 to 1877	Earthing				
D16.15.1		Excavate and backfill trenches 400mm wide x 1000mm deep and lay 10mm round cable and make connections complete	m	60		
D16.15.1		Installation of earth spikes.	No.	8		
D16.16		MV & LV Testing (Allowance for complete testing and commissioning of MV Equipment. Soil resistance test for equipment to be performed as per Eskom Standard and verified by Eskom's Clerk of Works)				
D16.16.1		MV Earth Electrode Test	No.	4		
D16.16.2		Transformer LV Earth Electrode Test	No.	4		
D16.17		Labeling of MV equipment				
D16.17.1		Label pole mounted Trfr. Number	No.	1		
D16.17.2		Label mounted device number (Fuse, Switch, Link etc.)	No.	1		
D16.17.3		Label wood pole	No.	2		
		Carried forward				
Item	Reference Number	Bill description	Unit	Bill qty	RATE	AMOUNT
		Brought forward				
D17		STREETLIGHTING INSTALLATION				
D17.1		LV CABLES				
		600/1 000V grade, PVC/PVC/SWA/PVC armoured cable laid in open trenches, sleeves and on tray / ladder as required. Cable terminations / joints to include glands, shrouds, lugs, connections and commissioning.				
D17.1.1		25mm ² 4 Core Al Solid PVC PVC SWA PVC	m	35,0		
D17.1.2		35mm ² 4 Core Al Solid PVC PVC SWA PVC	m	35,0		
D17.1.3		2,5mm ² PVC 3 core red/black/green luminaire connecting wiring	m	20,0		
D17.2		CABLE TERMINATIONS				
D17.2.1		Terminate (dinky connectors) 25mm ² 4-Core Al Solid PVC PVC SWA PVC	No.	4,0		
D17.2.2		Terminate 35mm ² 4 Core Al Solid PVC PVC SWA PVC	No.	2,0		
D17.2.3		Terminate: 2,5mm ² PVC 3 core red/black/green luminaire connecting wiring	No.	4,0		
D17.3		LIGHTING CONTROL BOX				
D17.3.1		Pole mounted standard COCT 4-way lighting control box complete with all switchgear, including 60 A / 5kA TP main switch, 9 x 10A / 5kA SP CB's, 60 A, AC3, 3P contactor, by-pass isolator, miniature PEC in kiosk, class 1 / 2, 4-module, 40 kA surge arresters and IP 66 SSO and 20 A ELCB in kiosk, etc. as indicated on the drawings.	No	0		
D17.4		POLE INSTALLATION				

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D17.4.1	7.2 m street light pole, COCT Type SL-37, complete with access door, facilities timber board for mounting fuse holders and side entry luminaire adaptor, COCT type SL-36, including excavation to 1200mm BGL, backfill and compaction to 93% MOD AASHTO (100% for SAND) and transport.	No.	2,0		
	<u>Accessories:</u>				
D17.4.2	Approved COCT 10A, 6 kA protective device fuse fixed to timber board in base of pole	No.	2,0		
D17.5	LUMINAIRES				
D17.5.1	Supply and install 31W BEKA LEDlume mini or equivalent ,complete with side entry spigot, 0 degrees, no outreach arm.	No.	2,0		
	<u>Other Work:</u>				
D17.5.2	Wiring and connecting of light fittings, as specified, including termination, glands and 10A, 6 kA protective device	No.	2,0		
D17.5.3	Supply and install approved labels on all luminaires as specified.	No.	2,0		
D17.6	EARTHING & BONDING				
D17.6.1	Complete Earthing & bonding of Streetlighting Installation including earthing conductors, earth electrodes, testing, commissioning complete.	Sum	1,0		
D17.7	MEASUREMENTS				
D17.7.1	Lighting measurements as per SANS 10098-1, taken over typical road sections and included in the O&M manual.	Sum	1,0		
D17.8	TESTING AND COMMISSIONING				
D17.8.1	Test and commission complete lighting installation, and for re-testing as may be required after making good of all defective work to the satisfaction of the Engineer.	Sum	1,0		
D17.8.2	Lighting test report, including schedule of lighting test results / measurements for the complete lighting installation. To be included in O&M manual.	Sum	1,0		
D17.9	TESTING AND COMMISSIONING:				
D17.9.1	Provide marked-up copy of "As-Built" record drawings of the complete electrical Installation	Sum	1,0		
D17.9.2	Provide O&M manual for complete electrical installation as specified. To be reviewed before being issued.	No.	3,0		
D17.9.3	Final site inspection and handover of the complete electrical installation to the Client, including providing the necessary explanation and training on the operation and maintenance of the installation to the relevant Client's Representatives	Sum	1,0		
TOTAL SECTION D: ELECTRICAL WORKS Carried Forward To Summary					