

# KING SABATA DALINDYEBO LM



**BILL OF QUANTITY FOR**  
**ELECTRIFICATION OF 210 RDP HOUSES AT MAIDEN FARM**  
**BID NUMBER: SCM: 001/2022/23**

**BIDDER:**

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**BID PRICE:**

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**CSD SUPPLIER NUMBER**

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**PREPARED BY:**

SUPPLY CHAIN MANAGEMENT OFFICE  
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MUNITATA BUILDING  
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BILL 1 - PRELIMINARY & GENERAL					
ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	TOTAL
<b>1</b>					
1.1	Compliance with all the contractual requirements of the contract, including project programming, outage management, weekly progress reporting, materials management, meetings and quality & environmental management.	Sum	1		
1.2	<b>Establish facilities on site. The Contractor shall provide a fenced space with fence at least 1.8m high with a lockable gate for a temporary Site Office and Stores where all drawings and Specifications will be kept, as well as the provision of safe and Facilities for Contractor :</b>				
	<b>Facilities for Contractor :</b>				
	a) Offices & storage sheds	Sum	1		
	b) Establishment of staff accommodation, office accommodation on site for site meetings and a Clerk of Works including office furniture and telephone / telefax as specified and facilities.	Sum	1		
	c) Ablution & latrine facilities	Sum	1		
	d) Tools & equipment	Sum	1		
	e) Water supplies, electric power & communications	Sum	1		
1.4	Removal of all items indicated above upon completion of construction and making good and restoring of the Site to the satisfaction of the Project Manager.	Sum	1		
1.6	<b>Construction Name Board</b> - The Contractor shall place a board bearing the details of the project and all relevant stake holders.	Sum	1		
1.7	Provision for the compilation of the Construction Programme, to be done in MS Project and updated on a fortnight basis and Quality Assurance Programme for the works.	Sum	1		
<b>2</b>	<b>Occupational Health &amp; Safety Requirements</b>				
2.1	Provision for Legal and Contractual Compliance.	Sum	1		
2.2	Provision of personal protective equipment and clothing for all the contractor's staff, including sub-contractors.	Sum	1		
2.3	Provision of safety measures, e.g.. Fall arrest systems, shoring for safety purposes etc.	Sum	1		
2.4	Compliance with OH&S Act & Construction Regulations.	Sum	1		
<b>3</b>	<b>Compliance with the Requirements for the Expanded Public Works Programme</b>				
	Note: The reports are to be submitted with the contractors monthly invoice.				
3.1	Compliance with the Requirements for the Expanded Public Works Programme (incl. monthly reports).	Sum	1		
SUB TOTAL (BILL 1) PAGE 1 B/F					
SUB TOTAL (BILL 1) PAGE 1 C/F					
BILL 1 - PRELIMINARY & GENERAL					
ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	TOTAL PRICE (SARANDS)
	Amount brought forward from previous page				
5.1	Contractors must allow for outages being done of weekends.		1		
5.2	Provide detailed breakdown of outage scope complete with time allocations to be handed to the Project Co-ordinator at the outage planning meeting prior to the outage - [minimum of 48 hours]	ea	1		
<b>6</b>	<b>Time Related Items (To maintain site for the duration of the project)</b>				
6.1	Operate and Maintain Facilities on Site				
	Facilities for Contractor:				
	a) Offices & storage sheds	Months	3		
	b) Ablution & latrine facilities	Months	3		
	c) Tools & equipment	Months	3		
	d) Water supplies, electric power & communications	Months	3		
	e) Safety related items	Months	3		
6.2	Provision of office accommodation on site for site meetings and a Clerk of Works including office furniture and telephone / telefax as specified.	Months	3		
6.3	Contract management and full time supervision of the works	Months	3		
6.4	Community Liaison Officer conversant in Xhosa and local cultural norms	Months	3		
	<b>Security</b>				
6.5	Contractor shall provide security guard/s to ensure the site including offices, storage sheds and all material are protected from theft or any damage. The Contractor needs to ensure that the above mentioned is guarded 24hrs a day.	Months	3		
<b>Note</b>	<b>No softcopy will be supplied by the municipality</b>				
<b>Note</b>	<b>While every effort has been put in to ensure correct calculations. It is the sole responsibility of the Contractor to ensure an accurate submission.</b>				
TOTAL : Carried forward to summary					

BILL NO 2 - MEDIUM VOLTAGE SWITCHGEAR, SECTIONALISERS, TRANSFORMERS, ETC							
KSD_MAYDEN FARM INFILLS			ENQUIRY NO.				
Item	Description	Detail Reference	Unit	Tender Quantity	Supply Rate	Install Rate/labour rate	Total Price (R)
	<b>Transformers</b>						
	Supply, Deliver to Site and Install on appropriate structure and secure as required including the termination of cables and conductors, the provision of suitable lugs for 35, 50 or 70mm conductor as required. Excluding cable, conductors, and the transformer structure.						
2.1	Transformer 32kVA, 11kV/400V Dual Phase	DDT 3021	No				
2.2	Transformer 50kVA, 11kV/400V Three Phase	DDT 3021	No				
2.3	Transformer 100kVA, 11kV/400V Three Phase	DDT 3021	No				
2.4	Transformer 200kVA, 11kV/400V Three Phase	DDT 3021	No	2			
2.5	Transformer 315kVA, 11kV/400V Three Phase	DDT 3021	No				
	<b>Medium Voltage Surge Arrestors</b>						
	Supply, deliver, off load on site and safely store on site the following surge arrestors, complete with galvanised steel mounting brackets for securing the surge arrestor, nuts, bolts, washers and lock washers as specified. Secure the surge arrestors and brackets to the transformer as specified including the termination of conductors. Excluding the conductors and transformer.						
2.6	11kV, 10kA Surge arrestor	DDT 3100	No	6			
	<b>Medium Voltage Sectionalisers and Links</b>						
	Supply and install link isolators as detailed including the installation of crossarm brackets and the termination of conductors and including the drilling of holes in wooden poles as required.						
2.7	FUSE-CUT/OUT ASSY,L/BRK 22kVCOASTALD 3208	DDT 1850	No				
2.8	SW-DISC 3PH 22kV 400A 1-POLE CSTL D3085	DDT 1857	No				
2.9	MV 11kV solid inserts per D- DT 3086	D-DT0290	No				
2.10	MV 22kV fuse holder 100A as per D-DT3086	D-DT0290	No				
2.11	FUSE-LINK, 20K OUTDOOR CUT-OUT as per D-DT3199	D-DT0290	No	6			
	<b>Neutral Surge Arrestor</b>						
	Supply and install a LV surge arrestor including lugs and galvanised bolts.						
2.12	Surge arrestor	DDT 1863	No	2			
	<b>Transformer Earthing and Tests</b>						
	Supply and install all materials for the complete earthing of transformer structures for ABC networks as specified. Included in the rate shall be all required spikes, insulated copper conductor, galvanised conduits, staples, bare copper, excavations, backfilling, etc. The rate shall allow for one MV earth electrode only, consisting of four earth spikes in accordance with the specifications. Additional earth spikes/conductor shall be measured elsewhere if required.						
2.13	MV Earth and Testing	DDT 1866 & DDT 1863	No	2			
Note	No softcopy will be supplied by the municipality						
Note	While every effort has been put in to ensure correct calculations. It is the sole responsibility of the Contractor to ensure an accurate submission.						
	<b>TOTAL : Carried forward to summary</b>						

BILL NO 3 - MEDIUM VOLTAGE OVERHEAD DISTRIBUTION SYSTEM							
KSD_MAYDEN FARM_INFILLS			ENQUIRY NO.				
Item	Description	Detail Reference	Unit	Tender Quantity	Supply Rate	Install Rate	Total Price (R)
	<b>Conductor</b>						
	<p>Note that 5% additional to net conductor length has been measured to allow for sag and cut-offs. Measured lengths for stringing shall be net conductor lengths and unit rates shall allow for sag, cut-offs, etc. Off load on site the conductors and install, the running out of, regulating, making off of, and tying in, safely store on sealed drums with ends adequately secured as specified. Stringing of conductor as specified including splices, jumper conductor, dead ends, wraps, conductor ties, strain clamps, suspension clamps, tensioning, sagging etc. The following dimensions will all be "CONDUCTOR LENGTH" not route length</p>						
3.1	MV ACSR						
3.1.1	FOX Conductor	D3136	m	1 200			
3.1.2	HARE Conductor	D3136	m				
	<b>Medium Voltage Structures</b>						
Note	<p>Allow for the following structures and insulator assemblies in accordance with the specifications as shown in the drawings. Include the drilling of holes and treating of such holes, the provision of the U-nails and earthwire in accordance with Munic specifications. The supply and installation of 15m of 3/3.35x1100MPa steel wire for a GIL for each pole structure as per Munic specification. Exclude the supply and planting of poles, stays and struts which are measured elsewhere.</p> <p>Supply and install all material as specified for the construction of the following MV structures. Including bonding of hardware and earthing. All excavations, poles, crossarms and stays are measured elsewhere.</p>						
3.2	3 PHASE TAKE-OFF - DELTA / 1.3m STEEL CROSSARM	D1803	No				
3.3	RECLOSER STRUCTURE - GENERAL ARRANGEMENT	D1825	No				
3.4	CT/VT METERING BULK TARIFF IN LINE (GENERAL ARRANGEMENT)	D1840	No				
3.5	SECTION / EQUIP. LINKS / DISCON 1.3m STEEL XARM / SINGLE POLE	D1850	No	2			
3.6	SECTION / LOAD BREAK SWITCH - G/ LINK STICK OPERATED - 1 POLE MTED. c/w INDICATOR, FAULT PATH PERM BASC C/M D3037	D1857	No				
3.7	TRFR - 5-100kVA / SINGLE POLE MOUNTED GEN. AR'GEMENT	D1866	No				
3.8	TRFR 100-200kVA - 2-POLE P/FORM MOUNTED (IN-LINE) GEN AR'GEMENT	D1863	No	2			
3.9	3 PHASE - H-POLE / 2 x 4.5m WOOD XARM STRAIN - LARGE (61 - 90 DEG.)	D1873	No				
3.10	INTERMEDIATE CAPE A-FRAME HARE PORC 4KN. c/w BIL downwire (3x3.35 staywire) & BIL Gap device (TG001) on Interm Pole 10m	D6022/I	No	9			
3.11	STRAIN W.CAPE A-FRAME HARE ELBROC(INLINE STRAIN)	D6022/O	No				
3.12	STRAIN (0-60D) W.CAPE A-FRAME FOX ELBROC	D6022/60	No	1			
3.13	STRAIN (60-90D)W. CAPE A-FRAME FOX ELBROC	D6022/90	No	1			
3.14	STRAIN W.CAPE FOX ELBROC(TERMINAL)	D6022/T	No	2			
Note	No softcopy will be supplied by the municipality						
Note	While every effort has been put in to ensure correct calculations. It is the sole responsibility of the Contractor to ensure an accurate submission.						
	<b>TOTAL : Carried forward to summary</b>						

BILL NO 4 - LV OVERHEAD DISTRIBUTION LINES							
KSD_UMTATAWEST&BONGWENI_INFILLS			ENQUIRY NO.				
Item	Description	Detail Reference	Unit	Tender Quantity	Supply Rate	Install Rate	Total Price (R)
	<b>LV ABC ("Free Issue" Item)</b>						
Note	The LV insulated neutral (covered neutral) aerial bundle conductor system shall be in accordance with SABS 1418 and insulated in accordance with SABS 0198 and the Distribution Standard Part 3.						
Note	The unit rate per meter shall include the tensioning and stringing of the bundle in accordance with the sag and stress tables provided by the manufacturer with all plant, equipment and accessories required to erect an LV overhead bundled distribution line i.e. Drum trailer, winch, wind-off pulleys, pulling rope/cable with connection, dynamometer, slide-lock, sheathed synthetic-fibre belt, woven snatch belt, snatch block, tackle, shackle, etc.						
Note	Measured lengths for stringing shall be net line route lengths and unit rates shall include for sag, off-cuts, etc.						
	<b>Contractor to safely store and transport to site and string. The conductor will be on sealed drums and adequate allowance shall be made for the correct handling thereof.</b>						
4.1.1	Three Phase ABC 35mm² 4C	D3141	m	600			
4.1.2	Single Phase ABC 35mm² 2C	D3141	m				
4.1.3	Three Phase ABC 70mm² 4C	D3141	m	1000			
4.1.4	Single Phase Fox	D3136	m				
4.1.5	Three PhaseFox	D3136	m				
	Amount carried over to next page						
Item	Description	Detail Reference	Unit	Tender Quantity	Supply Rate	Install Rate	Total Price (R)
	Amount brought forward from previous page						R 0.00
	<b>LV STRUCTURES</b>						
	Allow for the assembly of the following LV strain and suspension assemblies in accordance with the specifications shown in the drawings. Including all earthing, drilling of holes and treating of drilled holes. All LV ABC hardware, line connectors, PVC cable ties, nuts, bolts, washers, lock washers shall be allowed for in the appropriate item below. Excluding the supply and planting of poles, stays and struts, which are measured elsewhere.						
	Supply and install all the materials as specified for the following						
	<b>LV STRUCTURES DUAL PHASE</b>						
4.2	ABC Suspension Assembly 0-30	D-DT-1153	No				
4.3	ABC Terminal Assembly	D-DT-1154	No				
4.4	ABC Strain Assembly (0-60°)	D-DT-1155	No				
4.5	ABC Strain Assembly (60-90°)	D-DT-1156	No				
4.6	ABC T from Intermediate	D-DT-1157	No				
4.7	ABC T from Strain	D-DT-1159	No				
	<b>LV STRUCTURES THREE PHASE</b>						
4.8	ABC Suspension Assembly 0-30	D-DT-1100	No	7			
4.9	ABC Terminal Assembly	D-DT-1120	No	26			
4.10	ABC Strain Assembly (0-60°)	D-DT-1121	No	8			
4.11	ABC Strain Assembly (60-90°)	D-DT-1122	No	5			
4.12	ABC T from Intermediate	D-DT-1140	No	6			
4.13	ABC X Intermediate Suspension assembly	D-DT-1141	No				
4.14	ABC T from Strain	D-DT-1142	No	2			
4.15	ABC X Intermediate- Strain assembly	D-DT-1143	No	3			
	Amount carried over to next page						

Item	Description	Detail Reference	Unit	Tender Quantity	Supply Rate	Install Rate	Total Price (R)
	Amount brought forward from previous page						
	<b>LV Fuse Switch Units</b>						
	Supply, deliver to site, off load on site and safely store. The fused switch shall be supplied complete with the pole mounting bracket, nuts, bolts, washers, etc. for securing the unit to the wooden pole. The fuses shall be supplied with the fuse switch unit. Fuse ratings shall be as shown on the drawings. Install the on load fused disconnecting switch on the transformer structure including the drilling of holes as required, including the termination of the LV ABC to the unit.						
4.24	63A Load disconnecting switch similar to MORSDORPHER 63A		No				
4.25	80A Load disconnecting switch similar to MORSDORPHER 80A		No				
4.26	100A Load disconnecting switch similar to MORSDORPHER 100A		No				
4.27	125A Load disconnecting switch similar to MORSDORPHER 125A		No	6			
	<b>LV Pole Mounted Service Boxes</b>						
	Supply and install on a wooden and/or concrete pole a pole mounted distribution box as specified complete with pole mounting brackets, cable ties, PG clamps, miniature circuit breaker(s), neutral, phase and earth bars, insulated copper tails for connecting to LV ABC, insulation piercing connectors and factory installed cable openings. Included shall be the stainless steel strapping and buckles and terminations of the tails onto the LV ABC.						
4.28	BOX, POLE TOP SPLIT METER 2-WAY 50A D3055	-	No	12			
4.29	BOX, POLE TOP SPLIT METER 4-WAY 50A D3055	-	No	21			
4.30	BOX, POLE TOP SPLIT METER 8-WAY 50A D3055	-	No	11			
4.31	PADLOCK, ST LV MASTER EC OU D6050 (ORANGE)	-	No	44			
	<b>Street Lighting</b>						
	The streetlighting is existing. The items are meant for the reinstallation of street fittings and wiring that may need to be removed during MV Line refurbishment.						
4.31	Day Light Switches		No				
4.32	Street Light Wiring		No				
4.33	Install Street Light Control Boxes		No				
	<b>Earthing of LV Network</b>						
Note	All MV transformer earthing is measured elsewhere and all LV earths per structure are measured with the structure. This section is intended for LV earths at transformers						
	Supply and install all materials for the complete earthing of transformer structures for ABC and PME networks as specified. Included in the rate shall be all required spikes, insulated copper conductor, galvanised conduits, staples, bare copper, excavations, backfilling, etc. The rate shall allow for one LV Tri-Star earth only, consisting of four earth spikes in accordance with the specifications. Additional earth spikes/conductor shall be measured elsewhere if required.						
4.34	LV Earth	DDT 1866 & DDT 1863	No	2			
	<b>Testing</b>						
	Allowance shall be made for the testing of each LV ABC and Open Wire distributor on accordance with the project specification. Included shall be the provision of test certificates and all documentation as required.						
4.35	LV Test		No	2			
Note	No softcopy will be supplied by the municipality						
Note	While every effort has been put in to ensure correct calculations. It is the sole responsibility of the Contractor to ensure an accurate submission.						
	<b>TOTAL : Carried forward to summary</b>						

BILL NO 5 - SUPPORT FOR OVERHEAD RETICULATION							
KSD_MAYDEN FARM_INFILLS			ENQUIRY NO.				
Item	Description	Detail Reference	Unit	Tender Quantity	Supply Rate	Install Rate	Total Price (R)
	<b>Poles and Crossarms</b>						
Note	Poles for service connections are measured elsewhere						
	<u>Supply and install pole in excavated hole, including cutting and scafing, kicking blocks, bonding, treating, etc. Excavations and compaction are measured elsewhere. MV Flying stay and strut poles are included here.</u>						
5.1	9m Pole, 140-159mm top diameter	D-DT-0051	No				
5.3	9m Pole, 160-179mm top diameter	D-DT-0051	No	53			
5.4	11m Pole, 160-179mm top diameter	D-DT-0051	No	9			
5.5	11m Pole, 180-199mm top diameter	D-DT-0051	No	7			
5.6	11m Pole, 200-mm top diameter	D-DT-0051	No	4			
5.7	12m Pole, 200-219mm top diameter	D-DT-0053	No				
5.8	Rock drilling (RE-MEASUREABLE) to be verified by COW prior to commencement.	-	No				
	<b>Supply, off load and install the following Galvanised Steel and Wooden cross arms.</b>						
5.9	2.5m, 140-159mm Diameter	D-DT-0061	No				
5.10	4.5m, 160-179mm Diameter	D-DT-0064	No				
5.11	XARM,ST CHANNEL 1300LG FOX/MINK D3027	D-DT-3027	No	2			
5.12	XARM,A-FRAME 1.24x1m HG STD INTERM D2154	D-DT-2154	No	9			
5.13	XARM,A-FRAME 1.24x1m HG STD STRAIN D2155	D-DT-2154	No	4			
	<b>Stays, Flying Stays and Anti-Climbing Devices</b>						
Note	Existing stays can be reused as long as they are in the correct position, with the NEW galvanised steel wire. The unit price for a standard stay and an aerial stay shall exclude the wooden poles, but include the stay wire, stay rods, insulators, stay plate, stay guards, bitumastic paint, guy grip dead end, earthing of stay, line splice, precast concrete slabs, pole clamp, nuts bolts and washers etc. The following stays shall be in accordance with the specification and shall include a stay plate						
5.14	LV Stay	D-DT-0350	No	34			
5.15	MV Stay	D-DT-0341	No	5			
	Amount carried over to next page						
Item	Description	Detail Reference	Unit	Tender Quantity	Supply Rate	Install Rate	Total Price (R)
	Amount brought forward from previous page						R 0.00
	<b>The following struts shall be in accordance with the specification</b>						
5.16	MV Strut (All Sizes)	D-DT-0342	No	3			
5.17	LV Strut (All Sizes)	D-DT-0343	No	13			
	<b>The following flying stays shall be in accordance with the specifications and shall exclude poles</b>						
5.18	LV Flying Stay	D-DT-0350	No				
5.19	MV Flying Stay	D-DT-0343	No				
	<b>The following anti-climbing devices shall include as specified by Eskom</b>						
5.20	Anti climbing device		No	20			
	<b>Excavations and Compaction. One hundred percent Drilling</b>						
Note	The excavations for service connections are measured elsewhere  Determination of pole positions, excavate in all ground conditions as necessary, and supply a mechanical boring device if required. The rate shall include backfilling, compaction to 93% MOD AASHTO density, and where necessary the supply and transportation of suitable ground as may be required to receive the desired compaction, except where cement is specified. Any damage to existing services shall be made good by the Contractor at his own expense and to the approval or the PM(C). Stay and struts pole holes are seperated here.						
5.21	Pickable Soil by Hand Hole for 7m pole - 1.3m deep		No				
5.22	Drilled Hole for 7m pole - 1.3m deep		No				
5.23	Pickable Soil by Hand Hole for 9m pole - 1.5m deep		No	30			
5.24	Drilled Hole for 9m pole - 1.5m deep		No	10			
5.25	Pickable Soil by Hand Hole for 11m pole - 1.8m deep		No	13			
5.26	Drilled Hole for 11m pole - 1.8m deep		No	4			
	Amount carried over to next page						

Item	Description	Detail Reference	Unit	Tender Quantity	Supply Rate	Install Rate	Total Price (R)
	Amount brought forward from previous page						R 0.00
5.27	Pickable Soil by Hand Hole for LV stay - 1.5m deep		No	25			
5.28	Drilled Hole for LV stay - 1.5m deep		No	9			
5.29	Pickable Soil by Hand Hole for MV stay - 1.8m deep		No	4			
5.30	Drilled Hole for MV stay - 1.8m deep		No	1			
5.31	Pickable Soil by Hand Hole for MV strut - 0.5m deep		No	3			
5.32	Drilled Hole for MV strut - 0.5m deep		No				
5.33	Pickable Soil by Hand Hole for LV strut - 0.5m deep		No	13			
5.34	Drilled Hole for LV strut - 0.5m deep		No				
	<b>Pole Labels</b>						
	Supply and install labels on all poles in accordance with the specifications including the provision of all fixing materials.						
5.35	Transformer Labels		No	2			
5.36	Link Labels		No	2			
5.37	Pole Top box phasing labels		No	33			
5.38	Mosdoffer Labels		No	2			
	<b>Line Route Clearing</b>						
	Clearing of trees from a servitude, including the stacking or disposal of cuttings and debris, as directed by Eskom, and the poisoning of stumps with an approved poison.						
5.39	Dense bush (thin dense blackwattles, thornbush or brambles - not possible to walk through) MV 12m wide strip (6m either side of the centre line) to be cleared and poisoned		m				
5.40	Ditto, but for LV 1m wide strip and no poisoning required		m				
5.41	Small trees (less than 30cm diameter scattered bush or plantation - accessible on foot) MV 12m wide strip (6m on either side of the line) to be cleared and poisoned		m				
5.42	Ditto, but for LV 1m wide strip and no poisoning required		m				
5.43	Large trees (greater than 30cm diameter) including poisoning		No				
	TOTAL : Carried forward to summary						
Item	Description	Detail Reference	Unit	Tender Quantity	Supply Rate	Install Rate	Total Price (R)
	Amount brought forward from previous page						R -
	<b>Concrete</b>						
	Ready mix concrete slabs for pole bases as required						
5.44	Concrete bases		No				
	Supply and mix cement on site into material excavated from pole hole, including the provision of water to ensure the correct moisture content of the backfill material.						
5.45	Cement mixture per hole		No				
	<b>Road Crossing</b>						
	Stringing of conductors across a road. All Traffic Control measures, including Police Notification and Satutory requirements						
5.46	Comply with Traffic Control requirements		No	0			
Note	No softcopy will be supplied by the municipality						
Note	While every effort has been put in to ensure correct calculations. It is the sole responsibility of the Contractor to ensure an accurate submission.						
	TOTAL : Carried forward to summary						



BILL NO 6 - HOUSE CONNECTIONS							
KSD_MAYDEN FARM_INFILLS			ENQUIRY NO.				
Item	Description	Detail Reference	Unit	Tender Quantity	Supply Rate	Install Rate	Total Price (R)
	<b>House Connections</b>						
	These house Connections (Type A) are not NEW, THEY ARE A RECONNECTION AFTER LINE REFURBISHMENT test and commissioning complete.NO Poles excavations.						
6.1	Type A (Direct Connection)	D-DT-0360	No	76			
	These house Connections (Type A) are not NEW, THEY ARE A RECONNECTION AFTER LINE REFURBISHMENT House Connections (Type B), test and commissioning complete. Poles and excavation are measured elsewhere.						
6.2	Type B (Service Pole)	D-DT-0361	No	134			
	Supply, transport to site, off load on site and safely store on site the following Passive Base Units, ECU's , complete with rail, galvanised steel mounting brackets for securing to the dwelling, nuts, bolts, washers and lock washers as required. Secure the passive base, ECU and brackets to the dwelling as required including the termination of conductors. Excluding the conductors.						
6.4	ReadyBoard, Split meter 2x16A SKTS D317		No	210			
6.5	METER, 20A/60A, SPLIT POWER-RAIL PLC D3145		No	210			
6.6	Customer Interface Unit		No	210			
	<b>Conductor</b>						
Note	Measured lengths for stringing shall be net line route lengths and unit rates shall include for sag, cut-offs etc.						
	Contractor to supply, safely store, transport to site and string. Installation includes all glands, lugs, shrouds, termination and connections as required.						
Note	The House connection are reconstructions of existing connections that may have been removed during line refurbishment						
6.7	4mm airdac		m				
6.8	Cable 1kV 1C10mmSQ Concentric Cable suitable for split metering		m	6300			
	Amount carried over to next page						
Item	Description	Detail Reference	Unit	Tender Quantity	Supply Rate	Install Rate	Total Price (R)
	Amount brought forward from previous page						R 0.00
	<b>Sundry Items- NOT APPLICABLE</b>						
	Supply and install pole in excavated hole, including cutting and scaffing, kicking bolts, bonding, treating, etc. Excavations and compaction are measured elsewhere.						
6.9	5m Pole, 80-99mm top diameter	DDT 0058	No	67			
7.0	7m Pole, 100-120mm top diameter	DDT 0050	No	40			
	Determination of pole positions, excavate in all ground conditions as necessary, and supply a mechanical boring device if required. The rate shall include backfilling, compaction to 93% MOD AASHTO density, and where necessary the supply and transportation of suitable ground as may be required to receive the desired compaction, except where cement is specified. Any damage to existing services shall be made good by the Contractor at his own expense and to the approval or the PM(C).						
7.1	Hole for 5m service pole - 1m deep		No	57			
7.2	Hole for 7m service pole - 1.4m deep		No	40			
Note	While every effort has been put in to ensure correct calculations. It is the sole responsibility of the Contractor to ensure an accurate submission.						
	CABLE,ELECT:BVX4LCV;CU;35 MM2;PVC	D-DT-3128	m				
	CABLE,ELECT:BVX4HCV;CU;16 MM2;PVC	D-DT-3128	m				
	CABLE,ELECT:BVX3LCV;CU;35 MM2;PVC	D-DT-3128	m				
	CABLE,ELECT:BVX2HCV;CU;16 MM2;PVC	D-DT-3128	m				
Note	No softcopy will be supplied by the municipality						
Note	While every effort has been put in to ensure correct calculations. It is the sole responsibility of the Contractor to ensure an accurate submission.						
	<b>TOTAL : Carried forward to summary</b>						

FINAL SUMMARY							
KSD_UMTATAWEST&BONGWENI_INFILLS			ENQUIRY NO.				
Bill	Description	Detail Reference	Unit	Tender Quantity	Supply Rate	Install Rate	Total Price (R)
1	PRELIMINARY AND GENERAL						
2	MEDIUM VOLTAGE SWITCHGEAR, SECTIONALISERS, TRANSFORMERS, ETC.						
3	MEDIUM VOLTAGE OVERHEAD DISTRIBUTION SYSTEM						
4	LOW VOLTAGE OVERHEAD DISTRIBUTION LINES						
5	SUPPORT FOR OVERHEAD RETICULATION						
6	HOUSE CONNECTIONS						
7	Provisional Sums ( To be paid to the professional service Provider)						R 470 000.00
Note	A cession agreement will signed between selected service provider and the contractor for the provisional sums for Sum of R 470 000 + Vat)						
	SUBTOTAL 1 TOTAL EXCLUDING VAT						
	SUBTOTAL 2 TOTAL EXCLUDING VAT						
	ADD VAT @ 15%						
	GRAND TOTAL VAT INCLUSIVE						
Note	While every effort has been put in to ensure correct calculations. It is the sole reponsibility of the Contractor to ensure an accurate submission.						