



Knysna

Municipality • Munisipaliteit • uMasipala
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TENDER DOCUMENT

TENDER NUMBER:		T18 of 2021/22	
TENDER DESCRIPTION:		TO PERFORM ELECTRICAL AND ASSOCIATED WORKS FOR A PERIOD OF THREE (3) YEARS	
CLOSING TIME:	12H00	CLOSING DATE:	13 October 2021
Tender Box at: SUPPLY CHAIN MANAGEMENT UNIT FINANCE BUILDING, QUEEN STREET KNYSNA 6570		NB: 1. All bids must be submitted on the official forms – (not to be re-typed) 2. Bids must be completed in black ink in writing 3. No bids will be considered from persons in the service of the state	
Name of Bidder:			
Tendered Amount:		Section A: R _____ Section B R _____ Section C R _____ Section D R _____	
B-BBEE Status Level of Contributor:			
Preference Points Claimed:			
CSD Supplier number			
CSD Unique reference number			
B-BBEE certificates submitted with the bid document MUST be VALID ORIGINAL BBEE CERTIFICATES or VALID CERTIFIED COPIES OF THE B-BBEE CERTIFICATES or VALID SWORN AFFIDAVITS			
Signature of Knysna Municipality Officials at Tender Opening		1.	
		2.	

KNYSNA MUNICIPALITY									
TENDER NOTICE AND INVITATION TO BID									
DETAILS OF TENDERER									
NAME OF BIDDER:									
TRADING AS (if different from above):									
STREET ADDRESS:									
		City/Town				Code			
POSTAL ADDRESS:									
		City/Town				Code			
CONTACT PERSON:									
ENTERPRISE NUMBER:	REGISTRATION				CIDB NUMBER:	CRS	N/A		
TCS PIN					FACSIMILE NUMBER:				
E-MAIL ADDRESS:									
TELEPHONE NUMBER:					CELLPHONE NUMBER:				
HAS TAX COMPLIANCE STATUS PIN BEEN ATTACHED?							YES	NO	
HAS AN ORIGINAL OR CERTIFIED COPY OF A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE BEEN SUBMITTED? (MBD 6.1)							YES	NO	
HAS THE DECLARATION BEEN COMPLETED AND CURRENT, ORIGINAL OR CERTIFIED MUNICIPAL ACCOUNTS BEEN ATTACHED? (MBD 15)							YES	NO	
DECLARATION									
I am duly authorised to represent the tenderer for the purpose of this tender and hereby tender to supply all or any of the goods and/or render all or any of the services described in the attached document to the Knysna Municipality on the terms and conditions stipulated in this tender document and in accordance with the specification stipulated in the tender document.									
NAME (PRINT)					SIGNATURE				
CAPACITY					DATE				

 Knysna Municipality • Munisipaliteit • uMasipala INCLUSIVE. INNOVATIVE. INSPIRED.	KNYSNA MUNICIPALITY			
	TENDER NOTICE AND INVITATION TO BID			
	NOTICE NO :	T18 of 2021/22	DIRECTORATE :	INFRASTRUCTURE SERVICES
ADVERTISED IN:	KNYSNA-PLETT HERALD, THE EDGE, MUNICIPAL NOTICE BOARD, MUNICIPAL WEBSITE, E-TENDER PORTAL			
BID NO:	T18 of 2021/22	PUBLISHED DATE:	09 September 2021	
Bids are hereby invited for (Tender Description):	TO PERFORM ELECTRICAL AND ASSOCIATED WORKS FOR A PERIOD OF THREE (3) YEARS			
CLOSING TIME AND DATE:	No later than 12H00	On the Date:	13 October 2021	
	Bids will be opened immediately thereafter, in public at the Knysna Municipality, Supply Chain Management Unit, Finance Building, Queen Street, Knysna			
AVAILABILITY OF BID DOCUMENTS:				
Tender Documents will be available at no charge from the Knysna Municipality Website at www.knysna.gov.za (Website navigation is as follow: Information Centre – SCM – Tenders).				
Alternatively Print Copies of the Tender Documents will be available as from 07h30 and thereafter on weekdays from 07h30 until 16h30, at Knysna Municipality: Supply Chain Management Unit, Finance Building, Queen Street, Knysna, at a non-refundable fee, payable to a cashier at Knysna Municipality Customer Care, Main Street, Knysna.		The fee may also be transferred via EFT (Knysna Municipality, Current Account – 1626561826, Nedbank, Knysna, Branch Code - 198765). Proof of payment will be required upon collection of tender documents. Bid Number to be used as payment reference with name of payee. Tender Document reference number: 349750848228		
Date Available:	09 September 2021	Non-refundable Documentation Fee:	R275.48	
BID RULES:				
1. Bids are to be completed in accordance with the conditions and bid rules contained in the bid document and supporting documents must be placed in a sealed envelope and externally endorsed WITH THE BID NUMBER, DESCRIPTION AND CLOSING DATE OF THE BID, and be deposited in the Bid Box, at the office of the Knysna Municipality, Supply Chain Management Unit, Finance Building, Queen Street, Knysna. Bids may only be submitted on the bid documentation that is issued. Bids will be evaluated according to the 80/20 points system. The bids are subject to the Preferential Procurement Policy Framework Act 2000 and the Preferential Procurement Regulations 2017. The Municipality reserves the right to withdraw any invitation to bid and/or re-advertise or to reject any bid or to accept a part of it. The Municipality does not bind itself to accept the lowest bid or to award a contract to the Bidder scoring the highest number of points.				
NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE AS DEFINED IN THE MUNICIPAL SUPPLY CHAIN MANAGEMENT REGULATIONS (GOVERNMENT GAZETTE NO 40553 DATED 20 JANUARY 2017).				
Tenderers who are not yet registered are required to register on the Municipality's Accredited Supplier Database as well as the CSD. Application forms are obtainable from the official website – www.knysna.gov.za .				
Preferential Procurement Point System Applicable	80/20	Local Content Requirement	No	
CIDB Registration Required	See Page 8 For Relevant CIDB Grading.		Validity Period	90 Days
Validity period	Notwithstanding the period for validity of bids as set out in the bid documents, bids shall be deemed to remain valid until formal acceptance by the Knysna Municipality of an offer at any time after the expiry of the			

	original validity period, unless the Knysna Municipality is notified in writing of anything to the contrary (including any further conditions) by the bidder.		
Site Meeting/Information Session	Applicable		
ANY ENQUIRIES REGARDING TECHNICAL INFORMATION MAY BE DIRECTED TO:		ANY ENQUIRIES REGARDING THE BIDDING PROCEDURE MAY BE DIRECTED TO:	
Section:	Electro-technical	Section:	Supply Chain Management
Contact Person:	N Naki	Contact Person:	N. MAJOLA / C. BEZUIDENHOUT
Tel:	Written Enquiries Only	Tel:	Written Enquiries Only
Email:	nnaki@knysna.gov.za	Email:	nmajola@knysna.gov.za / cybezuidenhout@knysna.gov.za
Authorized by:		ACTING MUNICIPAL MANAGER	Mr. D Adonis

CONTENTS

Number	Heading	Page Number
<u>THE BID</u>		
PART T1: <u>BIDDING PROCEDURES</u>		
T1.1	Bid notice and invitation to submit a bid	8-9
T1.2	Bid data	10-21
PART T2: <u>RETURNABLE DOCUMENTS</u>		
T2.1	List of returnable documents	22
T2.2	Returnable schedules	23-24
T2.2.1	Record of Addenda to bid documents	25
T2.2.2	Schedule of Amendments and Qualifications by Bidder	26
T2.2.3	Schedule of Particulars / Information	27-28
T2.2.4	Compulsory Enterprise Questionnaire	28-30
T2.2.5	Certificate of Authority for Joint Ventures	30-31
T2.2.6	Schedule of Bidder's Experience	32-35
T2.2.7	Schedule of Sub-Contractors	36-39
T2.2.8	Schedule of Plant and Equipment	40-43
T2.2.9	Municipal Bidding Documents (MBD's)	44-63
T2.2.10	Certificate of Tenderer's Attendance at Compulsory Clarification Meeting	64
T2.2.11	Undertaking to provide Performance Bond	65
<u>THE CONTRACT</u>		
PART C1: <u>AGREEMENTS AND CONTRACT DATA</u>		
C1.1	Form of offer and acceptance	66-71
C1.2	Contract data	72-74
C1.3	Performance Guarantee	75
PART C2: <u>PRICING DATA</u>		
C2.1	Pricing instructions	76-77
C2.2	Bills of Quantities	Excel format
PART C3: <u>SCOPE OF WORK</u>		

Number	Heading	Page Number
C3.1	<u>GENERAL SPECIFICATION</u>	78
1.0	Location and Description	77
2.0	Extent of Contract	77
3.0	Adjudication and Award of Bids	80
4.0	Letting of Contract	80
5.0	Equipment and Materials Supplied by Municipality	80
6.0	Supply Voltages	80
7.0	Switching of Supplies	80
8.0	Programme	80
9.0	Registration of Contractor	80
10.0	Site Staff	80
11.0	Site Facilities	81
12.0	Re-Measurement	81
13.0	Cost Price Adjustment	81
14.0	Clearance with Other Services	81
15.0	Monitoring Works	81
16.0	Work by Others	81
17.0	Weekend, Public Holidays	81
18.0	Health and Safety	81
19.0	Development of Emerging Contractors and Local Labour	90
20.0	Damage to Structures	82
21.0	Safety Procedures	82
22.0	Provisional Sums	82
23.0	Standards and Codes of Practice	82
24.0	Approval of Drawings	83
25.0	Contractor's Representative	83
26.0	Attending for Measurement	83
27.0	Operating, Maintenance and Servicing Procedures	83
28.0	Value Added Tax	83
29.0	Guarantee	83

Number	Heading	Page Number
C3.2	<u>STANDARD TECHNICAL INFORMATION</u>	84
1.0	Standards	84
1.1	Electrical Supply and Phase Rotation	84
1.2	Earthing and Bonding	84
1.3	Fencing	84
1.4	MV Switchgear and Substations	84
1.5	Instruments, Meters and Protection Relays	84
1.6	Sleeves	85
1.7	MV and LV Cables	85
1.8	MV and LV Cable Joints and Terminations	85
1.9	MV and LV Cable Testing	85
1.10	MV and LV Overhead Power Lines	86
1.11	MV and LV Aerial Bundled Conductor	87
1.12	Lightning Protection	87
1.13	Hot Dip Galvanising	87
1.14	Painting	87
1.15	Labels and Notices	87
2.0	Additional Requirements	87
2.1	MV and LV Cables	87-89
2.2	Miniature Substations and Pole Mounted Transformers	89
2.3	MV and LV Overhead Lines	89-90
2.4	Trenching, Excavation and Compaction	90-92
2.5	Meters	92
2.6	Pole Mounted Consumer Services Connections Boxes	92
2.7	LV Circuit Breakers	92
C4	<u>SITE INFORMATION</u>	93

ANNEXURES

A	Drawing No 10043/E/02
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THE BID NO. T18 /21/22

PART T1 – BIDDING PROCEDURES

T1.1 BID NOTICE AND INVITATION TO SUBMIT A BID

KNYSNA MUNICIPALITY

BID NO. T18 /2021/22: TO PERFORM ELECTRICAL AND ASSOCIATED WORKS FOR A PERIOD OF THREE (3) YEARS

Bids are invited from suitably qualified service providers to undertake work for the Electro-Technical Department of Knysna Municipality, within the municipal area, for a period of three (3) years from the date of appointment. The work is broken down into six (4) sections, as follows:

Section of Works	Description	CIDB Minimum Requirement
A	Tree and bush clearance within servitudes, etc	N/A
B	LV Service connections and Metering	EP 2
C	MV and LV Reticulation Construction Work	EP 2
D	MV and LV Maintenance Work	N/A

Bidders do not have to submit a bid for each Section of Works.

The bids will be adjudicated and awarded per Section of Works and more than one (1) Section of Work could be awarded to the same Bidder. There will be two (2) successful bidders that will be appointed for each section. This is to ensure that when bidder one is not available to attend to an emergency; bidder number 2 can be called to attend.

Only those Bidders who score the minimum points and more per Section of Works in terms of the qualification criteria stipulated in the bidding document will be further considered.

For all sections of the works, the Bidder shall have in his employ a suitably qualified staff member or can appoint an Accredited Agent that can manage and implement the requirements of the Occupational Health and Safety Act and Regulations.

The physical address for collection of bid documents is **the, Supply Chain Management Unit, Finance Building, Queen Street, Knysna.**

Documents may be collected during working hours from **Monday to Friday, from 09 September 2021.**

A non-refundable bid deposit of **R275.48** payable in cash or by bank guaranteed cheque, made out in favour of the Knysna Municipality, is required on collection of the bid document.

Queries relating to the issue of these documents may be addressed to **Ndiphiwe Naki**, Tel No. **044-302 6404** or e-mail: nnaki@knysna.gov.za

A compulsory clarification meeting for all Bidders will be held **on 17 September 2021, at 10h00** at the **offices of the Electrical Department in George Rex Drive**. Bid documents must be purchased prior to this meeting and must be brought along to the meeting. No bid documents will be sold at or after the clarification meeting. Bidders must sign the attendance list in the name of the bidding entity and also have the Certificate of Bidder's Attendance on Page 75 of the original bid document, signed by the Employer's representative at the meeting. Bids will be considered only from those bidding entities appearing on the attendance list and whose Certificates of Bidder's Attendance had been signed.

No person/s will be allowed to join the clarification meeting or to submit a bid if such a person/s are more than fifteen (15) minutes late.

The closing time for submission of bids is **12h00 on Wednesday, 13 October 2021** Bids must be sealed in an envelope clearly marked with the bid number and title given above, and placed in the **bid box at the Supply Chain Management Unit, Finance Building, Queen Street, Knysna**, before the latter time and latest date. Telephonic, facsimile, e-mail and late bids will not be accepted. Bids must remain valid for a period of ninety (90) days after the closing date of the bid.

Bids will be opened on the same day at the Supply Chain Management Section at 12h05. Late or unmarked bids will not be considered.

Bids will be evaluated according to the 80/20 points system. The bids are subject to the Preferential Procurement Policy Framework Act 2000, the Preferential Procurement Regulations 2017 and Council Preferential Procurement Strategy adopted in terms of Section 2 of the act.

It is a requirement of this tender that for Sections A, B, C and D of the Works, the appointed Service Provider/s to embark on a programme to develop emerging contractors in the Knysna and surrounding areas.

The Municipality reserves the right to withdraw any invitation to bid and/or re-advertise or to reject any bid or to accept a part of it. The Municipality does not bind itself to accept the lowest bid or to award a contract to the Bidder scoring the highest number of points.

It is expected of a Bidder who is not registered on the Municipality's Accredited Supplier Database to register without delay on the prescribed forms. The Municipality reserves the right not to award bids to Bidders who are not registered on the Database.

Further requirements for sealing, addressing, delivery, opening and assessment of bids are stated in the Bid Data.

Mr. D Adonis
Acting Municipal Manager
Clyde Street
KNYSNA
6570



T1.2 BID DATA

The conditions of bid are the Standard Conditions of Tender as contained in Annex F of the CIDB Standard for Uniformity in Construction Procurement as published in Board Notice 86 of 2010 of May 2010. (See www.cidb.org.za).

The amended CIDB regulations C.3.2.1 Construction Regulations of 07 October 2019 shall apply.

The Bid Data given below provides information in amplification of the Standard Conditions of Tender and shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Tender.

Each item of data given below is cross-referenced to the clause in the Standard Conditions of Tender to which it mainly applies.

Clause number	Bid Data
C.1.1	The Employer is Knysna Municipality.
C.1.2	The Bid Documents issued by the Employer comprise the following documents: THE BID Part T1: Bidding procedures. Part T2: Returnable documents. THE CONTRACT Part C1: Agreements and Contract data Part C2: Pricing data. Part C3: Scope of work. Part C4: Site information
C.1.4	The employer's agent is : The Employer has not appointed an agent for this work and all communication will be directly with the Employer.
C.1.6	The Open Procedure is used.
C.2.1.1	Only Bidders who achieve the minimum pre-qualification score as per Clause F.3.11.9 below are eligible to have their bids further evaluated.
C.2.7	The arrangements for a compulsory clarification meeting are as stated in the Bid Notice and Invitation to Bid. Bidders must have their original bid document present at the clarification meeting - no bid documents will be sold after the clarification meeting. Bidders must sign the attendance list in the name of the bidding entity and also have the Certificate of Bidder's Attendance on Page 62 of the bid document signed by the Employer's representative at the meeting. Addenda will be issued to and bids will be considered only from those bidding entities appearing on the attendance list and whose Certificates of Attendance had been signed.

C.2.12	An alternative bid offer may only be submitted if a main bid offer, strictly in accordance with all the requirements of the bid documents, is also submitted as well as a schedule that compares the requirements of the bid documents with the alternative requirements that are proposed. If a Bidder wishes to submit an alternative bid offer, the only criteria permitted for such alternative bid offer is: - The Bidder must purchase an additional document and set out the alternative therein, including a schedule comparing the requirements of the bid documents with the alternative requirements that are proposed. - That it demonstrably satisfies the Employer's standards and requirements, the details of which may be obtained from the Employer. All other pertinent technical information as well as modified or proposed Pricing Data must be submitted with the alternative bid offer to enable the Employer to evaluate the efficacy of the alternative and its principal elements, to take a view on the degree to which the alternative complies with the Employer's standards and requirements and to evaluate the acceptability of the pricing proposals. Pricing Data must reflect all assumptions in the development of the pricing proposal. Acceptance of an alternative bid offer will mean acceptance in principle of the offer. It will be an obligation of the contract for the Bidder, in the event that the alternative is accepted, to accept full responsibility and liability that the alternative offer complies in all respects with the Employer's standards and requirements.
C.2.13.3	The complete Bid Document shall be returned with the bid, including all Parts as listed in F.1.2 above (not to be separated). Parts of each bid offer communicated on paper shall be submitted as an original, plus Nil copies.
C.2.13.5 C.2.15.1	The Employer's details and address for delivery of bid offers and identification details that are to be shown on each bid offer package are: Location of bid box: Supply Chain Unit, Financial Building Physical address: Queen Street, Knysna. Identification details: Bid reference number, Title of Bid and the closing date and time of the bid.
C.2.13.9	Telephonic or e-mailed bid offers will not be accepted.
C.2.15	The closing time for submission of bid offers is as stated in the Bid Notice and Invitation to Submit a Bid.
C.2.16	The bid offer validity period is 90 days (The municipality reserves the right to extend the bid offer validity period).
C.2.22	Return all retained parts of bid documents within 28 days after expiry of the validity period.
C.2.23	The Bidder is required to submit with his bid: - A valid Tax Clearance Certificate issued by the South African Revenue Services. - Documents as listed in the List of Returnable Documents in Part T2.1.
F.3.4	Bids will be opened immediately after the closing time for bids after 12h05 in the Committee Room of the Municipal offices in Clyde Street.
C.3.5	A two-envelope system will not be followed.
C.3.11.3	The procedure for the evaluation of responsive bids is Method 2, i.e. Financial offer and Preference. The 80/20 preference points system for acquisition of services, works or goods with a Rand value not exceeding R 50 million will be utilized in terms of the Preferential Procurement Policy Framework Act, 2000: Preferential Procurement Regulations, 2017. Refer to Part T2.2.10 Municipal Bidding Document MBD 6.1.

C.3.11.8	Points will be awarded to a Bidder for attaining their B-BBEE status level of contributor in accordance with the Preferential Procurement Policy Framework Act, 2000: Preferential Procurement Regulations, 2011. Refer to Part T2.2.10 Municipal Bidding Document MBD 6.1.
C.3.11.9	The qualifying criteria and the score in respect of each criteria is as follows: A minimum of 63 points or 70% out of 90 total points is required for the bid to be evaluated further or to be regarded as responsive. The Bidder must provide <u>sufficient</u> proof under Parts T2.2.3 to T2.2.12 in this document for each of the items stipulated hereafter for each Section of the Works. Unclear or incomplete information provided will result in no points being allocated. A bid will not be considered responsive if the items given hereafter which are marked as compulsory requirements cannot be answered as "Yes".

Section A of the Works

Tree and Bush Clearance within Servitudes, etc.

Item	Description	Compulsory – reference page no & clause sub-section	Column to be completed by Bidder	Points awarded by Employer
(a)	Be able to provide <u>after appointment</u> R200 000.00 per incident liability and special risks indemnifications as per clause no 8.4 of the General Conditions of Contract (GCC): Yes = 15 points, No = 0 points	Yes 17 (b)	.....	.....
(b)	Bidder is registered with the Compensation Commissioner for workmen's compensation purposes: Yes = 15 points, No = 0 points If Yes, Provide proof	Yes 17, (c)	.....	.....
(c)	Bidder has bakkie, trailer and 3 ton truck, and licensed drivers to drive these vehicles: Licensed driver plus vehicle – 3 Ton Truck: 5 points Owned 3 points Leased/Rented 0 points For no proof Bakkie: 5 points, Owned 3 points Leased/Rented 0 points For no proof Trailer: 5 points, Owned 3 points Leased/Rented 0 points For no proof Maximum points = 15 Bidder required to include with tender: 1. Proof of vehicle registration papers. 2. Letter of good standing from Supplier if equipment is to be leased / rented. 3. A certified copy of the drivers licence for the driver must be attached.		..... ..... ..... .....	..... ..... ..... .....

(d)	Plant and equipment owned or can be leased / rented by the Bidder: Ladders and safety belts: 5 points, Owned: 3 points Leased / rented Hand saws: 5 points, Owned 3 points Leased / rented Lawn mower: 5 points, Owned 3 points Leased / rented Chain saw: 10 points, Owned 8 points Leased / rented Maximum points = 25 1. Bidder required to include with tender letter of good standing from Supplier if equipment is to be leased / rented.			
(e)	Can Bidder comply with minimum time required to respond to a work instruction of three (3) days: Bidders are to provide with tender valid reference letters from previous contracts. The reference letter/s must contain the following: • Reference to a similar type of work performed for the reference provided by the Contractor, • Whether the Contractor responds to starting the work within the time specified, • Does he perform quality work. The points allocation will then be: No = 0 points Yes for 1 letter = 7.5 points, Yes for 2 letters = 15 points,	18, (i)		
(f)	Bidder must attach a CV and certified copy of chainsaw operator's certificate. 5 points,	Yes		
	Total points awarded out of 90			

Section B of the Works

LV Service connection and Metering

Item	Description	Compulsory – reference page no & clause sub-section	Column to be completed by Bidder	Points awarded by Employer
(a)	Be able to provide <u>after appointment</u> R30 000.00 per incident liability and special risks indemnifications as per clause no 8.4 of the General Conditions of Contract (GCC): Yes = 10 points, No = 0 points	Yes 17, (b)	.....	.....
(b)	Bidder is registered with the Compensation Commissioner for workmen's compensation purposes: Yes = 10 points, No = 0 points If Yes, provide proof.	Yes 17, (c)	.....	.....
(c)	Bidder's relevant experience (track record) of previous contracts of a similar nature, scale of contribution over the last five years: 0 Contracts = 0 points 1 to 2 Contracts = 10 points 3 to 5 Contracts = 15 points More than 5 Contracts = 20 points Maximum points = 20 Bidder to attach appointment letters and completion certificates.	18, (i)	..... ..... ..... ..... .....	..... ..... ..... ..... .....
(d)	Bidder has a bakkie and a licensed driver: 10 points, Owned 5 points Leased/Rented 0 points For no proof Bidder required to include with tender: 1. Proof of vehicle registration papers. 2. Letter of good standing from Supplier if equipment is to be leased / rented. 3. A certified copy of the drivers licence for the driver must be attached.		.....	.....

(e)	Plant and equipment owned or can be leased / rented by the Bidder: Hand tools, drill, multi meter and ladder and safety belt: 10 points, Owned 5 points Leased / rented Bidder required to include with tender letter of good standing from Supplier if equipment is to be leased / rented.		..... .....	..... .....
(f)	Can Bidder comply with minimum time required to respond to a work instruction of eight (8) hours: Bidders are to include with tender a valid reference letter from a previous contract. The reference letter must contain the following: • Reference to a similar type of work performed for the reference provided by the Contractor, • Whether the Contractor responds to starting the work within the time specified, • Does he perform quality work, No letter = 0 points 1 letter = 5 points 2 letters = 10 points	18, (i)		..... ..... .....
(g)	The Bidder has an Installation Electrician in its employ: Yes = 10 points, No = 0 points Provide proof.	Yes 17, (d)	.....	.....
(h)	The Bidder is registered as an Accredited Electrical Contractor with the Department of Labour: Yes = 10 points, No = 0 points Provide proof.	Yes 17, (e)	..... .....	..... .....
	Total points awarded out of 90			

Section C of the Works

MV and LV Reticulation Construction Work

Item	Description	Compulsory – reference page no & clause sub-section	Column to be completed by Bidder	Points awarded by Employer
(a)	Be able to provide <u>after appointment</u> R200 000.00 per incident liability and special risks indemnifications <u>and insurances</u> as per clause no 8.4 of the General Conditions of Contract (GCC): Yes = 10 points, No = 0 points	Yes	.....	.....
(b)	Bidder is registered with the Compensation Commissioner for workmen's compensation purposes: Yes = 10 points, No = 0 points If Yes, provide proof.	Yes	.....	.....
(c)	Bidder's relevant experience (track record) of previous contracts of a similar nature, scale of complexity of over the last five years: 0 Contracts = 0 points 1 to 2 Contracts = 10 points 3 to 5 Contracts = 15 points More than 5 Contracts = 20 points Maximum points = 20 Bidder to attach appointment letters and completion certificates.		..... ..... ..... ..... .....	..... ..... ..... ..... .....
(d)	Bidder has a Cable Jointer in its employ: MV: 5 points Employed 2 points Outsourced LV: 5 points, Employed 2 points Outsourced Maximum points = 10 Provide a CV		.....	.....

(e)	Bidder has a bakkie, 3 Ton truck and 5 Ton crane truck and licensed drivers to drive these vehicles: Bakkie: 2 points Owned 1 point Leased/Rented 0 points For no proof 3 Ton Truck: 3 points Owned 2 point Leased/Rented 0 points For no proof 5 Ton Crane truck: 5 points Owned 3 point Leased/Rented 0 points For no proof Maximum points = 10 Bidder require to provide the following: 1. Proof of vehicle registration 2. Letter of good standing supplier if rented or leased. 3. A certified copy of the drivers licence for the driver must be attached.			
(f)	Axle stands, tools to install bare and bundle conductors for overhead lines, LV insulation test meter, multi-meter, ladders and safety belts, overhead line earthing kit and hydraulic crimping tool: 5 points Owned 3 points Leased/Rented Compressor, concrete cutting machine, water pump and generator: 5 points Owned 3 points Leased/Rented MV pressure test meter, earth resistance test meter, cable locator and cable fault locator: 10 points Owned 5 points Leased/Rented Maximum points = 20 Bidder require to provide letter of good standing from supplier of equipment is to be leased/rented.	18 (i)		

(g)	The Bidder is registered as an Accredited Electrical Contractor with the Department of Labour: Yes = 10 points, No = 0 points Provide proof.	Yes	.....	.....
	Total points awarded out of 90		.....	.....

Section D of the Works

MV and LV Reticulation Maintenance Work

Item	Description	Compulsory – reference page no & clause sub-section	Column to be completed by Bidder	Points awarded by Employer
(a)	Be able to provide <u>after appointment</u> R200 000.00 per incident liability and special risks indemnifications <u>and insurances</u> as per clause no 8.4 of the General Conditions of Contract (GCC): Yes = 10 points, No = 0 points	Yes	.....	.....
(b)	Bidder is registered with the Compensation Commissioner for workmen's compensation purposes: Yes = 10 points, No = 0 points If Yes, provide proof.	Yes	.....	.....
(c)	Bidder's relevant experience (track record) of previous contracts of a similar nature, scale of complexity of over the last five years: 0 Contracts = 0 points 1 to 2 Contracts = 10 points 3 to 5 Contracts = 15 points More than 5 Contracts = 20 points Maximum points = 20 Bidder to attach appointment letters and completion certificates.		..... ..... ..... ..... .....	..... ..... ..... ..... .....
(d)	Bidder has a Cable Jointer in its employ: MV: 10 points, Employed 5 points Outsourced LV: 5 points, Employed 2 points Outsourced Maximum points = 15 Provide a CV		.....	.....

(e)	Bidder has a bakkie, 3 Ton truck and 5 Ton crane truck and licensed drivers to drive these vehicles: Bakkie: 2 points Owned 1 point Leased/Rented 0 points For no proof 3 Ton Truck: 3 points Owned 2 point Leased/Rented 0 points For no proof 5 Ton Crane truck: 5 points Owned 3 point Leased/Rented 0 points For no proof Maximum points = 10 Bidder require to provide the following: 1. Proof of vehicle registration 2. Letter of good standing from the supplier if rented or leased. 3. A certified copy of the drivers licence for the driver must be attached.			
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(f)	LV insulation test meter, multi-meter, ladders and safety belts, overhead line earthing kit and hydraulic crimping tool: 3 points Owned 1 point Leased/Rented Compressor, concrete cutting machine, water pump and generator: 3 points Owned 1 point Leased/Rented MV pressure test meter, earth resistance test meter, cable locator and cable fault locator: 3 points Owned 1 point Leased/Rented Sand/shot blasting equipment, spray guns, lubricating equipment and sanding machine: 3 points Owned 1 point Leased/Rented MV Switchgear and protection relay testing equipment: 3 points Owned 1 point Leased/Rented Maximum points = 15 Bidder require to provide letter of good standing from supplier of the equipment if leased/rented.	18 (i)		
(g)	The Bidder is registered as an Accredited Electrical Contractor with the Department of Labour: Yes = 10 points, No = 0 points Provide proof.	Yes		
	Total points awarded out of 90			

PART T2 – RETURNABLE DOCUMENTS

Bidder to confirm in this column by inserting a tick that document has been completed and returned

T2.1 LIST OF RETURNABLE DOCUMENTS

Part No.	The Bidder must ensure that the following documents are completed and included with his bid.	
	1. Returnable Schedules required for bid evaluation purposes:	
	a) Pre-Qualification schedule under clause F.3.11.9 on page no's 9 to 17.	☐
	b) Record of Addenda to Bid Documents	☐
	c) Schedule of Amendments and Qualifications by Bidder	☐
	d) Schedule of Particulars / Information	☐
	e) CV of proposed Site Supervisor	☐
	f) Compulsory Enterprise Questionnaire	☐
	g) Certificate of Authority for Joint Ventures if applicable	☐
	h) Preferencing Schedule	☐
	i) Schedule of Bidder's Experience	☐
	j) Schedule of Subcontractors if applicable	☐
	k) Schedule of Plant and Equipment	☐
	l) Municipal Bidding Documents:	☐
	m) MBD 1	☐
	n) MBD 4	☐
	o) MBD 6.1	☐
	p) MBD 15	☐
	q) MBD 8	☐
	r) MBD 9	☐
	s) Declaration	☐
	t) Certificate of Bidder's Attendance at the Compulsory Clarification Meeting	☐
	2. Other documents required for bid evaluation purposes:	
	u) Valid Tax Clearance Certificate.	☐
	v) Proof that Bidder can obtain incident liability and special risk indemnifications as described on Sections A, B, C, E and F of the Works within fourteen (14) days after appointment.	☐
	w) Proof that Contractor is registered as an Accredited Electrical Contractor with the Department of Labour.	☐
	x) Letter of good standing from Supplier if equipment is to be Leased / rented for Sections A, B, C, D, E and F of the Works	☐
	y) Proof vehicle registration papers if owned.	☐
	z) Reference letter from previous contract/s to indicate compliance with minimum time required to respond to a work instruction for Sections A, B, C, D, E and F	☐

Bidder to confirm in this column by inserting a tick that document has been completed and returned



Part No.	The Bidder must ensure that the following documents are completed and included with his bid.	
	aa) In the case of Section D of the Works the Bidder must include a reference letter from 'n previous client where the Bidder has installed protection relays ab) Certified copies of identities of the Directors and owners of Bidding Entity. ac) Proof that the Bidder complies with the OHS Act and is registered for Worksmen compensation purposes. ad) A valid B-BBEE status level verification certificate or a certified copy thereof. ae) Proof of Installation Electrician in employ for Section C of the Works. af) Proof of registration with the Department of Labour as an Accredited Electrical Contractor for Sections B, C, E and F of the Works. ag) Proof that the signatory is duly authorised to sign the bid ah) Certified copies of Bidder's and those of its Directors' Municipal accounts for the month preceding the bid closing date. ai) If the Bidder rents premises, proof that the rental includes Municipal rates and taxes and municipal charges, and that rent is not in arrears. 3. Returnable Schedules that will be incorporated into the Contract: aj) All schedules as per Item 1 above. 4. Other documents that will be incorporated into the Contract: ak) Form of Offer and Acceptance al) Contract Data am) Pricing Instructions an) Bills of Quantities ao) Scope of Works ap) Site information	☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

T2.2 RETURNABLE SCHEDULES

T2.2.1 RECORD OF ADDENDA TO BID DOCUMENTS

We confirm that the following communications received from the Employer before the submission of this bid offer, amending the bid documents, have been taken into account in this bid offer:		
	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

Attach additional pages if more space is required.

Signed

Date

Name

Position

Bidder

T2.2.2 SCHEDULE OF AMENDMENTS AND QUALIFICATIONS BY BIDDER

The Bidder is required to give full details of any departure from the Specification and shall then sign this page officially. If there are no departures, the Bidder must state NIL on this page and sign it. The Bid shall then be held to comply in all respect with the Specification. If the Bidder does not indicate anything on this page, the Bidder will also be held to comply in all respects with the Specification.

Should there be insufficient space, the Bidder may include separate sheets arranged in the same manner as above. Mere reference to a covering letter will not be regarded as compliance with this requirement.

The Bidder's attention is drawn to clause F.3.8 of the Standard Conditions of Tender referenced in the Bid Data regarding the employer's handling of material deviations and qualifications.

Page	Clause or item	Proposal

Signed

Date

.....
Name

.....
Position

.....
Bidder

T2.2.2 SCHEDULE OF AMENDMENTS AND QUALIFICATIONS BY BIDDER

The Bidder is required to give full details of any departure from the Specification and shall then sign this page officially. If there are no departures, the Bidder must state NIL on this page and sign it. The Tender shall then be held to comply in all respect with the Specification. If the Bidder does not indicate anything on this page, the Bidder will also be held to comply in all respects with the Specification.

Should there be insufficient space, the Bidder may include separate sheets arranged in the same manner as above. Mere reference to a covering letter will not be regarded as compliance with this requirement.

The Bidder's attention is drawn to clause F.3.8 of the Standard Conditions of Bid referenced in the Tender Data regarding the employer's handling of material deviations and qualifications.

Page	Clause or item	Proposal

Signed

Date

Name

Position

Bidder

T2.2.3 SCHEDULE OF PARTICULARS / INFORMATION

- Note:
1. This schedule must be completed for all items offered, stating where appropriate, the size or capacity of equipment, type or catalogue no, country of origin and any other detail he considers necessary. Failure to comply with this requirement may render the bid invalid.
 2. Information in amplification of that given below may be submitted in the form of a covering letter, published literature, etc.
 3. Acceptance of a bid, with this Schedule complete, does not relieve the Bidder of the responsibility of complying with the Specification for the items listed.
 4. The Contractor shall not be allowed to replace the persons nominated below without prior approval of the Municipality.

1.0 General

- (i) Location and size of nearest permanent office and workshop / stores:
-
-

2.0 Section A of the Works – Tree and Bush Clearance within Servitudes, etc

- (i) Number of years having conducted this type of business: years.
- (ii) Name and experience (make specific reference to Health and Safety procedures) of Site Supervisor or separately appointed Agent for Health and Safety the Bidder intends using for this work:
-
-
-
-
-

3.0 Section B of the Works – LV Service Connections and Metering

- (i) Number of years having conducted this type of business: years.
- (ii) Name and experience (make specific reference to Health and Safety procedures) of Site Supervisor or separately appointed Agent for Health and Safety the Bidder intends using for this work:
-
-
-
-
-

4.0 Section C of the Works – MV and LV Reticulation Construction Work

- (i) Number of years having conducted this type of business: years.
- (ii) Name and experience (make specific reference to Health and Safety procedures) of Site Supervisor or separately appointed Agent for Health and Safety the Bidder intends using for this work:
-
-
-
-
- (iii) Name experienced Cable Jointer
-
-
-

7.0 Section D of the Works – MV and LV Reticulation Maintenance Work

- (i) Number of years having conducted this type of business: years.
- (ii) Name and experience (make specific reference to Health and Safety procedures) of Site Supervisor or separately appointed Agent for Health and Safety the Bidder intends using for this work:
.....
.....
.....
- (iii) Name experienced Cable Joiner
.....
.....
.....

Signed Date

Name Position

Bidder

T.2.2.4 COMPULSORY ENTERPRISE QUESTIONNAIRE

The following particulars must be furnished. In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted.

Section 1: Name of enterprise:
...

Section 2: VAT registration number, if any:
.....

Section 3: CIDB registration number, if any:
.....

Section 4: Particulars of sole proprietors and partners in partnerships

Name*	Identity number*	Personal income tax number*

* Complete only if sole proprietor or partnership and attach separate page if more than 3 partners

Section 5: Particulars of companies and close corporations

Company registration number
..

Close corporation number
..

Tax reference number
..

Section 6: Record in the service of the state

- ☐ a member of any municipal council ☐ an employee of any provincial department,
☐ a member of any provincial legislature national or provincial public entity or constitutional institution within the meaning of the

- ☐ a member of the National Assembly or the National Council of Province
- ☐ a member of the board of directors of any municipal entity
- ☐ an official of any municipality or municipal entity

Public Finance Management Act, 1999 (Act 1 of 1999)

- ☐ a member of an accounting authority of any national or provincial public entity
- ☐ an employee of Parliament or a provincial legislature

Indicate by marking the relevant boxes with a cross, if any sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months in the service of any of the following:

- ☐ a member of any municipal council
- ☐ a member of any provincial legislature
- ☐ a member of the National Assembly or the National Council of Province
- ☐ a member of the board of directors of any municipal entity
- ☐ an official of any municipality or municipal entity
- ☐ an employee of any provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999)
- ☐ a member of an accounting authority of any national or provincial public entity
- ☐ an employee of Parliament or a provincial legislature

If any of the above boxes are marked, disclose the following:

Name of sole proprietor, partner, director, manager, principal shareholder or stakeholder	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	Within last 12 months

*insert separate page if necessary

Section 7: Record of spouses, children and parents in the service of the state

Indicate by marking the relevant boxes with a cross, if any spouse, child or parent of a sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months been in the service of any of the following:

Name of spouse, child or parent	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	Within last 12 months

*insert separate page if necessary

The undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise:

- i) authorizes the Employer to obtain a tax clearance certificate from the South African Revenue Services that my / our tax matters are in order;
- ii) confirms that neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Bid Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004;
- iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
- iv) confirms that I / we are not associated, linked or involved with any other Bidding entities submitting Bid offers and have no other relationship with any of the Bidders or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest;
- v) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise, have:
 - i) abused the Employer's Supply Chain Management System; or
 - ii) failed to perform on any previous contract and has been given a written notice to this effect;
- vi) confirms that the enterprise is registered and in good standing with the compensation fund or with a licensed compensation insurer;
- vii) confirms that the enterprise has the necessary competencies and resources to carry out the work safely in terms of the Construction Regulations, 2003, issued in terms of the Occupational Health and Safety Act, 1993;
- viii) confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

Signed Date

Name Position

Enterprise name

T2.2.5 CERTIFICATE OF AUTHORITY FOR JOINT VENTURES

This Returnable Schedule is to be completed by joint ventures.

We, the undersigned, are submitting this bid offer in Joint Venture and hereby authorise Mr/Ms
. , authorised signatory of the company
. , acting in the capacity of lead partner, to sign all documents in
connection with the bid offer and any contract resulting from it on our behalf.

NAME OF FIRM	ADDRESS	DULY SIGNATORY	AUTHORISED
Lead partner			
CIDB registration no		Signature	Name
		Designation	
CIDB registration no		Signature	Name
		Designation	
CIDB registration no		Signature	Name
		Designation	
CIDB registration no		Signature	Name
		Designation	

T2.2.6 SCHEDULE OF BIDDER’S EXPERIENCE

1.0 Section A of Works – Tree and Bush Clearance within Servitudes, etc.

The following is a statement of similar work successfully executed by myself / ourselves:

Employer, contact person and telephone number.	Description of contract	Value of work inclusive of VAT (Rand)	Date completed

Signed

Date

Name

Position

Bidder

Section B of Works – LV Service Connection and Metering

The following is a statement of similar work successfully executed by myself / ourselves:

Employer, contact person and telephone number.	Description of contract	Value of work inclusive of VAT (Rand)	Date completed

Signed

Date

Name

Position

Bidder

Section C of Works – MV and LV Reticulation Construction Work

The following is a statement of similar work successfully executed by myself / ourselves:

Employer, contact person and telephone number.	Description of contract	Value of work inclusive of VAT (Rand)	Date completed

Signed

Date

Name

Position

Bidder

5.0 Section D of Works – MV and LV Reticulation Maintenance Work

The following is a statement of similar work successfully executed by myself / ourselves:

Employer, contact person and telephone number.	Description of contract	Value of work inclusive of VAT (Rand)	Date completed

Signed

Date

Name

Position

Bidder

T2.2.7 SCHEDULE OF SUB-CONTRACTORS

1.0 Section A of Works – Tree Cutting and Bush Clearance within Servitudes, etc.

We notify you that it is our intention to employ the following Sub-contractors for work in this contract.

If we are awarded a contract we agree that this notification does not change the requirement for us to submit the names of Sub-contractors in accordance with requirements in the contract for such appointments. If there are no such requirements in the contract, then your written acceptance of this list shall be binding between us.

	Name and address of Sub-contractor	Nature and extent of work	Previous experience with Sub-contractor.
1.			
2.			
3.			
4.			

Signed

Date

Name

Position

Bidder

2.0 Section B of Works – LV Service Connection and Metering

We notify you that it is our intention to employ the following Sub-contractors for work in this contract.

If we are awarded a contract we agree that this notification does not change the requirement for us to submit the names of Sub-contractors in accordance with requirements in the contract for such appointments. If there are no such requirements in the contract, then your written acceptance of this list shall be binding between us.

	Name and address of Sub-contractor	Nature and extent of work	Previous experience with Sub-contractor.
1.			
2.			
3.			
4.			

Signed

Date

Name

Position

Bidder

2.0 Section C of Works – MV and LV Reticulation Construction Work

We notify you that it is our intention to employ the following Sub-contractors for work in this contract.

If we are awarded a contract we agree that this notification does not change the requirement for us to submit the names of Sub-contractors in accordance with requirements in the contract for such appointments. If there are no such requirements in the contract, then your written acceptance of this list shall be binding between us.

	Name and address of Sub-contractor	Nature and extent of work	Previous experience with Sub-contractor.
1.			
2.			
3.			
4.			

Signed

Date

Name

Position

Bidder

4.0 Section D of Works – MV and LV Reticulation Maintenance Work

We notify you that it is our intention to employ the following Sub-contractors for work in this contract.

If we are awarded a contract we agree that this notification does not change the requirement for us to submit the names of Sub-contractors in accordance with requirements in the contract for such appointments. If there are no such requirements in the contract, then your written acceptance of this list shall be binding between us.

	Name and address of Sub-contractor	Nature and extent of work	Previous experience with Sub-contractor.
1.			
2.			
3.			
4.			

Signed

Date

Name

Position

Bidder

T2.2.8 SCHEDULE OF PLANT AND EQUIPMENT

1.0 Section A of the Works – Tree and Bush Clearance within Line Servitudes, etc.

The following are lists of major items of relevant equipment that I / we presently own or lease and will have available for this contract or will acquire or hire for this contract if my / our Bid is accepted.

(a) Details of major equipment that is owned by and immediately available for this contract.

Quantity	Description, size, capacity, etc.

Attach additional pages if more space is required.

(b) Details of major equipment that will be hired, or acquired for this contract if my / our Bid is acceptable.

Quantity	Description, size, capacity, etc.

Attach additional pages if more space is required.

Signed

Date

Name

Position

Bidder

2.0 Section B of the Works – LV Service Connections and Metering

The following are lists of major items of relevant equipment that I / we presently own or lease and will have available for this contract or will acquire or hire for this contract if my / our Bid is accepted.

(a) Details of major equipment that is owned by and immediately available for this contract.

Quantity	Description, size, capacity, etc.

Attach additional pages if more space is required.

(b) Details of major equipment that will be hired, or acquired for this contract if my / our Bid is acceptable.

Quantity	Description, size, capacity, etc.

Attach additional pages if more space is required.

Signed

Date

Name

Position

Bidder

3.0 Section C of the Works – MV and LV Reticulation Construction Work

The following are lists of major items of relevant equipment that I / we presently own or lease and will have available for this contract or will acquire or hire for this contract if my / our Bid is accepted.

(a) Details of major equipment that is owned by and immediately available for this contract.

Quantity	Description, size, capacity, etc.

Attach additional pages if more space is required.

(b) Details of major equipment that will be hired, or acquired for this contract if my / our Bid is acceptable.

Quantity	Description, size, capacity, etc.

Attach additional pages if more space is required.

Signed

Date

Name

Position

Bidder

4.0 Section D of the Works – MV and LV Reticulation Maintenance Work

The following are lists of major items of relevant equipment that I / we presently own or lease and will have available for this contract or will acquire or hire for this contract if my / our Bid is accepted.

(a) Details of major equipment that is owned by and immediately available for this contract.

Quantity	Description, size, capacity, etc.

Attach additional pages if more space is required.

(b) Details of major equipment that will be hired, or acquired for this contract if my / our Bid is acceptable.

Quantity	Description, size, capacity, etc.

Attach additional pages if more space is required.

Signed

Date

Name

Position

Bidder

T2.2.9 MUNICIPAL BIDDING DOCUMENTS (MBD)

MBD1: BID FOR THE REQUIREMENTS OF KNYSNA MUNICIPALITY

BID NO: T18 2022/21	
CLOSING DATE: 13 October 2021	CLOSING TIME: 12:00

DESCRIPTION: BID NO. T 18 2021/22: TO PERFORM ELECTRICAL AND ASSOCIATED WORKS FOR A PERIOD OF THREE (3) YEARS

Bid documents, placed in a sealed envelope and clearly marked with the bid number on the outside, may be deposited in:

The Tender Box
Knysna Municipality
Clyde Street
KNYSNA
6570

Please note:

- **Bidders must ensure that bids are delivered timeously to the correct address. If the bid is late, it will not be accepted for consideration.**
- All bids must be submitted on the official forms. Forms may not be retyped.
- This bid is subject to the General Conditions of Contract (GCC) and, if applicable, any other special conditions of contract included in this BID document.

THE FOLLOWING PARTICULARS MUST BE FURNISHED. FAILURE TO DO SO MAY RESULT IN YOUR BID BEING NOT BEING ACCEPTED.

NAME OF BIDDER

POSTAL ADDRESS.....

STREET ADDRESS.....

TELEPHONE NUMBER: CODE.....NUMBER.....

CELLPHONE NUMBER.....

FACSIMILE NUMBER: CODE NUMBER.....

E-MAIL ADDRESS.....

VAT REGISTRATION NUMBER.....

HAS A VALID TAX CLEARANCE CERTIFICATE BEEN ATTACHED? YES/NO

HAS A VALID ORIGINAL OR A VALID CERTIFIED COPY OF A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE BEEN SUBMITTED? (MBD 6.1) YES/NO

IF YES, WHO WAS THE CERTIFICATE ISSUED BY?

AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA) ☐

A VERIFICATION AGENCY ACCREDITED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM (SANAS) ☐

A REGISTERED AUDITOR ☐
(Tick applicable box)

(A VALID ORIGINAL OR VALID CERTIFIED COPY B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE)

ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS/SERVICES/WORKS OFFERED? **YES/NO** **(IF YES ENCLOSE PROOF)**

SIGNATURE OF BIDDER

DATE.....

CAPACITY UNDER WHICH THIS BID IS SIGNED

TOTAL BID PRICE: **Refer to Part C2.2.**

TOTAL NUMBER OF ITEMS OFFERED: **Refer to Part C2.2**

DELIVERY BASIS:

Is the delivery period firm?	YES / NO
Period required for delivery after receipt of order (days)	
Is the price (inclusive of VAT) firm?	YES / NO
Discount offered:	Conditional/Unconditional
If conditional, state condition:	
Is offer strictly to specification/terms of reference	YES / NO
If not to specification/terms of reference. Please state deviation(s) if any:	
.....	

BANK DETAILS (IF APPLICABLE):

BANK NAME:	
BRANCH:	BRANCH CODE:

ACCOUNT HOLDER:	
ACCOUNT NUMBER:	ACCOUNT TYPE:

OFFICAL STAMP FROM BANK

.....
AUTHORISED BANK OFFICIAL

AUTHORISED SIGNATURE:
NAME:
CAPACITY:
DATE:

MBD4: DECLARATION OF INTEREST

1. No bid will be accepted from persons in the service of the state*.
2. Any person, having a kinship with persons in the service of the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in service of the state, it is required that the bidder or their authorised representative declare their position in relation to the evaluating/adjudicating authority and/or take an oath declaring his/her interest.

3. **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

3.1 Full Name of bidder:

3.2 Identity Number:.....

3.3 Registration number of company, enterprise, close corporation, partnership agreement or trust:

.....

3.4 Tax Reference Number:

3.5 VAT Registration Number:

3.6 Are you presently in the service of the state***YES / NO**

3.6.1 If so, furnish particulars.

.....

.....

3.7 Have you been in the service of the state for the past twelve months?

YES / NO

3.7.1 If so, furnish particulars.

.....

.....

* "in the service of the state" means to be –

(a) a member of –

- (i) any municipal council;
- (ii) any provincial legislature; or
- (iii) the national Assembly or the national Council of provinces;

(b) a member of the board of directors of any municipal entity;

(c) an official of any municipality or municipal entity;

- (d) an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);
- (e) a member of the accounting authority of any national or provincial public entity; or
- (f) an employee of Parliament or a provincial legislature.

3.8
Do you, have any relationship (family, friend, other) with persons in the service of the state and who may be involved with the evaluation and or adjudication of this bid?

YES / NO

3.8.1
If so, furnish the following particulars:

.....

.....

3.9
Are you, aware of any relationship (family, friend, other) between a bidder and any persons in the service of the state who may be involved with the evaluation and or adjudication of this bid?

YES / NO

3.9.1
If so, furnish particulars

.....

.....

3.10
Are any of the company's directors, managers, principal shareholders or stakeholders in service of the state?

YES / NO

3.10.1
If so, furnish particulars.

.....

.....

3.11
Are any spouse, child or parent of the company's directors, managers, principal shareholders or stakeholders in service of the state?

YES / NO

3.11.1
If so, furnish particulars.

.....

.....

DECLARATION

I, THE UNDERSIGNED (NAME)

.....

CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS CORRECT.

I ACCEPT THAT THE STATE MAY ACT AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

MBD 6.1: PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution

NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to all bids:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 The value of the bid for each Section of Work is estimated to not exceed R50 000 000 (all applicable taxes included) and therefore the 80/20 system shall be applicable.

1.3 Preference points for this bid shall be awarded for:

- (a) Price; and
- (b) B-BBEE Status Level of Contribution.

1.3.1 The maximum points for this bid are allocated as follows:

	POINTS
1.3.1.1 PRICE	80
1.3.1.2 B-BBEE STATUS LEVEL OF CONTRIBUTION	MAXIMUM OF 20
Total points for Price and B-BBEE must not exceed	100

1.4 Failure on the part of a bidder to fill in and/or to sign this form and submit a valid original or a valid certified copy of a B-BBEE Verification Certificate from a Verification Agency accredited by the South African Accreditation System (SANAS) or a Registered Auditor approved by the Independent Regulatory Board of Auditors (IRBA) or an Accounting Officer as contemplated in the Close Corporation Act (CCA) together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

1.5. The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.

2. DEFINITIONS

2.1 **“all applicable taxes”** includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;

2.2 **“B-BBEE”** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;

2.3 **“B-BBEE status level of contributor”** means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;

- 2.4 **“bid”** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of services, works or goods, through price quotations, advertised competitive bidding processes or proposals;
- 2.5 **“Broad-Based Black Economic Empowerment Act”** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- 2.6 **“comparative price”** means the price after the factors of a non-firm price and all unconditional discounts that can be utilized have been taken into consideration;
- 2.7 **“consortium or joint venture”** means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract;
- 2.8 **“contract”** means the agreement that results from the acceptance of a bid by an organ of state;
- 2.9 **“EME”** means any enterprise with an annual total revenue of R5 million or less .
- 2.10 **“Firm price”** means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs or excise duty and any other duty, levy, or tax, which, in terms of the law or regulation, is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;
- 2.11 **“functionality”** means the measurement according to predetermined norms, as set out in the bid documents, of a service or commodity that is designed to be practical and useful, working or operating, taking into account, among other factors, the quality, reliability, viability and durability of a service and the technical capacity and ability of a bidder;
- 2.12 **“non-firm prices”** means all prices other than “firm” prices;
- 2.13 **“person”** includes a juristic person;
- 2.14 **“rand value”** means the total estimated value of a contract in South African currency, calculated at the time of bid invitations, and includes all applicable taxes and excise duties;
- 2.15 **“sub-contract”** means the primary contractor’s assigning, leasing, making out work to, or employing, another person to support such primary contractor in the execution of part of a project in terms of the contract;
- 2.16 **“total revenue”** bears the same meaning assigned to this expression in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act and promulgated in the *Government Gazette* on 9 February 2007;
- 2.17 **“trust”** means the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person; and
- 2.18 **“trustee”** means any person, including the founder of a trust, to whom property is bequeathed in order for such property to be administered for the benefit of another person.

3. **ADJUDICATION USING A POINT SYSTEM**

- 3.1 The bidder obtaining the highest number of total points will be awarded the contract.
- 3.2 Preference points shall be calculated after prices have been brought to a comparative basis taking into account all factors of non-firm prices and all unconditional discounts;.
- 3.3 Points scored must be rounded off to the nearest 2 decimal places.
- 3.4 In the event that two or more bids have scored equal total points, the successful bid must be the one scoring the highest number of preference points for B-BBEE.

3.5 However, when functionality is part of the evaluation process and two or more bids have scored equal points including equal preference points for B-BBEE, the successful bid must be the one scoring the highest score for functionality.

3.6 Should two or more bids be equal in all respects, the award shall be decided by the drawing of lots.

4. POINTS AWARDED FOR PRICE

4.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

$$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right) \quad \text{or} \quad P_s = 90 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where

P_s = Points scored for comparative price of bid under consideration

P_t = Comparative price of bid under consideration

$P_{\min}$ = Comparative price of lowest acceptable bid

5. Points awarded for B-BBEE Status Level of Contribution

5.1 In terms of Regulation 5 (2) and 6 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (80/20 system)	Number of points (90/10 system)
1	20	10
2	18	9
3	14	6
4	12	5
5	8	4
6	6	3
7	4	2
8	2	1
Non-compliant contributor	0	0

- 5.2 Bidders who qualify as EMEs in terms of the B-BBEE Act must submit a certificate issued by an Accounting Officer as contemplated in the CCA or a Verification Agency accredited by SANAS or a Registered Auditor. Registered auditors do not need to meet the prerequisite for IRBA's approval for the purpose of conducting verification and issuing EMEs with B-BBEE Status Level Certificates.
- 5.3 Bidders other than EMEs must submit their original and valid B-BBEE status level verification certificate or a certified copy thereof, substantiating their B-BBEE rating issued by a Registered Auditor approved by IRBA or a Verification Agency accredited by SANAS.
- (i) 5.4 A trust, consortium or joint venture, will qualify for points for their B-BBEE status level as a legal entity, provided that the entity submits their B-BBEE status level certificate.
- (ii)
- (iii) 5.5 A trust, consortium or joint venture will qualify for points for their B-BBEE status level as an unincorporated entity, provided that the entity submits their consolidated B-BBEE scorecard as if they were a group structure and that such a consolidated B-BBEE scorecard is prepared for every separate bid.
- (iv)
- (v) 5.6 Tertiary institutions and public entities will be required to submit their B-BBEE status level certificates in terms the specialized scorecard contained in the B-BBEE Codes of Good Practice.
- (vi)
- (vii) 5.7 A person will not be awarded points for B-BBEE status level if it is indicated in the bid documents that such a bidder intends sub-contracting more than 25% of the value of the contract to any other enterprise that does not qualify for at least the points that such a bidder qualifies for, unless the intended sub-contractor is an EME that has the capability and ability to execute the sub-contract.
- (viii) 5.8 A person awarded a contract may not sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is sub-contracted to an EME that has the capability and ability to execute the sub-contract.

(ix)

6. BID DECLARATION

6.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

7. B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPHS 1.3.1.2 AND 5.1

7.1 B-BBEE Status Level of Contribution: = (maximum of 20)

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 5.1 and must be substantiated by means of a B-BBEE certificate issued by a Verification Agency accredited by SANAS or a Registered Auditor approved by IRBA or an Accounting Officer as contemplated in the CCA).

8 SUB-CONTRACTING

8.1 Will any portion of the contract be sub-contracted? YES / NO (delete which is not applicable)

8.1.1 If yes, indicate:

- (i) what percentage of the contract will be subcontracted?%
- (ii) the name of the sub-contractor?
- (iii) the B-BBEE status level of the sub-contractor?
- (iv) whether the sub-contractor is an EME? YES / NO (delete which is not applicable)

9 DECLARATION WITH REGARD TO COMPANY/FIRM

9.1 Name of firm :

9.2 VAT registration number :

9.3 Company registration number :

9.4 TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One person business/sole propriety
- ☐ Close corporation
- ☐ Company
- ☐ (Pty) Limited

[TICK APPLICABLE BOX]

9.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

.....

.....

9.6 COMPANY CLASSIFICATION

- ☐ Manufacturer
- ☐ Supplier
- ☐ Professional service provider
- ☐ Other service providers, e.g. transporter, etc.

[TICK APPLICABLE BOX]

9.7 MUNICIPAL INFORMATION

Municipality where business is situated:

Registered Account Number

Stand Number

9.8 TOTAL NUMBER OF YEARS THE COMPANY/FIRM HAS BEEN IN BUSINESS?

9.9 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contribution indicated in paragraph 7 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- (i) The information furnished is true and correct;
- (ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form.
- (iii) In the event of a contract being awarded as a result of points claimed as shown in paragraph 7, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- (iv) If the B-BBEE status level of contribution has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
 - (a) disqualify the person from the bidding process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;

- (d) restrict the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, from obtaining business from any organ of state for a period not exceeding 10 years, after the audi alteram partem (hear the other side) rule has been applied; and
- (e) forward the matter for criminal prosecution

WITNESSES:

1.

.....
SIGNATURE(S) OF BIDDER(S)

2.

(x)

DATE:.....

ADDRESS:.....

.....

.....

.....

MBD 15 – CERTIFICATE FOR PAYMENT OF MUNICIPAL SERVICES

NAME OF THE BIDDER: _____

FURTHER DETAILS OF THE BIDDER'S; Director / Shareholder / Partners, etc:

Director / Shareholder / partner	Physical address of the Business	Municipal Account number(s)	Physical residential address of the Director / shareholder / partner	Municipal Account number(s)

NB: Please attach a copy of your latest municipal account.

I, _____,

(full name in block letters) the undersigned, certify that the information furnished on this declaration form is correct and that I / we have no undisputed commitments for municipal services towards a municipality in respect of which payment is overdue for more than 90 days.

If the value of the transaction is expected to exceed R10 million (VAT included) I certify that the bidder has no undisputed commitments for municipal services towards **a Municipality** in respect of which payment is overdue for more than 30 days;

THUS DONE AND SIGNED for and on behalf of the Bidder, at _____, on the _____ day of _____ 20____.

Number of sheets appended by the Bidder to this schedule (If nil, enter NIL)	
--	--

SIGNATURE:		NAME (PRINT):	
CAPACITY:		NAME OF FIRM:	

For office use (comments):

MBD8: DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

- 1 This Municipal Bidding Document must form part of all bids invited.
- 2 It serves as a declaration to be used by municipalities and municipal entities in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- 3 The bid of any bidder may be rejected if that bidder, or any of its directors have:
 - a. abused the municipality's / municipal entity's supply chain management system or committed any improper conduct in relation to such system;
 - b. been convicted for fraud or corruption during the past five years;
 - c. willfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years; or
 - d. been listed in the Register for Bid Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004).
- 4 In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

Item	Question	Yes	No
4.1	Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector? (xi) (Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the <i>audialterampartem</i> rule was applied). (xii) (xiii) The Database of Restricted Suppliers now resides on the National Treasury's website(www.treasury.gov.za) and can be accessed by clicking on its link at the bottom of the home page.	Yes ☐	No ☐
4.1.1	If so, furnish particulars:		
4.2	Is the bidder or any of its directors listed on the Register for Bid Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? (xiv) The Register for Bid Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home page. (xv)	Yes ☐	No ☐
4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?	Yes ☐	No ☐

Item	Question	Yes	No
4.3.1	If so, furnish particulars:		
4.4	(xvi) Does the bidder or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?	Yes ☐	No ☐
4.4.1	If so, furnish particulars:		
4.5	Was any contract between the bidder and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes ☐	No ☐
4.7.1	If so, furnish particulars:		

CERTIFICATION

I, THE UNDERSIGNED (FULL NAME)CERTIFY THAT THE
INFORMATION FURNISHED ON THISDECLARATION FORM TRUE AND CORRECT.

I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT, ACTION MAY BE TAKEN AGAINST ME
SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

MBD 9: CERTIFICATE OF INDEPENDENT BID DETERMINATION

1. This Municipal Bidding Document (MBD) must form part of all bids¹ invited.
2. Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).² Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.
3. Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:
 - a. take all reasonable steps to prevent such abuse;
 - b. reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
 - c. cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.
4. This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
5. In order to give effect to the above, the attached Certificate of Bid Determination (MBD9) must be completed and submitted with the bid:

¹ Includes price quotations, advertised competitive bids, limited bids and proposals.

² Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

(Bid Number and Description)

in response to the invitation for the bid made by:

(Name of Municipality / Municipal Entity)

do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of: _____ that:

(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign, the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
 - (a) has been requested to submit a bid in response to this bid invitation;
 - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
 - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder
6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium³ will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - (a) prices;
 - (b) geographical area where product or service will be rendered (market allocation)
 - (c) methods, factors or formulas used to calculate prices;
 - (d) the intention or decision to submit or not to submit, a bid;
 - (e) the submission of a bid which does not meet the specifications and conditions of the bid; or

(f) bidding with the intention not to win the bid.

8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
10. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No. 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No. 12 of 2004 or any other applicable legislation.

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

³ Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

DECLARATION

1. I hereby declare that I have read, understood, agree and comply with all of the sections below, if included, that it shall be deemed to form and be construed as part of this agreement:

- (xvii) Bidding documents, viz
- Invitation to bid;
 - Tax clearance certificate;
 - Pricing schedule(s);
 - Technical Specification(s);
 - Preference claims for Broad Based Black Economic Empowerment Status Level of Contribution in terms of the Preferential Procurement Regulations, 2011;
 - Declaration of interest;
 - Declaration of bidder's past SCM practices;
 - Certificate of Independent Bid Determination
 - Special Conditions of Contract;
- (xviii) General Conditions of Contract; and
- (xix) Other (specify)

2. I confirm that I am duly authorised to sign this document.

NAME (PRINT)

CAPACITY

SIGNATURE

NAME OF FIRM

DATE

WITNESSES

1

2.

DATE:

T2.2.10 CERTIFICATE OF BIDDER'S ATTENDANCE AT THE COMPULSORY CLARIFICATION MEETING

Note:

1. Bidders must complete this certificate and have same signed by the Employer's Representative at the compulsory Clarification Meeting.
2. Bidders must also sign the Attendance List in the name of the tendering entity at the compulsory tender Clarification Meeting.
3. Bidders must submit this signed certificate (original) as well as the addenda / minutes received after the compulsory Clarification Meeting with their Bid documents. Non-submission of this information will lead to rejection of their Bid.
4. Addenda will be issued to, and bidders will be considered only from those bidding entities appearing on the Attendance List and who's Certificates of Attendance have been signed.

This is to certify that I,

duly authorised representative of (Name of Bidder)

.....

of (address)

.....

.....

Telephone number:

Fax number:

attended the compulsory tender Clarification Meeting on (date)in the

company of (Knysna Municipality's / Employer's Representative)

Mr / Ms

Signature of Bidder's representative:

Knysna Municipality's / Employer's Representative:

T2.2.12 UNDERTAKING TO PROVIDE PERFORMANCE BOND

This is not a requirement for any of the Sections of the Works.

THE CONTRACT

PART C1: AGREEMENTS AND CONTRACT DATA

C1.1 Form of Offer and Acceptance

(Agreement)

Offer

The Employer, identified in the Acceptance signature block, has solicited offers to enter into a contract in respect of the following works:

To Perform Electrical and Associated Works for a Period of Three (3) Years

The Bidder, identified in the Offer signature block, has examined the documents listed in the Bid Data and addenda thereto as listed in the Returnable Schedules, and by submitting this Offer has accepted the Conditions of Tender.

By the representative of the Bidder, deemed to be duly authorised, signing this part of this Form of Offer and Acceptance, the Bidder offers to perform all of the obligations and liabilities of the **Contractor** under the Contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the Conditions of Contract identified in the Contract Data.

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADDED TAX IS:

Section A of the Works: Tree and Bush Clearance within Servitudes, etc.

.....Rand (in words)

R.....(in figures).

Section B of the Works: LV Service Connections and Metering

.....Rand (in words)

R.....(in figures).

Section C of the Works: MV and LV Reticulation Construction Work

.....Rand (in words)

R.....(in figures).

Section D of the Works: MV and LV Reticulation Maintenance Work

.....Rand (in words)

R.....(in figures).

One (1) or more may be accepted by the Employer by signing the Acceptance part of this Form of Offer and Acceptance and returning one copy of this document to the Bidder before the end of the period of validity stated in the Bid Data whereupon the Bidder becomes the party named as the **Contractor** in the Conditions of Contract identified in the Contract Data.

For the Bidder:
Signature
.....
Name
.....
Capacity

Name and address of organisation
.....
.....

Signature and name of witness
.....
Signature
.....
Name

Date

Acceptance

By signing this part of this Form of Offer and Acceptance, the Employer identified below accepts one (1) or more of the Bidder's Offers. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the Conditions of Contract identified in the Contract Data. Acceptance of the Bidder's Offer shall form an Agreement between the Employer and the Bidder upon the terms and conditions contained in this Agreement and in the Contract that is the subject of this Agreement.

The terms of the contract, are contained in:

- Part C1 Agreements and Contract Data, (which includes this Agreement)
- Part C2 Pricing Data
- Part C3 Scope of Work
- Part C4 Site Information

and drawings and documents or parts thereof, which may be incorporated by reference into Parts 1 to 4 above.

Deviations from and amendments to the documents listed in the Bid Data and any addenda thereto listed in the Returnable Schedules as well as any changes to the terms of the Offer agreed by the Bidder and the Employer during this process of offer and acceptance, are contained in the Schedule of Deviations attached to and forming part of this Agreement. No amendments to or deviations from said documents are valid unless contained in this Schedule, which must be duly signed by the authorised representative(s) of both parties.

The Bidder shall within two weeks of receiving a completed copy of this Agreement, including the Schedule of Deviations (if any), contact the Employer to arrange the delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the Conditions of Contract identified in the Contract Data at, or just after, the date this Agreement comes into effect. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this Agreement.

Notwithstanding anything contained herein, this Agreement comes into effect on the date when the Bidder receives one fully completed original copy of this document, including the Schedule of Deviations (if any). Unless the Bidder (now Contractor) within five days of the date of such receipt notifies the Employer in writing of any reason why he cannot accept the contents of this Agreement, this Agreement shall constitute a binding contract between the parties.

For the Employer:
Signature

.....
Name

.....
Capacity

Name and address of organisation
.....

.....
Signature and name of witness

.....
Signature

.....
Name

Date

Schedule of Deviations

Notes:

- 1. The extent of deviations from the Bid documents issued by the Employer prior to the Bid closing date is limited to those permitted in terms of the Conditions of Bid,
- 2. A Bidder’s covering letter shall not be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid, become the subject of Agreements reached during the process of offer and acceptance, the outcome of such Agreement shall be recorded here,
- 3. Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the Bid documents and which it is agreed by the Parties becomes an obligation of the contract shall also be recorded here,
- 4. Any change or addition to the Bid documents arising from the above Agreements and recorded here, shall also be incorporated into the final draft of the Contract,

1

Subject

Details

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2

Subject

Details

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3

Subject

Details

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4

Subject

Details

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5

Subject

Details

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By the duly authorised representatives signing this Schedule of Deviations, the Employer and the Bidder agree to and accept the foregoing Schedule of Deviations as the only deviations from and amendments to the documents listed in the Bid Data and addenda thereto as listed in the Bid Schedules, as well as any confirmation, clarification or change to the terms of the offer agreed by the Bidder and the Employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the Bid documents and the receipt by the Bidder of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this Agreement.

For the Bidder:

.....

Signature

.....

Name

.....

Capacity

Name and address of organisation:

.....

.....

.....

.....

Witness Signature

.....

Witness Name

.....

Date

For the Employer:

.....

.....

.....

Name and address of organisation:

.....

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Confirmation of Receipt

The Bidder, (now Contractor), identified in the Offer part of this Agreement hereby confirms receipt from the Employer, identified in the Acceptance part of this Agreement, of one fully completed original copy of this Agreement, including the Schedule of Deviations (if any) today:

the (day)
of (month)
20..... (year)
at (place)

For the Contractor:
Signature
.....
Name
.....
Capacity

Signature and name of witness
.....
Signature
.....
Name

C1.2 Contract Data

Contract data for:

TO PERFORM ELECTRICAL AND ASSOCIATED WORKS FOR A PERIOD OF THREE (3) YEARS.

Part 1: Data provided by the Employer

Conditions of Contract

The *General Conditions of Contract for Construction Works, Third Edition, 2010* published by the South African Institution of Civil Engineering, Private Bag X200, Halfway House, 1685, is applicable to this Contract and is obtainable from www.saice.org.za.

Contract Specific Data

The following contract specific data, referring to the General Conditions of Contract for Construction Works, Second Edition, 2010, are applicable to this Contract:

Clause	Data
1.1.1.14	The time for achieving Practical Completion is as stipulated under Part C3.1, Clause 8.0.
1.1.1.15	The name of the Employer is Knysna Municipality.
1.1.1.26	The Pricing Strategy is Re-measurement Contract.
1.2.1.2	The address of the Employer is: Address (physical) – Electrical Department: George Rex Drive, Knysna Address (postal): P.O. Box 21, KNYSNA, 6570 Telephone: 044-3026300/6404 E-mail: nnaki@knysna.gov.za
1.1.1.16	The Engineer for this work will be Mr Jemaine Cupido of Knysna Municipality.
1.2.1.2	The address of the Engineer is: Address (physical): George Rex Drive, Knysna Address (postal): P.O. Box 21, Knysna, 6570 Telephone: 044-3026300/6484 E-mail: lwilliams@knysna.gov.za
5.3.2	The time to submit the documentation required before commencement with the Works execution is fourteen (14) days.
6.10.1.5	The percentage advance on materials not yet built into the Permanent Works is 80%
8.6.1.1.2	The value of plant and materials supplied by the Employer to be included in the insurance sum is R Nil.
8.6.1.1.3	The amount to cover professional fees for repairing damage and loss to be included in the insurance sum is R Nil.
10.5.3	The number of Adjudication Board Members to be appointed is One.

44.	Additional Contract Specific Data: The Bidder indemnifies the Employer against all claims for any costs incurred, or for loss or damage suffered should commencement of the tender project be delayed or the continuation thereof be stopped after acceptance of the tender by the Employer, either by: (i) court interdict; or (ii) in response to a request by the person appointed in terms of s50(1) of the Municipal Supply Chain Management Regulations promulgated in terms of s168 of the Local Government: Municipal Finance Management Act, 2003; or as a result of delays in access of funding.
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C1.2 Contract Data

Part 2: Data provided by the Contractor

The Contractor is advised to read the *General Conditions of Contract for Construction Works, Second Edition, 2010* published by the South African Institution of Civil Engineering, Private Bag X200, Halfway House, 1685, in order to understand the implications of this Data which is required to be completed. Copies of these conditions of contract may be obtained from www.saice.org.za.

Each item of data given below is cross-referenced to the clause in the Conditions of Contract to which it mainly applies.

Clause	Data												
1.1.1.9	The name of the Contractor is:												
1.2.1.2	The address of the Contractor is: Address (physical): Address (postal): Telephone: Facsimile: e-mail:												
1.1.1.14	The time for achieving Practical Completion is as stipulated under Part C3.1, Clause 7.												
6.5.1.2.3	The percentage allowance to cover overhead charges is%.												
6.8.3	The variation in cost of special materials is <table border="1"> <thead> <tr> <th>Description of special material</th><th>Quantity</th><th>Rate of price</th></tr> </thead> <tbody> <tr> <td>.....</td><td>.....</td><td>.....</td></tr> <tr> <td>.....</td><td>.....</td><td>.....</td></tr> <tr> <td>.....</td><td>.....</td><td>.....</td></tr> </tbody> </table> <i>(The type of special materials may be listed, leaving the unit and rate or price to the Tenderers to fill in or the Tenderers are allowed to state the type of special materials, the unit and the rate or price)</i>	Description of special material	Quantity	Rate of price									
Description of special material	Quantity	Rate of price											
.....													
.....													
.....													

C1.3 Performance Guarantee

This is not a requirement for any Sections of the Works.

PART C2: PRICING DATA

C2.1 Pricing Instructions

- 1.0 There are six (6) Sections of Works, i.e.

Section A of Works – Tree and bush clearance within servitudes, etc.

Section B of Works – LV Service Connections and Metering

Section C of Works – MV and LV Reticulation Construction Work

Section D of Works – MV and LV Reticulation Maintenance Work

Each Section of Works has its own Bills of Quantities and will be separately adjudicated in terms of the conditions stipulated in this document.

For all sections, it is a requirement for the bidder to complete and quote on all the items (Materials and labour). Where the rate is indicated as N/A, the bidder shall not quote for those items.

The quantities in the Bills of Quantities are **provisional** and for bid adjudication (comparative purposes) only. Bidders must **not** take this as an indication or guarantee of the work load for the contract period, which is approximately three (3) years.

The estimated budget for all the sections shall not be more than R 5 000 000.00 for the first year of the contract period.

- 2.0 The Bills of Quantities for each Section of the Works form part of and must be read in conjunction with the Specification. The Price Summary for each Section of Works is to reflect the total price carried forward from the Bills of Quantities which need to be submitted with the bid documents.
- 3.0 The bid price for each Section of the Works must be based on the Bills of Quantities for the respective section. The priced Bills of Quantities for each Section of the Works shall be submitted with the bid documents.
- 4.0 The completed Bills of Quantities for each Section of the Works shall detail the unit rate and total amount for labour respectively for each Item. Bidders are advised to check their Item extensions and total additions since no claim for mathematical errors will be considered.

“Material Rate” shall include the supply and delivery of all items of material and equipment (plant) to the site including all incidentals necessary for the completion of each item, plus the profit thereon. Rates shall be exclusive of VAT.

“Labour Rate” shall include the cost of all labour, both skilled and unskilled, including supervision and profit required to complete the installation of all material covered by each Item. Rates shall be exclusive of VAT.

Both the Material and Labour rates shall include an amount for transportation of labour, equipment and material where travelling takes place within a radius of forty (40) km from the centre of Knysna town hall.

A provisional quantity has been included in each Section of the Works for transportation outside this radius.

- 5.0 The Bills of Quantities is available in excel format on request. Note must be taken that neither the Engineer nor the Employer takes responsibility for any arithmetical or other errors that may occur due to the use of the spreadsheet by the Bidder. No alteration, erasure or addition is to be made in the text of the Bills of Quantities. Should any erasure or addition be made it will not be recognised and the original wording of the Bills of Quantities will be adhered to.

The last page of each Section of the Bills of Quantities, i.e. the Price Summary, must be signed by the Bidder and included in the bid document.

- 6.0 The Engineer will check the completed Bills of Quantities for mathematical errors, omissions and discrepancies in accordance with the Standard Conditions of Tender.

- 7.0 Only major Items have been scheduled, but the Bidder shall nevertheless include for all things he considers necessary whether specified in detail or not to complete the work to specification and in a satisfactory and workmanlike manner, in order to provide a complete and working system. No extra price will be considered for the provision of materials which should have been allowed in order to provide the completed works unless detailed by the Contractor in the space provided elsewhere in the Specification.
- 8.0 Where alternative prices for equipment of different manufacture are offered, the lowest alternative price for equipment to specification must be included, against the relevant Item in the Bills of Quantities. The remaining alternative prices must be furnished separately.
- Where such equipment is found not to comply with the Specification, the Contractor will be required to provide equipment which does comply, without adjustment to the price in the Bills of Quantities.
- 9.0 All items in the Bills of Quantities are deemed to include supply, delivery, installation and connection where appropriate, unless specifically stated otherwise. The unit rate must include for all things necessary, whether specified in detail or not, including all components, small installation materials, allowance for off-cuts, wastage etc, erection and fixings to complete the item to Specification in a satisfactory and workmanlike manner, in order to provide a complete and working system.
- 10.0 Where no rates are filled-in by the Bider, or the rate is indicated as Nil, it will be assumed that there is no charge for the particular item and it will be assumed that the cost has been included in the other rates provided.
- 11.0 The Bills of Quantities shall not be used for ordering purposes. The Contractor shall check and measure the lengths of cables / conductors on site before ordering any of these materials.
- 12.0 The quantities and rates included for daywork shall form part of the bid price, but Bidders shall note that this items must be regarded as provisional and will only be payable to the Contractor if and when a written instruction to this effect has been issued.
- 12.0 Before a works order is issued, a site meeting between the Contractor and a representative of the Electro-Technical Department will be arranged to determine the cost and extent of the proposed work.

PART C3: SCOPE OF WORK

C3.1: General Specification

1.0 LOCATION AND DESCRIPTION

The work included under this contract will be undertaken in several areas within the boundaries of the Knysna Municipality, which includes Knysna, Sedgefield, Buffalo Bay and Karatara.

A Locality Plan of the abovementioned areas is depicted on Drawing No 10043/E/01, which forms part of this tender document.

2.0 EXTENT OF CONTRACT

This contract includes for four (4) sections of works, i.e:

Section A of Works: Tree and bush clearance within servitudes, etc.

The objective of Tree and bush clearance maintenance is to ensure the safe mechanical and electrical operation of the powerlines and to meet Municipal legal, business social and environmental obligations.

Trees growing to a height in excess of the horizontal distance of that tree from the nearest conductor pose a risk to the electricity infrastructure and also as a risk to safe operation of the powerlines or any electrical equipment's.

High levels of biomass below a powerlines may lead to increased risk of flash over during fires and it is necessary to remove all trees and shrubs below a line.

The work requirements are detailed in Section A of the Bills of Quantities, but generally includes for:

- (i) Cutting and poisoning of trees.
- (ii) Slashing and cutting back and removal of new growth and clearing of debris.
- (iii) Grass cutting and weed removal.
- (iv) Reporting on any adjacent high trees that endanger the lines.
- (v) Reporting on the condition of the overhead lines and insulators.
- (vi) Surveying of line routes

This work is to take place within overhead line servitudes where line voltages can be up to 22 000 volt, and around high mast lights and Low Voltage (LV) pillar boxes and kiosks and all persons to have accredited training on the use and operation of the equipment.

Section B of Works: LV Service Connections and Metering including minor maintenance and domestic repair work.

Prepayment is as a means of direct budgeting, bringing the time between payment (purchase) and use (consumption) to as short an interval as possible. This allows the customer to relate usage to the amount of money required. Prepayment stops a customer from going into debt as it provides automatic credit control - as opposed to the billed system where the utility has to do this itself - manually.

The intent is to make an electricity supply affordable as well as remove the issue of deposit management.

With situations of political protest, social pressure, township unrest and crime, reading the meters of billed customers also became difficult. Prepayment removed this operational problem.

The work requirements are detailed in Section B of the Bills of Quantities, but generally includes for:

- (i) Installation only of:
 - (a) Ready board and CIU (pre-payment meter keypad) at houses and provide a COC
 - (b) Pre-payment meter and circuit breaker in pole mounted boxes at LV overhead line or LV distribution kiosk or LV meter box.
- (ii) Pre-payment meter auditing, i.e. physical inspection of meter
- (iii) Identification of tampered meters and rectifications.
- (iv) Disconnection and reconnection of consumers for non-payment.
- (v) Inspection of Load Management Relays.
- (vi) Repair and maintain municipal buildings, i.e. fix faulty electrical points, DBs and lights.
- (vii) Prepaid conversions
- (viii) Bulk meter reading and auditing.

Section C of Works: MV and LV Reticulation Construction Work

The work requirements are detailed in Section E of the Bills of Quantities, but generally includes for:

- (i) The construction only of MV (up to 22 000 volts) and LV overhead lines and cables including associated equipment.
- (ii) The installation only of MV and LV underground cables including trenching.
- (iii) The installation only of miniature substations (up to 1 000 kVA), Ring Main Units (up to 5-way) and outdoor plinth or pole mounted transformers (up to 500 kVA).
- (iv) The installation only of streetlights and replacement of lamps at high mast lights.

Section D of Works: MV and LV Reticulation Maintenance Work

The work requirements are detailed in Section F of the Bills of Quantities, but generally includes for:

Servicing and maintenance to:

- (i) MV (up to 22 000 volts) outdoor and indoor switchgear.
- (ii) Miniature substations (up to 1 000 kVA) and outdoor plinth or pole mounted transformers (up to 500 kVA).
- (iii) 66 000/22 000/11 000 volts Distribution Transformers up to 20 MVA.
- (iv) Street lights and high mast floodlights
- (v) LV pillar boxes or kiosks.

3.0 **ADJUDICATION AND AWARD OF BIDS**

The bids will be adjudicated and awarded per Section of Works, but more than one (1) Section of Works could be awarded to the same Bidder. There will only be more than one (1) successful Bidder for section A to D.

Only those Bidders who score the minimum points or more in terms of the qualification criteria stipulated in Part T1.2 of the bidding document will be considered.

Bids will only be considered if the requirements as stipulated under clause F.3.13.1 of Part T1.2 are met, and all the items required under the List of Returnable Documents under Part 2.1 have been satisfactorily provided.

4.0 **LETTING OF CONTRACT**

The contract will be let as a Direct Contract with Knysna Municipality for a period of three (3) years from date of appointment.

5.0 **EQUIPMENT AND MATERIALS SUPPLIED BY MUNICIPALITY**

The Municipality will supply as a free issue certain equipment and materials as stipulated in the Bills of Quantities. The labour rates provided for these items must include any handling charges if required.

6.0 **SUPPLY VOLTAGES**

The supply voltage can be either 66 000, 22 000, 11 000 or 400/230 volt, 50 Hz and all equipment and material shall be suitable for these conditions. The phase rotation is to be checked and maintained through-out the network.

7.0 **SWITCHING OF SUPPLIES**

All switching of MV and LV supplies shall be arranged in advance with the Municipality's electro-technical department. The Contractor shall establish the department's requirements regarding advance notice, permits to work, etc at the start of any work requiring the supply to be switched-off.

8.0 **PROGRAMME**

The programme for major tasks during the contract period will be agreed with the Contractor before work commences.

The minimum time required to respond to a work instruction will, however, be as stipulated in Part T1.2, Bid Data, hereof, i.e. pages no's T1.2.4 to T1.2.10, as follows:

Section A of Works: Tree and Bush clearance within Servitudes, etc. – three (3) days.

Section B of Works: Meter Installation and Associated Work – Eight (8) hours.

Section C of Works: MV and LV Reticulation Construction Work – two (2) days.

Section D of Works: MV and LV Reticulation Maintenance Work – two (2) days.

9.0 **REGISTRATION OF CONTRACTOR**

For Section B, C and D the Contractor must be registered with the Department of Labour as an Electrical Contractor.

10.0 **SITE STAFF**

The Contractor shall have a competent person / supervisor on site at all times to oversee the execution of the work required under this contract. This person shall be familiar and have undergone the necessary training to meet all the health and safety requirements stipulated in the Occupational Health

and Safety Act (OHS Act) and where relevant to meet environmental procedures and the requirements of the Municipality.

The person in charge will also ensure that the necessary quality control is applied.

11.0 SITE FACILITIES

The Contractor shall be responsible for negotiating with the Employer to obtain a location for erection of his site office and storage yard if required. The Contractor shall also arrange for the supply of water, electricity and telephone services to this site at his own cost.

12.0 RE-MEASUREMENT

All quantities in the Bills of Quantities are provisional and are subject to re-measurement on site, where applicable.

13.0 COST PRICE ADJUSTMENT

The Contractor is entitled to apply CPA to all rates in this tender for the duration of the contract as stipulated in clause 6.8.2 (General Items) and 6.8.3 (Special Items) of the General Conditions of Contract (GCC) and as elaborated upon in the Contract Specific Data under the same clause no's and page 81 of Part C1.2, Contract Data.

Tenderers are reminded to fill-in any specific requirements for Special Items under clause 6.8.3 of the Data Provided by the Contractor in Part C.1.2.

14.0 CLEARANCE WITH OTHER SERVICES

When relevant, it shall be the responsibility of the Contractor to obtain all necessary drawings and information of the existing and planned future underground services from the Municipality and Telkom to ensure that there are no damage to those services during the installation of electrical services and that all necessary clearances with their existing and future plant are allowed. Where necessary, the Contractor shall first locate existing underground services before commencing with the trenching for cables or the excavation of holes for poles.

15.0 MONITORING WORKS

Monitoring of the works undertaken by the Contractor against the municipal requirements will be undertaken by staff from the Municipality's Electro-technical Department.

16.0 WORK BY OTHERS

Erf and road boundary pegs where required will be placed by a Land Surveyor to be appointed by the Employer.

17.0 WEEKEND, PUBLIC HOLIDAYS

No work shall be carried out on weekends or public holidays or outside of normal working hours during week days, unless specifically required by the Municipality's Electro-technical Department.

18.0 HEALTH AND SAFETY

The Contractor and all sub-contractors used by the Contractor are required to adhere to the provisions of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993), and includes the Construction Regulations (2003), as amended.

Where relevant, allowance has been made in the Bills of Quantities for the Tenderer to allow for the costs involved to compile a Health and Safety Plan as per the Construction Regulations and to implement it for the duration of a specific task. This Plan must be submitted to the Engineer for approval before such a task commences.

19.0 **LOCAL LABOUR**

The optimum use shall be made of local labour and the Contractor/s shall as far as practically possible and economically viable make use of labour intensive methods to do the work.

All local labour must be arranged through Knysna Municipality's Corporate Services: Human Resources Department. Contact details of the municipal official in this regard are:

Ms Wendy Gomo
Tel: 044 302 6486
E-mail: wgomo@knysna.gov.za

20.0 **DAMAGE TO STRUCTURES**

The Electrical Contractor shall be responsible for the making good of damage caused by his / her staff to any part of the structures / equipment. In the event of the occurrence of damage he/she shall arrange the repair of such damage to be carried out at his / her own expense to the satisfaction of the Municipality's Electro-Technical Department.

21.0 **SAFETY PROCEDURES**

The Contractor shall not perform work on any portion of a network until such portion of a network has been isolated and earthed and the work shall be carried out under the full time supervision of a competent person as required by the OSH Act.

The Contractor shall request a written OSH Work Permit from the Engineer or his Representative, which shall be completed in duplicate. The original permit shall be retained by the Contractor until completion of his work. Upon completion of the work, the Contractor shall sign a statement to this effect. He shall hand this statement as well as the used permit to the Engineer or his Representative, to enable the latter to re-energise the relevant portion of the network.

The Contractor shall have and use where required the necessary safety equipment on the work assigned to him. No work shall be undertaken unless this requirement can be met.

22.0 **PROVISIONAL SUMS**

The Provisional Sum to cover payment for escalation in the Price Summary of the Bills of Quantities, forming Part C2.2 hereof, for each Section of Works.

Payments from the Provisional Sums will be made under the direction of the Engineer based on claims submitted by the Contractor/s.

23.0 **STANDARDS AND CODES OF PRACTICE**

The installations shall comply with the following and all amendments thereto, as appropriate: -

SANS 10142 Code of Practice for the Wiring of Premises, as appropriate (referred to herein as the Wiring Regulations).

The Occupational Health and Safety Act (Act 85, 1993) and Regulations.

The Post Office Act.

The SAIEE Code of Practice for Overhead Power Lines.

The Local Authorities: Standard Electricity Supply By-Law and appropriate Additional By-Law or Regulations.

Any further Specification, Regulation or Code of Practice stated elsewhere in this Specification.

All items of plant supplied and/or installed, whether expressly specified herein or not, shall conform in respect of quality, manufacture, tests and performance with the requirements of the appropriate South African Bureau of Standards Specifications and addenda thereto, or, if no such Specification exists covering any one or more of these requirements, with the relevant requirements of the appropriate

British Standard Specifications and addenda thereto, except where elsewhere required by this Specification or approved by the Engineer. Where the South African Bureau of Standards has issued a licence for the use of its Mark on products complying with any of its Specifications, only such products which carry the Mark shall be supplied.

Preference will be given to plant manufactured in South Africa.

24.0 **APPROVAL OF DRAWINGS**

All Drawings, circuit or schematic diagrams prepared by or on behalf of the Contractor for submission to the Engineer in terms of the requirements of this Specification shall have been thoroughly checked, corrected where necessary and signed as approved by the Contractor, prior to such submission.

25.0 **CONTRACTOR'S REPRESENTATIVE**

Immediately after the successful Tenderer has been advised that his tender is to be accepted and before a formal contract entered into, he shall designate a senior member of his staff to be his Contractor's representative. Such representative shall be competent and duly authorised to co-ordinate the work in the Contractor's office, and between his office and the Site, and between the Contractor and his Suppliers as well as to maintain liaison with the Engineer and generally to represent the Contractor on all aspects of his Contract. In particular, the Representative shall attend at the office of the Engineer as and when required, and shall collaborate with him in finalising the drawings of the Works as a whole, so far as the installation which forms the subject of this Contract, is concerned.

26.0 **ATTENDING FOR MEASUREMENT**

The Contractor, or his Representative shall, from time to time, when required on reasonable notice by the Engineer, attend at the Works to take jointly with the Engineer or his Representative any measurements of the work executed that may be necessary for the purpose of preparing the Contractor's claim. Any such measurements when ascertained and any differences arising thereon, shall be duly recorded in the manner required by the Engineer.

The Contractor shall, without extra charge, provide assistance with every appliance and other thing necessary for measuring the work. If the Contractor's Representative fails to attend when so required, the Engineer or his Representative shall have power to proceed by himself to take such measurements and to prepare the final quantities, and in that case any decision of the Engineer shall be final and conclusive.

27.0 **OPERATING, MAINTENANCE AND SERVICING PROCEDURES**

The Contractor shall instruct the Engineer or his Representative in routine operating, maintenance and servicing procedures of all items of plant supplied under this Contract, and shall ensure that he fully understands the documents provided.

28.0 **VALUE ADDED TAX**

The attention of Tenderers is drawn to the Value Added Tax Act (Act 89 of 1991) and any amendments thereto. All tenders submitted shall indicate the nett tender price, the amount of VAT and the gross tender price carried to the Form of Tender as provided for in the Price Summaries. The amount stated in the Form of Offer and Acceptance will be taken as being inclusive of any tax due in terms of the said Act and no claims whatsoever in this respect will be considered.

29.0 **GUARANTEE**

The Contractor shall guarantee to the Employer the material, equipment and workmanship delivered by him, for a period of 12 months. The guarantee must be valid for a period starting on the date when the Works or portion thereof are accepted by the Engineer as complete and in working condition. The complete installation must be guaranteed against defects as a result of patent and latent defects of the design and equipment, save design defects made or specified by the Engineer, as well as against faulty materials and workmanship. Fair wear and tear is excluded from the guarantee. The guarantee must provide that all material, equipment, parts, spares and appurtenances that become defective during the guarantee period be replaced free of charge of any nature to the Employer or Engineer. The costs of labour and transportation required to replace such

part of a defective installation shall be borne by the Contractor and shall be included in his guarantee. The Contractor shall cede to the Employer the remainder of any guarantee which he has received from his Suppliers and which extends beyond the period mentioned herein.

If it becomes necessary for the Contractor to replace or remove any defective portions of the Works under this condition, the provisions thereof shall apply to the portions so renewed or replaced until the expiry of the guarantee from the date of such replacement or renewal, and in the event of any defects occurring or being discovered in or to the Works within the guarantee period as aforesaid, the guarantee shall continue until the defects have been made good to the satisfaction of the Engineer.

If any defects are not remedied within a reasonable time, the Employer shall proceed to have the work done at the risk and expense of the Contractor, but without prejudice to any other rights which the Employer may have against the Contractor in respect of such defects.

C3.2: STANDARD TECHNICAL SPECIFICATION

1.0 STANDARDS

The following SANS, NRS, BS, etc. Standards shall apply:

1.1 ELECTRICAL SUPPLY AND PHASE ROTATION

SANS 1019	Standard voltages, currents and insulation levels for electricity supply
SANS 1816	Electricity supply - Quality of supply: Power quality instruments
NRS 048	Quality of supply

1.2 EARTHING AND BONDING

SANS 10142	The wiring of premises (Part 1) Low voltage installations
SANS 10200	Neutral earthing in medium voltage industrial power systems
SANS 10292	Earthing of low-voltage (LV) distribution systems
NRS 076	Earthing of distribution substations with nominal voltages up to and including 132 kV.

1.3 FENCING

NRS 060:2001	Code of practice for clearances for electrical systems with rated voltages up to and including 145kV, for the safety of persons.
D-DT-5237 (Eskom Specification)	Security Fences as per Eskom Specification and Drawings

1.4 MV SWITCHGEAR AND SUBSTATIONS

SANS 1652	Battery Chargers – Industrial Type
DSP 34-1157 (Eskom Specification)	11kV and 22kV Withdrawable Pattern Air-Insulated Indoor Primary Switchgear

1.5 INSTRUMENTS, METERS AND PROTECTION RELAYS

SANS 473 / NRS 071	Automated meter reading for large power users
SANS 474 / NRS 057:2005	Code of practice for electricity metering
SANS 1524	Electricity payment systems
SANS 1799	Watt-hour meters - AC electronic meters for active energy

SANS 1966 / IEC 60211	Maximum demand indicators, Class I.0
SANS 60044 / IEC 60044	Instrument transformers
SANS 62052 / IEC 62052	Electricity metering equipment (A.C.) - General requirements, tests and test conditions
SANS 620532003 / IEC 62053	Electricity metering equipment (A.C.) - Particular requirements
NRS 057 / SANS 474	Code of practice for electricity metering
NRS 068	Electricity distribution - cable earth fault indicator
NRS 071 /SANS 473	Automated meter reading for large power users
NRS 072	Overhead line fault path indicators
BS EN 60044, BS EN 60044	Specification for voltage transformers

1.6 **SLEEVES**

SANS 791	Unplasticized poly(vinyl chloride) (PVC-U) sewer and drain pipes and pipe fittings
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1.7 **MV AND LV CABLES**

SANS 97	Electric cables - Impregnated paper-insulated metal-sheathed cables for rated voltages 3,3/3,3 kV to 19/33 kV (excluding pressure assisted cables)
SANS 1339	Electric cables - Cross-linked polyethylene (XLPE) insulated cables for rated voltages 3,8/6,6 kV to 19/33 kV
SANS 1507	Electric cables with extruded solid dielectric insulation for fixed installations (300/500 V to 1 900/3 300 V)
SANS 10198	The selection, handling and installation of electric power cables of rating not exceeding 33 Kv, Part 1
SANS 60227	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V
SANS 60502	Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV)
NRS 011	Pilot Cables
NRS 013	Medium -Voltage Cables
NRS 074	Low-voltage (600/1000 V) cable systems for underground electrical distribution
NRS 077	XPLE -insulated cables and accessories for system with nominal voltages of 44 kV, 66 kV, 88 kV and 132 kV
NRS 078	Long-span all-dielectric self-supporting fibre optic cable

1.8 **MV AND LV CABLE JOINTS AND TERMINATIONS**

SANS 808	Cable glands for use on flameproof enclosures (Ex d)
SANS 10198-9	The selection, handling and installation of electric power cables of rating not exceeding 33 kV.
SANS 1213	Mechanical cable glands
SANS 1803	Lugs and ferrules for insulated electric cables
NRS 053	Accessories for medium-voltage power cables (3,8/6,6 kV to 19/33 kV)

1.9 **MV AND LV CABLE TESTING**

SANS 97	Electric cables - Impregnated paper-insulated metal-sheathed cables for rated voltages 3,3/3,3 kV to 19/33 kV (excluding pressure assisted cables)
SANS 10198-13	The selection, handling and installation of electric power cables of rating not exceeding 33 kV Part 13: Testing, commissioning and fault location.

MV AND LV OVERHEAD POWER LINES

SANS 182	Conductors for overhead electrical transmission lines
SANS 470	Concrete poles for telephone, power and lighting purposes
SANS 616	High-temperature wood-preserving creosote
SANS 673	Mixtures of copper-chromium-arsenic compounds for timber preservation
SANS 753	Pine poles, cross-arms and spacers for power distribution, telephone systems and street lighting
SANS 935	Hot-dip (galvanized) zinc coatings on steel wire
SANS 10280	Overhead power lines for conditions prevailing in South Africa
SANS 60282-1/IEC 60282-1	High-voltage fuses, Part 1: Current-limiting fuses
SANS 60305/IEC 60305	Insulators for overhead lines with a nominal voltage above 1 000 V - Ceramic or glass insulator units for A.C. systems - Characteristics of insulator units of the cap and pin type
SANS 60372/IEC 60372	Locking devices for ball and socket couplings of string insulator units - Dimensions and tests
SANS 60383-1/IEC 60383-1	Insulators for overhead lines with a nominal voltage above 1 000 V, Part 1: Ceramic or glass insulator units for A.C. systems - Definitions, test methods and acceptance criteria
SANS 61089/IEC 61089	Round wire concentric lay overhead electrical stranded conductors
SANS 61109/IEC 61109	Composite insulators for A.C. overhead lines with a nominal voltage greater than 1 000 V - Definitions, test methods and acceptance criteria
SANS 61211/IEC 61211	Insulators of ceramic material or glass for overhead lines with a nominal voltage greater than 1 000 V - Impulse puncture testing in air
SANS 61284/IEC 61284	Overhead lines - Requirements and tests for fittings
SANS 61467/IEC 61467:1997	Insulators for overhead lines with a nominal voltage above 1 000 V - AC power arc tests on insulator sets
SANS 61643-1/IEC 61643-1	Low-voltage surge protective devices Part 1: Surge protective devices connected to low-voltage power distribution systems - Requirements and tests
SANS 61952/IEC 61952	Insulators for overhead lines - Composite line post insulators for alternative current with a nominal voltage > 1 000 V
NRS 022	Electricity distribution - stays and associated components
NRS 028	Cable lugs and ferrules - for copper and aluminium conductors
NRS 031	Alternating current disconnectors and earthing switches (up to 145 kV)
NRS 035	Outdoor distribution cut-outs
NRS 038	Concrete poles
NRS 039	Surge arresters for use in distribution systems
NRS 043	Code of practice for the joint use of structures for power and telecommunication lines
NRS 044	Working procedures and standards in respect of the installation of new electrical works and telecommunication facilities, or the extension or modification of such existing works and facilities
NRS 060	Code of practice for clearances for electrical systems with rated voltages up to and including 145 kV, for the safety of persons
NRS 066	Medium voltage insulators
NRS 073	Wood poles, cross-arms and spacer blocks

1.11 **MV AND LV AERIAL BUNDLED CONDUCTOR**

SANS 1418	Aerial bundled conductor systems
SANS 1713	Electric cables - Medium-voltage aerial bundled conductors for voltages from 3,8/6,6 kV to 19/33 kV

1.12 **LIGHTNING PROTECTION**

SANS 10313	The protection of structures against lightning
SANS 62305/IEC 62305	Protection against lightning

1.13 **HOT DIP GALVANISING**

General Hot Dip Galvanizing Standards:

SANS 32	Hot-dip (galvanized) zinc coatings (other than on continuously zinc-coated and sheet wire)
SANS 121	Hot-dip (galvanized) coatings on fabricated iron and steel articles
SANS 10094	The use of high strength friction grip bolts
SANS 14713	General principles of design and corrosion resistance

Mechanical Cleaning and Zinc Thermal Spraying Standards:

SANS 2063	Metallic and other inorganic coatings
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Continuously Hot Dip Galvanized Sheeting Standards:

SANS 4998	Continues hot dip zinc coated carbon steel sheet of structural quality
SANS 3575	Continues hot dip zinc coated carbon steel sheet of commercial, lock forming and drawing qualities
SANS 9364	Continues hot dip aluminium / zinc coated steel sheet of commercial, drawing and structural qualities
SANS 14788	Continues hot dip zinc / 5% aluminium alloy coated sheets

Continuously Hot Dip Galvanized Wire Standards:

SANS 675	Zinc coated fencing wire
SANS 935	Hot dip galvanized zinc coatings on steel wire
SANS 10244	Steel wire and wire products

1.14 **PAINTING**

SANS 1274	Coatings applied by the powder-coating process
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1.15 **LABELS AND NOTICES**

SANS 1186	Symbolic safety signs
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2.0 **ADDITIONAL REQUIREMENTS**

2.1 **MV AND LV CABLES**

2.1.1 **GENERAL**

- (i) MV Cables shall be 3 core, PILCA, solid aluminium or stranded copper cored as specified in Table 18 for 11 kV cables and Table 20 for 22 kV cables.

All MV terminations shall be of the Heat Shrink termination type with ISO – Tech type Interface C Elbow Screened Connector or similar equally approved.

All MV through-joints shall be of the Powertech or Iso-tech type or similar equally approved.

- (ii) LV Cables shall be 2, 3 or 4 cored as specified for each task, PVCAS, copper cored.
- (iii) Concrete slabs and PVC marker tape shall be placed over MV cables in trenches and only PVC marker tape over LV cables.
- (iv) Locknuts on LV cable glands shall be brass.

2.1.2 **CABLES LAID IN TRENCHES**

- (i) Unless specified otherwise for a specific task, LV cables shall be laid with a cover of 650 mm and MV cables with a cover of 850 mm.
- (ii) Where two MV cables are run in same trench, they shall be laid a minimum of 300 mm apart with separate cable slabs over each cable.
- (iii) Where MV and LV cables are laid in same trench, MV cables shall be located on road side and LV cables on the plot side of trench.
- (iv) A horizontal distance of not less than 400 mm shall be maintained between cables of different voltage groups.
- (v) Where a number of LV cables are run in same trench, they shall be laid with a minimum separation of 100 mm. This applies to feeder cables only and not streetlighting and service cables which shall be only 25 mm apart. Cables shall not cross each other unless approved by the Engineer.
- (vi) Where cables run across erven parallel to lateral boundaries, they shall be located 1,0 m from the boundary at a depth of 1,0 m. If so specified they shall be run in sleeves, otherwise both MV and LV cables shall be protected by cable slabs and a PVC marker tape laid 300 mm above them.
- (vii) Trench bottom shall be cleared of all sharp or protruding stones. Trench is then to be refilled with 150 mm of soft material and compacted. A further layer of soft material shall be installed after cables are laid to provide 200 mm cover for cable when compacted. Protective cable slabs, a minimum of 50 mm thick x 230 mm wide, shall then be laid in case of MV cables, and PVC marker tape 300 mm wide with indelibly printed warnings every 150 mm along its length, in case of LV cables. In cases where MV and LV cables run in same trench, 100 mm of soft bedding for LV cables shall be situated above protective cable slabs. Where only LV service cables or streetlighting cables are installed, a clean trench bottom and soft material back-fill only is required.
- (viii) Soft material described above may be either sand or backfill material sifted through a 3,0 mm mesh grid.
- (ix) Balance of trench is to be back-filled with excavated material from which all stones, etc. greater than 100 mm in size have been extracted. All such material is to be removed from site.
- (x) Cable route markers shall be provide for all MV and man LV feeder cables at road, culvert and Telkom cable crossings, at all changes of direction, at joints and at intervals not exceeding 60 metres along the straight.
- (xi) Cable route markers shall comprise concrete blocks in shape of truncated pyramids 300 mm high, 150 mm x 150 mm at top and 225 mm x 225 mm at base. An aluminium plate 3,0 mm thick minimum, with four rods 75 mm minimum, welded to it on underside, shall be cast into top of concrete block, and plate shall have been stamped on its cable data and direction arrows, and at a crossing, crossing shall be indicated.
- (xii) Cable route markers shall be placed over cable, in trench way, and shall protrude 25 mm above finished ground level but not where they are likely to cause an obstruction or be in way

of moving traffic. Joint markers shall indicate as such. Contractor shall ensure that ground under and around cable marker is properly compacted.

2.1.3 **LAYING OF CABLES WITH OTHER SERVICES**

- (i) Where cables are laid in trenches containing water and other pipes, etc, electrical cables shall be laid along one edge of trench with other services occupying the other edge.
- (ii) Cables shall be laid not less than 600 mm from such service unless otherwise approved by the Engineer.
- (iii) At road and services crossings, sleeves shall be provided for each MV cable and a separate sleeve for other cables, unless required otherwise by the Engineer.
- (iv) At Telkom cable crossings, power cables shall cross 300 mm below and at right angles to all such cables or sleeves for future cables. Power cables shall be enclosed in uPVC sleeves with cable slabs over, both of which shall extend 1,0 m either side of the crossing. No power cables running parallel with a Telkom cable shall be laid within a distance of 1,0 m measured horizontally from the Telkom cable. Wherever existing buried Telkom cables are encountered, strict precautions and care shall be taken and close supervision given. Any damage to or disturbance of Telkom cables whatsoever shall be immediately reported and confirmed in writing to the Engineer.

2.1.4 **LABELLING OF CABLES**

- (i) All cables shall be clearly labelled with an everlasting type of label.
- (ii) Label shall state cable size and number of cores.
- (iii) All main feeder cables shall be labelled to state from whence they are supplied.
- (iv) Labels shall be so installed that they are easily readable.

2.2 **MINIATURE SUBSTATIONS AND POLE MOUNTED TRANSFORMERS**

- (i) Concrete plinths for Miniature Substations and Switchgear etc. shall be 300 mm above the natural ground level and 150 mm below ground level.
- (ii) Miniature Substations, Switchgear and Metering Units shall have Hot Dipped Galvanised steel or 3CR12 steel enclosures painted Avocado Green C12 / SABS 1091 paint equalling 125µm, and for Salt / Coastal Conditions.
- (iii) Pole Mounted Transformers shall be Zinc Sprayed and painted Avocado Green C12 / SABS 1091 paint equalling 125µm, and for Salt / Coastal Conditions.

2.3 **MV AND LV OVERHEAD LINES**

- (i) All steelwork on Overhead Line structures shall be Hot Dipped Galvanised.
- (ii) Overhead Line conductors shall be of the following types and of the sizes specified for each task:
 - (a) MV Overhead Lines shall be either bare copper conductors, All Aluminium Alloy (AAAC) (Greased) or Aerial Bundled Conductor (ABC) with supporting core system (French system).
 - (b) LV Overhead Lines shall be either bare copper conductors and Aerial Bundled Conductors (ABC) for main lines and Airdac including 2 x 0,5 mm² Cu pilot wire for service connection cables.
- (iii) Insulators for MV bare conductor Overhead Lines shall be as follows:
 - (a) 22 kV:

Strain – Pure silicon rubber Long Rod 22 kV, 70 kN, 850 mm creepage.
Line Post – Capless brown glazed porcelain 22 kV, 10 kN, 750 mm creepage.

(b) 11 kV:

Strain – Pure silicon rubber Long Rod 11 kV, 70 kN, 590 mm creepage.
Line Post – Capless brown glazed porcelain 15 kV, 10 kN, 325 mm creepage.

(iv) Wooden poles for Overhead Lines:

- (a) Poles shall be machine peeled and inspected by the Engineer at the Suppliers premises before delivery to site and no excessively bent or ragged looking poles will be accepted. Poles must bear the SABS mark.
- (b) Unless specified otherwise for a specific task, the minimum top diam. and diam. at theoretical ground level and depth pole to be planted shall be as follows for the following pole lengths:

Pole Lengths	Top dia.	Ground dia.	Plant depth
3,5 metres	140 mm	-	-
4,5 metres	140 mm	-	-
8 metres	140 mm	175 mm	1500 mm
9 metres	140 mm	180 mm	1500 mm
10 metres	160 mm	205 mm	1800 mm
11 metres	160 mm	215 mm	1800 mm
12 metres	160 mm	215 mm	1800 mm
13 metres	180 mm	245 mm	2000 mm

- (c) Stays for Overhead Lines (unless specified otherwise for specific task) shall be galvanised, 7 strands of 4,0 mm. Similar or equally approved to RGS (Reticulation & General Specification), product code LSW 7 x 4,00.

The base plates for all stays shall be galvanised steel plate of 600 x 600 x 600 mm square.

2.4 **TRENCHING, EXCAVATION AND COMPACTION**

2.4.1 **GENERAL**

- (i) Contractor to allow for all excavation and backfilling of cable trenches and holes for planting of poles, unless required otherwise by the Engineer.
- (ii) Contractor shall be responsible for ensuring that any trenches opened by him, or for him, do not constitute a hazard to the public.
- (iii) Barriers and warning lights at night, or any other protection of trenches or excavations, to be provided as required by the Engineer or to meet Statutory requirements.
- (iv) Contractor shall be responsible for leaving all areas affected by cable trenches, holes in ground, and any other work done by him or on his behalf, in a clean and tidy state, and for making good all tarmacadam, concrete, paved or grassed surfaces.
- (v) Contractor's responsibility to make good any subsidence that may occur within six months of back-filling trenches, and, in case of tarried surfaces, to remove and re-tar with new material.

2.4.2 **ROUTING**

- (i) Routes for underground cables shall be as indicated by the Engineer.

- (ii) Variation of these routes shall be approved by Engineer before trenching is done.
- (iii) Contractor's responsibility to ensure that the routes of the cables are correct.

2.4.3 **PEGS**

- (i) Contractor will be responsible for the replacement of any pegs disturbed or removed by him.

2.4.4 **TRENCHING AND EXCAVATION BY OTHERS**

The Contractor is to co-operate closely with the Trenching Contractor at all times and is required to be in attendance during backfilling of all trenches, etc., to ensure that cables are not damaged in any way and that poles are correctly aligned.

2.4.5 **TYPE OF MATERIAL**

The following definitions shall apply to the three categories. Where the conditions experienced are a combination of two or more of the conditions listed below, the Contractor shall be paid on rates in proportion to the contents of earth, soft rock or hard rock experienced in the excavations.

"Earth" shall mean ground that can be removed by hand using pickaxe and spade, and includes loose gravel, clay, made-up ground, loose or soft shale, loose oukrip, and boulders less than 75mm in diameter.

"Soft rock" shall mean all hard ground such as oukrip, hard shale, decomposed rock, loose boulders and large stones, etc., which require the use of pneumatic tools, mechanical rippers and/or excessive hard labour to excavate and remove economically.

"Hard rock" shall mean granite, quartzite, dolomite, or other rock of similar hardness, which can only be excavated and removed economically by blasting, wedging or breaking.

2.4.6 **VERIFICATION OF EXCAVATION CLAIMS**

- (i) Payment will only be authorised for excavation in ground other than earth upon submission of documentary proof of such excavation made and signed as correct at the time trenches or holes were excavated.
- (ii) In all cases where rock has to be excavated, or where poles, etc. have to be stabilised with concrete or by other means, in loose sand or in soft or waterlogged ground or where substitution of excavated material is necessary for backfilling, that the Engineer be notified before such excavation work is back-filled.
- (iii) Amounts and type of rock encountered shall be measured by the Contractor in the presence of the Engineer.

2.4.7 **PRECAUTION WITH REGARD TO OTHER SERVICES**

- (i) The Contractor shall exercise extreme caution in his work to avoid damage to existing underground services.
- (ii) All excavation in the vicinity of other services must be undertaken by hand.

2.4.8 **COMPACTION**

- (i) Care shall be taken in compacting pole holes, trenches crossing roads and those crossing or running under or within 1,0m of paved or tarred sidewalks.
- (ii) In trenches, the backfill shall be replaced in 150mm layers and four to six passes with a vibrating pan compactor shall be made per layer. Around poles, a jumping jack shall be used on each 150mm layer.

- (iii) When clay is encountered, the Engineer should be advised and may instruct the Contractor to remove all such excavated material and replace it with more suitable material, which shall then be compacted as above.
- (iv) Where material is too wet for proper compaction, it should be dried out and if too dry, shall be dampened.
- (v) In the case of road crossings, the excavated base and sub-base material shall be mixed and replaced up to the top level of the original sub-base. New material equal in composition to the original base course shall be supplied, this material being used for the full depth of the base course layer.
- (vi) Degree of compaction required shall be field densities of 95% in respect of poles and road crossings and 90% in respect of sidewalks.
- (vii) All trenches crossing roads and sidewalks shall be approved by the Municipality's Roads Department and also meet their specific requirements. The Engineer will, if the compaction is in doubt, arrange to have it independently tested and should the compaction prove to be below standard, the cost of the test will be debited to the Contractor, who will be required, at his own expense, to open and re-fill trench or pole hole to obtain the specified compaction value.

2.5 **METERS**

- (i) Split Prepayment Meters shall be similar or equally approved to the Itron type ACE 9000 split single phase type.giov
- (ii) The current limit shall be set at 20 Amps for supplies to sub-economic houses.

2.6 **POLE MOUNTED CONSUMER SERVICES CONNECTION BOXES**

- (i) Consumer Service Connection Boxes for ABC overhead line reticulation networks in sub-economic housing areas shall be similar or equally approved to the Greenbro type with a polyethylene enclosure and fitted with a door, neutral and earth bars, three surge arrestors (one per phase) and 4 (four) 2,5 m long min. 16 mm² copper UV stable interconnecting conductors for connection to the ABC.
- (ii) Each box shall be suitable for installation of nine (9) x 60 A single pole white handle (Curve 2), 5 kA, circuit breakers and Split Prepayment Meter Control Units (MCU's). the circuit breakers shall be installed in the box, but the MCU's shall be delivered to the stores of the Municipality's Electrical Department.
- (iii) The box shall be provided with a door that opens upwards as well as a facility to keep the door in the open position. The box shall also be provided with stainless steel padlockable clips.

2.7 **LV CIRCUIT BREAKERS**

- (i) Circuit Breakers (MCB's) for LV domestic service connections shall be CBI White Handle SFMIG3 or SFMJJC. The required size shall be as specified for a specific task.

C4: Site Information

The work included under this contract will be undertaken in several different areas within the boundaries of the Knysna Municipality, which includes Knysna, Sedgefield, Buffalo Bay and Karatara.

A Locality Plan of the above mentioned areas is included on Drawing No's 10043/E/01 that forms part of this tender document.

The site conditions are as follows:

Altitude above sea level	Varies between $\pm$ 80m to 200m
Max temperature	40°C
Min temperature	0°C
Max relative humidity	90%
Ambient atmosphere	Coastal climate with severely corrosive conditions.

INDEX TO BILLS OF QUANTITIES

BILL 1: SECTION A OF WORKS: TREE AND BUSH CLEARANCE WITHIN OVERHEAD LINE
SERVITUDES, ETC.

BILL 2: SECTION B OF WORKS: LV SERVICE CONNECTIONS AND METERING

BILL 3: SECTION C OF WORKS: MV AND LV RETICULATION CONSTRUCTION WORK

BILL 4: SECTION D OF WORKS: MV AND LV RETICULATION MAINTENANCE WORK

Tenderers may request the excel file of these schedules from Mr Ndiphiwe Naki,

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ANNEXURE A

