




Knysna

Municipality • Munisipaliteit • uMasipala
INCLUSIVE. INNOVATIVE. INSPIRED.

TENDER DOCUMENT

TENDER NUMBER:		T19 of 2021/22	
TENDER DESCRIPTION:		SUPPLY AND DELIVERY OF VARIOUS ELECTRICAL METERS 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: <ol style="list-style-type: none"> 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:			
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 BBBEE 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 REGISTRATION NUMBER:			CIDB CRS NUMBER:	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					

 <p>Knysna Municipality • Munisipaliteit • uMasipala INCLUSIVE. INNOVATIVE. INSPIRED.</p>	KNYSNA MUNICIPALITY		
	TENDER NOTICE AND INVITATION TO BID		
	NOTICE NO :	T19:21/22	DIRECT ORATE:
ADVERTISED IN:	KNYSNA-PLETT HERALD, THE EDGE, MUNICIPAL NOTICE BOARD, MUNICIPAL WEBSITE, E-TENDER PORTAL		
BID NO:	T19 of 2021/22	PUBLISHED DATE:	09 September 2021
Bids are hereby invited for (Tender Description):	SUPPLY AND DELIVERY OF VARIOUS ELECTRICAL METERS 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:	R193.12
BID RULES:			
<p>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.</p> <p>Bids may only be submitted on the bid documentation that is issued.</p> <p>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.</p> <p>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.</p>			
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	Yes
CIDB Registration Required	Not Applicable		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	Not 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
Authorised by:			ACTING MUNICIPAL MANAGER	Mr. D Adonis

KNYSNA MUNICIPALITY

TENDER NO. T 19 of 2021/22: SUPPLY AND DELIVERY OF VARIOUS ELECTRICAL METERS FOR A PERIOD OF THREE (3) YEARS.

Knysna Municipality invites tenders for the supply and delivery of various electrical meters for a period of three (3) years.

The physical address for collection of tender documents is **Supply Chain Management Unit, Finance Building, Queen Street, Knysna**. Documents may be collected during working hours from 08:00 – 16:00.

A receipt for a non-refundable deposit of **R 193.12 payable** by cheque made out in favour of Knysna Municipality is required on collection of the tender documents. Tender documents can be downloaded from the Knysna Municipality website: www.knysna.gov.za at no cost. Website navigation is as follow: Do Business – Bidding Opportunities - Tenders – Current Tenders.

Technical queries relating to these documents may be addressed to Ndiphiwe Naki, e-mail nnaki@knysna.gov.za and Supply Chain queries may be addressed to Nadia Majola, e-mail nmajola@knysna.gov.za

Only bids with minimum thresholds for local production and content of the material stated under the Pricing Schedule will be considered. The local production and content shall be calculated as stipulated under the Local Content Schedule: MDB 6.2

The bids are subject to local content and production (Local = South Africa). Minimum Stipulated Local Content Designation for Residential Electricity and Water Meters is 70%.

The closing time for submission of bids is **on Wednesday, 13 October 2021 at 12h00**. 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**, on or **before** the mentioned time and latest date.

Telephonic, facsimile and late bids will not be accepted. Bids must remain valid for a period of 90 days after the closing date of the bid. 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.

The evaluation of this bid will be subjected to the conditions of the tender. Non-compliance with the requirements will result in bids being deemed as non-responsive.

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

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).

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

DJ Adonis
Acting Municipal Manager
Clyde Street
KNYSNA
6570



KNYSNA MUNICIPALITY	
TAX CLEARANCE CERTIFICATE REQUIREMENTS	
It is a condition of tender that the taxes of the successful bidder must be in order, or that satisfactory arrangements have been made with South African Revenue Service (SARS) to meet the bidder's tax obligations, before an award may be considered.	
1.	In order to meet this requirement bidders are required to complete in full the form TCC 001 "Application for a Tax Clearance Certificate" and submit it to any SARS branch office nationally. The Tax Clearance Certificate Requirements are also applicable to foreign bidders / individuals who wish to submit bids.
2.	Copies of the TCC 001 "Application for a Tax Clearance Certificate" form are available from any SARS branch office nationally or on the website www.sars.gov.za .
3.	SARS will then furnish the bidder with a Tax Clearance Certificate that will be valid for a period of 1 (one) year from the date of approval.
4.	The original Tax Clearance Certificate must be submitted together with the bid. Failure to submit the original and valid Tax Clearance Certificate will result in the invalidation of the bid. Certified copies of the Tax Clearance Certificate will not be acceptable.
	In bids where Consortia / Joint Ventures / Sub-contractors are involved, each party must submit a separate Tax Clearance Certificate.
5.	Applications for Tax Clearance Certificates may also be made via e-Filing. In order to use this provision, taxpayers will need to register with SARS as e-Filers through the website www.sars.gov.za .

KNYSNA MUNICIPALITY 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 the service of the state, it is required that the bidder or their authorised representative declare their position in relation to the evaluating/adjudicating authority.											
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 or his / her representative:											
3.2.	Identity number:											
3.3.	Position occupied in the Company (director, trustee, shareholder ²)											
3.4.	Company Registration Number:											
3.5.	Tax Reference Number:											
3.6.	VAT Registration Number:											
3.7.	The names of all directors / trustees / shareholders / members, their individual identity numbers and state employee numbers (where applicable) must be indicated in paragraph 4 below.											
3.8.	Are you presently in the service of the state*										YES / NO	
3.8.1.	If yes, furnish particulars.											
3.9.	Have you been in the service of the state for the past twelve months?										YES / NO	
3.9.1.	If so, furnish particulars.											
3.10.	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	
3.10.1.	If so, state particulars.											
3.11.	Are you aware of any relationship (family, friend, other) between the bidder and any person in the service of the state who may be involved with the evaluation and or adjudication of this bid?										YES / NO	
3.11.1.	If so, state particulars.											
3.12.	Are any of the company's directors, managers, principal shareholders or stakeholders in service of the state?										YES / NO	
3.12.1.	If so, state particulars.											

3.13.	Is any spouse, child or parent of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state?	YES / NO	
3.13.1.	If so, furnish particulars.		
3.14.	Do you or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract?	YES / NO	
3.14.1.	If so, furnish particulars.		
4.	Full details of directors / trustees / members / shareholders:		
COMPLETION OF THE FOLLOWING INFORMATION IS <u>COMPULSORY</u>:			
Full Name	Identity Number	Individual Tax Number for each Director	State Employee Number
CERTIFICATION			
I 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.			
NAME OF ENTERPRISE			
CAPACITY		DATE	
NAME (PRINT)		SIGNATURE	
¹ MSCM Regulations: "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 or 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 entity; or		
f)	an employee of Parliament or a provincial legislature.		
² "Shareholder" means a person who owns shares in the company and is actively involved in the management of the company or business and exercise control over the company.			

KNYSNA MUNICIPALITY													
PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017													
N B:	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.	<p>The following preference point systems are applicable to all bids:</p> <ul style="list-style-type: none"> 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 this bid is estimated to not exceed R50 000 000 (all applicable taxes included) and therefore the 80/20 system shall be applicable.												
1.3.	<p>Preference points for this bid shall be awarded for:</p> <ul style="list-style-type: none"> Price; and B-BBEE Status Level of Contribution. <table border="1" data-bbox="272 846 1391 1012"> <tr> <td>1.3.1</td> <td>The maximum points for this bid are allocated as follows:</td> <td>POINTS</td> </tr> <tr> <td></td> <td>PRICE</td> <td>80</td> </tr> <tr> <td></td> <td>B-BBEE STATUS LEVEL OF CONTRIBUTION</td> <td>20</td> </tr> <tr> <td></td> <td>Total points for Price and B-BBEE must not exceed</td> <td>100</td> </tr> </table>	1.3.1	The maximum points for this bid are allocated as follows:	POINTS		PRICE	80		B-BBEE STATUS LEVEL OF CONTRIBUTION	20		Total points for Price and B-BBEE must not exceed	100
1.3.1	The maximum points for this bid are allocated as follows:	POINTS											
	PRICE	80											
	B-BBEE STATUS LEVEL OF CONTRIBUTION	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 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 municipality 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 municipality.												
2.	DEFINITIONS												
2.1.	<table border="1"> <tr> <td>“all applicable taxes”</td> <td>includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;</td> </tr> </table>	“all applicable taxes”	includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;										
“all applicable taxes”	includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;												
2.2.	<table border="1"> <tr> <td>“B-BBEE”</td> <td>means broad-based black economic empowerment as defined in section 1 of the Broad -Based Black Economic Empowerment Act;</td> </tr> </table>	“B-BBEE”	means broad-based black economic empowerment as defined in section 1 of the Broad -Based Black Economic Empowerment Act;										
“B-BBEE”	means broad-based black economic empowerment as defined in section 1 of the Broad -Based Black Economic Empowerment Act;												
2.3.	<table border="1"> <tr> <td>“B-BBEE status level of contributor”</td> <td>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;</td> </tr> </table>	“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;										
“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.	<table border="1"> <tr> <td>“bid”</td> <td>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;</td> </tr> </table>	“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;										
“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.	<table border="1"> <tr> <td>“Broad-Based Black Economic Empowerment Act”</td> <td>means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);</td> </tr> </table>	“Broad-Based Black Economic Empowerment Act”	means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);										
“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 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 <i>contract</i> ;
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 <i>Government Gazette</i> 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.	<p>THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS</p> <p>A maximum of 80 or 90 points is allocated for price on the following basis:</p> $P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right) \quad \text{or} \quad P_s = 90 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$ <p>Where</p> <p>P_s = Points scored for comparative price of bid under consideration</p> <p>P_t = Comparative price of bid under consideration</p> <p>P_{\min} = Comparative price of lowest acceptable bid</p>																														
5.	<p>Points awarded for B-BBEE Status Level of Contribution</p>																														
5.1.	<p>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:</p>																														
5.2.	<table> <tr> <th data-bbox="351 665 722 732">B-BBEE Status Level of Contributor</th><th data-bbox="722 665 1064 732">Number of points (90/10 system)</th><th data-bbox="1064 665 1252 732">Number of points (80/20 system)</th></tr> <tr> <td data-bbox="351 732 722 761">1</td><td data-bbox="722 732 1064 761">10</td><td data-bbox="1064 732 1252 761">20</td></tr> <tr> <td data-bbox="351 761 722 788">2</td><td data-bbox="722 761 1064 788">9</td><td data-bbox="1064 761 1252 788">18</td></tr> <tr> <td data-bbox="351 788 722 817">3</td><td data-bbox="722 788 1064 817">6</td><td data-bbox="1064 788 1252 817">14</td></tr> <tr> <td data-bbox="351 817 722 846">4</td><td data-bbox="722 817 1064 846">5</td><td data-bbox="1064 817 1252 846">12</td></tr> <tr> <td data-bbox="351 846 722 875">5</td><td data-bbox="722 846 1064 875">4</td><td data-bbox="1064 846 1252 875">8</td></tr> <tr> <td data-bbox="351 875 722 902">6</td><td data-bbox="722 875 1064 902">3</td><td data-bbox="1064 875 1252 902">6</td></tr> <tr> <td data-bbox="351 902 722 931">7</td><td data-bbox="722 902 1064 931">2</td><td data-bbox="1064 902 1252 931">4</td></tr> <tr> <td data-bbox="351 931 722 960">8</td><td data-bbox="722 931 1064 960">1</td><td data-bbox="1064 931 1252 960">2</td></tr> <tr> <td data-bbox="351 960 722 990">Non-compliant contributor</td><td data-bbox="722 960 1064 990">0</td><td data-bbox="1064 960 1252 990">0</td></tr> </table>	B-BBEE Status Level of Contributor	Number of points (90/10 system)	Number of points (80/20 system)	1	10	20	2	9	18	3	6	14	4	5	12	5	4	8	6	3	6	7	2	4	8	1	2	Non-compliant contributor	0	0
B-BBEE Status Level of Contributor	Number of points (90/10 system)	Number of points (80/20 system)																													
1	10	20																													
2	9	18																													
3	6	14																													
4	5	12																													
5	4	8																													
6	3	6																													
7	2	4																													
8	1	2																													
Non-compliant contributor	0	0																													
5.3.	<p>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.</p>																														
5.4.	<p>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.</p>																														
5.5.	<p>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.</p>																														
5.6.	<p>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.</p>																														
5.7.	<p>Tertiary institutions and public entities will be required to submit their B-BBEE status level certificates in terms of the specialized scorecard contained in the B-BBEE Codes of Good Practice.</p>																														
5.8.	<p>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. 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.</p>																														
5.9.	<p>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.</p>																														

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:		Points Claimed (maximum of 10 or 20 points)	
7.2.	Points claimed in respect of paragraph 6.1 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? Indicate YES / NO			
8.2.	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? Indicate YES / NO		
9.	Designated Group: An EME or QSE which is at least 51% owned by:		EME ✓	QSE ✓
	Black people			
	Black people who are youth			
	Black people who are women			
	Black people with disabilities			
	Black people living in rural or underdeveloped areas or townships			
	Cooperative owned by black people			
	Black people who are military veterans			
	OR			
	Any EME			
Any QSE				
10.	DECLARATION WITH REGARD TO COMPANY/FIRM			
10.1.	Name of firm			
10.2.	VAT registration number			
10.3.	Company registration number:			
10.4.	Type Of Company/ Firm [TICK APPLICABLE BOX]	Partnership/Joint Venture / Consortium		
		One person business/sole propriety		
		Close corporation		
		Ltd Company		
		(Pty) Limited		
10.5.	Describe Principal Business Activities			
10.6.	Company Classification [TICK APPLICABLE BOX]	Manufacturer		
		Supplier		
		Professional service provider		
		Other service providers, e.g. transporter, etc.		

10.7.	Municipal Information		
	Municipality where business is situated :		
	Registered Account Number:		
	Stand Number:		
10.8.	Total number of years the enterprise has been in business?		
11.	DECLARATION		
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)	<p>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 –</p> <ul style="list-style-type: none"> 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 forward the matter for criminal prosecution 		
NAME OF ENTERPRISE			
CAPACITY		DATE	
NAME (PRINT)		SIGNATURE	
WITNESS 1		WITNESS 2	

This Municipal Bidding Document (MBD) must form part of all bids invited. It contains general information and serves as a declaration form for local content (local production and local content are used interchangeably).

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2017, the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

1. General Conditions

- 1.1. Preferential Procurement Regulations, 2017 (Regulation 8) make provision for the promotion of local production and content.
- 1.2. Regulation 8.(2) prescribes that in the case of designated sectors, organs of state must advertise such tenders with the specific bidding condition that only locally produced or manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for tenders referred to in paragraph 1.2 above, a two stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4. A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

$$LC = [1 - x / y] * 100$$

Where

x is the imported content in Rand

y is the bid price in Rand excluding value added tax (VAT)

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by South African Reserve Bank (SARB) at 12:00 on the date of advertisement of the bid as indicated in paragraph 4.1 below.

The SABS approved technical specification number SATS 1286:2011 is accessible on [http://www.thedti.gov.za/industrial development/ip.jsp](http://www.thedti.gov.za/industrial%20development/ip.jsp) at no cost.

- 1.6. A bid may be disqualified if this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation;
- 2. The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid is/are as follows:**

<u>Description of services, works or goods</u>	<u>Stipulated minimum threshold</u>
--	-------------------------------------

Residential Electricity and Water Meter	70%
---	-----

3. Does any portion of the goods or services offered have any imported content?
(***Tick applicable box***)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

- 3.1 If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the general conditions must be the rate(s) published by SARB for the specific currency at 12:00 on the date of advertisement of the bid.

The relevant rates of exchange information is accessible on www.reservebank.co.za

Indicate the rate(s) of exchange against the appropriate currency in the table below (refer to Annex A of SATS 1286:2011):

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

NB: Bidders must submit proof of the SARB rate (s) of exchange used.

4. Where, after the award of a bid, challenges are experienced in meeting the stipulated minimum threshold for local content the dti must be informed accordingly in order for the dti to verify and in consultation with the AO/AA provide directives in this regard.

LOCAL CONTENT DECLARATION
(REFER TO ANNEX B OF SATS 1286:2011)

LOCAL CONTENT DECLARATION BY CHIEF FINANCIAL OFFICER OR OTHER LEGALLY RESPONSIBLE PERSON NOMINATED IN WRITING BY THE CHIEF EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RESPONSIBILITY (CLOSE CORPORATION, PARTNERSHIP OR INDIVIDUAL)

IN RESPECT OF BID NO.

ISSUED BY: (Procurement Authority / Name of Institution):
.....

NB

- 1 The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.
- 2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on <http://www.thdti.gov.za/industrialdevelopment/ip.jsp>. Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. **Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below.** Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned, (full names),
do hereby declare, in my capacity as
of(name of bidder entity), the
following:

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have satisfied myself that:
 - (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and
- (c) The local content percentage (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C:

Bid price, excluding VAT (y)	R
Imported content (x), as calculated in terms of SATS 1286:2011	R
Stipulated minimum threshold for local content (paragraph 3 above)	
Local content %, as calculated in terms of SATS 1286:2011	

If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above.

The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E.

- (d) I accept that the Procurement Authority / Institution has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.
- (e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority / Institution imposing any or all of the remedies as provided for in Regulation 14 of

the Preferential Procurement Regulations, 2017 promulgated under the Preferential Policy Framework Act (PPFA), 2000 (Act No. 5 of 2000).

SIGNATURE: _____

DATE: _____

WITNESS No. 1 _____

DATE: _____

WITNESS No. 2 _____

DATE: _____

KNYSNA MUNICIPALITY			
DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES			
1.	This Municipal Bidding Document 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.		
2.	The bid of any bidder may be rejected if that bidder, or any of its directors have:		
2.1.	abused the municipality's / municipal entity's supply chain management system or committed any improper conduct in relation to such system;		
2.2.	been convicted for fraud or corruption during the past five years;		
2.3.	wilfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years; or		
2.4.	been listed in the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004).		
3.	In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.		
3.1.	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? (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>audi alteram partem</i> rule was applied).	Yes / No	
3.2.	If so, furnish particulars:		
3.3.	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? The Register for Tender 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.	Yes / No	
3.4.	If so, furnish particulars:		
3.5.	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	
3.6.	If so, furnish particulars:		
3.7.	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	
3.8.	If so, furnish particulars:		
3.9.	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	
3.10.	If so, furnish particulars:		

4.	CERTIFICATION		
<p>I, CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM TRUE AND CORRECT.</p> <p>I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT, ACTION MAY BE TAKEN AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.</p>			
NAME OF ENTERPRISE			
CAPACITY		DATE	
NAME (PRINT)		SIGNATURE	
WITNESS 1		WITNESS 2	

KNYSNA MUNICIPALITY	
CERTIFICATE OF INDEPENDENT BID DETERMINATION	
1.	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 <i>per se</i> prohibition meaning that it cannot be justified under any grounds.
2.	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: <ol style="list-style-type: none"> take all reasonable steps to prevent such abuse; 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 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.
3.	This Municipal Bidding Document 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.
4.	In order to give effect to the above, the following Certificate of Bid Determination must be completed and submitted with the bid:
CERTIFICATE OF INDEPENDENT BID DETERMINATION	
I, the undersigned, in submitting the accompanying bid:	
Bid Number:	T19 of 2021/22
Description:	Supply And Delivery Of Various Electrical Meters For A Period Of Three (3) Years.
in response to the invitation for the bid ISSUED by the Knysna Municipality , do hereby make the following statements that I certify to be true and complete in every respect:	
certify, on behalf of (Name of Bidder):	
That:	
<ol style="list-style-type: none"> I have read and I understand the contents of this Certificate; I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect; I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder; 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; 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: <ol style="list-style-type: none"> has been requested to submit a bid in response to this bid invitation; could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and provides the same goods and services as the bidder and/or is in the same line of business as the bidder 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. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding: 	

<ul style="list-style-type: none"> 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. 			
<p>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.</p>			
<p>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.</p>			
<p>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.</p>			
<p>CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM TRUE AND CORRECT.</p>			
<p>I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT, ACTION MAY BE TAKEN AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.</p>			
NAME (PRINT)		SIGNATURE	
CAPACITY		DATE	
<p>¹ Includes price quotations, advertised competitive bids, limited bids and proposals.</p> <p>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.</p> <p>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.</p>			

KNYSNA MUNICIPALITY				
CERTIFICATE FOR PAYMENT OF MUNICIPAL SERVICES				
(To be signed in the presence of a Commissioner of Oaths)				
I, the undersigned, in submitting the accompanying bid, declare that I am duly authorised to act on behalf of:			(name of the enterprise)	
I hereby acknowledges that according to SCM Regulation 38(1)(d)(i), the Municipality may reject the tender of the tenderer if any municipal rates and taxes or municipal service charges owed by the Tenderer or any of its directors/members/partners to the Knysna Municipality, or to any other municipality or municipal entity, are in arrears for more than 3 (three) months.				
To the best of my personal knowledge, neither the firm nor any director/member/partner of said firm is in arrears on any of its municipal accounts with any municipality in the Republic of South Africa, for a period longer than 3 (three) months.				
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 any Municipality in respect of which payment is overdue for more than 30 days;				
PHYSICAL BUSINESS ADDRESS(ES) OF THE TENDERER			MUNICIPAL ACCOUNT NUMBER	
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 certified copy(ies) of ID document(s)				
NB: Please attach copy(ies) of Municipal Accounts				
Number of sheets appended by the tenderer to this schedule (If nil, enter NIL)				

Therefore hereby agrees and authorizes the Knysna Municipality to deduct the full amount outstanding by the Tenderer or any of its directors/members/partners from any payment due to the tenderer; and

I further hereby certify that the information set out in this schedule and/or attachment(s) hereto is true and correct. The Tenderer acknowledges that failure to properly and truthfully complete this schedule may result in the tender being disqualified, and/or in the event that the tenderer is successful, the cancellation of the contract.

NAME OF ENTERPRISE			
NAME (PRINT)			
CAPACITY			
SIGNATURE		DATE:	

<p align="center">COMMISSIONER OF OATHS</p> <p>Signed and sworn to before me at _____, on this _____ day of _____ 20__ by the Deponent, who has acknowledged that he/she knows and understands the contents of this Affidavit, it is true and correct to the best of his/her knowledge and that he/she has no objection to taking the prescribed oath, and that the prescribed oath will be binding on his/her conscience.</p> <p>COMMISSIONER OF OATHS:- Position: _____ Address: _____ Tel: _____</p>	<p align="center">Apply official stamp of authority on this page:</p>
--	--

Version 3.0

KNYSNA MUNICIPALITY	
GENERAL CONDITIONS OF CONTRACT	
1. DEFINITIONS	
The following terms shall be interpreted as indicated:	
"Closing time"	means the date and hour specified in the bidding documents for the receipt of bids.
"Contract"	means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
"Contract price"	means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.
"Corrupt practice"	means the offering, giving, receiving, or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.
"Countervailing duties"	are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally
"Country of origin"	means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
"Day"	means calendar day.
"Delivery"	means delivery in compliance of the conditions of the contract or order.
"Delivery ex stock"	means immediate delivery directly from stock actually on hand
"Delivery into consignees store or to his site"	means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.
"Dumping"	occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.
"Force majeure"	means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
"Fraudulent practice"	means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.
"GCC"	means the General Conditions of Contract.
"Goods"	means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.
"Imported content"	means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation

	costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the supplies covered by the bid will be manufactured.
"Local content"	means that portion of the bidding price which is not included in the imported content provided that local manufacture does take place.
"Manufacture"	means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.
"Order"	means an official written order issued for the supply of goods or works or the rendering of a service.
"Project site"	where applicable, means the place indicated in bidding documents.
"Purchaser"	means the organization purchasing the goods.
"Republic"	means the Republic of South Africa.
"SCC"	means the Special Conditions of Contract.
"Services"	means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such obligations of the supplier covered under the contract.
"Supplier"	means the successful bidder who is awarded the contract to maintain and administer the required and specified service(s) to the State.
"Tort"	means in breach of contract.
"Turnkey"	means a procurement process where one service provider assumes total responsibility for all aspects of the project and delivers the full end product / service required by the contract.
"Written" or "in writing"	means handwritten in ink or any form of electronic or mechanical writing.
2. Application	
<p>2.1. These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services, sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.</p> <p>2.2. Where applicable, special conditions of contract are also laid down to cover specific supplies, services or works.</p> <p>2.3. Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.</p>	
3. General	
<p>3.1. Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.</p> <p>3.2. Invitations to bid are usually published in locally distributed news media and on the municipality / municipal entity website.</p>	
4. Standards	
<p>4.1. The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.</p>	
5. Use of contract documents and information; inspection.	
<p>5.1. The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such</p>	

<p>employed person shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.</p> <p>5.2. The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.</p> <p>5.3. Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.</p> <p>5.4. The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.</p>
<p>6. Patent rights</p>
<p>6.1. The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.</p> <p>6.2. When a supplier developed documentation / projects for the municipality / municipal entity, the intellectual, copy and patent rights or ownership of such documents or projects will vest in the municipality / municipal entity.</p>
<p>7. Performance security</p>
<p>7.1. Within thirty (30) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.</p> <p>7.2. The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.</p> <p>7.3. The performance security shall be denominated in the currency of the contract or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms:</p> <p>7.3.1. bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or</p> <p>7.3.2. a cashier's or certified cheque</p> <p>7.4. The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified.</p>
<p>8. Inspections, tests and analyses</p>
<p>8.1. All pre-bidding testing will be for the account of the bidder.</p> <p>8.2. If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspections tests and analysis, the bidder or contractor's premises shall be open, at all reasonable hours, for inspection by a representative of the purchaser or an organization acting on behalf of the purchaser.</p> <p>8.3. If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.</p> <p>8.4. If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the goods to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.</p> <p>8.5. Where the goods or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such goods or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.</p> <p>8.6. Supplies and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.</p> <p>8.7. Any contract goods may on or after delivery be inspected, tested or analyzed and may be rejected if found not to comply with the requirements of the contract. Such rejected goods shall be held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with goods which do comply with the requirements of the contract. Failing such removal the rejected goods shall be returned at the</p>

<p>suppliers cost and risk. Should the supplier fail to provide the substitute goods forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected goods, purchase such goods as may be necessary at the expense of the supplier.</p> <p>8.8. The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract on account of a breach of the conditions thereof, or to act in terms of Clause 22 of GCC.</p>
9. Packing
<p>9.1. The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.</p> <p>9.2. The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, and in any subsequent instructions ordered by the purchaser.</p>
10. Delivery
<p>10.1. Delivery of the goods shall be made by the supplier in accordance with the documents and terms specified in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified.</p>
11. Insurance
<p>11.1. The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified.</p>
12. Transportation
<p>12.1. Should a price other than an all-inclusive delivered price be required, this shall be specified.</p>
13. Incidental
<p>13.1. The supplier may be required to provide any or all of the following services, including additional services, if any:</p> <ul style="list-style-type: none"> 13.1.1. performance or supervision of on-site assembly and/or commissioning of the supplied goods; 13.1.2. furnishing of tools required for assembly and/or maintenance of the supplied goods; 13.1.3. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods; 13.1.4. performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and 13.1.5. training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods. <p>13.2. Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.</p>
14. Spare parts
<p>14.1. As specified, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:</p> <ul style="list-style-type: none"> 14.1.1. such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and 14.1.2. in the event of termination of production of the spare parts: <ul style="list-style-type: none"> 14.1.2.1. advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and

14.1.2.2. following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.
15. Warranty
<p>15.1. The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.</p> <p>15.2. This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.</p> <p>15.3. The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.</p> <p>15.4. Upon receipt of such notice, the supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.</p> <p>15.5. If the supplier, having been notified, fails to remedy the defect(s) within the period specified, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.</p>
16. Payment
<p>16.1. The method and conditions of payment to be made to the supplier under this contract shall be specified.</p> <p>16.2. The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfilment of other obligations stipulated in the contract.</p> <p>16.3. Payments shall be made by the purchaser no later than thirty (30) days after submission of an invoice, statement or claim by the supplier.</p> <p>16.4. Payment will be made in Rand unless otherwise stipulated.</p>
17. Prices
<p>17.1. Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices quoted by the supplier in his bid, with the exception of any price adjustments authorized or in the purchaser's request for bid validity extension, as the case may be.</p>
18. Variation orders
<p>18.1. In cases where the estimated value of the envisaged changes in purchase does not vary more than 15% of the total value of the original contract, the contractor may be instructed to deliver the goods or render the services as such. In cases of measurable quantities, the contractor may be approached to reduce the unit price and such offers, may be accepted provided that there is no escalation in price.</p>
19. Assignment
<p>19.1. The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.</p>
20. Subcontracts
<p>20.1. The supplier shall notify the purchaser in writing of all subcontracts awarded under this contract, if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract.</p>
21. Delays in the supplier's performance

- 21.1. Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.
- 21.2. If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.
- 21.3. The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.
- 21.4. Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 22 without the application of penalties.
- 21.5. Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without cancelling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.

22. Penalties

- 22.1. Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.

23. Termination for default

- 23.1. The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:
 - 23.1.1. if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2;
 - 23.1.2. if the Supplier fails to perform any other obligation(s) under the contract; or
 - 23.1.3. if the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.
- 23.2. In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.
- 23.3. Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.
- 23.4. If a purchaser intends imposing a restriction on a supplier or any person associated with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated fourteen (14) days the purchaser may regard the supplier as having no objection and proceed with the restriction.
- 23.5. Any restriction imposed on any person by the purchaser will, at the discretion of the purchaser, also be applicable to any other enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the

<p>first-mentioned person, and with which enterprise or person the first-mentioned person, is or was in the opinion of the purchaser actively associated.</p> <p>23.6. If a restriction is imposed, the purchaser must, within five (5) working days of such imposition, furnish the National Treasury, with the following information:</p> <p>23.6.1. the name and address of the supplier and / or person restricted by the purchaser;</p> <p>23.6.2. the date of commencement of the restriction</p> <p>23.6.3. the period of restriction; and</p> <p>23.6.4. the reasons for the restriction.</p> <p>These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector.</p> <p>23.7. If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period not less than five years and not more than 10 years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its own merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.</p>	
24. Anti-dumping and countervailing duties and rights	
<p>24.1. When, after the date of bid, provisional payments are required, or antidumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall on demand be paid forthwith by the contractor to the State or the State may deduct such amounts from moneys (if any) which may otherwise be due to the contractor in regard to supplies or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which may be due to him.</p>	
25. Force Majeure	
<p>25.1. Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.</p> <p>25.2. If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.</p>	
26. Termination for insolvency	
<p>26.1. The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.</p>	
27. Settlement of Disputes	
<p>27.1. If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.</p> <p>27.2. If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.</p> <p>27.3. Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.</p>	

<p>27.4. Notwithstanding any reference to mediation and/or court proceedings herein,</p> <p>27.4.1. the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and</p> <p>27.4.2. the purchaser shall pay the supplier any monies due for goods delivered and / or services rendered according to the prescripts of the contract.</p>
28. Limitation of liability
<p>28.1. Except in cases of criminal negligence or wilful misconduct, and in the case of infringement pursuant to Clause 6;</p> <p>28.1.1. the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and</p> <p>28.1.2. the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.</p>
29. Governing language
<p>29.1. The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.</p>
30. Applicable law
<p>30.1. The contract shall be interpreted in accordance with South African laws, unless otherwise specified.</p>
31. Notices
<p>31.1. Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice</p> <p>31.2. The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.</p>
32. Taxes and duties
<p>32.1. A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.</p> <p>32.2. A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.</p> <p>32.3. No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid SARS must have certified that the tax matters of the preferred bidder are in order.</p> <p>32.4. No contract shall be concluded with any bidder whose municipal rates and taxes and municipal services charges are in arrears.</p>
33. Transfer of contracts
<p>33.1. The contractor shall not abandon, transfer, cede, assign or sublet a contract or part thereof without the written permission of the purchaser.</p>
34. Amendment of contracts
<p>34.1. No agreement to amend or vary a contract or order or the conditions, stipulations or provisions thereof shall be valid and of any force unless such agreement to amend or vary is entered into in writing and signed by the contracting parties. Any waiver of the requirement that the agreement to amend or vary shall be in writing, shall also be in writing.</p>
35. Prohibition of restrictive practices
<p>35.1. In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder(s) is / are or a contractor(s) was / were involved in collusive bidding.</p>

- 35.2. If a bidder(s) or contractor(s) based on reasonable grounds or evidence obtained by the purchaser has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in section 59 of the Competition Act No 89 Of 1998.
- 35.3. If a bidder(s) or contractor(s) has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned.

General Conditions of Contract (revised July 2010)

KNYSNA MUNICIPALITY	
TENDER SPECIFICATIONS	
TENDER NUMBER:	T19 of 2021/22
TENDER DESCRIPTION:	SUPPLY AND DELIVERY OF VARIOUS ELECTRICAL METERS FOR A PERIOD OF THREE (3) YEARS.

SPECIAL CONDITIONS

- A distributor must attach a letter from the manufacture stating that he/she is authorized to distribute their products.
- Meters to be supplied must be TID (Token Identifier) rollover compliant with key revision 2 (KRV2)

GUARANTEE

All equipment supplied, shall be guaranteed against all defects for a minimum period of twelve (12) months from date of arrival of each unit on site.

DELIVERY

Bidders must make provision for supply, delivery and offloading cost within the price. The goods must be delivered/offloaded to **Knysna Municipal Stores, 18 Fechter Street, Industrial Area, Knysna.**

I, the undersigned, have read and understand the conditions given above:		
COMPANY	SIGNATURE OF TENDERER	DATE

TENDER DESCRIPTION:		SUPPLY AND DELIVERY OF VARIOUS ELECTRICAL METERS FOR A PERIOD OF THREE (3) YEARS.	
1. Background			
1.1.	Knysna Municipality currently supplies electricity through various electrical meters. There are a variety of meters that the municipality needs to maintain to ensure that energy consumption.		
2. Current State			
2.1.	There is currently a need in the municipality to supply electricity meters for customers ranging from single phase split meter through to large power users with some ancillary equipment specifically relating to existing Bulk consumer installations as per the below specifications		
3. Scope of Work			
3.1	This specification provides for the supply, delivery and off-loading of various electricity meters as per price schedule. Tenderer must tender for both the main item and any sub items required in order for the unit to operate as required. Actual quantities are not available, as the Knysna Municipality will procure on an as and when required basis in line with operational requirements. SPECIFIC REQUIREMENTS FOR ITEMS IN THE SCHEDULE OF QUANTITIES The descriptions below are to assist the tenderer to identify specific requirements for the items listed in the pricing Schedule. <ul style="list-style-type: none">• Fill in the make and model offered• Tick either the “Comply” or “Do Not Comply box for each of the requirements• Non-compliance may invalidate your offer for the item. There are various meter types that will be required:		
1.1.	ITEM 1: SINGLE PHASE SPLIT METER BS PLC		
	Item 1.1 Split BS Meter, 80Amp, PLC		
MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1.	The meter shall consist of a MCU without UIU.		
2.	The meter complies with SANS 1524-1: Electricity payment system, Prepayment meters		
2.1	If “ do not comply “ is ticked above the list the non-complaint clauses below:		
3.	The meter complies with Eskom's Standard St 240-76625601 “Particular Requirements for Prepayment meters”		
3.1	If “Do not Comply is ticked above, then list the non-complaint clauses below.		

4.	Communication between the MCU and the UIU shall be by means of OFDM based Power Line Communication, using existing household wiring, No additional communication wires shall be required.		
5	No additional noise filters shall be required		
6	The MCU and UIU shall communicate over power lines for a distance of less Than 100m.		
7.	The base of the MCU shall conform to the BS 7856 enclosure, terminal And spacing arrangement.		
8.	The meter shall have a certificate of compliance for SABS 1524- 1 and bear the SABS mark.		
9.	The meter shall have a certificate of compliance from the STS Association and STS mark		
10.	The meter shall have a failure rate of less than 0.5 percent per annum		
11.	The meter shall be supplied with two meter ID cards		
12.	The meter serial numbers shall be printed in barcode, code 128 C symbology on the face of each ID card. No space characters shall be used		
13.	The installation kit shall include four barcode meter serial number stickers		
14.	Delivery within six weeks from weeks date of order is guaranteed for quantities up to 200		
15.	The meter shall have a five year repair or place warranty.		
16.	We have Itron (AC9000 split single phase PLC meter) and Conlog (WBEC44 RF& WBEC44X) Split meter existing on our networks, the split meter to be supplied must not interfere with communication of the existing split meters when place in the same kiosk or pole box (vice versa).		

ITEM 1.2: UIU FOR SPLIT PREPAYMENT METER PLC

PLC UIU for Item 1.1 above

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1.	The UIU shall connect to an existing mains outlet in the household. Under normal conditions when there is sufficient credit in meter, the customer interface unit shall operate from main supply.		
2.	In the event that the meter credit expires and the meter disconnects power to the load, the UIU shall be capable of operating from standard AA Alkaline batteries.		
2.1	If "do not comply "is ticked above, then provide explanatory information below.		
4.	The UIU shall communicate with the MCU over power line for a distance of not less than 100m		
5	The UIU shall have a failure rate of less than 0.5 percent per annum		
6	The UIU shall have a unique barcode serial number applied to the near cover of the unit		
7.	Delivery within six weeks from date of order is guaranteed for quantities up to 200		
8.	The UIU shall have a five year repair or replace warranty.		

ITEM 1.3: UIU FOR SPLIT PREPAYMENT METER PLC

PLC Combination of MCU and UIU Item 1.1 and 1.2 Above

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply

1.	Tenders shall offer the MCU and as a combined unit.		
2.	Each of the items shall conform to the individual requirements as stated.		
ITEM 2: SINGLE PHASE SPLIT METER DIN – RAIL PLC			
Item 2.1: Split Meter Din Rail-80Amp, PLC			
MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1.	The meter shall consist of a MCU without UIU.		
2.	The meter complies with SANS 1524-1: Electricity payments system, Prepayment Meters.		
2.1	If “ Do not Comply “ is ticked above, then list the non- complain clauses below:		
3.	The meter complies with Eskom’s Standard ST 240-76625601 “ Particular Requirements for Prepayment meters”		
3.1	If “Do not Comply “ is ticked above, then list the non-compliant clauses below:		
4.	Communication between the MCU and the UIU shall be by means of OFDM Based Power Line communication, using existing house wiring. No additional communication wires shall be required		
5	No additional noise filters shall be required		
6	The MCU and UIU shall communicate over power lines for a distance of not less than 100m		
7.	The MCU shall be suitable for rail mounting and shall fit on the standard 35mm DIN rail.		
8.	The MCU shall have terminals as follows (Tick below which lay-out applies		
	Top: Live-in, Neutral-in; Bottom: Live-out, or;		
	Bottom: ive-in, Live-out and Neutral-in, Neutral out		
9.	MCU dimension including DIN rail clip, shall not exceed:		
	Height = 150mm;		
	Width = 50mm;		
	Depth = 90mm;		
11.	The meter shall have a certificate of compliance for SABS 1524-1 and bear SABS mark		
12.	The meter shall have a certificate of compliance from the STS Association and bear the STS mark		
13.	The meter shall be supplied with two meter ID cards		
14.	The installation kit shall include four barcode meter serial number stickers		
15.	Delivery within six weeks from date of order is guaranteed for quantities up to 200		
16	The Meter shall have a failure rate of less than 0,5 percent per annum		
17.	The meter shall have a five year repair or replace warranty.		
18.	We have Itron (AC9000 split single phase PLC meter) and Conlog (WBEC44 RF& WBEC44X) Split meter existing on our networks, the split		

	meter to be supplied must not interfere with communication of the existing split meters when place in the same kiosk or pole box (vice versa).		
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Item 2.2: PLC UIU for Item 2.1 above

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1.	The UIU shall connect to an existing mains outlet in the household. Under normal conditions when there is sufficient credit in meter, the customer interface unit shall operate from main supply.		
2.	In the event that the meter credit expires and the meter disconnects power to the load, the UIU shall be capable of operating from standard AA Alkaline batteries.		
2.1	If “do not comply “is ticked above, then provide explanatory information below.		
4.	The UIU shall communicate with the MCU over power line for a distance of not less than 100m		
5	The UIU shall have a failure rate of less than 0.5 percent per annum		
6	The UIU shall have a unique barcode serial number applied to the near cover of the unit		
7.	Delivery within six weeks from date of order is guaranteed for quantities up to 200		
8.	The UIU shall have a five year repair or replace warranty.		

Item 2.3: PLC Combination of MCU and UIU Item 2.1 and 2.2 Above

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1.	Tenders shall offer the MCU and as a combined unit.		
2.	Each of the items shall conform to the individual requirements as stated.		

ITEM 3: SINGLE PHASE SPLIT METERS BS – RF

Item 3.1: Split Meter BS-80Amp, RF

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1.	The meter shall consist of a MCU without UIU.		
2.	The meter complies with SANS 1524-1: Electricity payments system, Prepayment Meters.		
2.1	If “ Do not Comply “ is ticked above, then list the non- complain clauses below:		
3.	The meter complies with Eskom’s Standard ST 240-76625601 “ Particular Requirements for Prepayment meters”		
3.1	If “Do not Comply “ is ticked above, then list the non-compliant clauses below:		

4.	The UIU shall communicate with the MCU Using radio frequency (Rf) for a distance of not less than 100mm for line-of-sight and 50m inside brick and concrete built environment.		
5	The radio RF port shall operate within the license free band		
6	The base of the MCU shall confirm to the BS 7856 enclosure, terminal spacing and mounting arrangement.		
7.	The meter shall be supplied with two meter ID cards		
8.	The meter serial numbers shall be printed in barcode, code 128 C symbology on the face of each ID card. No space characters shall be used		
9.	The meter shall have a certificate of compliance from the STS Association and bear the STS mark		
10.	The installation Kit shall include four barcode meter serial number stickers		
11	Delivery within six weeks from date of order is guaranteed for quantities up to 200		
12	The meter shall have a failure rate of less than 0.5 percent per annum		
13.	The meter shall have five year repair or replace warranty.		
14.	We have Itron (AC9000 split single phase PLC meter) and Conlog (WBEC44 RF& WBEC44X) Split meter existing on our networks, the split meter to be supplied must not interfere with communication of the existing split meters when place in the same kiosk or pole box (vice versa).		

Item 3.2: RF UIU for Item 3.1 above

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1.	The UIU operate from standard AA Alkaline batteries		
1.1	If "do not comply "is ticked above, then provide explanatory information below		
2.	The UIU shall communicate with the MCU for a distance of not less than 100mm for line-of-sight and 50m inside brick and concrete built environment		
3.	The radio RF port shall operate within the license free band		
4.	The UIU shall have a failure rate of less than 0.5 percent per annum		
5.	Delivery within six weeks from date of order is guaranteed for quantities up to 200		
6.	The UIU shall have a five year repair or replace warranty.		

Item 3.3: RF Combination of MCU and UIU Item 3.1 and 3.2 Above

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1.	Tenders shall offer the MCU and as a combined unit.		
2.	Each of the items shall conform to the individual requirements as stated.		

ITEM 4: SINGLE PHASE SPLIT METERS DIN RAIL – RF

Item 4.1: Split Meter Din Rail-80Amp, RF

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1.	The meter shall consist of a MCU without UIU.		
2.	The meter complies with SANS 1524-1: Electricity payments system, Prepayment Meters.		

2.1	If “ Do not Comply “ is ticked above, then list the non- complain clauses below:		
3.	The meter complies with Eskom’s Standard ST 240-76625601 “ Particular Requirements for Prepayment meters”		
3.1	If “Do not Comply “ is ticked above, then list the non-compliant clauses below:		
4.	The UIU shall communicate with the MCU Using radio frequency (Rf) for a distance of not less than 100mm for line-of-sight and 50m inside brick and concrete built environment.		
5	The radio RF port shall operate within the license free band		
6	The base of the MCU shall confirm to the BS 7856 enclosure, terminal spacing and mounting arrangement.		
7	The MCU shall be suitable for rail mounting and shall fit on the standard 35mm DIN rail.		
8	The MCU shall have terminals as follows (Tick below which lay-out applies		
	Top: Live-in, Neutral-in; Bottom: Live-out, or;		
	Bottom: ive-in, Live-out and Neutral-in, Neutral out		
9	MCU dimension including DIN rail clip, shall not exceed:		
	Height = 150mm;		
	Width = 50mm;		
	Depth = 90mm;		
10.	The meter shall be supplied with two meter ID cards		
11	The meter serial numbers shall be printed in barcode, code 128 C symbology on the face of each ID card. No space characters shall be used		
12	The meter shall have a certificate of compliance from the STS Association and bear the STS mark		
13.	The installation Kit shall include four barcode meter serial number stickers		
14	Delivery within six weeks from date of order is guaranteed for quantities up to 200		
15	The meter shall have a failure rate of less than 0.5 percent per annum		
16	The meter shall have five year repair or replace warranty.		
17	We have Itron (AC9000 split single phase PLC meter) and Conlog (WBEC44 RF& WBEC44X) Split meter existing on our networks, the split meter to be supplied must not interfere with communication of the existing split meters when place in the same kiosk or pole box (vice versa).		

Item 4.2: RF UIU for Item 4.1 above

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1.	The UIU operate from standard AA Alkaline batteries		
1.1	If “do not comply “is ticked above, then provide explanatory information below		
2.	The UIU shall communicate with the MCU for a distance of not less than 100mm for line-of-sight and 50m inside brick and concrete built environment		
3.	The radio RF port shall operate within the license free band		
4.	The UIU shall have a failure rate of less than 0.5 percent per annum		
5.	Delivery within six weeks from date of order is guaranteed for quantities up to 200		
6.	The UIU shall have a five year repair or replace warranty.		

Item 4.3: RF Combination of MCU and UIU Item 4.1 and 4.2 Above

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1.	Tenders shall offer the MCU and as a combined unit.		
2.	Each of the items shall conform to the individual requirements as stated.		

ITEM 5: THREE PHASE SPLIT METER BS PLC**Item 5.1 Split BS Meter, 100Amp, PLC**

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1.	The meter shall consist of a MCU without UIU.		
2.	The meter complies with SANS 1524-1: Electricity payment system, Prepayment meters		
2.1	If "do not comply" is ticked above the list the non-complaint clauses below:		
3.	The meter complies with Eskom's Standard St 240-76625601 "Particular Requirements for Prepayment meters"		
3.1	If "Do not Comply is ticked above, then list the non-complaint clauses below.		
4.	Communication between the MCU and the UIU shall be by means of OFDM based Power Line Communication, using existing household wiring, No additional communication wires shall be required.		
5	No additional noise filters shall be required		
6	The MCU and UIU shall communicate over power lines for a distance of less Than 100m.		
7.	The base of the MCU shall conform to the BS 7856 enclosure and mounting arrangement. The terminals position and spacing shall be according to the same BS requirements		
	MCU dimension including DIN rail clip, shall not exceed:		
	Height = 345mm;		
	Width = 180mm;		
	Depth = 90mm;		
8.	The meter shall have a certificate of compliance for SABS 1524- 1 and bear the SABS mark.		
9.	The meter shall have a certificate of compliance from the STS Association and STS mark		
10.	The meter shall have a failure rate of less than 0.5 percent per annum		
11.	The meter shall be supplied with two meter ID cards		
12.	The meter serial numbers shall be printed in barcode, code 128 C symbology on the face of each ID card. No space characters shall be used		
13.	The installation kit shall include four barcode meter serial number stickers		
14.	Delivery within six weeks from weeks date of order is guaranteed for quantities up to 20		
15.	The meter shall have a five year repair or place warranty.		

ITEM 5.2: UIU FOR SPLIT PREPAYMENT METER PLC**PLC UIU for Item 5.1 above**

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1.	The UIU shall connect to an existing mains outlet in the household. Under normal conditions when there is sufficient credit in meter, the customer interface unit shall operate from main supply.		
2.	In the event that the meter credit expires and the meter disconnects power to the load, the UIU shall be capable of operating from standard AA Alkaline batteries.		
2.1	If "do not comply" is ticked above, then provide explanatory information below.		
4.	The UIU shall communicate with the MCU over power line for a distance of not less than 100m		
5	The UIU shall have a failure rate of less than 0.5 percent per annum		
6	The UIU shall have a unique barcode serial number applied to the near cover of the unit		
7.	Delivery within six weeks from date of order is guaranteed for quantities up to 20		
8.	The UIU shall have a five year repair or replace warranty.		

ITEM 5.3: UIU FOR SPLIT PREPAYMENT METER PLC**PLC Combination of MCU and UIU Item 5.1 and 5.2 Above**

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1.	Tenders shall offer the MCU and as a combined unit.		
2.	Each of the items shall conform to the individual requirements as stated.		

ITEM 6: THREE PHASE SPLIT METERS BS – RF**Item 6.1: Split Meter BS-100Amp, RF**

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1.	The meter shall consist of a MCU without UIU.		
2.	The meter complies with SANS 1524-1: Electricity payments system, Prepayment Meters.		
2.1	If "Do not Comply" is ticked above, then list the non-complain clauses below:		
3.	The meter complies with Eskom's Standard ST 240-76625601 "Particular Requirements for Prepayment meters"		
3.1	If "Do not Comply" is ticked above, then list the non-compliant clauses below:		

4.	The UIU shall communicate with the MCU Using radio frequency (Rf) for a distance of not less than 100mm for line-of-sight and 50m inside brick and concrete built environment.		
5	The radio RF port shall operate within the license free band		
6	The base of the MCU shall confirm to the BS 7856 enclosure, terminal spacing and mounting arrangement.		
	MCU dimension including DIN rail clip, shall not exceed:		
	Height = 345mm;		
	Width = 180mm;		
	Depth = 90mm;		
7.	The meter shall be supplied with two meter ID cards		
8.	The meter serial numbers shall be printed in barcode, code 128 C symbology on the face of each ID card. No space characters shall be used		
9.	The meter shall have a certificate of compliance from the STS Association and bear the STS mark		
10.	The installation Kit shall include four barcode meter serial number stickers		
11	Delivery within six weeks from date of order is guaranteed for quantities up to 20		
12	The meter shall have a failure rate of less than 0.5 percent per annum		
13.	The meter shall have five year repair or replace warranty.		

Item 6.2: RF UIU for Item 6.1 above

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1.	The UIU operate from standard AA Alkaline batteries		
1.1	If "do not comply" is ticked above, then provide explanatory information below		
2.	The UIU shall communicate with the MCU for a distance of not less than 100mm for line-of-sight and 50m inside brick and concrete built environment		
3.	The radio RF port shall operate within the license free band		
4.	The UIU shall have a failure rate of less than 0.5 percent per annum		
5.	Delivery within six weeks from date of order is guaranteed for quantities up to 200		
6.	The UIU shall have a five year repair or replace warranty.		

Item 6.3: RF Combination of MCU and UIU Item 6.1 and 6.2 Above

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1.	Tenders shall offer the MCU and as a combined unit.		
2.	Each of the items shall conform to the individual requirements as stated.		

ITEM 7: SMART PREPAYMENT METERING

The requirements for smart split prepayment meter contained below takes into consideration that NRS 049:2016 Advance Metering Infrastructure, Requirements for Smart Metering System was only recently published and that complaint metering system will only become available at a later stage.

This enquiry is for meters and concentrators which at this time may employ manufacturer specific protocols. Preferences will however be afforded to systems that employ open standard DLMS, COSEM, IDIS and STS with remote re-programming facilities to ensure Interoperability between systems at a later time. Until interoperability between systems have been finalized and proven, no HES will be procured and the KNYSNA MUNICIPALITY will require from tenders to make their meter and concentrator protocols available to the KNYSNA MUNICIPALITY 's Automated Meter Reading System provider for the developments of transfer interface conversion file required to allow remote interrogation of their meters and concentrators. Mutual non-disclosure agreement between affected parties may be negotiated outside of this contract.

- Tick either the "Comply or Do Not Comply" box for each of the requirements in the table below
- Non-compliance to any of the clauses below shall invalidate your offer for the items listed under the Smart Prepayment section

MAKE AND MODEL OFFERED NEEDED			
No	Requirement	Comply	Do Not Comply
1.	Manufacturers shall make their meter software protocols available at no cost to the supplier of the KNYSNA MUNICIPALITY's Automated Meter Readings System for the development of transfer interface conversion files required to allow remote interrogation of their smart prepayment meters and data concentrators.		
2.	Knysna Municipality shall have access to all relevant software password/security meters and data concentrators		
3.	Software to program, interrogate, operate, manage and maintain the smart prepayment meters and data concentrators shall be made available to the KNYSNA MUNICIPALITY at no cost		

Item 7.1

Smart Prepayment Meter, Single Phase, 80 Ampere, Din-Rail, PLC

MAKE AND MODEL OFFERED NEEDED			
No	Requirement	Comply	Do Not Comply
1	The meter shall consist of a MCU complete with UIU		
2.	The complies with SANS 1524-1: electrical payment systems, Prepayment Meters		
2.1	If "Do not Comply" is ticked above, then list the non-compliant clauses below:		
3.	The meter complies with Eskom's Standard ST 240-76625601 "Particular Requirements for Prepayments meters"		
3.1	If "Do not Comply" is ticked above, then list the non-compliant clauses below:		

4.	Communication between the MCU and the UIU shall be by means of OFDM based Power Line Communication, preferably G3-PLC using existing household wiring. No additional communication wire shall be required.	
5.	No additional noise shall be required	
6.	The MCU and UIU shall be communicated over power lines for a distance of not less than 100m	
7.	The MCU shall be suitable for rail mounting and shall fit on the standard 35mm DIN rail.	
8.	The MCU shall have terminals as follow (Tick below which lay-out applies)	
	Top: Live-in, Neutral-in; Bottom: Live out	
	Or	
	Bottom: Live-in, Live-out and Neutral-in, Neutral-out.	
9.	The MCU dimension including DIN rail clip, shall not exceed:	
	Height = 150 mm;	
	Width = 55 mm	
	Depth = 90 mm	
10.	The meter shall have a certificate of compliance for SABS 1524-1 and bear the STS mark	
11.	The meter shall have a certificate of compliance from the STS Assassination and bear the STS mark	
12.	The meter shall be supplied with two meter ID cards	
13.	The meter serial number shall be printed in barcode, code 128C symbology on the face of each ID card. No space characters shall be used	
14.	The meter installation kit shall include four barcode meter serial number stickers	
15.	Communication between the MCU and the Data Concentrator shall be by means of OFDM based Power Line Communication, preferably G3-PLC using existing wiring. No additional communication wire shall be required.	
16.	No additional noise filters shall be required	
17.	The MCU and Data Concentrator shall communicate over power lines for distance of not less than 100m	
18.	The UIU shall connect to an existing mains outlet in the household. Under normal conditions when there is sufficient credit in the meter, the customer interface unit shall operate directly from main supply.	
19.	In the event that the meter credit expires and the meter disconnects power to the load, the UIU shall be capable of operating from standard AA Alkaline batteries.	
	If "Do not comply" is ticked above, then provide explanatory information below:	
20.	The meter shall be capable of detecting, storing and sending notifications to the HES when the terminal cover is opened.	

21.	The meter shall be capable of detecting, storing and sending notifications to the HES when it detects any software manipulation.	
22.	The meter shall be capable detecting, storing and sending notifications to the HES When it senses voltage on the load side when the breaker is open	
23.	In the lines below, please indicate which of the following options are supported:	
	The system Communication protocols are based on DLMS/COSEM	
	The meter is IDIS approved and bears the IDIS mark	
	Has a battery-backed Internal clock	
	STS compliant for currency tokens	
	Supports Time-of-use tariffs	
	Can operate in post-payment mode	
	Can be remotely configured between post-payments and prepayment modes	
	Auto registration with the Data Concentrator	
	Supports remote software upgrades	
	Supports remote configure change, clock set, tariff change, alarm reporting	
	Has a local communication port for information transfers between the meter and devices connected to the port	
	Has appliance control capability	
	Supports load limiting through the HES	
	Supports load disconnect and reconnect through the HES	
	Supports bi-directional metering	
	Supports token credit token forwarding through the HES	
24.	Delivery within six weeks from date of order is guaranteed for quantities up to 500	
25.	The MCU and UIU shall have a failure rate less than 0,5 percent per annum	
26.	The MCU and UIU shall have a five year repair or replace warranty	

Item 7.2:

Data Concentrator Unit (DCU) for Item 7.1 (PLC)

The Data Concentrator specified below is to provide a platform for two-way communication for data up- and downloads between the meters above and the KNYSNA MUNICIPALITY 's existing Head End System (HES)

MAKE AND MODEL OFFERED NEEDED

No	Requirements	Comply	Do Not Comply
1.	The DCU shall support 3G and fail-back to GPRS communications between itself and the HES		
2.	Shall support Power Line Communication (PLC) between itself and the meter above		
3.	Support auto registration of the meters connected to the DCU		

4.	The DCU shall be supplied complete with power supply, external magnetic base or patch antenna		
5.	The DCU shall incorporate an Ethernet, USB or RS 485 port for interfacing with any other future communication technology and/or for programming and interrogation purposes		
6.	The electrical, mechanical and climate requirements for the DCU shall be in accordance with SANS 62052-11		
7.	The DCU shall in addition comply with SANS 474 for Bulk Metering		
8.	Shall have a battery backed internal Real Time Clock		
9.	The DCU shall be able to support at least 500 connected meter		
10.	It shall be possible to update the DCU software/firmware remotely from the HES via the connected communication medium of directly via the Ethernet, USB or RS 485 port		
11.	The DCU shall store all initialization and current parameters in non-volatile memory. The memory shall allow for storage of APN information such as username, password etc required for automatically registering and connecting to the APN after power failure and/or network failure		
12.	The DCU shall be capable of monitoring the 3G/GPRS connection and automatically detach and reconnect to the APN. Detach/attach periods shall be configurable within the DCU software/firmware and be remotely programmable.		
13.	The DCU shall be capable of monitoring and reporting local health and tamper condition to the HES		
14.	Auto registration upon installation to the HES		
15.	The DCU shall support outage detection with last-grasp event push capability		
16.	Shall have a five year repair or replace warranty		

Item 7.3:

Smart Prepayment Meter, Single Phase, 80 Ampere, DIN-Rail, RF

MAKE AND MODEL OFFERED NEEDED			
No	Requirements	Comply	Do Not Comply
1.	The meter shall consist of a MCU complete with UIU		
2.	The meter complies with SANS 1524-1: Electricity payment system, Prepayment meters		
2.1	If "Do not Comply" is ticked above, then list the non-compliant clauses below:		
3.	The meter complies with Eskom's Standard ST 240-76625601 "Particular Requirements for Prepayment meters"		
3.1	If "Do not Comply" is ticked above, then list the non-compliant clauses below:		

4.	The UIU shall operate from standard AA Alkaline batteries		
4.1	If "Do not comply is ticked, then provide explanatory information below.		
5.	The MCU shall be suitable for rail mounting and shall fit on the standard 35mm DIN rail.		
6.	The MCU shall have terminals as follows (Tick below which lay-out applies)		
	Top: Live-in, Neutral-in; Bottom: Live-out.		
	Or		
	Bottom: Live-in, Live-out and Neutral-in, Neutral-out		
7.	The MCU dimensions including DIN rail clip, shall not exceed:		
	Height = 150 mm		
	Width = 55 mm		
	Depth = 90 mm		
8.	The meter shall have a certificate of compliance for SABS 1524-1 and bear the SABS mark		
9.	The meter shall have a certificate of compliance from the STS Association and bear the STS mark		
10.	The meter shall be supplied with two meter ID cards		
11.	The meter serial number shall be printed in barcode, code 128C symbology on the face of each ID card. No space characters shall be used		
12.	The installation kit shall include four barcode meter serial number stickers		
13.	Communication between the MCU and the Data Concentrator shall be by means of radio frequency (RF)		
14.	The radio RF port shall operate within the license free band		
15.	The MCU data Concentrator shall communicate over a distance of not less than 100m.		
16.	The meter shall be capable of detecting, storing and sending notification to the HES when the terminal cover is opened.		
17.	The meter shall be capable of detecting, storing and sending notification to the HES when it senses voltage on the load side when the breaker is open		
19.	In the lines below, please indicate which of the following options are supported:		
	The system Communications protocols are based on DLMS/COSEM		
	The meter is IDIS approved and bears the IDIS mark		
	Has a battery-backed internal clock		
	STS compliant for currency tokens		
	Supports Time-of-Use tariffs		
	Can operate in post-payment mode		
	Can be remotely configured between post-payment modes		
	Auto registering with Data Concentrator		

	Support remote software upgrades		
	Supports remote configuration change, clock set, tariff change, alarm reporting		
	Local communication port for information transfers between the meter and devices connected to the port		
	Has appliance control capability through the HES		
	Support load limiting through the HES		
	Support load disconnect and reconnect through the HES		
	Support Bi-directional metering		
	Support token credit token forwarding through the HES		
20.	Delivery within six weeks from date of order is guaranteed for quantities up to 200		
21.	The MCU and UIU shall have a failure rate of less than 0.5 percent per annum		
22.	The MCU and UIU shall have a five year repair or replace warranty		

Item 7.4

Data Concentrator Unit (DCU) for Item 10.3 (RF)

The Data Concentrator specified below is to provide a platform for two-way communications for data up- and downloads between the meters above and the KNYSNA MUNICIPALITY 's existing Head End System (HES)

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1.	The DCU shall support 3G and fall-back to GPRS communications between itself and the HES		
2.	Shall support Radio Frequency (RF) communications between itself and the meter above		
3.	Support auto registration of the meters connected to the DCU		
4.	The DCU shall be supplied with complete power supply, external magnetic base or patch antenna.		
5.	The DCU shall incorporate and Ethernet, USB or RS 485 port for interfacing with any other future communication technology and/or for programming and interrogation purposes		
6.	The electrical, mechanical and climax requirements for the DCU shall be in accordance with SANS 62052-11		
7.	The DCU shall in addition comply with SANS 474 for Bulk Metering		
8.	Shall have a battery backed internal Real Time Clock		
9.	The DCU shall be able to support at least 500 connected meters		
10.	It shall be possible to update the DCU software/firmware remotely from the HES via the connected communication medium or directly via the Ethernet, USB or RS 485 port		
11.	The DCU shall store all initializing and current parameter in non-volatile memory.		

	The memory shall allow for the storage of APN information such as username, password etc required for automatically registration and connection to the APN after power failure and/or network failure		
12.	The DCU shall be capable of monitoring the 3G/GPRS connection and automatically detach and reconnect to the APN. Detach/attach periods shall be a configuration within the DCU software/firmware and be remotely programmable		
13.	The DCU shall be capable of monitoring and reporting local health and tamper conditions to the HES		
14.	Auto registering upon installation to the HES		
15.	The DCU shall support outage detection with last-gasp event push capability		
16.	Shall have a five year repair or replace warranty.		

Item 8 : SINGLE PHASE METERING EQUIPMENT

8.1 Maximum demand meter, Direct Connect, 100A

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1	The accuracy class of the meter shall be class 1.0 or better for active energy and class 2.0 or better for reactive energy		
2	The meter shall be rated at 230Volts (single phase, two wire), at least 100 Ampere and operate correctly and accurately between 10 and 120% of its current range and have a voltage tolerance of +/- 10%		
3	The meter shall be modular and be able to accommodate at least the following modules via an on-board RS232 or RS 485 port: <ul style="list-style-type: none"> • GPRS Module • PLC Module (optional) • Wireless M-Bus or Zigbee (Optional) 		
4	The meter display shall incorporate icons on the local display to indicate, or be programmable, to display the following: <ul style="list-style-type: none"> • Energy direction indication for active and reactive energy • Error Messages 		
5	The meter shall have a rate LED on the faceplate of the meter for displaying active and reactive energies when verifying the accuracy of the meter		
6	The meter shall have an Optical Bi-directional IEC 62056-21 port for optical data readout and programming		
7	The meter must be capable of incorporating at least the following: <ul style="list-style-type: none"> • 4 Energy registers • 4 Demand Registers • 4 Quadrant measurement • Measurement of active, reactive and apparent demand 		
8	The meter shall be capable of storing and reporting on the following events: <ul style="list-style-type: none"> 120 days of 30minutes load profile data for 4 channels 4 load profile channels Able to store reverse and forward energy in separate load profile channels 		
9	The meter shall be capable of storing and reporting on the following events: <ul style="list-style-type: none"> Under-and over-Voltage Main cover Removal Terminal Cover Removal Power Failure Magnetic field detection Low Battery 		
10	The meter shall have an internal real time clock with battery back-up		

11	Anti-Tampering features		
	Main and terminal cover removal detection		
	Magnetic field detection		
12	1 Electronic S0 output		
13	12 Historical Billing Resets		
14	Readout of meter data without main power (option)		
15	Delivery within six weeks weeks from date of order is guaranteed for quantities up to 100		
16	Five year repair or replace warranty		

ITEM 8.2: GPRS UNDERCOVER MODEM

GPRS Undercover Modem for Item 8.1

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1	Modems shall be GSM/GPRS types, capable of communicating in either GSM CSD dial-up or GPRS mode		
2	The modem shall detect incoming calls and automatically, depending on the call type, switch to either GPRS or GSM CSD communication mode		
3	The modem shall be a plug-in module on the meter in item 1 above		
4	The modem shall be supplied complete with external magnetic base or patch		
5	The modem shall store all initialization and current parameters in non-volatile memory. The memory shall allow for the storage of APN information such as username, password etc required for automatically registering and connecting to the APN after power failure and/or network failure		
6	Delivery within six weeks from date of order is guaranteed for quantities up to 100		
7	Shall have a five year repair or replace warranty		

ITEM 9: THREE PHASE METERING EQUIPMENT, DIRECT CONNECT

9.1 Maximum demand meter, Direct Connect, 100A

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1	The accuracy class of the meter shall be class 1.0 or better for active energy and class 2.0 or better for reactive energy		
2	The meter shall be rated at 230/400Volts (Three phase, four wire), at least 100 Ampere and operate correctly and accurately between 10 and 120% of its current range and have a voltage tolerance of +/- 10%		
3	The meter display shall incorporate icons on the local display to indicate, or be programmable, to display the following:		
	• The presence of phase voltages		
	• Energy direction indication for active and reactive energy		
	• Error Messages		
	• Battery status indicator		
4	The accuracy of the meter shall be unaffected by power factor and imbalance in the current systems		
5	The meter shall have separate LEDs on the faceplate of the meter for displaying active and reactive energies		
6	At least three pulse/control outputs must be provided. These outputs must be available at the meter terminal block and be suitable for the operation of retransmitting relays. It must be possible to program the outputs to provide the following functions:		
	The meter must be capable of incorporating at least the following:		

	<ul style="list-style-type: none"> • kW or kWh 		
	<ul style="list-style-type: none"> • kVAr or kVA 		
	<ul style="list-style-type: none"> • Half hour reset, clock sync or end of Billing 		
7	Meters shall support modular industry standard ports for AMR meter reading and be supplied with an on-board RS232 or RS485 port, for connection to undercover communications modules such as		
	<ul style="list-style-type: none"> • GPRS Module 		
	<ul style="list-style-type: none"> • PLC Module (optional) 		
	<ul style="list-style-type: none"> • Wireless M-Bus or Zigbee (Optional) 		
8	The meter must be capable of incorporating at least the following:		
	8 Time of Use Tariffs		
	4 Maximum Demand Registers		
	12 Seasons		
	20 Switching Times		
	20 Exclusion Dates		
	3 Active Tariffs Sets at any time, either single rate or time of use tariffs		
	1 Deferred Tariff set		
	Store at least 100 Event entries		
	Store at least 12 Historical Billing Periods		
	Store at least 500 days of 30minute load profile data for two channels		
9	The meter shall have a tamper switch capable of detecting and reporting the opening of the terminal cover		
10	Delivery within six weeks weeks from date of order is guaranteed for quantities up to 100		
11	Five year repair or replace warranty		

ITEM 9.2: GPRS UNDERCOVER MODEM

GPRS Undercover Modem with RS232 or RS485 port for Item 9.1

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1	Modems shall be GSM/GPRS types, capable of communicating in either GSM CSD dial-up or GPRS mode		
2	The modem shall detect incoming calls and automatically, depending on the call type, switch to either GPRS or GSM CSD communication mode		
3	The modem shall be a plug-in module on the meter in item 3 above and/or capable of being sealed under the terminal cover of the meter		
4	The modem shall be supplied complete with external magnetic base or patch and power supply if required		
5	The module shall incorporate a port to enable multi-dropping of multiple meters with one modem		
6	Modems utilizing an external power supply shall be able to operate from 100 to 250Vac		
7	It shall be possible to update the modem software/firmware remotely via SMS, GPRS or GSM CSD. Suppliers shall state which of these methods are supported		
8	The modem shall store all initialization and current parameters in non-volatile memory. The memory shall allow for the storage of APN information such as username, password etc required for automatically registering and connecting to the APN after power failure and/or network failure		
9	The modem shall be capable of monitoring the GPRS connection and automatically detach and reconnect the modem to the APN. Detach/attach periods shall be configurable within the modem software/firmware and be remotely programmable		
10	Delivery within six weeks from date of order is guaranteed for quantities up to 100		
11	Shall have a five year repair or replace warranty		

ITEM 9.3: THREE PHASE METERING EQUIPMENT, DIRECT CONNECT**Maximum demand meter, Direct Connect, 160A**

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1	The accuracy class of the meter shall be class 1.0 or better for active energy and class 2.0 or better for reactive energy		
2	The meter shall be rated at 230/400Volts (Three phase, four wire), at least 100 Ampere and operate correctly and accurately between 10 and 120% of its current range and have a voltage tolerance of +/- 10%		
3	The meter display shall incorporate icons on the local display to indicate, or be programmable, to display the following:		
	• The presence of phase voltages		
	• Energy direction indication for active and reactive energy		
	• Error Messages		
	• Battery status indicator		
4	The accuracy of the meter shall be unaffected by power factor and imbalance in the current systems		
5	The meter shall have separate LEDs on the faceplate of the meter for displaying active and reactive energies		
6	At least three pulse/control outputs must be provided. These outputs must be available at the meter terminal block and be suitable for the operation of retransmitting relays. It must be possible to program the outputs to provide the following functions:		
	The meter must be capable of incorporating at least the following:		
	• kW or kWh		
	• kVAr or kVA		
	• Half hour reset, clock sync or end of Billing		
7	Meters shall support modular industry standard ports for AMR meter reading and be supplied with an on-board RS232 or RS485 port, for connection to undercover communications modules such as		
	• GPRS Module		
	• PLC Module (optional)		
	• Wireless M-Bus or Zigbee (Optional)		
8	The meter must be capable of incorporating at least the following:		
	8 Time of Use Tariffs		
	4 Maximum Demand Registers		
	12 Seasons		
	20 Switching Times		
	20 Exclusion Dates		
	3 Active Tariffs Sets at any time, either single rate or time of use tariffs		
	1 Deferred Tariff set		
	Store at least 100 Event entries		
	Store at least 12 Historical Billing Periods		
	Store at least 500 days of 30minute load profile data for two channels		
9	The meter shall have a tamper switch capable of detecting and reporting the opening of the terminal cover		
10	Delivery within six weeks weeks from date of order is guaranteed for quantities up to 100		
11	Five year repair or replace warranty		

ITEM 9.4: GPRS UNDERCOVER MODEM**GPRS Undercover Modem with RS232 or RS485 port for Item 9.3**

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1	Modems shall be GSM/GPRS types, capable of communicating in either GSM CSD dial-up or GPRS mode		
2	The modem shall detect incoming calls and automatically, depending on the call type, switch to either GPRS or GSM CSD communication mode		
3	The modem shall be a plug-in module on the meter in item 3 above and/or capable of being sealed under the terminal cover of the meter		
4	The modem shall be supplied complete with external magnetic base or patch and power supply if required		
5	The module shall incorporate a port to enable multi-dropping of multiple meters with one modem		
6	Modems utilizing an external power supply shall be able to operate from 100 to 250Vac		
7	It shall be possible to update the modem software/firmware remotely via SMS, GPRS or GSM CSD. Suppliers shall state which of these methods are supported		
8	The modem shall store all initialization and current parameters in non-volatile memory. The memory shall allow for the storage of APN information such as username, password etc required for automatically registering and connecting to the APN after power failure and/or network failure		
9	The modem shall be capable of monitoring the GPRS connection and automatically detach and reconnect the modem to the APN. Detach/attach periods shall be configurable within the modem software/firmware and be remotely programmable		
10	Delivery within six weeks from date of order is guaranteed for quantities up to 100		
11	Shall have a five year repair or replace warranty		

ITEM 10: THREE PHASE METERING EQUIPMENT, CT CONNECT**10.1 Maximum demand meter, CT Connect**

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1	The accuracy class of the meter shall be class 0.5S for active energy and class 2.0 or better for reactive energy		
2	The meter offered shall be compatible with current transformers having a secondary current rating of 5 Amps		
3	The meter shall be rated at 230/400Volts (Three phase, four wire), 5 Ampere per phase and operate correctly and accurately between 5 and 120% of its current range and have a voltage tolerance of +/- 10%		
4	The meter display shall incorporate icons on the local display to indicate, or be programmable, to display the following:		
	<ul style="list-style-type: none"> The presence of line voltages 		
	<ul style="list-style-type: none"> Energy direction indication for active and reactive energy 		
	<ul style="list-style-type: none"> Error Messages 		
	<ul style="list-style-type: none"> Battery status indicator 		
	<ul style="list-style-type: none"> Terminal over Protection 		
5	The meter shall incorporate two red test LEDs, one each for indicating active and reactive energy. The pulse rate of these LEDs must vary corresponding to the power applied. When no current is flowing, the test LEDs shall be continuously illuminated		

6	The meter must be capable of incorporating at least three active tariffs at any time, either single rate or time of use tariffs		
7	The meter must be capable of storing kVA demand and accumulated kWh values for at least twelve historical billing periods		
8	The meter shall be capable of storing at least 600 days of 30minute load profile data for two channels		
9	The meter shall be capable of storing load profile data corresponding to the integrating period for the following programmable measured quantities:		
	• Active Energy for all four quadrants		
	• Re-active energy for all four quadrants		
	• Individual phase currents		
	• Individual phase voltages		
	• Power Factor		
10	At least three pulse/control outputs must be provided. These outputs must be available at the meter terminal block and be suitable for the operation of retransmitting relays. It must be possible to program the outputs to provide the following functions:		
	The meter must be capable of incorporating at least the following:		
	• kW or kWh		
	• kVAr or kVA		
	• Half hour reset		
	• End of Billing period		
11	Meters shall support modular industry standard ports for AMR meter reading and be supplied with an on-board RS232 or RS485 port, for connection to undercover communications modules such as		
	• GPRS Module		
	• PLC Module (optional)		
	• Wireless M-Bus or Zigbee (Optional)		
12	The meter shall have a tamper switch capable of detecting and reporting the opening of the terminal cover		
11	Delivery within six weeks weeks from date of order is guaranteed for quantities up to 100		
12	Five year repair or replace warranty		

ITEM 10.2: GPRS UNDERCOVER MODEM

GPRS Undercover Modem with RS232 or RS485 port for Item 10.1

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1	Modems shall be GSM/GPRS types, capable of communicating in either GSM CSD dial-up or GPRS mode		
2	The modem shall detect incoming calls and automatically, depending on the call type, switch to either GPRS or GSM CSD communication mode		
3	The modem shall be a plug-in module on the meter in item 3 above and/or capable of being sealed under the terminal cover of the meter		
4	The modem shall be supplied complete with external magnetic base or patch and power supply if required		
5	The module shall incorporate a port to enable multi-dropping of multiple meters with one modem		
6	Modems utilizing an external power supply shall be able to operate from 100 to 250Vac		
7	It shall be possible to update the modem software/firmware remotely via SMS, GPRS or GSM CSD. Suppliers shall state which of these methods are supported		
8	The modem shall store all initialization and current parameters in non-volatile memory. The memory shall allow for the storage of APN information such as username, password etc required for automatically registering and connecting to the APN after power failure and/or network failure		

9	The modem shall be capable of monitoring the GPRS connection and automatically detach and reconnect the modem to the APN. Detach/attach periods shall be configurable within the modem software/firmware and be remotely programmable		
10	Delivery within six weeks from date of order is guaranteed for quantities up to 100		
11	Shall have a five year repair or replace warranty		

ITEM 11: THREE PHASE METERING EQUIPMENT, CT and VT CONNECT

11.1 Maximum demand meter, CT and VT Connect, 3/4 Wire

MAKE AND MODEL OFFERED NEEDED

No.	Requirement	Comply	Do Not Comply
1	The accuracy class of the meter shall be class 0.5S for active energy and class 2.0 or better for reactive energy		
2	The meter offered shall be compatible with instrument transformers having the following secondary ratings:		
	Current Transformers – 1 Amp and 5 Amps		
	Voltage Transformers – 63.5/110 Volt, and 230/400 Volt (3 Phase/3-wire and 3 phase/4-wire)		
3	It must be possible to extract the meter configuration directly from the meter without having a prior record of the configuration.		
4	The meter operating software must be capable of incorporating instrument transformer ratios of all commercially available CT and VT ratios in SA. The reading, which the meter will display, shall therefore be the actual reading, with no external multiplying constant required		
5	The meter display shall incorporate icons on the local display to indicate, or be programmable, to display the following:		
	• The presence of line voltages		
	• Energy direction indication for active and reactive energy		
	• Error Messages		
	• Battery status indicator		
	• Terminal over Protection		
	• Phase sequence		
5	The meter shall incorporate two red test LEDs, one each for indicating active and reactive energy. The pulse rate of these LEDs must vary corresponding to the power applied. When no current is flowing, the test LEDs shall be continuously illuminated		
6	The meter must be capable of incorporating at least three active tariffs at any time, either single rate or time of use tariffs		
7	The meter must be capable of storing kVA demand and accumulated kWh values for at least twelve historical billing periods		
8	The meter shall be capable of storing at least 600 days of 30minute load profile data for two channels		
9	The meter shall be capable of storing load profile data corresponding to the integrating period for the following programmable measured quantities:		
	• Active Energy for all four quadrants		
	• Re-active energy for all four quadrants		
	• Individual phase currents		
	• Individual phase voltages		
	• Power Factor		
10	At least three pulse/control outputs must be provided. These outputs must be available at the meter terminal block and be suitable for the operation of retransmitting relays. It must be possible to program the outputs to provide the following functions:		
	The meter must be capable of incorporating at least the following:		
	• kW or kWh		

	• kVAr or kVA		
	• Half hour reset		
	• End of Billing period		
	• Clock sync		
11	Meters shall support modular industry standard ports for AMR meter reading and be supplied with an on-board RS232 or RS485 port, for connection to undercover communications modules such as		
	• GPRS Module		
	• PLC Module (optional)		
	• Wireless M-Bus or Zigbee (Optional)		
12	The meter shall have a tamper switch capable of detecting and reporting the opening of the terminal cover		
11	Delivery within six weeks from date of order is guaranteed for quantities up to 100		
12	Five year repair or replace warranty		

ITEM 11.2 : GPRS UNDERCOVER MODEM

GPRS Undercover Modem with RS232 or RS485 port for Item 11.1

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1	Modems shall be GSM/GPRS types, capable of communicating in either GSM CSD dial-up or GPRS mode		
2	The modem shall detect incoming calls and automatically, depending on the call type, switch to either GPRS or GSM CSD communication mode		
3	The modem shall be a plug-in module on the meter in item 3 above and/or capable of being sealed under the terminal cover of the meter		
4	The modem shall be supplied complete with external magnetic base or patch and power supply if required		
5	The module shall incorporate a port to enable multi-dropping of multiple meters with one modem		
6	Modems utilizing an external power supply shall be able to operate from 100 to 250Vac		
7	It shall be possible to update the modem software/firmware remotely via SMS, GPRS or GSM CSD. Suppliers shall state which of these methods are supported		
8	The modem shall store all initialization and current parameters in non-volatile memory. The memory shall allow for the storage of APN information such as username, password etc required for automatically registering and connecting to the APN after power failure and/or network failure		
9	The modem shall be capable of monitoring the GPRS connection and automatically detach and reconnect the modem to the APN. Detach/attach periods shall be configurable within the modem software/firmware and be remotely programmable		
10	Delivery within six weeks from date of order is guaranteed for quantities up to 100		
11	Shall have a five year repair or replace warranty		

ITEM 12 : CLUSTER METERING EQUIPMENT, DIRECT CONNECT WITH DCU's

The requirement under this item is to provide a platform whereby the metering data from various metering points normally found in close proximity inside a low voltage customer substation be gathered at a central point (Data Concentrator) for relaying to and from the Head End System

ITEM 12.1: Cluster Meter, Single Phase, 100 Ampere BS Layout

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1	The accuracy class of the meter shall be class 1 for active energy and class 2.0 or better for reactive energy		
2	The meter shall be rated at 230Volts (single phase, two wire) at least 100 Ampere and operate correctly and accurately between 5 and 120% of its current range and have a voltage tolerance of +/- 10%		
3	The meter display shall incorporate a back-lit LCD display with icons to display, or be programmable, to display the contents of all relevant registers in a user defined sequence		
4	Shall have an internal Real Time Clock		
5	The meter shall have separate LEDs on the faceplate of the meter for displaying active and reactive energies for verifying the accuracy of the meter		
6	Meters shall come complete with on-board industry standard facilities for connection to a Data Concentrator Unit via either of the following technologies: <i>Tick which is provided</i>		
	• Radio Frequency (RF) – ICASA Approved		
	• Power Line Carrier (PLC)		
	• Zigbee		
7	The manufacturer shall guarantee a minimum connection distance fo 100 meter under any power quality condition for PLC connections and 50 meters for RF and Zigbee connections		
8	The meter shall be capable of incorporating at least the following:		
	• Measure and store both forward and revers active energy data		
	• Measure and store reactive energy data		
	• Store at least 100 days of 30minute load profile data for four channels		
	• Store at least 100 Event entries		
	• Store at least 2 historical Billing periods		
	• Support up to 8 load profile channels		
9	Record and store the following Events/Data:		
	• Total Active Energy Import		
	• Total Active Energy Export		
	• Total Reactive Power		
	• Max Demand in previous 2 months		
	• Magnetic Interference Events		
	• Terminal cover open events		
10	At least three pulse/control outputs must be provided. These outputs must be available at the meter terminal block and be suitable for the operation of retransmitting relays. It must be possible to program the outputs to provide the following functions:		
11	The meter must be capable of incorporating at least the following:		
	• kW or kWh		
	• kVA		
12	The meter shall have a tamper switch capable of detecting and reporting the opening of the terminal cover		

13	Delivery within six weeks weeks from date of order is guaranteed for quantities up to 100		
14	Five year repair or replace warranty		

ITEM 12.2: Cluster Meter, Three Phase, 100 Ampere BS Layout

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1	The accuracy class of the meter shall be class 1 for active energy and class 2.0 or better for reactive energy		
2	The meter shall be rated at 230/400Volts (single phase, two wire) at least 100 Ampere and operate correctly and accurately between 5 and 120% of its current range and have a voltage tolerance of +/- 10%		
3	The meter display shall incorporate a back-lit LCD display with icons to display, or be programmable, to display the contents of all relevant registers in a user defined sequence		
4	The accuracy of the meter shall be unaffected by power factor and imbalance in the system currents		
5	Shall have an internal Real Time Clock		
6	The meter shall have separate LEDs on the faceplate of the meter for displaying active and reactive energies for verifying the accuracy of the meter		
7	Meters shall come complete with on-board industry standard facilities for connection to a Data Concentrator Unit via either of the following technologies: <i>Tick which is provided</i>		
	• Radio Frequency (RF) – ICASA Approved		
	• Power Line Carrier (PLC)		
	• Zigbee		
8	The manufacturer shall guarantee a minimum connection distance fo 100 meter under any power quality condition for PLC connections and 50 meters for RF and Zigbee connections		
9	The meter shall be capable of incorporating at least the following:		
	• Measure and store both forward and reverse active as well as reactive energy profile data		
	• 2 Active tariffs sets at any time, either single rate or time of use tariffs		
	• 1 Deferred Tariff		
	• 4 Time of Use periods per day		
	• 4 Maximum Demand Registers		
	• 4 Seasons		
	• 10 switching times		
	• 20 Exclusion dates		
	• Store at least 100 Event entries		
	• Store at least 6 Historical Billing Periods		
	• Support up to 16 load profile channels		
	• Store at least 500 days of 30 minute load profile data for two channels		
	• Support automatic demand reset		
10	Record and store the following Events/Data:		
	• Total Active Energy Import		
	• Total Active Energy Export		
	• Total Reactive Power Import		
	• Total Reactive Power Export		
	• Max Demand in current month		
	• Max Demand in previous 6 months		
	• Magnetic Interference Events		

	<ul style="list-style-type: none"> Terminal Cover Open Events 		
11	At least three pulse/control outputs must be provided. These outputs must be available at the meter terminal block and be suitable for the operation of retransmitting relays. It must be possible to program the outputs to provide the following functions:		
12	The meter must be capable of incorporating at least the following:		
	<ul style="list-style-type: none"> kW or kWh 		
	<ul style="list-style-type: none"> kVAr or kVA 		
	<ul style="list-style-type: none"> Half hour reset, clock sync or end of Billing 		
13	The meter shall have a tamper switch capable of detecting and reporting the opening of the terminal cover		
14	Delivery within six weeks from date of order is guaranteed for quantities up to 100		
15	Five year repair or replace warranty		

ITEM 12.3: Data Concentrator Unit (DCU) for items 11 & 12 above

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1	The DCU shall support 3G and fall back to GPRS communications between itself and the HES		
2	Shall support either one or both of the communication mediums below between itself and the meter: Tick which is applicable:		
	<ul style="list-style-type: none"> Radio Frequency (RF) – ICASA Approved 		
	<ul style="list-style-type: none"> Power Line Carrier (PLC) 		
	<ul style="list-style-type: none"> Zigbee 		
3	Support auto registration of the meters connected to the DCU		
4	The DCU shall incorporate an Ethernet, USB or RS 485 port for interfacing with any other future communication technology and/or for programming and interrogation purposes		
5	The DCU shall be supplied complete with power supply, external magnetic base or patch antenna		
6	The electrical, mechanical and climatic requirements for the DCU shall be in accordance with SANS 62052-11		
7	The DCU shall in addition comply with SANS 474 for Bulk Metering		
8	Shall have a battery backed Internal Real Time Clock		
9	The DCU shall be able to support at least 50 connected meters		
10	It shall be possible to update the DCU software/firmware remotely from the HES via the connected communication medium or directly via the Ethernet, USB or RS 485 ports		
11	The DCU shall store all initialization and current parameters in non-volatile memory. The memory shall allow for the storage of APN information such as username, password etc required for automatically registering and connecting to the APN after power failure and/or network failure		
12	The DCU shall be capable of monitoring the 3G /GPRS connection, automatically detach, and reconnect the modem to the APN. Detach/attach periods shall be configurable within the DCU software/firmware and be remotely programmable		
13	Delivery within six weeks from date of order is guaranteed for quantities up to 100		
14	Shall have a five year repair or replace warranty		

ITEM 13: METERING TEST TERMINAL BLOCKS**Metering Test Terminal Blocks**

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1	Test Terminal blocks offered shall be manufactured and tested in accordance with IEC 60947-7-1		
2	The terminal blocks shall be Metering Type for 3-phase, 3 wire or 4 wire applications with:		
	<ul style="list-style-type: none"> 4 Voltage terminals, rated at 600 Volt Continuous 		
	<ul style="list-style-type: none"> 9 Current terminals, rated at 50 Amp continuous 		
3	The cable entry shall be front Connected		
4	All terminals, shoring links, screws, nuts, etc., used in the the electrical connections shall be of bright nickel-plated brass to prevent corrosion and provide high conductivity		
5	The screws shall have rounded edges to prevent any damage to cable strands		
6	The current terminals shall be separated into groups of 3 with inter-terminal shorting links for short circuiting of the current transformer terminals		
7	Each terminal shall have a 6 mm diameter hole for cable entry and two M5 screws to secure the cables		
8	The base of the Test Terminal Block shall be constructed of high quality electrical grade black Bakelite and shall be provided with integrally molded barriers between the terminals for complete protection against flashovers. A Bakelite shield shall be provided in front to avoid flashover or shorting at cable entries. A moulded shroud shall be provided for safety against the voltage terminals		
9	The top cover shall be transparent, sturdy and manufactured from flame retardant polycarbonate and shall be secured in place by knurled knobs and studs capable of accepting 1mm sealing wire		
10	Four holes located at the four corners of the terminal block base shall be provided for fixing by means of 5mm screws		
11	The dimensions of the terminal block shall not be greater than: Length 220mm, width 80mm and Height 65mm		

ITEM 14: METERING CURRENT TRANSFORMERS 27026**Metering Current Transformers**

MAKE AND MODEL OFFERED NEEDED			
No.	Requirement	Comply	Do Not Comply
1	Current Transformers must be ring type and comply to IEC 60044-1 or SANS 61869-2		
2	Be accurate to Class 0.5		
3	<ul style="list-style-type: none"> Rated burden must be 7.5 VA 		
4	<ul style="list-style-type: none"> Be suitable for use on systems up to 660Volts, 50Hz 		
5	Secondary connections must be by means of brass studs or screws with a minimum diameter of 5mm		
6	Each Current Transformer shall have a unique serial number		
7	Studs must be fitted with lock nuts and lock nut washers and screws must be fitted with lock washers		

ITEM 15: EQUIPMENT SPECIFIC TO EXISTING METERIN INSTALLATIONS

In order to econically maintain existing metering installations, the following replacement meters and modules are required.

15.1 – Landis & Gyr CU-P42 Under Cover GPRS Modem, with Antenna

15.2 – Landis & Gyr ZMD405 CT/VT Connect Meter, Model ZMD405CT

ITEM 16: TRAINING

It is the requirement that the tenderer shall prepare and propose training on the programming, maintenance and operations, testing, installation and use of their products. Successful tenderers will be expected to provide training courses to all levels of personnel involved with the various aspects of the metering system they offer. Our intention is that the training will include both theory and practical assessments

- Training must be for a group of 4 persons or more at the municipal offices (17 Marine Way) including course materials, refreshments, travel and accommodation of the trainer
- Training course at the supplier's premises (per person), including course materials including refreshments

5. Certification

5.1. A Test certificate must be submitted of meters that is issued at all times.

6. Evaluation

- 6.1. All tenders received shall be evaluated in accordance with the Municipal Finance Management Act, Act 56 of 2003 (read with its accompanying supply chain management regulations), SCM Policy, and the Preferential Procurement Policy Framework Act, Act 5 of 2000 (read with its accompanying regulations).
- 6.2. Points will be awarded to tenderers who are eligible for preferences in terms of BBD 6.1: Preference Point Claim Schedule (where preferences are granted in respect of B-BBEE contribution).
- 6.3. The terms and conditions of BBD 6.1 shall apply in all respects to the tender evaluation process and any subsequent contract.
- 6.4. It must be noted that the municipality is in the process of AMR/AMI implementation, hence the hardware supplied, must be open to communicate with existing or future software programs, rather than being of a proprietary nature and must be able to integrate with other municipal systems
- 6.5. Bidder must complete BBD17 in order for the evaluation committee to establish the bidder's ability to execute this project. Bidder must provide at least 3 similar projects to be able to qualify further.

6. DEFINITION OF TERMS

6.1. None

7. ABBREVIATIONS

7.1.SCM	Supply Chain Management
7.2.SANS	South African National Standards

Pricing

1. Bidders are required to provide a unit price per item listed n below table,
2. Bidders must quote on all items and add the sum of all quoted items as a Grand Total at the end of the Pricing Schedule.
3. The Grand Total is a **provisional** sum. This must not be taken as an indication or guarantee of the materials required for the contract period.
4. This will be awarded per item.
5. Bidders must make provision for supply, delivery and offloading cost within the price.
6. Where no rates are filled in by the Bidder, or the rate is indicated as Nil, it must be clearly stated in a cover letter, otherwise incomplete items will be seen as being non-responsive.
7. After year one prices escalation will be subject to SEIFSA tables and indices, supplier to provide proof.

Item No.	Description	Unit Measure	Unit Price	Estimated Quantities	Total Price
1	Single Phase Split Meters BS PLC				
1.1	Split BS Meter, 80Amp, PLC	Each		1	
1.2	PLC UIU for item 1.1	Each		1	
1.3	Combination of MCU and UIU (Item 1.1 and 1.2)	Each		1	
Sub Total					
2	Single Phase Split Meters Din Rail PLC				
2.1	Split DIN-Rail meter, 80Amp, PLC	Each		1	
2.2	PLC UIU for item 2.1	Each		1	
2.3	Combination of MCU and UIU (Item 2.1 and 2.2)	Each		1	
Sub Total					
Item No.	Description	Unit Measure	Unit Price	Estimated Quantities	Total Price
3	Single Phase Split Meters BS, RF				
3.1	Split BS meter, 80Amp RF	Each		1	
3.2	RF UIU for item 3.1	Each		1	
3.3	Combination of MCU and UIU (Item 3.1 and 3.2)	Each		1	

Sub Total					
4	Single Phase Split Meters Din Rail RF				
4.1	Split Din Rail meter, 80Amp, RF	Each		1	
4.2	RF UIU for item 4.1	Each		1	
4.3	Combination of MCU and UIU (Item 4.1 and 4.2)	Each		1	
Sub Total					
5	Three Phase Split Meters BS PLC				
5.1	Three phase Split Meter, BS, PLC, 100Amp	Each		1	
5.2	PLC UIU for item 5.1	Each		1	
5.3	Combination of MCU and UIU (Item 5.1 and 5.2)	Each		1	
Sub Total					
6	Three Phase Split Meters BS RF				
6.1	Three phase Split Meter, BS, RF, 100Amp	Each		1	
6.2	RF UIU for item 5.1	Each		1	
6.3	Combination of MCU and UIU (Item 6.1 and 6.2)	Each		1	
Sub Total					
Item No.	Description	Unit Measure	Unit Price	Estimated Quantities	Total Price
7	Smart Meter, prepaid				
7.1	Smart Prepayment Meter, Single Phase, 80Ampere, DIN Rail, PLC	Each		1	
7.2	Data Concentrator Unit for item 7.1 (PLC)	Each		1	

7.3	Smart Prepayment Meter, Single Phase, 80Ampere, DIN Rail, RF	Each		1	
7.4	Data Concentrator Unit for item 7.3 (RF)	Each		1	
Sub Total					
8	Direct Connect KVA Bulk Meters – Single Phase				
8.1	1Ph Maximum Demand Direct Connect, 100Amp	Each		1	
8.2	GPRS Undercover Modem for 8.1	Each		1	
Sub Total					
9	Direct Connect KVA Bulk Meters – Three Phase				
9.1	3Ph Maximum Demand Direct Connect, 100Amp	Each		1	
9.2	GPRS Undercover Modem for 9.1	Each		1	
9.3	Maximum Demand Direct Connect, 160Amp	Each		1	
9.4	GPRS Undercover Modem for 9.3	Each		1	
Sub Total					
10	CT Connect KVA Bulk Meters – Three Phase				
10.1	3Ph Maximum Demand CT Connect Meter	Each		1	
Sub Total					
Item No.	Description	Unit Measure	Unit Price	Estimated Quantities	Total Price
10.2	GPRS Undercover Modem for 12.1	Each		1	
Sub Total					

11	CT/VT Connect KVA Bulk Meters – 3/4 Wire				
11.1	3Ph Maximum Demand CT/VT Connect Meter	Each		1	
11.2	GPRS Undercover Modem for 12.1	Each		1	
Sub Total					
12	Cluster Meters				
12.1	Cluster Meter, Single Phase 100 Amp, BS Lay-Out	Each		1	
12.2	Cluster Meter, Three Phase 100 Amp, BS Lay-Out	Each		1	
12.3	DCU for items 14.1 & 14.2	Each		1	
Sub Total					
13	Test Blocks				
13.1	13 Way Test Terminal Blocks	Each		1	
Sub Total					
14	Current Transformers				
14.1	150/5 CT Class 0.5	Each		1	
14.2	200/5 CT Class 0.5	Each		1	
14.3	250/5 CT Class 0.5	Each		1	
14.4	300/5 CT Class 0.5	Each		1	
14.5	350/5 CT Class 0.5	Each		1	
14.6	400/5 CT Class 0.5	Each		1	
14.7	450/5 CT Class 0.5	Each		1	
14.8	500/5 CT Class 0.5	Each		1	
14.9	550/5 CT Class 0.5	Each		1	
14.10	600/5 CT Class 0.5	Each		1	

14.11	650/5 CT Class 0.5	Each		1	
14.12	700/5 CT Class 0.5	Each		1	
14.13	750/5 CT Class 0.5	Each		1	
14.14	800/5 CT Class 0.5	Each		1	
14.17	1000/5 CT Class 0.5	Each		1	
Sub Total					
15	Equipment Specific to existing infrastructure				
15.1	Landis & Gyr UP42GSMGPRS Modem, with Antenna	Each		1	
15.2	Landis & Gyr ZMD405 CT/VT Connect Meter, Model ZMD405CT44.2407 S3	Each		1	
Sub Total					
16	Training				
16.1	Training on suppliers premises (per person), including course materials, travel and accommodation	Per person		1	
16.2	Training at Knysna Municipality Municipality's Premises (per group of 4), including course materials, refreshments	Each		1	
Sub Total					

Price Summary

Item No:	Description	
1	Sub total	
2	Sub total	
3	Sub total	
4	Sub total	
5	Sub total	
6	Sub total	
7	Sub total	
8	Sub total	
9	Sub total	
10	Sub total	
11	Sub total	
12	Sub total	
13	Sub total	
14	Sub total	
15	Sub total	
16	Sub total	
VAT 15%		
GRAND TOTAL		

CONTRACT FORM - RENDERING OF SERVICES

THIS FORM MUST BE FILLED IN DUPLICATE BY BOTH THE SERVICE PROVIDER (PART 1) AND THE PURCHASER (PART 2). BOTH FORMS MUST BE SIGNED IN THE ORIGINAL SO THAT THE SERVICE PROVIDER AND THE PURCHASER WOULD BE IN POSSESSION OF ORIGINALLY SIGNED CONTRACTS FOR THEIR RESPECTIVE RECORDS.

PART 1 (TO BE FILLED IN BY THE SERVICE PROVIDER)

1. I hereby undertake to render services described in the attached bidding documents to **Knysna Municipality** in accordance with the requirements and task directives / proposals specifications stipulated in Bid Number **T19 of 2021/22** at the price/s quoted. My offer/s remain binding upon me and open for acceptance by the Purchaser during the validity period indicated and calculated from the closing date of the bid.
2. The following documents shall be deemed to form and be read and construed as part of this agreement:
 - (i) Bidding documents, viz
 - Invitation to bid;
 - Tax clearance certificate;
 - Pricing schedule(s);
 - Filled in task directive/proposal;
 - Preference claims for Broad Based Black Economic Empowerment Status Level of Contribution in terms of the Preferential Procurement Regulations 2017;
 - Declaration of interest;
 - Declaration of Bidder's past SCM practices;
 - Certificate of Independent Bid Determination;
 - Special Conditions of Contract;
 - (ii) General Conditions of Contract; and
 - (iii) Other (specify)
3. I confirm that I have satisfied myself as to the correctness and validity of my bid; that the price(s) and rate(s) quoted cover all the services specified in the bidding documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.
4. I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this agreement as the principal liable for the due fulfillment of this contract.
5. I declare that I have no participation in any collusive practices with any bidder or any other person regarding this or any other bid.
6. I confirm that I am duly authorised to sign this contract.

NAME (PRINT)

CAPACITY

SIGNATURE

NAME OF FIRM

DATE

WITNESSES

1

.

2

.

DATE:

CONTRACT FORM - RENDERING OF SERVICES

PART 2 (TO BE FILLED IN BY THE PURCHASER)

- I.....in my capacity
- as.....

accept your bid under reference number **T19 of 2021/22** datedfor the rendering of services indicated hereunder and/or further specified in the annexure(s).

- An official order indicating service delivery instructions is forthcoming.
- I undertake to make payment for the services rendered in accordance with the terms and conditions of the contract, within 30 (thirty) days after receipt of an invoice.

DESCRIPTION OF SERVICE	PRICE (ALL APPLICABLE TAXES INCLUDED)	COMPLETION DATE	B-BBEE STATUS LEVEL OF CONTRIBUTION	MINIMUM THRESHOLD FOR LOCAL PRODUCTION AND CONTENT (if applicable)
Supply And Delivery Of Various Electrical Meters For A Period Of Three (3) Years.				

- I confirm that I am duly authorized to sign this contract.

SIGNED AT ON

NAME (PRINT)

SIGNATURE

OFFICIAL STAMP

WITNESSES

1

2

DATE: