

FINANCE SUPPLY CHAIN MANAGEMENT

E: <u>HumanSettlement.Tenders@capetown.gov.za</u>

30 APRIL 2024

NOTICE TO TENDERERS NO. 2 Page 1 of 44

TENDER NO: 240Q/2023/24

BOX NO: 134

CLOSING DATE: 30 May 2024

DESCRIPTION: CONSTRUCTION OF 126 TOP STRUCTURES, ELECTRICAL ENGINEERING SERVICES AND STREET LIGHTING FOR 126 ERVEN, SIDEWALKS AND LANDSCAPING FOR THE EDWARD AVENUE HOUSING PROJECT

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:

PAGES 55 TO 97 OF THE BILL OF QUANTITIES - PAGES NOT INCLUDED IN THE ADVERTISE DOCUMENT

Tenderers to note that pages 55 to 97 of the Bill of Quantities was omitted from the advertised tender document

Pages 55 to 97 are now included with this Notice 2.

<u>Tenderers MUST acknowledge receipt of Notice 2 and must include pages 56 to 96 with the tender submission prior to tender closing.</u>

Kind Regards,

Human Settlements Tenders and Contracts Practitioner

Director: Supply Chain Management

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CIVIC CENTRE

IZIKO LOLUNTU

BURGERSENTRUM

12 HERTZOG BOULEVARD CAPE TOWN 8001 P O BOX 655 CAPE TOWN 8000

www.capetown.gov.za

Making progress possible. Together.

Tenderers must acknowledge receipt of Notice 1 in Schedule 24 of the tender document and must return the signed notice with their tender submission.

ACKNOWLEDGEMENT OF RECEIPT FOR AND ON BEHALF OF THE TENDERER: TENDER NO 240Q/2023/24

On this
<u>Signature</u> :
Name of Signatory:
(In ink and capitals)
TENDERER:
(Name of firm in ink and capitals)

CIVIC CENTRE IZIKO LOLUNTU BURGERSENTRUM

12 HERTZOG BOULEVARD CAPE TOWN 8001 P O BOX 655 CAPE TOWN 8000 www.capetown.gov.za

ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2		SECTION 2: TRENCHING AND EXCAVATIONS				
2.1		EXCAVATIONS:				
		Excavation of cable trenches (450mm wide unless specified otherwise) to depths and in material conditions as classified below				
		These rates for trenching and excavations shall include for all shoring necessary for support and all pumping necessary to remove water from the trenches and excavations		٠		
.1.1		800mm deep trenches in Class 1 normal pickable soil (Soft rock and earth)	m³	641		
1.2		800mm deep trenches in Class 2 difficult soil (Hard rock) with the aid of a compressor	m³	Rate Only		
1.3		800mm deep trenches in Class 3 soil (Very hard rock) with the aid of blasting	m³	Rate Only		
1.4		1000mm deep trenches in Class 1 normal pickable soil (Soft rock and earth)	m³	38		
1.5		1000mm deep trenches in Class 2 difficult soil (Hard rock) with the aid of a compressor	m³	Rate Only		
1.6		1000mm deep trenches in Class 3 soil (Very hard rock) with the aid of blasting	m³	Rate Only		
1.7		Extra over for trenching through intermediate material (big boulders, calcrete etc. that is hard to loosen by pick or cannot be removed by shovel)	m³	Rate Only		
.8		Extra over for trenching through concrete, paved and tarred road surfaces	m	Rate Only		
.9		Excavations of pilot holes and cross trenches to expose existing services including backfilling and compaction of trenches and reinstatement of trench surface	m	Rate Only		
.10	F	Removal of waste material, handling cost included	m³	338		
		PLACEMENT OF IMPORTED BEDDING AND BLANKET SAND:				
	p	These rates shall include all transport cost and reparation of soil by removing stones and sharp bjects (sifting through a 6mm mesh where required) and compaction of trench				,
1	tr	supply and placement of bedding sand in bottom of ench before installation of cable (layer of 100mm eep for full width of trench)	m³	85		
2	a	upply and placement of blanket sand on top of cable fter installation of cable (blinding layer of 300mm eep for full width of trench)	m³	253		

55

Total Carried Forward

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SCHEDULE 2: DISTRIBUTION AND STREETLIGHT INFRASTRUCTURE

Brought Forward 2.3 BACKFILL OF TRENCH WITH ROUGH MATERIAL: These rates shall include preparation of rough excavated material by removing all stones and sharp objects with a size over 75mm and compaction of trenches in layers not exceeding 150 mm Backfilling with rough material and compaction and reinstatement of trench surface PVC WARNING TAPE: Supply and install orange plastic warning sheet in trench 300mm above cables REPAIRS AND REINSTATEMENT OF ROAD SURFACES: Repairs and Reinstatement of concrete and paved road surfaces Repairs and Reinstatement of premixed road surfaces ROAD CROSSING SLEEVES: Supply and install Class 4 PVC sleeves complete with steel draw wire 6.1 50mmø m DIRECTIONAL DRILLING AT ROAD CROSSINGS: Directional Drilling/Thrustboring for road crossings complete including site establishment, launching and receiving pits and uPVC sleeves with steel draw wire 1.1 110mmø FIBRE DUCT: Supply and install HDPE duct for future installation of fibre optic cable 2.2 Compression couplings for loiding of duct No.			AMOUN'
These rates shall include preparation of rough excavated material by removing all stones and sharp objects with a size over 75mm and compaction of trenches in layers not exceeding 150 mm Backfilling with rough material and compaction and reinstatement of trench surface PVC WARNING TAPE: Supply and install orange plastic warning sheet in trench 300mm above cables REPAIRS AND REINSTATEMENT OF ROAD SURFACES: Repairs and Reinstatement of concrete and paved road surfaces Repairs and Reinstatement of premixed road surfaces ROAD CROSSING SLEEVES: Supply and install Class 4 PVC sleeves complete with steel draw wire ROAD CROSSING SLEEVES: Directional Drilling/Thrustboring for road crossings complete including site establishment, launching and receiving pits and uPVC sleeves with steel draw wire 11 10mmø FIBRE DUCT: Supply and install HDPE duct for future installation of fibre optic cable 12 32mmø HDPE duct in any colour		R	
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Trench 300mm above cables REPAIRS AND REINSTATEMENT OF ROAD SURFACES: Repairs and Reinstatement of concrete and paved road surfaces Repairs and Reinstatement of premixed road surfaces Repairs and Reinstatement of premixed road surfaces ROAD CROSSING SLEEVES: Supply and install Class 4 PVC sleeves complete with steel draw wire 5.1 50mmø m 5.2 75mmø m 5.3 110mmø m DIRECTIONAL DRILLING AT ROAD CROSSINGS: Directional Drillling/Thrustboring for road crossings complete including site establishment, launching and receiving pits and uPVC sleeves with steel draw wire 1 110mmø m FIBRE DUCT: Supply and install HDPE duct for future installation of fibre optic cable 32mmø HDPE duct in any colour m			
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Directional Drilling/Thrustboring for road crossings complete including site establishment, launching and receiving pits and uPVC sleeves with steel draw wire 110mmø m 160mmø m FIBRE DUCT: Supply and install HDPE duct for future installation of fibre optic cable 1228 32mmø HDPE duct in any colour m	84		
complete including site establishment, launching and receiving pits and uPVC sleeves with steel draw wire 110mmø m 160mmø m FIBRE DUCT: Supply and install HDPE duct for future installation of fibre optic cable 1 32mmø HDPE duct in any colour m			
160mmø m FIBRE DUCT: Supply and install HDPE duct for future installation of fibre optic cable 32mmø HDPE duct in any colour m			
Supply and install HDPE duct for future installation of fibre optic cable 32mmø HDPE duct in any colour m	9 Rate Only		
fibre optic cable 32mmø HDPE duct in any colour m			
.	Rate Only		
Compression couplings for jointing of duct No.	Rate Only		
COMPACTION TESTS:			
Compaction tests & the provision of a compaction certificates for proof of trench compaction to specification	1		
al Carried Forward To Summary		R	

SCHEDULE 2: DISTRIBUTION AND STREETLIGHT INFRASTRUCTURE

ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUN'
3		SECTION 3: MINIATURE SUBSTATIONS AND RMU'S				
3.1		TYPE C MINIATURE SUBSTATIONS:				
		Supply and install 11.66 kV/420 Volt, Dyn7, Type C, 3 phase miniature substations complete with MV switchgear (3-way SafeRing type CCF SF6 RMU] and an LV switch compartment (supply and installation of LV circuit breakers listed under separate item). Note: All miniature substations shall comply with the latest City of Cape Town specifications.				
.1.1		200kVA	Sum	Rate Only		
.1.2		315kVA	Sum	Rate Only		
.1.3		500kVA	Sum	1		
.1.4		800kVA	Sum	Rate Only		
.2		PRECAST CONCRETE PLINTH FOR MINIATURE SUBSTATION:				
5	Į.	Supply and install pre-cast concrete plinth for miniature substations as per the latest City of Cape Town specifications including site preparation				
2.1		Pre-cast concrete plinth for Type C miniature substations (200kVA to 800kVA)	Sum	1		
3	ļ	LV FEEDER MCCB's				
	c	Supply and install hydraulic-magnetic technology 3- pole moulded case circuit breakers in the LV switch compartment of new or existing miniature substations complete with cable jumpers in compliance with the atest City of Cape Town specifications.				
3.1	6	33A	Sum	1		
3.2	1	25A	Sum	Rate Only		
3.3	1	60A	Sum	Rate Only		
.4	2	00A	Sum	1		
.5	2	25A	Sum	Rate Only		
.6	2	50A	Sum	2		
.7	30	00A	Sum	1		
.8	3	50A	Sum	Rate Only		
		REESTANDING OUTDOOR RING MAIN UNITS RMU's):				
	Ri wi RI	upply and install 12kV metal-enclosed SF6 insulated ing Main Units for outdoor installations complete ith 3CR12 arc-vented weatherproof kiosk. Note: All MU's shall comply with the latest City of Cape Town secifications.		*		
al Carried F					R	

ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY		AMOUNT
Brought For	rward				R	
3.4.1	-	3-Way non-extensible ring main unit comprising 2 switch-disconnectors and 1 switch-fuse combination complete with 3CR12 weather proof kiosk (SafeRing type CCF or similar approved)		Rate Only	4	
3.4.2		3-Way non-extensible ring main unit comprising 2 switch-disconnectors and 1 circuit breaker complete with 3CR12 weather proof kiosk (SafeRing type CCV or similar approved)	Sum	Rate Only		
1.5		PRECAST CONCRETE PLINTH FOR RMU's				
.5.1		Supply and install pre-cast concrete plinths for the following RMU combinations as per the most recent City of Cape Town specifications including site preparation	Sum	Rate Only		
.6		TESTING AND COMMISSIONING:				
.6.1		Miniature substation testing and commissioning, per miniature substation	No.	1		
6.2		Install relay settings for over current and earth fault relay of RMU circuit breaker feeder	No.	Rate Only		
		RMU commissioning tests including relay trip tests, CT magnetisation tests, CT ratio tests and MV pressure tests as specified, per RMU			ä	
6.3		3-Way CCV RMU	No.			
6.4		MV pressure test of MV feeder cables	Sum	1		
7		SUBSTATION FENCING:				
7.1		Supply and install 1.8m high Galvanized Steel Betafence fencing as per City of Cape Town specifications	m	24		
7.2		Supply and install 0.8m wide,1.8m high Galvanized Steel gate as per City of Cape Town specifications	No.	.1	-	
7.3		Supply and install kerbing blocks along perimeter ence of substation yard	m	24		
.4	c	Supply and spread 100mm thick layer of 19mm rushed yard stone inside substation yard up to erbing	m³	3		
8	L	ABELS AND STATUTORY SAFETY SIGNAGE:				
.1	е	supply and install miniature substation MV and LV ngraved labels and warning signs as specified, per ininiature substation	Sum	1		
2	S	upply and install RMU engraved labels and warning gns as specified, per RMU	Sum	Rate Only		
3		upply substation yard statutory safety and warning gnage, per substation	Sum	1		

58

Total Carried Forward

R

SCHEDULE 2: DISTRIBUTION AND STREETLIGHT INFRASTRUCTURE

SECTION 3: MINIATURE SUBSTATIONS AND RMU'S PAYMENT REFERS ITEM NO. DESCRIPTION UNIT QUANTITY RATE **AMOUNT** Brought Forward R TEMPORARY LOCKS Supply and fit temporary padlocks for miniature substations and RMU's for protection against vandalism and theft until network is taken over by Supply Authority 3.9.1 Sum Total Carried Forward To Summary R 59

SCHEDULE 2: DISTRIBUTION AND STREETLIGHT INFRASTRUCTURE

ITEM NO. 4 4.1 4.1 4.1.1 4.1.2 4.2 4.3		DESCRIPTION SECTION 4: MV CABLE NETWORK MEDIUM VOLTAGE CABLES Supply and install 3 core, 6.35/11kV paper insulated individually copper taped screened, PVC bedded galvanised steel wire armoured, PVC sheathed flame retardant cable with water barrier (PILE 2H G DSTA R) to SANS 97 Table 19, in prepared trenches o sleeves, to the most recent City of Cape Town specifications 120mm² x 3 Core Aluminium 300mm² x 3 Core Aluminium RELOCATE EXISTING LENGTHS OF MV CABLE: Relocate existing excavated and de-energised MV cables from old route to new excavated trenches	1 1 r	QUANTITY 260 Rate Only	RATE	AMOUNT
4.1 4.1.1 4.1.2 4.2 4.2.1 4.2.2		MEDIUM VOLTAGE CABLES Supply and install 3 core, 6.35/11kV paper insulated individually copper taped screened, PVC bedded galvanised steel wire armoured, PVC sheathed flame retardant cable with water barrier (PILE 2H G DSTA R) to SANS 97 Table 19, in prepared trenches o sleeves, to the most recent City of Cape Town specifications 120mm² x 3 Core Aluminium 300mm² x 3 Core Aluminium RELOCATE EXISTING LENGTHS OF MV CABLE:	m	2000 A		
.1.1 .1.2 .2		Supply and install 3 core, 6.35/11kV paper insulated individually copper taped screened, PVC bedded galvanised steel wire armoured, PVC sheathed flame retardant cable with water barrier (PILE 2H G DSTA: R) to SANS 97 Table 19, in prepared trenches o sleeves, to the most recent City of Cape Town specifications 120mm² x 3 Core Aluminium 300mm² x 3 Core Aluminium RELOCATE EXISTING LENGTHS OF MV CABLE: Relocate existing excavated and de-energised MV	m	2000 A		
.2.1		individually copper taped screened, PVC bedded galvanised steel wire armoured, PVC sheathed flame retardant cable with water barrier (PILE 2H G DSTA R) to SANS 97 Table 19, in prepared trenches o sleeves, to the most recent City of Cape Town specifications 120mm² x 3 Core Aluminium 300mm² x 3 Core Aluminium RELOCATE EXISTING LENGTHS OF MV CABLE: Relocate existing excavated and de-energised MV	m	2000 A		
.2.1		300mm² x 3 Core Aluminium RELOCATE EXISTING LENGTHS OF MV CABLE: Relocate existing excavated and de-energised MV		2000 A		
.2.1		RELOCATE EXISTING LENGTHS OF MV CABLE: Relocate existing excavated and de-energised MV	m	Rate Only		
.2.1		Relocate existing excavated and de-energised MV			1	
.2.2				1		
.2.2	ŀ					
		120mm² x 3 Core Aluminium	m	Rate Only		
3	:	300mm² x 3 Core Aluminium	m	Rate Only		
٠		MV CABLE JOINT:				
	Š	Jointing of MV cables including complete jointing kit with all accessories and compound			9	
3.1	1	120mm² x 3 Core Aluminium	No.	2		
3.2	3	300mm² x 3 Core Aluminium	No.	Rate Only		
3.3	7	70mm² BCE	No.	2		
4	N	MV CABLE TERMINATION:				
	te	Fermination of MV cables including complete ermination kit with all accessories (Type RICS 3 or similar approved)				
4.1	1.	20mm² x 3 Core Aluminium	No.	2		
1.2	3	00mm² x 3 Core Aluminium	No.	Rate Only		
5	D	DISCONNECT EXISTING MV CABLES:				
		reak down existing 11kV termination and disconnect able				
5.1	12	20mm² x 3 Core Aluminium	No.	Rate Only		
i.2	30	00mm² x 3 Core Aluminium	No.	Rate Only		
i.	C.	AP AND SEAL MV CABLE ENDS:				
	St	upply and install heat shrink end caps for cables				
.1	12	20mm² x 3 Core Aluminium	No.	Rate Only		
.2	30	00mm² x 3 Core Aluminium	No.	Rate Only		
						343
tal Carried For	rward					

SCHEDULE 2: DISTRIBUTION AND STREETLIGHT INFRASTRUCTURE

SECTION 4: MV CABLE NETWORK

SECTION 4: MV CABLE N						
ITEM NO.	REFERS	DESCRIPTION	UNIT	QUANTITY		AMOUNT
Brought For	ward	DII OT AND TELEBHONE CARLES.			R	
- 1		PILOT AND TELEPHONE CABLES: Supply and install pilot and telephone polyethylene insulated cables				
4.7.1	_	1.5mm² x 7 pair stranded pilot cable	m	Rate Only		
.7.2		0.63mm² 10 pair telephone cable	m	Rate Only		
.8		PILOT AND TELEPHONE CABLE JOINTS:				
	a e	Complete jointing kit with all accessories				
.8.1		1.5mm² x 7 pair stranded pilot cable	No.	Rate Only		
.8.2		0.63mm² 10 pair telephone cable	No.	Rate Only		
.9		PILOT AND TELEPHONE CABLE TERMINATIONS:				
		Complete termination kit with all accessories				
9.1		1.5mm² x 7 pair stranded pilot cable	No.	Rate Only		
9.2		0.63mm² 10 pair telephone cable	No.	Rate Only		
	1					
					- 1	
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	(4)	1				
					1	
					1	
al Carried F	orward To Su	ummary			R	

SCHEDULE 2: DISTRIBUTION AND STREETLIGHT INFRASTRUCTURE

ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY		ABLE NETWO	
5	KEI EKS	SECTION 5: LV CABLE NETWORK	+	GOARTIII	IVATE	AMOUN	_
5.1		LV FEEDER CABLES:					
5.1.1		Supply and install 2 and 4 core 600/1000V PVC PVI SWA PVC LV cables in prepared trenches	C m	Rate Only			
5.1.2		35mm² x 4 core Aluminium	m	26			
5.1.3		70mm² x 4 core Aluminium	m	605			
5.1.4		120mm² x 4 core Aluminium	m	328			
5.1.5		185mm² x 4 core Aluminium	m	114			1
5.1.6		300mm² x 4 core Aluminium	m	Rate Only			
5.1.7		10mm² x 4 core Copper	m	Rate Only			
5.1.8		16mm² x 4 core Copper	m	Rate Only			
5.1.9	-	25mm² x 4 core Copper	m	Rate Only			
5.2	ļ	LV CABLE JOINTS:					
5.2.1	V	Jointing of LV cables including complete jointing kit with all accessories and compound	No.	Rate Only			
5.2.2	3	35mm² x 4 core Aluminium	No.	2			
5.2.3	7	0mm² x 4 core Aluminium	No.	1			
5.2.4	1	20mm² x 4 core Aluminium	No.	2			
5.2.5	1	85mm² x 4 core Aluminium	No.	2			
5.2.6	3	00mm² x 4 core Aluminium	No.	Rate Only			
5.2.7	10	0mm² x 4 core Copper	No.	Rate Only			
5.2.8	16	6mm² x 4 core Copper	No.	Rate Only			
5.2.9	25	5mm² x 4 core Copper	No.	Rate Only			
.2.10	35	5mm² BCE	No.	2			
.2.11	70	mm² BCE	No.	2			
.3	LV	CABLE TERMINATIONS:			*		
	Te gla	rmination of LV cables complete including all ands, lugs, nuts, bolts and washers					
3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8	70/ 120 185 300 10/ 16/	mm² x 4 core Aluminium mm² x 4 core Aluminium Dmm² x 4 core Aluminium Dmm² x 4 core Aluminium Dmm² x 4 core Aluminium mm² x 4 core Copper mm² x 4 core Copper mm² x 4 core Copper	No. No. No. No. No. No.	2 18 6 2 Rate Only Rate Only Rate Only			
otal Carried Fo	rward				R		

SCHEDULE 2: DISTRIBUTION AND STREETLIGHT INFRASTRUCTURE

SECTION 5: LV CABLE NETWORK PAYMENT ITEM NO. DESCRIPTION UNIT QUANTITY RATE AMOUNT REFERS Brought Forward R 12-WAY DUAL DOOR METERING KIOSK: Supply and install ground mounted 12-Way, Dual Door 3CR12 stainless steel metering kiosks including all internal wiring, bus bars, DIN-rail mounted 5kA curve 1 single pole circuit breakers and accessories as specified. Kiosks must be prewired for split prepayment meters as specified by City of Cape Town. Note: Klosk shall comply fully with drawings DR3169A sheet 1 and 2 as well as the latest City of Cape Town specifications. 5.4.1 6 Used with 60Amp mcb's No. Rate Only 5.4.2 6 Used with 80Amp mcb's No. Rate Only 5.4.3 8 Used with 60Amp mcb's No. Rate Only 5.4.4 8 Used with 80Amp mcb's No. Rate Only 5.4.5 9 Used with 60Amp mcb's No. Rate Only 5.4.6 9 Used with 80Amp mcb's Rate Only No. 12 Way 5.4.7 6 Used with 60Amp mcb's No. 5.4.8 7 Used with 50Amp mcb's No. 5.4.9 7 Used with 3 x 50Amp and 4 x 60Amp mcb's No. 5.4.10 8 Used with 50Amp mcb's No. 5.4.11 9 Used with 50Amp mcb's No. 5.4.12 10 Used with 50Amp mcb's No. 5.4.13 12 Used with 50Amp mcb's No. 5 5.4.14 12 Used with 80Amp mcb's No. Rate Only Fit and wire split prepayment meters supplied by City 5.4.15 No. Rate Only of Cape Town Supply, fit and wire 60Amp DIN-rail mounted 5kA 5.4.16 Rate Only No. curve 1 single pole miniature circuit breaker Supply, fit and wire 80Amp DIN-rail mounted 5kA 5.4.17 No. Rate Only curve 1 single pole miniature circuit breaker Supply, fit and wire 40Amp three pole miniature 5.4.18 No. Rate Only circuit breaker Supply, fit and wire 60Amp three pole miniature 5.4.19 Rate Only No. circuit breaker Supply, fit and wire 80Amp three pole miniature 5.4.20 Rate Only circuit breaker **Total Carried Forward** R

SCHEDULE 2: DISTRIBUTION AND STREETLIGHT INFRASTRUCTURE

SECTION 5: LV CABLE NETWORK PAYMENT ITEM NO. DESCRIPTION UNIT QUANTITY RATE AMOUNT REFERS Brought Forward R 5.5 FUSE PILLAR BOX: Supply and install ground mounted 3CR12 stainless steel fuse pillar boxes including all internal wiring and bus bars complete with four (4) HRC LV strip fuse switch disconnector pillars of the "on-load switching" type as specified. Note: Fuse pillars shall comply fully with drawings SK3844 sheet 1 and 2 as well as the latest City of Cape Town specifications. Fuse pillar box complete with 4x HRC LV strip-type 551 No. Rate Only fuse disconnector pillars rated at 400A 5.5.2 Supply and install 200Amp NH-2 LV HRC fuses Rate Only No. 5.5.3 Supply and install 400Amp NH-2 LV HRC fuses Rate Only No. Supply, fit and wire HRC LV strip-type double break 5.5.4 fuse switch disconnector pillars of the "on-load No. Rate Only switching" type rated at 400Amp 5.6 STREETLIGHT CONTROL KIOSK: Supply and install Streetlight Control Kiosk (6-Way Polyethylene Kiosk) complete including all internal wiring, bus bars and streetlight control gear as specified. Note: Kiosk shall comply fully with drawing DR3055 as well as the latest City of Cape Town specifications. 5.6.1 Ground mounted double door kiosk Rate Only No. 5.6.2 Pole mounted single door kiosk No. Supply and install 2m long x 75mm diameter steel "kicker" pipe for cable routing from ground level to 5.6.3 No. 1 pole mounted box complete with stainless steel bandit straps 5.7 LABELS AND STATUTORY SAFETY SIGNAGE: Supply and install engraved labels for each circuit 5.7.1 Sum 1 breaker Supply and install engraved labels for each feeder 5.7.2 Sum cable as specified Supply kiosk safety and warning signage, for each 5.7.3 Sum 5.8 TEMPORARY LOCKS: Supply and fit temporary padlocks for kiosks and fuse 5.8.1 pillar boxes for protection against vandalism and theft No. 14 until network is taken over by Supply Authority Electrical Certificate of Compliance for each of the 5.8.2 No. 14 kiosks installed **Total Carried Forward To Summary** R

SCHEDULE 2: DISTRIBUTION AND STREETLIGHT INFRASTRUCTURE

	DAVMENT			SECTION	6: SERVICE	CONNECTION
ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6		SECTION 6: SERVICE CONNECTIONS				
6.1		SERVICE CONNECTION CABLES:				42
		Supply and install 2 and 4 core 600/1000V PVC PVC SWA PVC LV cables in prepared trenches				
6.1.1		10mm ² x 2 core Copper with 2x 1mm ² stranded pilot wires	l m	3202		
6.1.2		16mm ² x 2 core Copper with 2x 1mm ² stranded pilot wires	m	276		
6.1.3		Extend cable coil through 'kicker' pipe up to DB inside house on completion of house construction	No.	116	1	
6.2		SERVICE CONNECTION CABLE JOINTS:				
		Jointing of service connection cables including complete jointing kit with all accessories and compound				
6.2.1		10mm ² x 2 core Copper with 2x 1mm ² stranded pilot wires	No.	116		
5.2.2		16mm ² x 2 core Copper with 2x 1mm ² stranded pilot wires	No.	10		
5.2.3 5.2.4		10mm² BCE 16mm² BCE	No. No.	116 10		
5.3		SERVICE CONNECTION CABLE TERMINATIONS:	NO.	10		
		Termination of service connection cables complete including all glands, lugs, nuts, bolts and washers				
.3.1		10mm² x 2 core Copper with 2x 1mm² stranded pilot wires	No.	116		
.3.2		16mm² x 2 core Copper with 2x 1mm² stranded pilot wires	No.	10		
.4		CAP AND SEAL SERVICE CONNECTION CABLE ENDS:				
	S	Supply and install heat shrink end caps for cables		* 1		
4.1		0mm² x 2 core Copper with 2x 1mm² stranded pilot vires	No.	116		
4.2		6mm² x 2 core Copper with 2x 1mm² stranded pilot vires	No.	10		=
4.3	1	0mm² BCE	No.	116		
4.4	1	6mm² BCE	No.	10		
5		NFORMAL DWELLING PREPAYMENT METER NSTALLATIONS:				
		upply and install Ready Board complete including ulkhead fitted on common Backboard				
5.1		it and wire Customer Interface Unit supplied by City Cape Town	No.	Rate Only		
otal Carried Fo	orward	65	-10		R	

SCHEDULE 2: DISTRIBUTION AND STREETLIGHT INFRASTRUCTURE

CECTION C	00011100		
SECTION 6:	SERVICE	CONNECTION	٧S

	SECTION 6: SERVICE CON					
ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
Brought Forv	ward				R	
6.6		SERVICE CONNECTION ADMINISTRATION:				
5.6.1		Completion of consumer information form with beneficiary list information and GPS coordinates and other applicable.	No.	Rate Only		
3.6.2		Coordinate issue of Customer Interface Units to house wiring contractor for installation in completed houses	No.	Rate Only		
				-		
al Carried Fo	rward To S	mman/				
a. Junieu r'O	waru 10 3u	mmary 66			R	

SCHEDULE 2: DISTRIBUTION AND STREET LIGHT INFRASTRUCTURE

	DAVMENT			SI	ECTION 7: STR	EET LIGHTING
ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
7		SECTION 7: STREET LIGHTING				
7.1		STREET LIGHT LUMINAIRES:				
		Supply, install and connect LED streetlight luminaires as specified. Luminaires shall comply with the latest City of Cape Town specifications.				
7.1.1		LED-Lume MAXI 128LED 279W 5094 / 5345	No.	Rate Only		
7.1.2		LED Lume MIDI 64LED 144W 5118 / 5345	No.	Rate Only		
7.1.3		LED-Lume MIDI 48LED 108W 5103 / 5345	No.	Rate Only		
7.1.4		LED-Lume MINI 16LED 26W 5345	No.	22		
7.1.5		ZELA 24LED 55W post top Luminaire	No.	Rate Only		4
7.2		STREET LIGHT POLES:				
		Supply and install galvanised steel pole complete with access opening cover, gland plate, back plate, 5kA circuit breakers, fuses and fuse holders, all internal wiring (red, black and green/yellow 2,5mm² x 1 core copper) and connections and base plate. Streetlight poles shall comply with the latest City of Cape Town specifications.			-	
7.2.1		Galvanised steel pole - 13.5m total length (11.8m mounting height) as per drawing SL33	No.	Rate Only		
7.2.2		Galvanised steel pole - 11m total length (9.5m mounting height) as per drawing SL 11	No.	Rate Only		
.2.3		Galvanised steel pole - 7.2m total length (6m mounting height) as per drawing SL 37	No.	22		
.2.4	r	Galvanised steel pole - 5.2m total length (4m nounting height) as per drawing SL 37	No.	Rate Only		
.3	d	DUTREACH ARMS:				
	а	Supply and install galvanised steel short steel adaptor is per City of Cape Town drawing SL36 and latest pecifications				
3.1	s	Single short steel adaptor	No.	22		
3.2		Oouble short steel adaptor	No.	1		
4	E	EXCAVATE POLE HOLES:				1
		xcavate pole holes for new streetlight poles including backfill and compaction				
4.1	11	000mm deep (soft rock and earth)	No.	22		
4.2	10	000mm deep (hard rock)	No.	Rate Only		
4.3	12	200mm deep (soft rock and earth)	No.	Rate Only		
1.4	12	200mm deep (hard rock)	No.	Rate Only		
otal Carried Fo	orward	67			R	

SCHEDULE 2: DISTRIBUTION AND STREET LIGHT INFRASTRUCTURE

SECTION 7: STREET LIGHTING PAYMENT ITEM NO. DESCRIPTION UNIT QUANTITY RATE **AMOUNT** REFERS **Brought Forward** R STREET LIGHT CABLING: 7.5 Supply and install 2 and 4 core 600/1000V PVC PVC SWA PVC LV cables in prepared trenches 7.5.1 25mm² x 4 core Aluminium 777 m 7.5.2 35mm² x 4 core Aluminium m 26 7.5.3 16mm² x 4 core Copper Rate Only m 7.6 LV CABLE JOINTS: Jointing of LV cables including complete jointing kit with all accessories and compound 7.6.1 25mm² x 4 core Aluminium m 7.6.2 35mm² x 4 core Aluminium m Rate Only 7.6.3 16mm² x 4 core Copper m Rate Only 7.7 LV CABLE TERMINATIONS: Termination of LV cables complete including all glands, lugs, nuts, bolts and washers and Dinkie connectors as required 7.7.1 25mm² x 4 core Aluminium m 44 7.7.2 35mm² x 4 core Aluminium m 2 7.7.3 16mm² x 4 core Copper m Rate Only 7.8 RELOCATE STREET LIGHT POLES: Remove existing streetlight pole and relocate to new position complete including all excavations and reinstatement 7.8.1 13.5m steel pole Sum Rate Only 7.8.2 11m steel pole Rate Only Sum 7.8.3 7.2m steel pole Sum Rate Only 79 OVERHEAD LINE STREET LIGHT CONNECTION: Supply and install weatherproof box complete with 10Amp 5kA mcb mounted on pole adjacent to luminaire including installation of 2.5mm² Copper 7.9.1 Rate Only No. cables from luminaire to mcb and mcb to ABC with all IPCs, cable ties and all terminations **Total Carried Forward To Summary** R

SCHEDULE 2: DISTRIBUTION AND STREET LIGHT INFRASTRUCTURE

ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY		AMOUNT
8	KEFERS	SECTION 8: EARTHING	-	407	1000	Amount
8.1		SUBSTATION AND KIOSK EARTHING:				
8.1.1		Supply and install miniature substation earth mat as specified complete with 70mm² bare copper earth wire, cad welding, lugs and stainless steel bolts, nuts and washers for termination to minisub earth bar	1 No	1		
3.1.2		Supply and install RMU earth mat as specified complete with 70mm² bare copper earth wire, cad welding, lugs and stainless steel bolts, nuts and washers for termination to RMU earth bar		Rate Only		
.1.3		Supply and install Kiosk earthing complete including 2 x 1.8m earth spikes with interconnecting 16mm² bare copper earth wire, cad welding, lugs and stainless steel bolts, nuts and washers for termination to kiosk earth bar	No.	13		
.1.4		Earth resistance test per earth mat installation	Sum	1		
.2	ļ	BARE COPPER EARTH CONDUCTOR:				
	99	Supply and install bare stranded copper conductor along with low voltage cables in same trench				
2.1		10 mm2	m	3202		
2.2	-	16 mm2	m	276		
2.3	3	35 mm2	m	631		
2.4	5	50 mm2	m	Rate Only		
2.5	7	70 mm2	m	534		
2.6	9	95 mm2	m	114		
2.7	1	20 mm2	m	Rate Only		
2.8	1	85 mm²	m	Rate Only		
3		ERMINATE BARE COPPER EARTH CONDUCTOR:				
		erminate bare copper earth conductor including all igs, bolts, nuts and washers				
.1	10	0 mm2	No.	116		
.2	16	5 mm2	No.	10		
.3	35	5 mm2	No.	20		
.4	50) mm2	No.	Rate Only		
.5	70) mm2	No.	8		
6	95	i mm2	No.	2		
7	12	20 mm2	No.	Rate Only		
8	18	5 mm²	No.	Rate Only		
al Carried Fo	orward				R	

SCHEDULE 2: DISTRIBUTION AND STREET LIGHT INFRASTRUCTURE

	PAYMENT					8: EARTHIN
ITEM NO.	REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
Brought For	ward	I ADTUS FOTDODS			R	
8.4	-	EARTH ELECTRODE: Supply and install 16mm diameter steel reinforced copper earth spike complete with brass couplings and driving cap				
3.4.1		1 800mm	No.	14		
3.4.2	ti e	2 400mm	No.	Rate Only		
3.4.3		3 600mm	No.	Rate Only		
			-			
	,			e		
		*				
al Carried F	orward To Su	mmary			R	

SCHEDULE 2: DISTRIBUTION AND STREET LIGHT INFRASTRUCTURE

SECTION	DESCRIPTION	SUMMARY	OF SECTIO
2	SECTION 2: TRENCHING AND EXCAVATIONS		AMOUNT
	SECTION 3: MINIATURE SUBSTATIONS AND		
	SECTION 4: MV CABLE NETWORK		
	SECTION 5: LV CABLE NETWORK		
	SECTION 6: SERVICE CONNECTIONS		
	SECTION 7: STREET LIGHTING		
8	SECTION 8: EARTHING		
1			
	,		
-			
		2	
Corried 5	orward to Summary of Schedules		
- Carrieu F	orward to Summary of Schedules	R	

SCHEDULE 3: SINGLE STOREY FREE-STANDING UNIT

SECTION 9: SINGLE STOREY FREE-STANDING LI	JIT

	DAVMENT		SEC	TON 9: SINGL	E STOREY FREE	-STANDING UNI
ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
9		SECTION 9: SINGLE STOREY FREE-STANDING UNIT				
9.1		Site Works	No.	15		
9.2		Foundation and Floor Slab	No.	15	,	
9.3		Superstructure brickwork up to wallplate height, excluding wallplate, but including window and door frames	No.	15		
9.4		Roof structure, roof coverings including barge boards and fascias	No.	15		
9.5		External plumbing, drainage, electrical conduits	No.	15		
9.6		Plaster internal and external	No.	15		-
9.7		Ceilings complete including cornices	No.	15		
9.8		Internal plumbing, drainage and electrical (DB, wiring, plugs, switches and fittings)	No.	15		
9.9		Doors, glazing and ironmongery, painting completed	No.	15		
9.10		Apron completed	No.	15		
					1	
otal Carried	Forward to	Summary of Schedules			R	

SCHEDULE 4: SINGLE STOREY SEMI-DETACHED UNIT

e	ECTION	I 10. CINC	ECTABEV	SEMI-DETACHED	LIMIT

	DAVISEN	1	SECT	ON 10: SINGLE	STOREY SEM	I-DETACHED UNI
ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
10		SECTION 10: SINGLE STOREY SEMI-DETACHED UNIT (CONSISTING OF 2NO. HOUSING UNITS)				
10.1		Site Works	No.	13		
10.2		Foundation and Floor Slab	No.	13		
10.3		Superstructure brickwork up to wallplate height, excluding wallplate, but including window and door frames	No.	13		
10.4		Roof structure, roof coverings including barge boards and fascias	No.	13		
10.5		External plumbing, drainage, electrical conduits	No.	13		
10.6		Plaster internal and external	No.	13		
10.7		Ceilings complete including cornices	No.	13		
8.01		Internal plumbing, drainage and electrical (DB, wiring, plugs, switches and fittings)	No.	13		
10.9		Doors, glazing and ironmongery, painting completed	No.	13		
0.10		Apron completed	No.	13		
otal Carried I	Forward to S	dummary of Schedules			R	
		73				

SCHEDULE 5: DUPLEX FREE-STANDING UNIT

SECTION 11:	DUPLEX	FRFF.	STANDING	LINIT

	I =			SECTION 11	: DUPLEX FREE	-STANDING UNIT
ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
11		SECTION 11: DUPLEX FREE-STANDING UNIT				
11.1		Site Works	No.	2		2
11.2		Foundation and Floor Slab	No.	2		
11.3		Ground Floor Superstructure brickwork up to ringbeam, including window and door frames	No.	2		
11.4		Precast Floorslabs and Staircase	No.	2		
11.5		First Floor Superstructure brickwork up to wallplate height, excluding wallplate, but including window and door frames	No.	2		
11.6		Roof structure, roof coverings including barge boards and fascias	No.	2		
11.7		External plumbing, drainage, electrical conduits	No.	2		
11.8		Plaster internal and external	No.	2		
11.9		Ceilings complete including cornices	No.	2		
11.10		Internal plumbing, drainage and electrical (DB, wiring, plugs, switches and fittings)	No.	2		
11.11		Doors, glazing and ironmongery, painting completed	No.	2		
11.12		Apron completed	No.	2		
otal Carried I	Forward to S	Summary of Schedules			R	-
		74			0.0	

SCHEDULE 6: DUPLEX SEMI-DETACHED UNIT

SECTION 12: DUPLEX SEMI-DETACHED UNIT	

				SECTION 12	: DUPLEX SEMI	DETACHED UNIT
ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
12		SECTION 12: DUPLEX SEMI-DETACHED UNIT (CONSISTING OF 2NO. HOUSING UNITS)				
12.1		Site Works	No.	36		
12.2		Foundation and Floor Slab	No.	36		
12.3		Ground Floor Superstructure brickwork up to ringbeam, including window and door frames	No.	36		
12.4		Precast Floorslabs and Staircase	No.	36		
12.5		First Floor Superstructure brickwork up to wallplate height, excluding wallplate, but including window and door frames	No.	36		
12.6		Roof structure, roof coverings including barge boards and fascias	No.	36		
12.7		External plumbing, drainage, electrical conduits	No.	36		
12.8		Plaster internal and external	No.	36		
12.9		Ceilings complete including cornices	No.	36		
12.10		Internal plumbing, drainage and electrical (DB, wiring, plugs, switches and fittings)	No.	36		
12.11		Doors, glazing and ironmongery, painting completed	No.	36		
12.12		Apron completed	No.	36		
Total Carried	Forward to	Summary of Schedules			R	

SCHEDULE 7: SPECIAL NEEDS UNIT

SECTION	40.	CDECIAL	MICEDO	

	PAYMENT			SE	ECTION 13: SPE	CIAL NEEDS UNIT
ITEM NO.	REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
13		SECTION 13: DUPLEX SEMI-DETACHED UNIT (CONSISTING OF 2NO. HOUSING UNITS)				
13.1		Site Works	No.	2	1	
13.2		Foundations and floor slab	No.	2		
13.3	u.	Superstructure brickwork up to wallplate height, excluding wallplate, but including window and door frames	No.	2		
13.4		Roof structure, roof coverings including barge boards and fascias	No.	2		
13.5		External plumbing, drainage, electrical conduits	No.	2		
13.6		Plaster internal and external	No.	2		
13.7		Ceilings complete including cornices	No.	2		
13.8		Internal plumbing, drainage and electrical (DB, wiring, plugs, switches and fittings)	No.	2		
13.9		Doors, glazing and ironmongery, painting completed	No.	2		
13.10		Apron and ramps completed	No.	2		
otal Carried	Forward to S	Summary of Schedules			R	

SCHEDULE 8: SPECIAL NEEDS UNIT

SECTION 14: SPECIAL NEE	DS I	UNIT
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TEM NO. PATMEN DESCRIPTION UNIT QUANTITY RATE AMOUNT	HEMNO REFERS SECTION 14: FREE STANDING UNIT 14.1 Site Works Foundations and floor slab Superstructure brickwork up to wallplate height, excluding wallplate, but including window and door frames Roof structure, roof coverings including barge boards and fascias External plumbing, drainage, electrical conduits No. 3 H4.5 External plumbing, drainage, electrical conduits No. 3 H4.6 Plaster internal and external No. 3 Internal plumbing, drainage and electrical (DB, wiring, plugs, switches and fitting) Apron and ramps completed No. 3 Apron and ramps completed No. 3		PAYMENT				ECTION 14: SPE	CIAL NEEDS UNIT
14.1 Site Works Foundations and floor slab Superstructure brickwork up to wallplate height, excluding wallplate, but including window and door frames 14.4 Roof structure, roof coverings including barge boards and fascilas 14.5 External plumbing, drainage, electrical conduits 14.6 Plaster Internal and external 14.7 Ceilings complete including cornices Internal plumbing, drainage and electrical (DB, wiring, plugs, switches and fittings) 14.9 Doors, glazing and ironmongery, painting completed No. 3 14.10 Apron and ramps completed No. 3	14.1 Site Works Foundations and floor slab Superstructure brickwork up to wallplate height, excluding wallplate, but including window and door fames 14.4 Roof structure, roof coverings including barge boards and fascias 14.5 External plumbing, drainage, electrical conduits 14.6 Plaster internal and external 14.7 Ceilings complete including cornices 14.8 Internal plumbing, drainage and electrical (DB, wiring, plugs, switches and fittings) 14.9 Doors, glazing and ironmongery, painting completed 14.10 Apron and ramps completed 15. No. 3 16. No. 3 17. No. 3 18. No. 3			DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
Foundations and floor slab Superstructure brickwork up to wallplate height, excluding wallplate, but including window and door frames 14.4 Roof structure, roof coverings including barge boards and fascias 14.5 External plumbing, drainage, electrical conduits 14.6 Plaster internal and external 14.7 Cellings complete including cornices 14.8 wiring, plugs, switches and fittings) 14.9 Doors, glazing and inommongery, painting completed No. 3 14.10 Apron and ramps completed No. 3	Foundations and floor slab Superstructure brickwork up to waitplate height, excluding wailplate, but including window and door frames Roof structure, roof coverings including barge boards and fascias Roof structure, roof coverings including barge boards and fascias External plumbing, drainage, electrical conduits No. 3 Plaster internal and external Ceilings complete including cornices No. 3 Internal plumbing, drainage and electrical (DB, wiring, plugs, switches and fittings) Apron and ramps completed No. 3 Apron and ramps completed No. 3	14		SECTION 14: FREE STANDING UNIT				
Superstructure brickwork up to wallplate height, excluding wallplate, but including window and door frames 14.4 Roof structure, roof coverings including barge boards and fascias 14.5 External plumbing, drainage, electrical conduits 14.6 Plaster internal and external 14.7 Ceilings complete including cornices 14.8 Internal plumbing, drainage and electrical (DB, wiring, plugs, switches and fittings) 14.9 Doors, glazing and ironmongery, painting completed 14.10 Apron and ramps completed No. 3	Superstructure brickwork up to wallplate height, excluding wallplate, but including window and door frames Roof structure, roof coverings including barge boards and fascias Roof structure, roof coverings including barge boards and fascias External plumbing, drainage, electrical conduits No. 3 Ha.6 Plaster internal and external No. 3 Ceilings complete including cornices Internal plumbing, drainage and electrical (DB. wiring, plugs, switches and fittings) Doors, glazing and ironmongery, painting completed No. 3 Apron and ramps completed No. 3	14.1	ŀ	Site Works	No.	3		
14.3 excluding wallplate, but including window and door frames 14.4 Roof structure, roof coverings including barge boards and fascias 14.5 External plumbing, drainage, electrical conduits 14.6 Plaster internal and external 14.7 Cellings complete including cornices 14.8 Internal plumbing, drainage and electrical (DB, wiring, plugs, switches and fittings) 14.9 Doors, glazing and ironmongery, painting completed 14.10 Apron and ramps completed No. 3	Roof structure, roof coverings including barge boards and fascias Roof structure, roof coverings including barge boards and fascias External plumbing, drainage, electrical condults No. 3 H4.6 Plaster internal and external No. 3 Internal plumbing, drainage and electrical (DB, wring, plugs, switches and fittings) Doors, glazing and ironmongery, painting completed No. 3 Apron and ramps completed No. 3	14.2		Foundations and floor slab	No.	3		
14.5 External plumbing, drainage, electrical conduits No. 3 14.6 Plaster internal and external No. 3 14.7 Ceilings complete including cornices No. 3 14.8 Internal plumbing, drainage and electrical (DB, wiring, plugs, switches and fittings) 14.9 Doors, glazing and ironmongery, painting completed No. 3 14.10 Apron and ramps completed No. 3	and fascias External plumbing, drainage, electrical conduits No. 3 H4.6 Plaster internal and external No. 3 Internal plumbing, drainage and electrical (DB, wiring, plugs, switches and fittings) Doors, glazing and ironmongery, painting completed No. 3 Apron and ramps completed No. 3	14.3		excluding wallplate, but including window and door	No.	3		
14.6 Plaster internal and external 14.7 Ceilings complete including cornices 14.8 Internal plumbing, drainage and electrical (DB, wiring, plugs, switches and fittings) 14.9 Doors, glazing and ironmongery, painting completed 14.10 Apron and ramps completed 14.10 No. 3	Plaster internal and external Ceilings complete including cornices Internal plumbing, drainage and electrical (DB, wiring, plugs, switches and fittings) Doors, glazing and ironmongery, psinting completed No. 3 Apron and ramps completed No. 3	14.4			No.	3		
14.7 Ceilings complete including cornices 14.8 Internal plumbing, drainage and electrical (DB, wirring, plugs, switches and fittings) 14.9 Doors, glazing and ironmongery, painting completed No. 3 14.10 Apron and ramps completed No. 3	Cellings complete including cornices Internal plumbing, drainage and electrical (DB, wiring, plugs, switches and fittings) 4.9 Doors, glazing and ironmongery, painting completed Apron and ramps completed No. 3 Apron and ramps completed No. 3	14.5		External plumbing, drainage, electrical conduits	No.	3		
Internal plumbing, drainage and electrical (DB, wiring, plugs, switches and fittings) 14.9 Doors, glazing and ironmongery, painting completed No. 3 14.10 Apron and ramps completed No. 3	Internal plumbing, drainage and electrical (DB, wiring, plugs, switches and fittings) Doors, glazing and ironmongery, painting completed No. 3 Apron and ramps completed No. 3	14.6		Plaster internal and external	No.	3		
wiring, plugs, switches and fittings) 14.9 Doors, glazing and ironmongery, painting completed No. 3 14.10 Apron and ramps completed No. 3	wiring, plugs, switches and fittings) 4.9 Doors, glazing and ironmongery, painting completed No. 3 4.10 Apron and ramps completed No. 3	14.7		Ceilings complete including cornices	No.	3		
14.10 Apron and ramps completed No. 3	Apron and ramps completed No. 3	14.8		Internal plumbing, drainage and electrical (DB, wiring, plugs, switches and fittings)	No.	3		
		14.9		Doors, glazing and ironmongery, painting completed	No.	3		
		14.10		Apron and ramps completed	No.	3		
	otal Carried Forward to Summary of Schedules							

SCHEDULE 9: CIVIL ENGINEERING SERVICES

CECTION	45.	SIDEWALKS	

	PAYMENT		т —		SECTIO	N 15: SIDEWALK
ITEM NO.	REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
15		SECTION 15: SIDEWALKS				
15.1	SANS 1200 DM	SUBGRADE				
15.1.1	8.3.4	Excavate to narrow widths of less than 4 m wide to form cycling paths, sidewalks, walkways and use for bulk earthworks to shape site, sidewalks, roads and house platform. Fill material to be compacted to 95% modified AASHTO maximum dry density (or 100% in sand).	m³	450		e
15.2		SELECTED LAYERS				
15.2.1	8.3.3	Road bed preparation and compaction of material to 95% MAMDD (or 100% in sand) to a depth of 150 mm as lower selected layer under sidewalks		230		
15.2.2		Construct 150mm thick G7 selected subgrade layer with material imported from commercial sources, compacted to 95% of MAMDD (or 100% in sand)	m³	230		
15.3	SANS 1200 ME	SUBBASE				
15.3.1	8.3.3	Supply and construct 150 mm thick subbase course with G5 material imported from commercial sources and compacted to 95% MAMDD for used under sidewalks.	m³	190		
15.4	SANS 1200 MH	ASPHALT SURFACING				
15.4.1		Prime coat using MC30 grade cutback bitumen applied at a rate of 0.7 l/m²	m²	1300		
5.4.2		Tack coat using 60% stable grade bitumen emulsion diluted with water at 1:1 ratio (Provisional)	m²	1300		
	842	30 mm thick continuously graded fine (7.1mm max.) asphalt surfacing using: 60/70 penetration grade bitumen (for side walks and walkways)	m²	1300		
	1	f) Sunken edge kerbs (E1)				
5.4.4	ļ	aid on curves of radius over 1m and up to 4m	m	5		
5.4.5	į.	aid on curves of radius over 4m and up to 20m	m	200	_	
5.4.6		aid on straights and curves of radius greater than	m	1150		
				1		
	1					
otal Carried	Forward				R	
		78			ĸ	

SCHEDULE 9: CIVIL ENGINEERING SERVICES

TITEM No. PAYMENT DESCRIPTION	SECTION 15: SIDEWALI						
15.5 SANS 1200 MM 15.5.1 8.3 PERMANENT ROAD SIGNS 15.5.1.1 8.3.6 Statutory Signs, Street Names, and the Like, Supplied and Erected Complete (i) Stop sign (R1) - 610mm No. 11 W-Series (W401) - 150mm x 600mm No. 14 15.5.2 8.4 ROAD MARKINGS 15.5.2.1 8.4.1 Non-reflectorised paint applied at a nominal rate of 0.42 lm² (including pre-marking): White lines (broken or unbroken) (i) GM2 type (100mm wide) m 120 (iii) RTM1 type (300mm wide) m 60 (iii) RM1 type (100mm wide) m 100 15.5.2.2 PSMM 8.4.1(c) (c) White characters and symbols (i) Stop sign No. 11 15.5.2.3 8.4.4 Setting out and Premarking (a) Lines m 280 (b) Special markings (i) Stop sign No. 11 1.5.2.4 PSMM 8.4.5 Extra-Over for item 8.4.1 to reflectorise paint using m² 70	ITEM NO.		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1200 MM	Brought Fo	rward				R	
15.5.1.1 8.3.6 Statutory Signs, Street Names, and the Like, Supplied and Erected Complete (i) Stop sign (R1) - 610mm No. 11 No. 14 No. 14 No.	15.5		ANCILLARY ROADWORKS				
Supplied and Erected Complete (i)	15.5.1	8.3	PERMANENT ROAD SIGNS				
15.5.2 8.4 ROAD MARKINGS	15.5.1.1	8.3.6	Statutory Signs, Street Names, and the Like, Supplied and Erected Complete			12.	
15.5.2.1 8.4.1 Non-reflectorised paint applied at a nominal rate of 0.42 l/m² (including pre-marking): White lines (broken or unbroken) (i) GM2 type (100mm wide) m 120 m 60 m 100 m 1							
0.42 l/m² (including pre-marking): (a)	15.5.2	8.4	ROAD MARKINGS				
15.5.2.2 8.4.1(c) (c) White characters and symbols (i) Stop sign No. 11 15.5.2.3 8.4.4 Setting out and Premarking (a) Lines m 280 (b) Special markings (i) Stop sign No. 11 1.5.2.4 PSMM 8.4.5 Extra-Over for item 8.4.1 to reflectorise paint using m² 70		(a) (i) (ii)	0.42 I/m² (including pre-marking): White lines (broken or unbroken) GM2 type (100mm wide) RTM1 type (300mm wide)	m m	60		
(a) Lines m 280 (b) Special markings (i) Stop sign No. 11 1.5.2.4 PSMM 8.4.5 Extra-Over for item 8.4.1 to reflectorise paint using m ² 70		8.4.1(c)		No.	11		
(i) Stop sign No. 11 1.5.2.4 PSMM 8.4.5 Extra-Over for item 8.4.1 to reflectorise paint using m ² 70	15.5.2.3			m	280		4
				No.	11		
15.5.2.5 PSMM 8.4.6 Remove existing road markings by sandblasting m ² 50	.5.2.4 F	PSMM 8.4.5	Extra-Over for item 8.4.1 to reflectorise paint using	m²	70		
	5.5.2.5	PSMM 8.4.6	Remove existing road markings by sandblasting	m²	50		
Total Carried Forward R							

SCHEDULE 9: CIVIL ENGINEERING SERVICES

CECTION	15: SIDEWALKS
SECTION	

	PAYMENT		_		SECTION	15: SIDEWALK
ITEM NO.	REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
Brought Fo	orward				R	
15.6		PEDESTRIAN SLOPES				
15.6.1		Construct pedestrian slopes complete as detailed on Drg no. 23-006-01-10-600-T-00, including tactile warning indicators, tactile directional indicators, cutting tactile indicators where necessary, bedding sand, concrete, formwork. Layerworks measured elsewhere.	No.	20		
5.6.2		Construct 75 mm thick G5 subbase layer with material imported from commercial sources, compacted to 95% of MAMDD, for use under pedestrian slopes.	m³	5		
5.6.3		Construct 150 mm thick G7 selected layer with material imported from commercial sources, compacted to 95% of MAMDD (or 100% in sand), for use under pedestrian slopes.	m³	Rate Only		
5.7	SANS 1200 DM	VERGES				
5.7.1	0.0.0	Road bed preparation and compaction of material to 93% of modified AASHTO maximum dry density (or 100% in sand) to a depth of 150 mm as selected layer under verges	m³	Rate Only		
5.7.2	8.3.3	Construct 75 mm thick gravel layer using material from commercial sources compacted to 95% MAMDD	m³	Rate Only		
	SANS 1200 ME 8.3.5	Process gravel by stabilisation	m³	Rate Only		
tal Carried	Forward to Su	mmary of Schedules				
Juilled	. 51 11414 10 30	80			R	

SCHEDULE 10: HARD LANDSCAPE WORKS

SECTIO	TNI 4C.	CITE	CIE	CAD	ANCE

387	PAYMENT					SITE CLEARANC
ITEM NO.	REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
16	SANS 1200C	SECTION 16: SITE CLEARANCE				
16.1		Clear and grub site including trees and stumps of girth up to 1m	m²	Rate Only		ø
		Break up and remove and dispose of (at approved tip site) existing hard surfaces:				
16.2		Asphalt / concrete surfaces	m²	Rate Only		
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				16		
		9				
				12.1		
		-				
				2		
	361					
tal Carried	Forward To Su	ummary			R	

SCHEDULE 10: HARD LANDSCAPE WORKS

SECTION 17: H	ard Landscap	E EARTHWORKS

	DAY			ECTION 17: F	ARD LANDSCA	PE EARTHWORKS
ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
17		SECTION 17: HARD LANDSCAPE EARTHWORKS				
17.1		Grading and compaction to 98% modified AASHTO to create level surface with maximum 1:100 fall (also refer to SANS 1200D)				
17.1.1		Play park: rubber surfaces	m²	80	Ð	
17.1.2		Retaining walls (includings steps and landings)	m²	Rate Only		
17.1.3		Pedestrian pathways: asphalt	m²	466		
17.1.4		Remaining soft landscape areas NOTE: GRADING ONLY	m²	1659		
17.2	SANS 1200D	BULK EXCAVATION				
17.2.1		Excavate in all materials and use for embankment or backfill or dispose, as ordered.	m³	100		
17.3	SANS 1200D	IMPORTING OF MATERIALS				
17.3.1		Extra over for importation of suitable G7 material from commercial sources or from borrow pits	m³	100		
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		,				
otal Carried	Forward To Su	ummary			R	
		82				

SCHEDULE 10: HARD LANDSCAPE WORKS

CE	CTIO	NI 40	- EEN	CINC

ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
18	KEI EKO	SECTION 18: FENCING				
18.1		Provide for 1.2m high Betafence or similar approved.				
18.1.1		Betaview (or equivalent) security fence panels - Size: 2900mm (w) x 1200mm (h) with appertures of 76.2mm x 12.7mm rigid security mesh panels with bends. Core wire (3mm horizontal & 4mm vertical) to be manufactured with Zinc Alu coated wire. coated wire. Zincalu Super coated to SANS 10244-2:2003 specification (min. 275g/m²) wire coating is a coating consisting of (95%) Zinc and (5%) Aluminium. X 2,8 lifespan of galvanising. Additional PVC Coating (3,40mm thick) Anthracite RAL 7021.		215		
8.1.2		Betaview (or equivalent) Secure Posts: H-shaped profile post 60mm x 80mm x 2mm wall thickness. Height: 1200mm with PVC cap. Security fixators to be used to secure the panels to the posts. Fixators to be bolted together through the post and secured using tamper proof shearnuts (no self tapping screws). All fittings to be stainless steel. Additional PVC Coating (3,40mm thick) Anthracite RAL 7021. All Foundations to be 700mm (d)x 400mm (w)x 400mm (h) concrete.	m	215		·
8.2		Provide for 1,2m high Nylofor (or equivalent) Medium Fence or similar approved.				
8.2.1		Nylofor (or equivalent) Medium ® fence panels - size: 2500mm (w) x 1200mm (h) with appertures of 50mm x 100mm rigid mesh, medium security, panels. Core wire (3,65mm) to be manufactured with Zinc Alu coated wire. Zincalu super coated to SANS 10244-2:2003 specification (min. 275g/m²) wire coating is a coating consisting of (95%) Zinc and (5%) Aluminium. X 2,8 lifespan of galvanising Additional PVC Coating (4,05mm thick). Anthracite RAL 7021	m	215		
.2.2	F 1 1 8 S S	Betafix (or equivalent) Secure Posts: H - shaped profile post 70mmx 44mm x 1.6mm that allow the post to fit inside the lip of the post. Height: 1200mm HDG with additional PVC Coating (as above). Mini spider fixators to be used to secure the panels to the posts. Fixators to be bolted together through the post and secured using tamper proof shearnuts (no self tapping screws). All fitting to be stainless steel. All Foundations to be 600mm (d) x 100mm (h) x 400mm (w) concrete.	m	215		
tal Carried F	orward To Su	ummary			R	

SCHEDULE 10: HARD LANDSCAPE WORKS

SECTIO	N 19.	HARD	LANDS	CAPING

	DAVMENT	T		<u>s</u>	ECTION 19: HAP	RD LANDSCAPING
ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
19		SECTION 19: HARD LANDSCAPING				
19.1		SELECTED LAYERS				
19.1.1		Selected layer preparation and compaction of material to 95% MAMDD (or 100% in sand) to a depth of 150mm as lower selected layer under paving	3	82		
19.1.2		Extra over item 18.1.1 for importation of G9 quality material from commercial sources.	m³	5		
19.1.3	-	"Construct 150mm thick G7 selected subgrade layer with material imported from commercial sources, compacted to 95% of MAMDD (or 100% in sand)"	m³	82		
19.2	SANS 1200ME	SUBBASE				-65
19.2.1		Supply and construct 150 mm thick subbase course with G5 material imported from commercial sources and compacted to 95% MAMDD for use under paving layer.	m³	82		
19.3		Edging to hard / soft surfaces				
19.3.1		Supply and install E1 edging as per detail.	m	250		
19.3.2		Extra over item 18.3.1 for cutting of E1 kerb at 45°	No.	25		
19.3.3		Supply and install MK10 edging as per detail.	m ·	250		
19.3.4		Extra over item 18.3.3 for cutting of MK10 kerb at 45°	No.	25		
9.3.5		Supply and install BK1 edging as per detail.	m	250		
9.3.6		Extra over item 18.3.5 for cutting of BK1 kerb at 45°	No.	25	5	5.
9.4		SURFACE TREATMENT				
9.4.1		Provide for the building of seat retaining walls (including modular precast coping to detail).	m	18		
9.4.2	8	Paving: 200x100x70mm exposed sandstone aggregate interlocking pavers to approved sample. 6 9mm ø Table Mountain Sandstone aggregate. Layerworks to Engineer's specification.	m²	Rate Only		
9.4.3	s ii a	30mm thick medium, continuosly graded asphalt surfacing using 50/70 penetration grade bitumen, including prime coat (MC 30 grade cutback bitumen) applied at a rate of 0.71/m² and tack coat using 60% stable grade bitumen emulsion diluted with water at a 1:1 ratio.	m²	466		
9.4.4	S 4 L c	Supply & installation of 1800mm (I), 500mm (w), 150mm high from FFL precast concrete bench from Jountu Concrete Works (or equivalent). Charcoal colour, footing and fixing as per Engineers pecification.	No.	8		
otal Carried	Forward	84			R	

SCHEDULE 10: HARD LANDSCAPE WORKS

CECTION	40. I	TABBL	ANDSCAPE

	PAYMENT		1		SECTION 19: H	ARD LANDSCAP
ITEM NO.	REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
Brought For	ward				F	2
19.4.5		Supply & install 'Bastion' (or equivalent) square bollards from Ubuntu Concrete Works (or equivalent supplier. Footing and fixing as per Engineer's specification.) No	10		
9.4.6		Supply & install Street Sign - Code W308. Secured to standard galvanized steel sign pole as per CoCT's street sign standards.		5	-	
9.5		Supply and install (rubber surfaces):				
9.5.1		Asphalt base: 30mm thick medium, continuosly graded asphalt surfacing using 50/70 penetration grade bitumen, including prime coat (MC 30 grade cutback bitumen) applied at a rate of 0.71/m² and tack coat using 60% stable grade bitumen emulsion diluted with water at a 1:1 ratio.	m²	80		
9.5.2		Concrete base: supply and install 100mm thick grade 25 MPa / 19mm stone mix (1:3:6 cement: sand: stone) including mesh reference 193 reinforcing.	m²	80		
9.5.3		Supply and place "Wetpour' (or equivalent) EPDM, 25mm thick. Base layer, (minimum 15mm thick): black recycled tyre rubber granule (5mm diameter). Top layer (minimum 10mm thick) EPDM (1-3mm diameter) rubber crumb of homogeneous specified colours. All to manufacturer's specifications & design drawing layouts.		80		
0.5.4		Supply and place 'Wetpour' (or equivalent) EPDM, 50mm thick. Base layer, (minimum 40mm thick): black recycled tyre rubber granule (5mm diameter). Top layer (minimum 10mm thick) EPDM (1-3mm diameter) rubber crumb of homogeneous specified colours. All to manufacturer's specifications & design drawing layouts.	m²	80		
.5.5	ç r	Supply and place coloured recycled tyre rubber granule (5mm diameter), 25mm thick. All to nanufacturer's specifications & design drawing ayouts.	m²	80		
.5.6	g n	Supply and place coloured recycled tyre rubber granule (5mm diameter), 50mm thick. All to nanufacturer's specifications & design drawing ayouts.	m²	80		
6	s	Supply and installation of play equipment for parks				
6.1	d s	Supply and install playground 'Joy Wheel' 3m iameter as per detail. Painted with base coats and pecified top colours.	No.	1		
6.2	p	supply and install playground '2 Seater See-Saw' as er detail. Painted with base coats and specified top olours.	No.	1		ä
6.3		asketball goal post	Sum	1		
6.4		ainted line: basketball court	Sum	1		
6.5	IP	ainted lines: scooter track	Sum	1	- 1	

SCHEDULE 10: HARD LANDSCAPE WORKS

0.000	T	SUMMA	RY OF SECTION
SECTION	DESCRIPTION SECTION 46: SITE OF SANGE		AMOUNT (R)
16	SECTION 16: SITE CLEARANCE		
17	SECTION 17: HARD LANDSCAPE EARTHWORKS		
18	SECTION 18: FENCING		
19	SECTION 19: HARD LANDSCAPE		
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tal Carried Fo	orward to Summary of Schedules	R	
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SCHEDULE 11: SOFT LANDSCAPING WORKS

CECTION	A. COET I	ANDCOADE	FARTHWORKS

				SECTION 20: S	OFT LANDSCAP	E EARTHWORK
ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
20		SECTION 20: SOFT LANDSCAPE EARTHWORKS				
20.1		EXCAVATE INSITU SOIL				
20.1.1		Excavate tree holes (No.39 x 250L/400L/2m palm tree & 1 x 1000L/7m palm tree) for planting in soft landscape areas - The volume is calculated from the quantity of trees by the specified size of the hole (1.2 x 1.2 x 1.2m) (=1.728m3) & (1.5 x 1.5 x 1.5m) (=3.375m3). Distribute unwanted material as per item 7.1.2 (40%).	m³	71		
20.1.2		Distribute unwanted material as indicated by LA	m³	28		
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otal Carried Fo	orward To Su	Immary 87			R	

SCHEDULE 11: SOFT LANDSCAPE WORKS

SECTION	24. DI	ANTING	MEDIUM
SECTION	21: PL	-ANTING	MEDIUM

	maxe				SECTION 21: PI	LANTING MEDIU
ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
21		SECTION 21: PLANTING MEDIUM				
21.1		Supply compost as per specification:				
21.1.1	_	Reliance medium compost (screened, mature product with particles not exceeding 30mm) or similar approved; to trees holes (40% of volume)	m³	28		
21.1.2		Reliance premium compost or similar approved; to trees holes (40% of volume)	m³	28		
21.1.3		Reliance medium compost (screened, mature product with particles not exceeding 30mm) or similar approved; to all shrub, groundcover & lawn areas (50mm x 1454m²)	m³	73	÷	
21.1.4		Reliance premium compost or similar approved; to all shrub, groundcover & lawn areas (50mm x 1454m²)	m³	73		
21.1.5		Talborne Organics Vita Grow 2:3:2 (16) to all shrub, groundcover & lawn areas at 100g / m²	kg	166		
21.1.6		Gypsum to all tree holes: 1kg / m³	kg	71		
21.1.7		Bonemeal to all tree holes: 1kg / m³	kg	71		
21.1.8		500g Haifa Multicote Agri 8 Controlled Release Fertilizer	No.	39		
21.1.9		1kg Haifa Multicote Agri 12 Controlled Release Fertilizer	No.	1	α	
21.2		Tree Planting Preparation				
21.2.1		Supply & install Root Barrier liner to 4 sides of identified tree holes as instructed by the Landscape Architect. 'Plantex RootBarrier' from MarshallHinds or similar approved product. To be installed as per manufacturer's specifications. Mix medium 60%:40% in-situ top soil: compost including organic fertiliser at: 1kg / m3 and place medium into tree pits	m²	114 71		
21.3		,				
21.3.1	5	Shrub, groundcover & lawn planting area preparation Spread additives & compost to all shrub, groundcover & lawn planting areas & mix into soil to a depth of 300mm	m²	1659		
21.4	F	Post Planting				
21.4.1	n fi	Supply & spread coarse compost/mulch (screened nature product with particles not exceeding 50mm) rom Reliance (50mm x 1035m²); mulch to be flush with edging- no mounts.	m³	52		
21.5	s	Opdressing Supply and spread topsoil / sand mix (sceened fine ompost and washed sand, maximum particle size				
21.5.1	1	2mm) from Reliance or similar approved (624m2 x 0mm). Spread 10mm thick on lawns, rake and roll evel.	m³	6		
Total Carried I	Forward To S	ummary			R	
		RR				

SCHEDULE 11: SOFT LANDSCAPE WORKS

CECTI	ONIO	2. DI	ANITIMO	WORKS

	DAVMENT		_		SECTION 22:	PLANTING WORK
ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
22		SECTION 22: PLANTING WORKS				
		SUPPLY & PLANT (1659m²)				
		Note: rates tendered for plants to be inclusive of supply and delivery: transport, holding, handling and mark-up. Note: numbers refers to individual plantlets and the amount of 6-packs etc.Excavate into planting fill, dust roots with bonemeal, place plant, backfill, compact and level surplus soil for:				
22.1		6pk Plantlets (365m2)				
22.1.1		Portulacaria afra 'Prostrata'	No.	486		
22.1.2		Plectranthus neochilus	No.	486		
22.1.3		Statice perezii	No.	486		
22.1.4		Oscularia deltoides	No.	486		
22.1.5		Curio crassulifolius	No.	486		
22.1.6		Hermannia pinnata	No.	486		
22.1.7		Lobelia alata	No.	1116		
2.1.8		Monopsis lutea	No.	1116		
2.2		4L container size (465m2)				
2.2.1	ŀ	Juncus effesus	No.	186		
2.2.2	ŀ	Zantedechia aetiopica	No.	186		
2.2.3	ľ	Kniphofia uvaria	No.	186		
2.2.4	E	Elegia nuda	No.	186		
2.3	1	10L container size				
2.3.1 2.3.2		Dovyalis caffra Carissa macrocarpa	No. No.	820 820		
2.4	2	250L container size				
2.4.1	c	Citrus limon 'Eureka'	No.	3		
2.5	5	00L container size				
2.5.1 2.5.2 2.5.3	s	syzygium guineense syzygium cordatum icus rubiginosa	No. No. No.	8 8 20		
2.6	1	000L container size				
.6.1	E	rythrina caffra	No.	1		
.7	La	awn				
.7.1 .7.2	R	oll-on-lawn unners	m² m²	624 624		
tal Carried F	orward To Su	ummary			R	

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SCHEDULE 11: SOFT LANDSCAPE WORKS

SECTION 23: SUNDRIES

	DAVMENT				SECT	ON 23: SUNDRIE
ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
23		SECTION 23: SUNDRIES				
23.1		Supply and place 19mm drainage stonechip underneath trees (100mm layer)	m³	10		g.
23.2		Supply and place 19mm sandstone chip underneath trees (100mm layer)	m³	10		
23.3		Supply and install tree stakes as per detail	No.	40		
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tal Carried Fo	orward To Su	mmary			R	

ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
23	KEI EKO	SECTION 24: MAINTENANCE				
04.4			1	1 1		
24.1		WATER METER				
		Provide rate for the connection, supply + removal of				
24.1.1		a subwater meter to the main contractors supply	Sum	1		1
24.2		IRRIGATION				
24.2		IRRIGATION				
24.2.1		Allow for the hand watering of trees to ensure proper establishment as per specification.	Month	12		
24.2.2		Watering with treated affluent (price should include transport of treated affluent from nearest available waste water treatement works to water tanks at sports precinct as well as transport from water tanks to the necessary trees / landscaped areas)		12		
4.3		WEEDING				*
4.3.1		Allow for the manual weeding of tree, shrub and groundcover areas every second week. (1035m²)	Month	12		
4.3.2		Allow for chemical control of weeds in all lawn areas, keeping the lawns weed free. (624m²)	Month	12		
4.4		MOWING				
4.4.1	,	Mowing lawn area to maintain 20 to 30mm blade, include edge trimming. (624m²)	Month	12		8
1.5		SOIL TESTING				
1.5.1		Allow for soil testing and recommending fertilising - per sample	No.	2		
.6	ŀ	ADDITIVES AND FERTILISING "				
		Grass: (624m2)				
	f	Allow for supply and spread Talborne Organics ertilize:				
.6.1		Autumn: Vita Grow 2:3:2 at 40g / m²	kg	25		
.6.2	ĮL	ate Winter: Vita Veg 6:3:4 at 40g / m²	kg	25	ı	
.6.3	S	Spring: Vita Veg 6:3:4 at 40g / m ²	kg	25		
.6.4 .6.5	10	Summer: Vita Green 5:1:5 at 40g / m²	kg	25		
.0.5	L	cosen and aerate soil prior to topsdressing supply & spread a 10mm layer of lawn dressing from	m²	624	- 1	
6.6	F	Reliance (a 50/50 mix of coarse sand and 12mm	m³	6		
1	n	nature compost) every 6 months.				
7	s	hrubs and Groundcovers: (1035m2)				
7.1	p. R	upply coarse compost/mulch (screened mature roduct with particles not exceeding 50mm) from eliance or similar approved supplier, 50mm layer very 12 months.	m³	10	-	

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SCHEDULE 11: SOFT LANDSCAPE WORKS

ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	4: MAINTENANO AMOUNT
Brought Fo	rward				R	
24.8		Allow for supply and spread Talborne Organics fertilizer:	3	v		
24.8.1		Spring: Vita Green 5:1:5 (16) at 100g / m²	kg	104		
24.8.2		Autumn: Vita Grow 2:3:2 at 100g / m²	kg	104		
24.9		Trees:				_
24.9.1		Supply and place 500g Haifa Multicote Agri 8 Controlled Release Fertilizer, or similar approved supplier, (39- 250L/400L/3m palm trees) or 1kg Haifa Multicote Agri 12 Controlled Release Fertilizer (1-1000L/7m palm trees) every 8 months.	No.	40		
4.10		HARD SURFACES				
4.10.1		Allow for manual weed control on all paving & asphalt areas (1367m²)	month	12		
4.10.2		Allow for chemical weed control on all paving & asphalt areas (1367m²) four times a year	3 months	4		
4.11		LITTER				
4.11.1		Keep planted areas clean of all litter (1659m²)	month	12		
4.12		GENERAL				
1.12.1	ŀ	Allow for all other maintenance work such as pest control, pruning of trees and palms, stake + tree guard upkeep.	month	12		
1.12.2	ľ	All administrative monitoring and reporting	month	12		
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al Carried F	Forward To Sเ	ımmary			R	

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SCHEDULE 10: SOFT LANDSCAPE WORKS

SECTION	DESCRIPTION	SUMMAI	AMOUNT (R
20	SECTION 20: SOFT LANDSCAPE EARTHWORKS		AMOUNT (R
21	SECTION 21: PLANTING MEDIUM	j	
22	SECTION 22: PLANTING WORKS		
23	SECTION 23: SUNDRIES		
24	SECTION 24: MAINTENANCE		
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I Carried Fo	orward to Summary of Schedules 93	R	

ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
25		SECTION 25: SITE SECURITY				
25.1		Rate for <u>unarmed</u> security officers				-
		Monthly rate for a Security Officer working a 12-hou shift per day from Monday to Sunday both days inclusive. This rate shall apply to both day and night shifts as well as to any public holiday(s) that may fall during the period Monday to Sunday. The rate shall be for the following: The rate shall include transporting security officers to and from points of duty and one inspection per shift, per site by a senior security officer (Security Inspector/ Security Manager), perimeter patrols and guarding of units until handover. The Security Company to be PSIRA Registered.				
25.1.1		6 x Grade C Night Time Guards per month	month	12		
25.1.2		6 x Grade C Day Time Guards per month	month	12		
25.2		Security Equipment				
25.2.1		1 x Communication and/or Monitoring Device	month	12		
25.2.2		4 x Two-way Radios	month	12		
25.2.3		1 x Base radio	month	12		
5.2.4		2 x Hire of Guard Shelter ("Hut"/Sentry Box) Suitable Temporary Unit	month	12		
5.2.5		1 x Hire of Portable Toilets (Delivered, Serviced, Removed)	month	12		

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Total Carried Forward To Summary

SCHEDULE 12: SITE SECURITY AND TEMPORARY WORKS

ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
26		SECTION 25: TEMPORARY WORKS				
	8.8	Temporary Works				
6.1	8.8.2	Deal with traffic and maintain road (or accommodation of traffic)	Sum	1.0		
3.2	8.8.4	Existing services				
5.2.1		Excavate by hand in soft material to expose existing services as directed by the Engineer	m³	106.0		
.3		Temporary barricade fence to be used for isolating sectional completion of works:				
3.1		Supply and erect temporary barricade fence. Fence to consist of 2.1 m high heavy duty steel panels, panel frame to be 32 mm diameter steel sections with anti-climb 4mm diameter weld mesh infill (maximum 60 mm horizontal aperture width) or similar approved. Entire fence to be hot dipped galvanised. Rate to include for concrete fence feet, fence clamos and fence stavs.	m	300.0		
.3.2	ľ	Dismantle and re-erect temporary barricade fence	m	900.0		
.3.3	[f	Dismantle temporary barricade fence and remove from site	m	300.0		
				*		

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Total Carried Forward To Summary

SCHEDULE 12: SITE SECURITY AND TEMPORARY WORKS

CECTION	DECORPORE :	SUMMARY OF SECTION
SECTION 25	DESCRIPTION SECTION 25: SITE SECURITY	AMOUNT (I
26	SECTION 26: TEMPORARY WORKS	
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SUMMARY OF SCHEDULES

SCHEDULE NO.	SUMMARY	PAGE NO	. AMOUNT (R)
1	PRELIMINARIES (SECTIONS A, B AND C)	53	
2	DISTRIBUTION AND STREET LIGHT INFRASTRUCTURE	71	
3	SINGLE STOREY FREE-STANDING UNIT	72	
4	SINGLE STORY SEMI-DETACHED UNIT	73	
5	DUPLEX FREE-STANDING UNIT	74	
6	DUPLEX SEMI-DETACHED UNIT	75	
7	SPECIAL NEEDS UNITS - DUPLEX SEMI-DETACHED UNIT	76	
8	SPECIAL NEEDS UNITS - FREE STANDING UNIT	77	
9	CIVIL ENGINEERING SERVICES	80	
10	HARD LANDSCAPING WORKS	86	
11	SOFT LANDSCAPING WORKS	93	
12	SITE SECURITY AND TEMPORARY WORKS	96	
	SUB-TOTAL (NETT)	R	
<u> </u>	CONTINGENCIES		
10	Allow the sum of 10% (ten percent) of the above Sub-total for Contingencies to be spent as the Employer's Agent may direct and to be deducted in whole or in part If not required	R	
	OTAL (INCLUDING CONTINGENCIES)	R	
<u>\\\\</u>	ALUE ADDED TAX	=	
А	DD: VAT at the rate of 15%	R	
С	arried to Part C1.1 Form of Offer and Acceptance	R	