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**DR. NKOSAZANA DLAMINI ZUMA MUNICIPALITY  
MUNICIPALITY**

**PUBLIC WORKS AND BASIC SERVICES DEPARTMENT**

**CONTRACT NO. PWBS-:B001/21/22**

**A PANEL OF 4 (FOUR) ELECTRICAL SERVICE PROVIDER TO  
DESIGN AND IMPLEMENT ELECTRIFICATION PROJECTS FOR  
A PERIOD OF 3 YEARS IN PHASES USING TURNKEY  
STRATEGY**

**BID DOCUMENT**

**PUBLIC WORKS AND BASIC SERVICES DEPARTMENT**

|                              |  |
|------------------------------|--|
| <b>BIDDERS NAME:</b>         |  |
| <b>PHYSICAL ADDRESS :</b>    |  |
| <b>CONTACT NUMBER:</b>       |  |
| <b>TENDER SUM IN RANDS :</b> |  |
| <b>TENDER SUM IN WORDS :</b> |  |

**DR. NKOSAZANA DLAMINI ZUMA MUNICIPALITY  
PUBLIC WORKS AND BASIC SERVICES DEPARTMENT  
CONTRACT NO. PWBS-:B001/21/22 APPOINTMENT OF ELECTRICAL SERVICE  
PROVIDER TO IMPLEMENT ELECTRICAL PROJECTS USING TURN-KEY  
STRATEGY**

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ELECTRIFICATION PROJECTS FOR A PERIOD OF 3 YEARS IN  
PHASES USING TURNKEY STRATEGY**

**BID INVITATION**



## BID NOTICE

### 1. BID INVITATION

Bids are hereby invited from suitably qualified and experienced **Panel of 4 Electrical Service Providers for implementation of electrification project using Turnkey Strategy (Marketing, Survey, Design, Preparation of Documentation, Project Management, implementation, monitoring and closing out)** as indicated below within Dr Nkosazana Dlamini – Zuma Municipality (KZN 436). The adjudication of the bids will be done in terms of the Preferential Procurement Regulations, 2011 Pertaining to Preferential Procurement Policy Framework (Act No. 5 of 2000) and will be based on the 80/20 points system.

Preferential points will be awarded to Service Providers using their B-BBEE status level of contribution.

### 2. DOCUMENTS

Bid Documents will be made available at Creighton Offices; the cost of bid document will be **R437-00 per document** which is non-refundable from **15<sup>th</sup> March 2021** during office hours until the closing dates specified on table at **10:00am**. Only cash or bank guaranteed cheques will be accepted, all cheques must be made out to Dr Nkosazana Dlamini. An electronic copy is available on our website ([www.ndz.gov.za](http://www.ndz.gov.za)) for **FREE**.

| PROJECT NAME  | Contract No.            | CIDB Grading          | Closing Date and time |
|---|-------------------------|-----------------------|-----------------------|
| <b>APPOINTMENT OF A PANEL OF 4 (FOUR) ELECTRICAL SERVICE PROVIDER TO DESIGN AND IMPLEMENT ELECTRIFICATION PROJECTS FOR A PERIOD OF 3 YEARS IN PHASES USING TURNKEY STRATEGY</b> | <b>PWBS-:B001/21/22</b> | <b>4EP and Higher</b> | <b>12 April 2021</b>  |

### 3. THE FOLLOWING ARE MANDATORY

valid tax clearance certificate, Submit proof that the bidders and its directors are not owing municipal services who do not pay, A letter of exemption can be obtained from the Municipality for incumbents who do not pay for services together with a letter of proof of residency, Certified copy of a certificate of Company Registration with the Registrar of Companies and CC's (CK), Form of offer ,MDB's fully completed and registration with CSD.

#### 4. BID ENQUIRIES

N.B: All enquiries must be in writing and be directed to the following emails by **no later than 26/03/2021** and responses will be made available on our website ([www.ndz.gov.za](http://www.ndz.gov.za)) by **no later than the 06/04/2021**:

[mngadis@ndz.gov.za](mailto:mngadis@ndz.gov.za)

[holiwen@ndz.gov.za](mailto:holiwen@ndz.gov.za)

[dlaminiz@ndz.gov.za](mailto:dlaminiz@ndz.gov.za)

- Procedure related enquires: Miss N. Holiwe
- Technical Enquiries: Mr S.V Mngadi/ Mr Z. Dlamini

Dr Nkosazana Dlamini Zuma Municipality Tel No: (039) 833 1038  
P O Box 62 Fax No.: (039) 833 1179  
Creighton  
3263

**NB: The offers must remain valid for 90 days from the closing date for submission of bids**

**N.B: The stipulated minimum threshold for local production and content for these Bids is as following:**


| Industry/sector/sub-sector                               | Minimum threshold for local content |
|--|-------------------------------------|
| Electrical Cabling (LV, MV and HV)                       | 90%                                 |
| Transformers (16Kva, 32Kva, 50Kva, 64Kva and 100Kva)22kv | 10 -100%                            |
| Electrical Meters  | 70%                                 |
| DC Combiner Boxes  | 65%                                 |
| Set top Box Set  | 30%                                 |
| Mounting Steel Bracket                                   | 100%                                |
| Fuse & fuse holders                                      | 100%                                |
| Bird diverters   | 100%                                |
| Struck bracket   | 100%                                |
| Low cost reticulation                                    | 90%                                 |
| Power Pylons & Substation structure                      | 100%                                |
| Stay Wire  | 100%                                |
| <b>Steel Value added Product</b>                         |                                     |
| • Sheets and plates                                      | 100%                                |
| • Wire product   | 100%                                |

**Only locally produced goods, services or works or locally manufactured goods, with a stipulated minimum threshold for local production and content will be considered.**

Dr Nkosazana Dlamini Zuma Municipality does not bind itself to accept the lowest or any bid and reserves the right to accept the whole or any part of the Bid.

#### 5. CLOSING DATE

Bids must be enclosed in **SEALED ENVELOPES** and addressed to the Municipal Manager, Dr Nkosazana Dlamini Zuma Municipality with the following information clearly marked on the outside of each envelope:

  
Mr N.C Vezi  
MUNICIPAL MANAGER

ENTERED 23 MAR 2021

## INVITATION TO BID

|   |   |               |                      |               |              |
|---|---|---------------|----------------------|---------------|--------------|
| <b>YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF MUNICIPALITY/ MUNICIPAL ENTITY)</b> |   |               |                      |               |              |
| BID NUMBER:   | <b>PWBS – B001/21/22</b>  | CLOSING DATE: | <b>12 April 2021</b> | CLOSING TIME: | <b>12:00</b> |
| DESCRIPTION   | <b>APPOINTMENT OF A PANEL OF 4 (FOUR) ELECTRICAL SERVICE PROVIDER TO DESIGN AND IMPLEMENT ELECTRIFICATION PROJECTS FOR A PERIOD OF 3 YEARS IN PHASES USING TURNKEY STRATEGY</b> |               |                      |               |              |
| <b>THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (MBD7).</b>     |   |               |                      |               |              |

BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX  
SITUATED AT (STREET ADDRESS)

|   |  |  |  |   |  |
|---|--|--|--|---|--|
| <b>MAIN STREET</b>  |  |  |  |   |  |
| <b>CREIGHTON, 3263</b>  |  |  |  |   |  |
| <b>SUPPLIER INFORMATION</b>   |  |  |  |   |  |
| NAME OF BIDDER  |  |  |  |   |  |
| POSTAL ADDRESS  |  |  |  |   |  |
| STREET ADDRESS  |  |  |  |   |  |
| TELEPHONE NUMBER  | CODE   |  | NUMBER   |   |  |
| CELLPHONE NUMBER  |  |  |  |   |  |
| FACSIMILE NUMBER  | CODE   |  | NUMBER   |   |  |
| E-MAIL ADDRESS  |  |  |  |   |  |
| VAT REGISTRATION NUMBER   |  |  |  |   |  |
| TAX COMPLIANCE STATUS   | TCS PIN:   |  | OR   | CSD No:   |  |
| B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE<br>[TICK APPLICABLE BOX]   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No                        | B-BBEE STATUS LEVEL SWORN AFFIDAVIT  |  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No |  |
| <b>[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES &amp; QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]</b> |  |  |  |   |  |
| <b>1. ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?</b>   | <input type="checkbox"/> Yes <input type="checkbox"/> No<br>[IF YES ENCLOSE PROOF] | <b>2. ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?</b> | <input type="checkbox"/> Yes <input type="checkbox"/> No<br>[IF YES, ANSWER PART B:3 ] |   |  |
| <b>3. TOTAL NUMBER OF ITEMS OFFERED</b>   |  | <b>4. TOTAL BID PRICE</b>  | R  |   |  |
| <b>5. SIGNATURE OF BIDDER</b>   | .....  | <b>6. DATE</b>   |  |   |  |
| <b>7. CAPACITY UNDER WHICH THIS BID IS SIGNED</b>   |  |  |  |   |  |
| <b>BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:</b>  |  |  | <b>TECHNICAL INFORMATION MAY BE DIRECTED TO:</b>                                       |   |  |
| DEPARTMENT  | BTO  |  | CONTACT PERSON   | PWBS  |  |
| CONTACT PERSON  | Miss N Holiwe  |  | TELEPHONE NUMBER   | 039 833 1039  |  |
| TELEPHONE NUMBER  | 039 833 1039   |  | FACSIMILE NUMBER   |   |  |
| FACSIMILE NUMBER  | 086 583 235  |  | E-MAIL ADDRESS   | dlaminiz@ndz.gov.za   |  |
| E-MAIL ADDRESS  | holiwen@ndz.gov.za   |  |  | mngadis@ndz.gov.za  |  |

## PART B TERMS AND CONDITIONS FOR BIDDING

### 1. BID SUBMISSION:

- 1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
- 1.2. **ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED-(NOT TO BE RE-TYPED) OR ONLINE**
- 1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.

### 2. TAX COMPLIANCE REQUIREMENTS

- 2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
- 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.
- 2.3 APPLICATION FOR THE TAX COMPLIANCE STATUS (TCS) CERTIFICATE OR PIN 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.
- 2.4 FOREIGN SUPPLIERS MUST COMPLETE THE PRE-AWARD QUESTIONNAIRE IN PART B:3.
- 2.5 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
- 2.6 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
- 2.7 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.

### 3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

- 3.1. IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?  YES  NO
- 3.2. DOES THE ENTITY HAVE A BRANCH IN THE RSA?  YES  NO
- 3.3. DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?  YES  NO
- 3.4. DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?  YES  NO
- 3.5. IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?  YES  NO

IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.

**NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.  
NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE.**

SIGNATURE OF BIDDER:

.....

CAPACITY UNDER WHICH THIS BID IS SIGNED:

.....

DATE:

.....

**DR. NKOSAZANA DLAMINI ZUMA MUNICIPALITY**

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STRATEGY**

**CONDITIONS OF THE BID**



**DR. NKOSAZANA DLAMINI ZUMA MUNICIPALITY  
PUBLIC WORKS AND BASIC SERVICES DEPARTMENT  
CONTRACT NO. PWBS:-B001/21/22 APPOINTMENT OF PANEL OF 4 ELECTRICAL  
SERVICE PROVIDER TO IMPLEMENT ELECTRICAL PROJECTS USING TURN-KEY  
STRATEGY**

**CONDITIONS OF THE BID**

**A. GENERAL**

1. Bid documents must be completed in black ink and prices must include VAT.
2. **All pages and annexure must be initialed / sign in full signature where required.**
3. The lowest or any bid will not necessarily be accepted and Dr. Nkosazana Dlamini-Zuma Municipality reserves the right to accept the whole or any part of a bid or to reject any or all the bid without stating the reasons thereof.
4. Bids are to remain open for acceptance for a period of ninety (90) days from the date they are lodged and may be accepted at any time during the said period of ninety (90) days.
5. All prices and details must be legible / readable to ensure the bid will be considered for adjudication.
6. Full details of services offered must be supplied together with the return documents. All additional documents returned with the bid documents must be firmly bound and marked as "**Additional**" to the specific bid reference number.
7. Only bids on Dr. Nkosazana Dlamini-Zuma Municipality official bid document will be accepted and the original document must be returned, fully completed and signed, in the form presented. **Failure to do so will invalidate such bid.**
8. **Use of correcting fluid is prohibited. In the event of a mistake having been made it shall be crossed out in ink and be accompanied by a full signature at each and every alteration. The Municipality reserves the right to reject the bid if corrections are not made in accordance with the above.**
9. Should it be considered necessary by the bidder that officials of Dr. Nkosazana Dlamini-Zuma Municipality should proceed to other centers for inspection purposes, such costs shall be for the account of the bidder.
10. This contract will be governed by Dr. Nkosazana Dlamini-Zuma Municipality "Conditions of the Bid" only and not any conditions supplied by the bidder.
11. The bidder must submit a comprehensive company profile, for example the founding company statements, as well as detailed exposition of previous work done.
12. The bidder is advised to check the number of pages and to satisfy himself that none are missing or duplicated.
13. Bids shall be lodged at the address indicated not later than the closing time specified for their receipt, and in accordance with the directives in the bid documents.
14. A specific box is provided for the receipt of bids, and no bid found in any other box or elsewhere subsequent to the closing date and time of bid will be considered.
15. No bid sent through the post will be considered if it is received after the closing date and time stipulated in the bid documentation, and proof of posting will not be accepted as proof of delivery.
16. No bid submitted by telefax, telegraphic or other electronic means will be considered.
17. Bids will be opened in public as soon as practicable after the closing time of bid and prices are made public at the time of opening bids.

## **B. DEMONSTRATIONS AND INSPECTIONS**

1. All bidders must be prepared to demonstrate where required, free of charge and obligation, at the Dr. Nkosazana Dlamini-Zuma Municipality or any other area within the boundary of the Dr. Nkosazana Dlamini-Zuma Municipality, any services offered in this bid.
2. Where officials are required to attend demonstrations or inspections outside the boundary of the Dr. Nkosazana Dlamini-Zuma Area, all costs to attend such demonstration must be borne by the bidder

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**SCOPE OF WORK**

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## **1. SCOPE OF WORK**

Dr Nkosazana Dlamini Zuma Local Municipality is in the process of appointing Professional Electrical Engineers for the provision of Professional Engineering Services on Turnkey basis. The appointed Firm will provide the professional services that will comprise five (5) stages which includes the **Initial Site Investigation, Survey, Preliminary Design in report format, Detail Design in report format, Construction and Project Management, Handover and Closeout processes**. The above stages will include all the necessary liaison and approval of the networks for self-built electrification projects by Eskom and will be built strictly to Eskom standard.

## **2. PROJECT DESCRIPTION**

Interested bidders should be able to provide the following services:

- Detailed network design (MV, LV, AIRDACS AND Meters and bases HH CONNECTIONS)
- Prepare contract Documentation
- Construction Supervision for the duration of the project
- Implementation of the project (Construction)
- Prepare monthly reports and submit it to Dr Nkosazana Dlamini Zuma Local Municipality
- Comply with all Municipal requirements, Eskom and Department of Energy.

The Service Provider will be required to provide the services below:

### **PHASE 1**

#### **Stage 1**

#### **1. PLANNING, STUDIES, INVESTIGATIONS AND ASSESSMENTS**

- (1) Consultation with the client or client's authorized representative.
- (2) Inspection of the site of the project.
- (3) Preliminary investigation, planning and a level of design appropriate to allow decisions on feasibility.
- (4) Consultation with authorities having rights or powers of sanctions.
- (5) Advice to the client as to regulatory and statutory requirements, including environmental management and the need for surveys, analyses, tests and site or other investigations, as well as approvals, where such are required for the

compilation of the report, and arranging for these to be carried out at the client's expense.

- (6) Searching for, obtaining, investigating and collating available data, drawings and plans relating to the works.
- (7) Investigating financial and economic implications relating to the proposals or feasibility studies.

Deliverables will typically include:

- Collation of information.
- Reports on technical and financial feasibility and related implications.
- List of consents and approvals.
- Schedule of required surveys, tests, analyses, site and other investigations.

## **2. NORMAL SERVICES**

- (1) Assist in developing a clear project brief.
- (2) Attend project initiation meetings.
- (3) Advise on procurement policy for the project.
- (4) Advise on rights, constraints, consents and approvals.
- (5) Define the scope of services and scope of work required.
- (6) Conclude the terms of the agreement with the client.
- (7) Inspect the site and advise on the necessary surveys, analyses, tests and site or other investigations where such information will be required for Stage 2 including the availability and location of infrastructure and services.
- (8) Determine the availability of data, drawings and plans relating to the project.
- (9) Advise on criteria that could influence the project life cycle cost significantly.
- (10) Provide necessary information within the agreed scope of the project to other consultants involved.

Deliverables will typically include:

- Agreed scope of services and scope of work.
- Signed agreement.
- Report on project, site and functional requirements.

## **STAGE 2 – CONCEPT AND VIABILITY (OFTEN CALLED PRELIMINARY DESIGN)**

- (1) Establish the concept design criteria.
- (2) Prepare initial concept design and related documentation.
- (3) Advise the client regarding further surveys, analyses, tests and investigations, which may be required.
- (4) Establish regulatory authorities' requirements and incorporate into the design.
- (5) Prelim Design package inclusive of Drawings, Stakeholder Presentations,
- (6) Transformer Diagnostics, Voltage Profiles (PDF), Signed & Approved Stakeholders Comments – (Both Dr Nkosazana Dlamini Zuma and Eskom), TEF Presentations and Comments. Establish access, utilities, services and connections required for the design.
- (7) Prepare process designs (where required), preliminary designs, and related documentation for approval by authorities and client and suitable for costing.
- (8) Provide cost estimates and life cycle costs as required.
- (9) Liaise, co-operate and provide necessary information to the client.

Typical deliverables will include:

- Concept design.
- Schedule of required surveys, tests and other investigations and related reports.
- Process design.
- Preliminary design.
- Cost estimates as required.

### **STAGE 3 –**

#### **4. DESIGN DEVELOPMENT (ALSO TERMED DETAIL DESIGN)**

- (1) Incorporate client's and authorities detailed requirements into the design.
- (2) Prepare design development drawings including draft technical details and specifications.
- (3) Review and evaluate design and outline specification and exercise cost control.
- (4) Prepare detailed estimates of DESIGN cost. Final Design Package inclusive but not limited to the following: Design drawings with Trfr prefixes, Survey Design, Market DD's, Constructability Plan, minutes of Constructability meeting with relevant CNC, Eskom Signed and Approved Package. 3 Sets of Constructions Drawings signed by Eskom.

Typical deliverables will include:

- Design development drawings.

- Outline specifications.
- Local and other authority submission drawings and reports.
- Detailed estimates of DESIGN costs.

## **STAGE 4 –**

### **4. DOCUMENTATION AND PROCUREMENT**

- (1) Prepare specifications and preambles for the works.
- (2) Accommodate services design.
- (3) Check cost estimates and adjust designs and documents if necessary to remain within budget.
- (4) Prepare documentation for contractor procurement.
- (5) Review designs, drawings and schedules for compliance with approved budget.
- (6) Assist in calling for bids and / or negotiation of prices.
- (7) Assist with the preparation of contract documentation for signature.
- (8) Assess samples and products for compliance and design intent.

Typical deliverables will include:

- Specifications.
- Services co-ordination.
- Working drawings.
- Budget DESIGN cost.
- Tender documentation.
- Priced contract documentation.

## **Phase 2**

### **STAGE 5**

#### **6. CONTRACT ADMINISTRATION AND INSPECTION**

- (1) Attend site handover.
- (2) Issue DESIGN documentation in accordance with the documentation schedule including, long section details, cross section details, drainage, earthworks, markings and signage.
- (3) Carry out contract administration procedures in terms of the contract.
- (4) Prepare schedules of predicted cash flow.
- (5) Prepare proactive estimates of proposed variations for client decision making.

- (6) Attend regular site, technical and progress meetings.
- (7) Inspect works for conformity to contract documentation.
- (8) Adjudicate and resolve financial claims by contractor(s).
- (9) Assist in the resolution of contractual claims by the contractor.
- (10) Establish and maintain a financial control system.
- (11) Clarify details and descriptions during DESIGN as required.
- (12) Prepare valuations for payment certificates to be issued.
- (13) Witness and review of all tests and mock ups carried out both on and off site.
- (14) Check and approve contractor drawings for design.
- (15) Update and issue drawings register.
- (16) Issue contract instructions as and when required.
- (17) Review and comment on operation and maintenance manuals, guarantee certificates and warranties.
- (18) Inspect the works and issue practical completion and defects lists.
- (19) Arranging for the delivery of all test certificates, statutory and other approvals, as built drawings and operating manuals.

Typical deliverables will include:

- Predicted project program
- Schedule of predicted cash flow.
- DESIGN documentation.
- Drawing register.
- Estimates for proposed variations.
- Contract instructions.
- Financial control reports.
- Monthly progress reports
- Valuations for payment certificates.
- Progressive and draft final account(s).
- Practical completion and defects list.
- Test results and certificates of compliance.



## 6. IMPLEMENTATION OF PROJECT

The appointed Service Provider is expected to undertake all electrical house connection within specified wards and ensure to energize the project.

### STAGE 7 –

#### 8. CLOSE OUT

- (1) Inspect and verify the rectification of defects.
- (2) Receive, comment and approve relevant payment valuations and completion certificates.
- (3) Prepare and / or procure operations and maintenance manuals, guarantees and warranties.
- (4) Prepare and / or procure as-built drawings and documentations.
- (5) Conclude the final accounts where relevant.

Typical deliverables will include:

- Valuations for payment certificates.
- Works and final completion lists.
- Operations and maintenance manuals, guarantees and warranties.
- As-built drawings and documentation.
- Final accounts.
- Schedule of required surveys, tests, analyses, site and other investigations.
- Schedule of consents and approvals.

#### 8. ADDITIONAL SERVICES

Establish boundary pegs for properties adjacent to the road to ensure that no encroachment into road servitude or into private properties.

#### 9. CONSTRUCTION MONITORING

**The consultant is required to conduct this stage at LEVEL 2 Construction monitoring (i.e. Normal service):**

The consulting engineer's staff shall:-

- i. Regularly visit the site at a frequency which may vary during the course of the project, and such visits may be daily or weekly, according to the demands of the project.
- ii. Regularly, review samples of materials and work procedures that may require more frequent visits than required for Level 1, for conformity to contract documentation, and review regular samples of important completed work prior to covering up, or on completion, as appropriate.
- iii. Where the consulting engineer is the sole professional service provider or principal agent, carry out such administration of the project as is necessary on behalf of the client.

**10. OCCUPATIONAL HEALTH AND SAFETY ACT, 1993 (ACT NO. 85 OF 1993)**


- 10.1 The consulting engineer must arrange, formally and in writing, for the contractor to provide documentary evidence of compliance with all the requirements of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993).
- 10.2 The consulting engineer must execute the duties of the client, as his appointed agent, as contemplated in the DESIGN Regulations to the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993).

**11. Expanded Public Works Program (EPWP) REQUIREMENTS**

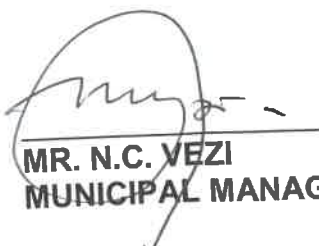
The Service Provider is to assist the Municipality to ensure that the Municipality is able to comply with the requirements of the EPWP Programme, i.e. assist with the completion of the Municipality's Business Plan, beneficiary list, monthly reporting and other associated functions.

Dr. Nkosazana Dlamini Zuma Municipality requires that the successful service provider to undertake monthly presentations regarding progress on the projects, therefore it is important that the Service Provider on a monthly basis provides photographs, reports, etc. highlighting progress as well as completing the necessary close out reports when the project is complete.

RECOMMENDED BY:

  
**MR. S.V MNGADI**  
**SENIOR MANAGER: PWBS**

APPROVED BY:

  
**MR. N.C. VEZI**  
**MUNICIPAL MANAGER**

**DR. NKOSAZANA DLAMINI ZUMA MUNICIPALITY**

**PUBLIC WORKS AND BASIC SERVICES DEPARTMENT**

**CONTRACT NO. PWBS-:B001/21/22**

**A PANEL OF 4 (FOUR) ELECTRICAL SERVICE PROVIDER TO  
DESIGN AND IMPLEMENT ELECTRIFICATION PROJECTS FOR  
A PERIOD OF 3 YEARS IN PHASES USING TURNKEY  
STRATEGY**

**EVALUATION CRITERIA**

**DR. NKOSAZANA DLAMINI ZUMA MUNICIPALITY  
PUBLIC WORKS AND BASIC SERVICES DEPARTMENT  
CONTRACT NO. PWBS-:B001/21/22 APPOINTMENT OF PANEL OF 4 ELECTRICAL  
SERVICE PROVIDER TO IMPLEMENT ELECTRICAL PROJECTS USING TURN-KEY  
STRATEGY**

**EVALUATION CRITERIA**

**1. Evaluation Methodology**

The evaluated and adjudicated based on functionality and 80/20-point system

**1. First Stage of Evaluation: Compliance with Requirements**

**The proposals will be checked to ensure that they comply with the requirements of the project document. In particular, the following documentation must be included in the Proposals:-**

| <b>COMPULSORY DOCUMENTS</b>  | <b>TICK</b> |
|--|-------------|
| a) Proof of registration with CSD- starting with (MAAA)  |             |
| b) Joint Venture Agreement (if necessary)  |             |
| c) -Attach updated municipal rates statement not in arrears for more than 90 days<br><br>Or<br><br>-Attach a valid lease agreement if the director is leasing offices/ residential Property with a confirmation letter from the landlord.<br><br>Or<br>- Attach a letter of exemption from the relevant municipality<br><br>Or<br>- Attach affidavit if the Municipal Account is under your parents or siblings and they are responsible for paying municipal rates( if the address is the same as yours) and attach the copy of the Municipal rates for the above mentioned.<br>-<br>Or<br>- Attach copy of a marriage certificate if Municipal account is under your spouse. |             |
| d) Form of offer fully completed   |             |
| e) MBD 1,4,6,2,8,9 and Annexures C,D & E fully completed   |             |
| f) CIDB Grading 4EP  |             |
| g) The tenderer must sub-contract a minimum of 30% of the contract value to  |             |
| h) EMEs or QSEs which are 51% owned by either of the following:<br>Blacks,   |             |
| i) Black women   |             |

**NB: Failure to submit the above documents will automatically disqualify your bid.**

| <b>DOCUMENTS TO BE SUBMITTED</b>  | <b>TICK</b> |
|---|-------------|
| a) Certified Copies of CK Documents / Sole proprietary  |             |
| b) Valid Tax clearance certificate (with your pin number print and attach on the document Tax Clearance Certificate)  |             |
| c) Certified BBBEE verification certificate for Preferential points claim or sworn affidavit  |             |
| d) Certified copies of Identification documents of all members/directors of the entity  |             |
| e) Proposed project implementation schedule   |             |
| f) Forms A,B, C ,D,E and F which will be used in the evaluation stage   |             |
| g) Proof of Professional Indemnity insurance  |             |
| h) ECSA Professional registration (in Electrical Engineering Field)   |             |
| i) All information supporting the above forms such as Curriculum Vitae, copies of qualification for key personnel, details of ownership, relevant experience etc. |             |
| j) Proposed Technical Team (ECSA Professionally Registered persons)   |             |
| k) Company profile and experience on similar projects   |             |
|   |             |
|   |             |
|   |             |

## 2. Second Stage of Evaluation: Functionality (Professional Team)

The proposals will be assessed in terms of -

- **Relevant Experience** – that is relevant experience of the Company in carrying out similar projects. The maximum score for the relevant experience is **25 points**.
- **Key Personnel** – the qualification and experience of the proposed key personnel. The maximum score for the relevant experience is **15 points**.
- **Methodology** – the Company must demonstrate that he understands the scope of the project and the tasks required to effect its successful completion. The maximum score for the methodology is **40 points**.

A brief description of the scoring system is given below. A tabulated score sheet will be used in the evaluation.

| Key aspect of criterion   | Basis for points allocation   | Max. Points           | Actual Score | Verification Method  |
|---|---|-----------------------|--------------|--|
| <b>RELEVANT EXPERIENCE: Experience of the Company in carrying out similar projects (25)</b>   |   |                       |              |  |
| Name of traceable reference with contact details to be included for verification  | 5 similar (Electrical Turn-Key strategy projects ) successful projects in the last 10 years   | 25                    |              | Bidder to submit appointment letter and reference letters  |
|   | 4 similar (Electrical Turn-Key strategy projects ) successful projects in the last 10 years   | 20                    |              | Bidder to submit appointment letter and reference letters  |
|   | 3 similar (Electrical Turn-Key strategy projects ) successful projects in the last 10 years   | 15                    |              | Bidder to submit appointment letter and reference letters  |
|   | 2 similar (Electrical Turn-Key strategy projects ) successful projects in the last 10 years   | 10                    |              | Bidder to submit appointment letter and reference letters  |
|   | 1 similar (Electrical Turn-Key strategy projects ) successful projects in the last 10 years   | 5                     |              | Bidder to submit appointment letter and reference letters  |
|   | No similar (Electrical Turn-Key strategy projects ) successful projects in the last 10 years  | Non-responsive Tender |              | Nil  |
| <i>If the Consultant cannot demonstrate the necessary relevant experience via at least one successfully completed similar project, then the bid will be deemed non-responsive and will be rejected.</i>   |   |                       |              |  |
| <b>KEY PERSONNEL: The qualification and experience of the proposed key personnel (15)</b>   |   |                       |              |  |
| It is essential that the Consultant provides suitably qualified personnel to carry out the project. Three key functions have been identified and the Proposal will be evaluated on the qualifications and experience of the personnel who will carry out these functions. The functions are:- |   |                       |              |  |
| <b>Project Manager</b>  | If PM has 10 years' experience and has completed similar projects in the capacity of Project Manager, and registered as professional PM | 7                     |              | Certified copy of Qualification to be attached with detailed CV's, and certified copy of proof of registration with professional body PCPM/PPM |
|   | If PM has 5 years' experience and has completed similar projects in the capacity of Project Manager, and registered as professional PM  | 5                     |              | Certified copy of Qualification to be attached with detailed CV's, and certified copy of proof of registration with professional               |

|  |   |   |  |  |
|--|---|---|--|--|
|  |   |   |  | body PCPM/PPM  |
|  | If PM has 2 years' experience and has completed similar projects in the capacity of Project Manager or lower level, and registered as professional PM | 4 |  | Certified copy of Qualification to be attached with detailed CV's, and certified copy of proof of registration with professional body PCPM/PPM   |
|  | If PM is NOT registered with relevant body as Professional regardless of experience.  | 0 |  | Nil  |
| <b>Design Engineer/<br/>Technologist</b> | If Designer has 10 years' experience and has completed similar projects in the capacity of a Designer, and registered as professional Eng./Tech       | 5 |  | Certified copy of Qualification (Minimum NQF 7 in Electrical Engineering Degree/ B-Tech) to be attached with detailed CV's, and certified copy of proof of registration with professional body ECSA as professional Engineer/Technologist. |
|  | If Designer has 5 years' experience and has completed similar projects in the capacity of a Designer, and registered as professional Eng./Tech        | 3 |  | Certified copy of Qualification (Minimum NQF 7 in Electrical Engineering Degree/ B-Tech) to be attached with detailed CV's, and certified copy of proof of registration with professional body ECSA as professional Engineer/Technologist. |
|  | If Designer has 2 years' experience and has completed similar projects in the capacity of a Designer, and registered as professional Eng./Tech        | 2 |  | Certified copy of Qualification (Minimum NQF 7 in Electrical Engineering Degree/ B-Tech) to be attached with detailed CV's, and certified copy of proof of registration with professional  |

|                          |   |   |  |  |
|--------------------------|---|---|--|--|
|                          |   |   |  | body ECSA as professional Engineer/Technologist.   |
|                          | If Designer has designed any projects in the last 5 years, and registered as professional Eng./Tech | 1 |  | Certified copy of Qualification (Minimum NQF 7 in Electrical Engineering Degree/ B-Tech) to be attached with detailed CV's, and certified copy of proof of registration with professional body ECSA as professional Engineer/Technologist. |
|                          | If Designer is NOT registered with relevant body PR regardless of experience.                       | 0 |  | Nil  |
| <b>Resident Engineer</b> | If RE has 10 years' experience and has completed similar projects.                                  | 3 |  | Certified copy of Qualification (Minimum National Diploma in Electrical Engineering) to be attached with detailed CV's.  |
|                          | If RE has 8 years' experience and has completed similar projects.                                   | 2 |  | Certified copy of Qualification (Minimum National Diploma in Electrical Engineering) to be attached with detailed CV's.  |
|                          | If RE has 5 years' experience and has completed similar projects.                                   | 1 |  | Certified copy of Qualification (Minimum National Diploma in Electrical Engineering) to be attached with detailed CV's.  |
|                          | If RE has not completed similar projects in the last 5 years, regardless of other experience.       | 0 |  | Nil  |

The Design Engineer / Technologist MUST be registered as Professional Engineers or Professional Engineering Technologists with the Engineering Council of South Africa (ECSA). Proof of registrations must be included in the Proposal. **The proposed Project Manager must be in the direct employment of the Consultant.**



In addition all of the above personnel must have the requisite minimum years' experience in their respective fields, failing which points will not be awarded. Points will be awarded based on the number of similar projects undertaken as Consultant by the relevant personnel as per the tabulated score card. If the proposed person has not undertaken a similar project in 5 years, then no points will be awarded for that person.

***If the Consultant cannot demonstrate the necessary level of experience and professional registration of his key staff, then the bid will be deemed no-responsive and will be rejected.***

**METHODOLOGY:** The proposal must demonstrate that the consulting engineering firm understands the challenges posed by project. Highlighting the number of project specific challenges indicated under each of the tasks listed below will be necessary to achieve maximum points for methodology. (40)

|   |                                   |    |  |  |
|---|-----------------------------------|----|--|--|
| <b>Execution Method Statement relevant to the project</b> | Inception                         | 10 |  | Detailed Method statement to cover the key aspect of project Inception                           |
|   | Planning                          | 10 |  | Detailed Method statement to cover the key aspect of project Planning                            |
|   | Execution                         | 10 |  | Detailed Method statement to cover the key aspect of project Execution                           |
|   | Monitoring, Execution and Closure | 10 |  | Detailed Method statement to cover the key aspect of project Monitoring, Evaluation and Closure. |

**NOTE: If the Consultant scores less than 70% points for functionality, then the bid will be deemed non-responsive and will not be considered for further evaluation.**

## SELECTION OF THE CONTRACTOR

### Scoring quality (functionality)

Only tenderers who will achieve a score of more than **70 points** of the total available points will qualify for stage two of the evaluation.

The criteria to be used to evaluate the proposals for functionality (stage 1) will be as follows:

#### Points

1. Relevant Experience of Enterprise = 35
2. Experience of Key Personnel = 40
3. Availability of relevant plant and equipment resources = 25

| KEY ASPECT OF CRITERION   | BASIS FOR POINTS ALLOCATION   | MAX POINTS | VERIFICATION METHOD  |
|---|---|------------|--|
| Relevant Experience of the contractor in Electrification Projects | 3 x completed Electrification Projects and rehabilitation projects) in the last 5 years. Bidders to submit a letter of appointment, completion certificate and Letter of reference. | 35         | Completion Certificate and Letter of reference                                   |
|   | 2 x completed Electrification Projects and rehabilitation projects) in the last 5 years. Bidders to submit a letter of appointment, completion certificate and Letter of reference. | 20         | Completion Certificate and Letter of reference                                   |
|   | 1 x completed Electrification Projects and rehabilitation projects) in the last 5 years. Bidders to submit a letter of appointment, completion certificate and Letter of reference. | 10         | Completion Certificate and Letter of reference                                   |
| Qualifications and CV's of Contracts Manager                      | National Diploma in Electrical Engineering or Project Management with <b>3 years' experience</b> in Electrification Projects  | 10         | Certified copy of qualification to be attached with detailed CV                  |
|   | National Diploma in Electrical Engineering or Project Management with <b>2 years' experience</b> in Electrification Projects  | 7          | Certified copy of qualification to be attached with detailed CV                  |
|   | National Diploma in Electrical Engineering or Project Management with <b>1 year experience</b> in Electrification Projects  | 5          | Certified copy of qualification to be attached with detailed CV                  |
| Qualifications and CV's of Site Agent                             | National Diploma in Electrical Engineering with <b>3 years' experience</b> in Electrification Projects and Valid HV and LV connection Permit  | 15         | Certified copy of qualification and HV&LV permit to be attached with detailed CV |

|  |   |           |   |
|--|---|-----------|---|
|  | National Diploma in Electrical Engineering with <b>3 years' experience</b> in Electrification Projects and Valid HV and LV connection Permit  | 10        | Certified copy of qualification and HV&LV permit to be attached with detailed CV  |
|  | National Diploma in Electrical Engineering with <b>3 years' experience</b> in Electrification Projects and Valid HV and LV connection Permit  | 5         | Certified copy of qualification and HV&LV permit to be attached with detailed CV  |
| <b>Qualifications and CV's of Site Foreman</b>                   | 10 or more years of experience in Electrification Projects and Valid HV&LV connection Permit  | <b>15</b> | Detailed CV and HV&LV permit to be attached with clear experience and reference   |
|  | 5- 9 years of experience in Electrification Projects and Valid HV&LV connection Permit  | 10        | Detailed CV and HV&LV permit to be attached with clear experience and reference   |
|  | 1-4 more years of experience in Electrification Projects and Valid HV&LV connection Permit  | 5         | Detailed CV and HV&LV permit to be attached with clear experience and reference   |
| <b>Availability of relevant plant and equipment ( Resources)</b> | If the <b>bidder owns</b> all the required construction plant and equipment for electrification projects ( <b>crane trucks</b> ). ( proof of ownership e.g logbook)   | <b>25</b> | Proof of owner ship of all the required plant and Equipment, e.g Logbooks and proof of purchase                                       |
|  | If the <b>bidder owns some</b> of the plant & Equipment <b>and will hire the other</b> required plant & Equipment for electrification projects ( <b>crane trucks</b> ). ( proof of ownership e.g logbook and pro-forma agreement with plant hire) | 15        | Proof of owner ship of all the required plant and Equipment, e.g Logbooks and proof of purchase + Pro-forma agreement with plant hire |
|  | If the bidder will hire all the required plant and equipment for electrification projects ( <b>crane trucks</b> ). ( pro-forma agreement with plant hire)   | 10        | Pro-forma agreement with plant hire   |

### 3. The Third Evaluation stage: Calculation of Price and BBEE Verification Status points

**Price:** The formula will be used to calculate the price points. A maximum of 80 points will be awarded for price

**Preference:** The applicable table will be used to allocate preference points. A maximum of 20 points will be allocated for B-BBEE status level in accordance with the table below:

### 4. Summary

In summary, the points system for the evaluation of the technical proposal in terms of Functionality, Price and BBEE Verification Points is as below

#### Functionality

|                       |                  |
|-----------------------|------------------|
| • Relevant Experience | 25 points        |
| • Key Personnel       | 15 points        |
| • Methodology         | <u>40 points</u> |
| <b>Total</b>          | <b>80 points</b> |

**Note:** If the Consultant scores less than 70% points for functionality, then the bid will be deemed no-responsive and will not be considered for further evaluation.

#### Price and Preference

|                              |                   |
|------------------------------|-------------------|
| • Price                      | 80 points         |
| • B-BBEE verification status | <u>20 points</u>  |
| <b>Total</b>                 | <b>100 points</b> |

**DR. NKOSAZANA DLAMINI ZUMA MUNICIPALITY**

**PUBLIC WORKS AND BASIC SERVICES DEPARTMENT**

**CONTRACT NO. PWBS-:B001/21/22**

**A PANEL OF 4 (FOUR) ELECTRICAL SERVICE PROVIDER TO  
DESIGN AND IMPLEMENT ELECTRIFICATION PROJECTS FOR  
A PERIOD OF 3 YEARS IN PHASES USING TURNKEY  
STRATEGY**

**FORMS TO BE COMPLETED BY THE BIDDER**

| <u>Description</u>  | <u>Page</u> |
|---|-------------|
| 15. Form A: Certificate of consultant's attendance at the clarification meeting ..... | 2           |
| 16. Form B: Certificate of authority for signatory .....                              | 2           |
| 17. Form C: Relevant Experience .....   | 2           |
| 18. Form D: Key Personnel.....  | 2           |
| 19. Form E: Methodology.....  | 5           |
| 20. Form F: Certificate of good standing .....  | 2           |
| 21. Form G: Proof of professional indemnity insurance .....                           | 2           |

**DR. NKOSAZANA DLAMINI ZUMA MUNICIPALITY  
PUBLIC WORKS AND BASIC SERVICES DEPARTMENT  
CONTRACT NO. PWBS-:B001/21/22 APPOINTMENT OF PANEL OF 4 ELECTRICAL  
SERVICE PROVIDER TO IMPLEMENT ELECTRICAL PROJECTS USING TURN-KEY  
STRATEGY**

**FORM A: CERTIFICATE OF ATTENDANCE AT THE CLARIFICATION MEETING**

This is to certify that I,

.....

representative of (Consultant) .....

.....

of (address) .....

.....

.....

telephone number .....(.....).....

fax number .....(.....).....

e-mail .....

attended the clarification meeting on (date) .....

I CERTIFY that I am satisfied with the description of the work and explanations given by the said Employer's Representative and that I understand perfectly what is required in compiling my proposal.

CONSULTANT'S REPRESENTATIVE: (Signature).....

EMPLOYER'S REPRESENTATIVE: (Signature) .....

Name (print) .....

**DR. NKOSAZANA DLAMINI ZUMA MUNICIPALITY  
PUBLIC WORKS AND BASIC SERVICES DEPARTMENT  
CONTRACT NO. PWBS--B001/21/22 APPOINTMENT OF PANEL OF 4 ELECTRICAL  
SERVICE PROVIDER TO IMPLEMENT ELECTRICAL PROJECTS USING TURN-KEY  
STRATEGY**

**FORM B: CERTIFICATE OF AUTHORITY FOR SIGNATURE**

**1. CONSULTANT**

1.1 A "Certificate of Authority" to sign all documents in connection with this proposal and any contract or agreement which may arise there from, duly signed and dated, shall be provided by the Board of Directors of the firm and shall be attached to this page. An example is given below.

**2. JOINT VENTURE**

2.1 The document of formation of the Joint Venture shall be attached to this page.

2.2 A "Certificate of Authority" to sign all documents in connection with this Bid and any contract or agreement which may arise there from, duly signed and dated, shall be provided by the Boards of Directors of each member of the Joint Venture and shall be attached to this page.

**EXAMPLE OF A CERTIFICATE OF AUTHORITY FOR SIGNATORY**

"By resolution of the board of directors passed at a meeting held on .....

Mr/Ms....., whose signature appears below, has been duly authorized

to sign all documents in connection with this Request for Proposals and any contract which may arise there from on behalf of

(Name of company or JV - block capitals) .....

SIGNED ON BEHALF OF THE COMPANY: .....

IN HIS/HER CAPACITY AS: .....

DATE: .....

SIGNATURE OF SIGNATORY: .....

WITNESSES: 1. ....

2. ....



**DR. NKOSAZANA DLAMINI ZUMA MUNICIPALITY  
PUBLIC WORKS AND BASIC SERVICES DEPARTMENT  
CONTRACT NO. PWBS-:B001/21/22 APPOINTMENT OF PANEL OF 4 ELECTRICAL  
SERVICE PROVIDER TO IMPLEMENT ELECTRICAL PROJECTS USING TURN-KEY  
STRATEGY**

**FORM C: RELEVANT EXPERIENCE**

The Bidder shall enter in the spaces provided below a list of relevant Access Roads projects. This information is deemed to be material to the award of the contract and is taken into account in the calculation of the adjudication points. Consulting Engineers need to only provide details of projects of a similar size and nature carried out in the past 10 years. It is essential that full details of the projects and of the Employer / Engineer references be provided in order for the projects to be evaluated and points awarded.

The date of the certificate of completion must be provided.

Failure to provide the necessary information will compromise the proposal.

| Employer<br>(Name, Tel. No.<br>or Fax No.)             | Details of Project | Value of<br>Work<br>(fees) | Year |
|--|--------------------|----------------------------|------|
| Client:.....<br>Person:.....<br>Tel:.....<br>Fax:..... |                    |                            |      |
| Client:.....<br>Person:.....<br>Tel:.....<br>Fax:..... |                    |                            |      |
| Client:.....<br>Person:.....<br>Tel:.....<br>Fax:..... |                    |                            |      |

**DR. NKOSAZANA DLAMINI ZUMA MUNICIPALITY  
PUBLIC WORKS AND BASIC SERVICES DEPARTMENT  
CONTRACT NO. PWBS-:B001/21/22 APPOINTMENT OF PANEL OF 4 ELECTRICAL  
SERVICE PROVIDER TO IMPLEMENT ELECTRICAL PROJECTS USING TURN-KEY  
STRATEGY**

**FORM C: RELEVANT EXPERIENCE (Continued)**

| Employer<br>(Name, Tel. No.<br>or Fax No.)             | Details of Project | Value of<br>Work<br>(fees) | Year |
|--|--------------------|----------------------------|------|
| Client:.....<br>Person:.....<br>Tel:.....<br>Fax:..... |                    |                            |      |
| Client:.....<br>Person:.....<br>Tel:.....<br>Fax:..... |                    |                            |      |
| Client:.....<br>Person:.....<br>Tel:.....<br>Fax:..... |                    |                            |      |

**SIGNED ON BEHALF OF THE CONSULTANT**

.....

**DR. NKOSAZANA DLAMINI ZUMA MUNICIPALITY  
PUBLIC WORKS AND BASIC SERVICES DEPARTMENT  
CONTRACT NO. PWBS--B001/21/22 APPOINTMENT OF PANEL OF 4 ELECTRICAL  
SERVICE PROVIDER TO IMPLEMENT ELECTRICAL PROJECTS USING TURN-KEY  
STRATEGY**

**FORM D: KEY PERSONNEL**

Consultants shall enter in the table below information in respect of the key personnel who will be engaged on the project. Abbreviated Curricula Vitae, which specifically address the questions posed in the Point Scoring Check for Functionality, including the relevant certificates, to support the stated information must be included in the proposal together with a copy of this form.

| <b>Designation</b>              | <b>Name</b> | <b>Qualification</b> | <b>Years' Experience</b> | <b>ECSA Registration Number</b> |
|---------------------------------|-------------|----------------------|--------------------------|---------------------------------|
| Project Manager                 |             |                      |                          |                                 |
| Design Engineer or Technologist |             |                      |                          |                                 |
| Resident Engineer               |             |                      |                          |                                 |

**SIGNED ON BEHALF OF THE CONSULTANT**

.....

**DR. NKOSAZANA DLAMINI ZUMA MUNICIPALITY  
PUBLIC WORKS AND BASIC SERVICES DEPARTMENT  
CONTRACT NO. PWBS-:B001/21/22 APPOINTMENT OF PANEL OF 4 ELECTRICAL SERVICE  
PROVIDER TO IMPLEMENT ELECTRICAL PROJECTS USING TURN-KEY STRATEGY**

**FORM E:    METHODODOLOGY**

The Bidder shall confirm, by completing and signing this form that he fully understands the scope of the professional services required and the procedure to be used for evaluating the methodology contained in his Proposal. The Consultant shall list the aspects of the project covered by his methodology in the table below. Further amplification may be made in a separate, maximum 3-page submission.

| ITEM | DESCRIPTION |
|------|-------------|
|      |             |

**SIGNED ON BEHALF OF THE CONSULTANT.....**

**DR. NKOSAZANA DLAMINI ZUMA MUNICIPALITY  
PUBLIC WORKS AND BASIC SERVICES DEPARTMENT  
CONTRACT NO. PWBS-:B001/21/22 APPOINTMENT OF PANEL OF 4 ELECTRICAL SERVICE  
PROVIDER TO IMPLEMENT ELECTRICAL PROJECTS USING TURN-KEY STRATEGY**

**FORM F: PROOF OF PROFESSIONAL INDEMNITY**

The Bidder shall attach to this page proof of his professional indemnity insurance showing the scope of that insurance. The PI insurance shall be valid until the anticipated end of the design and Bid stage.

In the case of a joint venture or consortium, each party shall prove its professional indemnity insurance.

Further proof of insurance shall be provided for the construction stage.

In the event of annual insurance policy certificates being issued, updated proof shall be supplied to the Employer as required.

If the required information is not provided, then the Bid may be deemed to be non-responsive and therefore rejected.

**SIGNED ON BEHALF OF THE CONSULTANT:**

.....

## TAX CLEARANCE CERTIFICATE REQUIREMENTS

**It is a condition of bid 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.**

1. In order to meet this requirement bidders are required to complete in full the attached 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. 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.
3. 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.
2. In bids where Consortia / Joint Ventures / Sub-contractors are involved, each party must submit a separate Tax Clearance Certificate.
3. 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](http://www.sars.gov.za).
4. Applications for the Tax Clearance Certificates may also be made via eFiling. In order to use this provision, taxpayers will need to register with SARS as eFilers through the website [www.sars.gov.za](http://www.sars.gov.za).

## PRICING SCHEDULE YEAR ONE

MBD 3.3

|                       |                     |
|-----------------------|---------------------|
| Name of Bidder: _____ | Bid Number: _____   |
| Closing Time: _____   | Closing Date: _____ |

OFFER TO BE VALID FOR 90 DAYS FROM THE CLOSING DATE OF BID.

| ITEM NO. | DESCRIPTION | BID PRICE IN RSA CURRENCY (INCLUDING VAT) |
|----------|-------------|---|
|----------|-------------|---|

1. The accompanying information must be used for the formulation of proposals
2. Bidders are required to indicate a ceiling price based on the total estimated time for completion of all phases and including all expenses inclusive of VAT for the project.

R \_\_\_\_\_

| Number of Units to be Constructed in year one   | Cost per connection including meters & basis | Construction Cost excl contingences | Contingences (10%) | Indirect Cost & Disbursements/ Proposed fees (%) | TOTAL PROJECT COST INCLUDING CONTINGENCES (Amount) |
|---|--|-------------------------------------|--------------------|--|--|
| <b>APPOINTMENT OF A PANEL OF 4 (FOUR) ELECTRICAL SERVICE PROVIDER TO DESIGN AND IMPLEMENT ELECTRIFICATION PROJECTS FOR A PERIOD OF 3 YEARS IN PHASES USING TURNKEY STRATEGY</b> |  |                                     |                    |  |  |

## BILL NO 1 - PRELIMINARY AND GENERAL

| PWBS |  | ENQUIRY NO<br>DD/FM     |      |                 |                 |                 |                       |
|------|--|-------------------------|------|-----------------|-----------------|-----------------|-----------------------|
|      | Description  | Detail<br>Referen<br>ce | Unit | Fixed<br>Charge | Time<br>Related | Install<br>Rate | Total<br>Price<br>(R) |
|      | <b>Conditions of Contract</b>  |                         |      |                 |                 |                 | R<br>-                |
| 1.1  | Contractual requirements including, amongst others, Insurance of Works, Transport & Residence, Preparation of Site Camp, maintenance of fire-breaks, Dismantling of Site Camp & restoration to original condition, Attendance to meetings, liaison & co-ordination with TSC, roads authority, SAPS for outages, Handing Over as per TQRRP020, weekly stats reporting, monthly man hours reporting, etc...<br>CONSTRUCTION PERIOD ONE MONTH |                         | Item |                 |                 |                 |                       |
|      | <b>Site Store and Office</b>   |                         |      |                 |                 |                 | R<br>-                |
| 1.2  | The Electrical contractor shall provide for a temporary site office, for his own use where all drawings and specifications shall be kept in accordance with the provisions of the specifications, as well as provision of safe and adequate storage space for all material and the removal of such on completion.(Erection of Sign board also to be catered for)   |                         | Item |                 |                 |                 | R<br>-                |
|      | <b>Materials Management</b>  |                         |      |                 |                 |                 | R<br>-                |
| 1.3  | Allow for co-ordination, receipt and handling of materials, including the transport, loading & offloading, safekeeping & storage and the maintenance of a record keeping system to track the issue of materials for incorporation into the works. Materials include:<br>Bulkmeter, Recloser,<br>Transformers, Meters, bases Split<br>Prepayment DIN Rail 20A, Ready  |                         | Item |                 |                 |                 | R<br>-                |



|   |  |      |  |  |  |        |
|---|--|------|--|--|--|--------|
|   | Board, Hare, Fox Conductor, LV<br>ABC Conductor, Cable 10mmSQ<br>Concentric CU X 1 Comms, Labels<br>& Seals etc. |      |  |  |  |        |
|   | <b>Sample Line</b>   |      |  |  |  |        |
| 1.4   | Construct a sample line / first<br>transformer zone as per the<br>generic drawing by T & Q Dept.                 | Item |  |  |  | R<br>- |
| 1.5   | <b>Provision for compliance to new<br/>safety regulations, OHSA Act.</b>   |      |  |  |  |        |
|   | *Legal and contractual compliance  | Item |  |  |  | R<br>- |
|   | *Personal protective Equipment   | Item |  |  |  | R<br>- |
|   | *Fall arrest<br>system/Ladders/Climbing Irons  | Item |  |  |  | R<br>- |
|   | Provison for compliance to<br>Construction Regulations.  | Item |  |  |  | R<br>- |
| 1.6   | EPWP as specified in Works Order<br>.  | Item |  |  |  | R<br>- |
|   | <b>Other</b>   |      |  |  |  |        |
| Not<br>e  | The Contractor is to list any other<br>items that he deems to be<br>necessary.                                   |      |  |  |  |        |
| 1.7   | Provision for Community Liason<br>Officer (CLO)  | Item |  |  |  | R<br>- |
| 1.8   | Student training   | Item |  |  |  | R<br>- |
|   | <b>TOTAL : Carried forward to<br/>summary</b>  |      |  |  |  | R<br>- |
| <b>BILL NO 2 - MEDIUM VOLTAGE SWITCHGEAR, SECTIONALISERS, TRANSFORMERS,</b> |  |      |  |  |  |        |

**ETC**

|             |  |                    |  |  |  |  |  |
|-------------|--|--------------------|--|--|--|--|--|
| <b>PWBS</b> |  | <b>ENQUIRY NO:</b> |  |  |  |  |  |
|-------------|--|--------------------|--|--|--|--|--|

| Item | Description  | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|------|--|------------------|------|-----------------|-------------|--------------|-----------------|
|      | <b>Transformers</b>  |                  |      |                 |             |              |                 |
|      | Supply and install on appropriate structure and secure as required including the termination of cables and conductors, the provision of suitable lugs for 35, 50 or 70mm conductor as required. Excluding cable, conductors, and the transformer structure.  |                  |      |                 |             |              |                 |
| 2.1  | Transformer 16kVA, 22kV  | DDT<br>3021      | No   |                 |             |              | -               |
| 2.2  | Transformer 32kVA, 22kV  | DDT<br>3021      | No   |                 |             |              | -               |
| 2.3  | Transformer 50kVA, 22kV  | DDT<br>3021      | No   |                 |             |              | -               |
| 2.4  | Transformer 64kVA, 22kV  | DDT<br>3021      | No   |                 |             |              | -               |
| 2.5  | Transformer 100kVA, 22kV   | DDT<br>3021      | No   |                 |             |              | -               |
|      | <b>MV Auto Reclosers</b>   |                  |      |                 |             |              |                 |
| 2.6  | 22kV Recloser complete with platform and control box   | DDT182<br>9B     | No   |                 |             |              | -               |
|      | <b>Medium Voltage Surge Arrestors</b>  |                  |      |                 |             |              |                 |
|      | Supply, deliver, off load on site and safely store on site the following surge arrestors, complete with galvanised steel mounting brackets for securing the surge arrestor, nuts, bolts, washers and lock washers as specified. Secure the surge arrestors and brackets to the transformer as specified including the termination of conductors. Excluding the conductors and transformer. |                  |      |                 |             |              |                 |

|      |   |          |          |  |  |  |   |
|------|---|----------|----------|--|--|--|---|
|      | NOTE: Two sets of surge arrestors per transformer bushing inclu support bracket and accessories.  |          |          |  |  |  |   |
| 2.7  | 22kV, 24kA Surge arrestor   | DDT 3100 | No       |  |  |  | - |
|      | <b>Medium Voltage Sectionalisers and Links</b>  |          |          |  |  |  |   |
|      | Supply and install link isolators as detailed including the installation of crossarm brackets and the termination of conductors and including the drilling of holes in wooden poles as required |          |          |  |  |  |   |
| 2.8  | Dual Phase Fuse Links (Including 1866/65B Structures)   | DDT 1848 | Set of 2 |  |  |  | - |
| 2.9  | Three Phase Fuse Links (Including 1866/65B structures)  | DDT 1848 | Set of 3 |  |  |  | - |
| 2.10 | Three Phase Solid Links (Including 1866B structures)  | DDT 1848 | Set of 3 |  |  |  | - |
|      | <b>Neutral Surge Arrestor</b>   |          |          |  |  |  |   |
|      | Supply and install a LV surge arrestor including lugs and galvanised bolts  |          |          |  |  |  |   |
| 2.11 | Surge arrestor  | DDT 1860 | No       |  |  |  | - |
|      | Amount carried over to next page  |          |          |  |  |  | - |

| Item | Description                               | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|------|---|------------------|------|-----------------|-------------|--------------|-----------------|
|      | Amount brought forward from previous page |                  |      |                 |             |              | -               |
|      | <b>Transformer Earthing</b>               |                  |      |                 |             |              |                 |

|   |   |             |    |  |  |  |  |   |
|---|---|-------------|----|--|--|--|--|---|
| 2.12                                      | <p>Supply and install all materials for the complete earthing of transformer structures for ABC networks as specified. Included in the rate shall be all required spikes, insulated copper conductor, galvanised conduits, staples, bare copper, excavations, backfilling, etc. The rate shall allow for one MV earth electrode only, consisting of four earth spikes in accordance with the specifications. Additional earth spikes/conductor shall be measured elsewhere if required.</p> | DDT<br>1860 | No |  |  |  |  | - |
| <b>TOTAL : Carried forward to summary</b> |   |             |    |  |  |  |  |   |

**BILL NO 3 - MEDIUM VOLTAGE OVERHEAD DISTRIBUTION SYSTEM**

| PWBS  |   | ENQUIRY NO:      |      |                 |             |              |                 |
|-------|---|------------------|------|-----------------|-------------|--------------|-----------------|
| Item  | Description   | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|       | <b>Conductor</b>  |                  |      |                 |             |              |                 |
|       | Supply, safely store on sealed drums with ends adequately secured and transport to site conductor as specified. String conductor as specified including splices, jumper conductor ties, strain clamps, suspension clamps, tensioning, sagging, etc. |                  |      |                 |             |              |                 |
| Note  | The following dimensions will all be "Line Length"  |                  |      |                 |             |              |                 |
| 3.1   | <b>FOX</b>  |                  |      |                 |             |              |                 |
| 3.1.1 | Dual Phase  |                  | m    |                 |             |              | -               |
| 3.1.2 | Three Phase   |                  | m    |                 |             |              | -               |
|       | <b>Medium Voltage Structures</b>  |                  |      |                 |             |              |                 |

|      |   |              |    |  |  |  |   |
|------|---|--------------|----|--|--|--|---|
| Note | <p>Allow for the following structures and insulator assemblies in accordance with the specifications as shown in the drawings. Include the drilling of holes and treating of such holes, the provision of the U-nails and earthwire in accordance with Eskom specifications. The supply and installation of 15m of 3/3.35x1100MPa steel wire for a BIL for each pole structure as per Eskom specification. Exclude the supply and planting of poles, stays and struts which are measured elsewhere.</p> <p>Supply and install all material as specified for the construction of the following MV structures. Including bonding of hardware and earthing. All excavations, poles, crossarms and stays are measured elsewhere</p> |              |    |  |  |  |   |
| 3.2  | Phase / phase - Delta / 2,5m Wood X-arm - Intermediate - 0° Deviation - 10KN RX   | DDT-1340B RX | No |  |  |  | - |
| 3.3  | Phase / phase - Delta / 2,5m Wood X-arm - Intermediate - 0° Deviation   | DDT-1340B    | No |  |  |  | - |
| 3.4  | Phase / phase - Delta / 2,5m Wood X-arm - Strain - 0° Deviation   | DDT-1343     | No |  |  |  | - |
| 3.5  | Phase / phase - Delta / 2,5m Wood X-arm - Strain - Medium(1°-60°) Deviation   | DDT-1344     | No |  |  |  | - |
| 3.6  | Phase / phase - Delta / 2,5m Wood X-arm - Strain - Terminal   | DDT-1346     | No |  |  |  | - |
| 3.7  | Phase / phase - H-Pole / 4,5m Wood X-arm - Intermediate - 0 deg Deviation   | DDT-1370     | No |  |  |  | - |
|      | Amount carried over to next page  |              |    |  |  |  | - |

| Item | Description                               | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|------|---|------------------|------|-----------------|-------------|--------------|-----------------|
|      | Amount brought forward from previous page |                  |      |                 |             |              | -               |

|      |   |               |    |  |  |  |  |  |   |
|------|---|---------------|----|--|--|--|--|--|---|
| 3.8  | 3 Phase - Delta / 2,5m Wood X-arm<br>- Intermediate - 0° Deviation  | DDT-1740B     | No |  |  |  |  |  | - |
| 3.9  | 3 Phase - Delta / 2,5m Wood X-arm<br>- Intermediate - 0deg Deviation - (<br>With Raptor Protector) Including<br>10KN Cap Insulators | D-DT-1740B-RX | No |  |  |  |  |  | - |
| 3.10 | 3 Phase - Delta / 2,5m Wood X-arm<br>- 0° Deviation   | DDT-1743      | No |  |  |  |  |  | - |
| 3.11 | 3 Phase - Delta / 2,5m Wood X-arm<br>- 60-90 - Fox  | DDT-1744      | No |  |  |  |  |  | - |
| 3.12 | 3 Phase - Delta / 2,5m Wood X-arm<br>- Strain - Terminal  | DDT-1746      | No |  |  |  |  |  | - |
| 3.13 | 3 Phase - Delta / 4,5m Wood X-arm<br>- Intermediate - 0° Deviation<br>,Including 10KN Cap Insulators                                | D-DT-1750-RX  | No |  |  |  |  |  | - |
| 3.14 | 3 Phase - Delta / 4,5m Wood X-arm<br>- Strain - 0° Deviation  | D-DT-1753     | No |  |  |  |  |  | - |
| 3.15 | 3 Phase - Delta / 4,5m Wood X-arm<br>- Strain - Medium(1°-60°) Deviation  | D-DT-1754     | No |  |  |  |  |  | - |
| 3.16 | 3 Phase - Delta / 4,5m Wood X-arm<br>- Strain - Terminal  | D-DT-1756     | No |  |  |  |  |  | - |
| 3.17 | 3 Phase Take-off - 2.5m Wooden X-arm  | D-DT-1804     | No |  |  |  |  |  | - |
| 3.18 | 3 Phase Take-off - 2 x 2.5m Wooden X-arm  | D-DT-1805     | No |  |  |  |  |  | - |
| 3.19 | 3 Phase Take-off - H-Pole (3,5m Wooden X-arm)   | DDT-1806      | No |  |  |  |  |  | - |
| 3.20 | 3 Phase Take-off - H-Pole (2 x 3,5m Wooden X-arm)   | DDT-1807      | No |  |  |  |  |  | - |
| 3.21 | Phase / phase Take-off - 2,5m Wooden X-arm  | DDT-1814      | No |  |  |  |  |  | - |
| 3.22 | Phase / phase Take-off - 3,5m Wooden X-arm  | DDT-1816      | No |  |  |  |  |  | - |
| 3.23 | Transformer - Single pole mount - 16-100kVA - General arrangement   | DDT-1860/1    | No |  |  |  |  |  | - |
| 3.24 | Transformer - 16-50kVA - General arrangement, complete with connection. Standard out-line transformer - Links measured elsewhere    | D-DT-1866B    | No |  |  |  |  |  | - |

|   |   |  |    |  |   |  |   |
|---|---|--|----|--|---|--|---|
|   | <b>Testing</b>  |  |    |  |   |  |   |
| 3.25                                      | Allowance shall be made for the complete testing and commissioning of the Medium Voltage overhead distribution system |  |    |  |   |  |   |
| 3.26                                      | MV Test   |  | No |  | - |  | - |
| <b>TOTAL : Carried forward to summary</b> |   |  |    |  |   |  | - |

**BILL NO 4 - SUPPORT FOR OVERHEAD RETICULATION**

| PWBS |   | ENQUIRY NO:      |      |                 |             |              |                 |
|------|---|------------------|------|-----------------|-------------|--------------|-----------------|
| Item | Description   | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|      | <b>Poles and Crossarms</b>  |                  |      |                 |             |              |                 |
| Note | Poles for service connections are measured elsewhere<br>Supply and install pole in excavated hole, including cutting and scafing, kicking blocks, bonding, treating, etc.<br>Excavations and compaction are measured elsewhere. |                  |      |                 |             |              |                 |
| 4.1  | Pole, Wood 7,0m x 120-139 Top Dia.  | DDT-055          | No   |                 |             |              | -               |
| 4.2  | Pole, Wood 9,0m x 140-159 Top Dia.  | DDT-055          | No   |                 |             |              | -               |
| 4.3  | Pole, Wood 10,0m x 160-179 Top Dia.   | DDT-055          | No   |                 |             |              | -               |
| 4.4  | Pole, Wood 10,0m x 200-219 Top Dia.   | DDT-055          | No   |                 |             |              | -               |
| 4.5  | Pole, Wood 11,0m x 160-179 Top Dia.   | DDT-055          | No   |                 |             |              | -               |
| 4.6  | Pole, Wood 11,0m x 180-199 Top Dia.   | DDT-055          | No   |                 |             |              | -               |
| 4.7  | Pole, Wood 11,0m x 200-220 Top Dia.   | DDT-055          | No   |                 |             |              | -               |

|  |  |             |    |  |  |  |  |  |   |
|--|--|-------------|----|--|--|--|--|--|---|
| 4.8  | Pole, Wood 12,0m x 180-199 Top Dia.  | DDT-0053(T) | No |  |  |  |  |  |   |
| 4.9  | Pole, Wood 12,0m x 200-219 Top Dia.  | DDT-0053(U) | No |  |  |  |  |  | - |
| 4.10   | Pole, Wood 13,0m x 180-199 Top Dia.  | DDT-0053(W) | No |  |  |  |  |  | - |
| 4.11   | Pole, Wood 13,0m x 200-219 Top Dia.  | DDT-0053(X) | No |  |  |  |  |  | - |
| <b>Supply, off load and install the following wooden cross arms.</b> |  |             |    |  |  |  |  |  |   |
| 4.12   | X-arm, Wood 2.5m x 140-159 Top Dia   | DDT-061     | No |  |  |  |  |  | - |
| 4.13   | X-arm, Wood 3.5m x 140-159 Top Dia   | DDT-061     | No |  |  |  |  |  | - |
| 4.14   | X-arm, Wood 4.5m x 140-159 Top Dia   | DDT-061     | No |  |  |  |  |  | - |
| 4.15   | 6m, 160-179mm Diameter   |             | No |  |  |  |  |  | - |
| 4.16   | 7m, 160-179mm Diameter   |             | No |  |  |  |  |  | - |
| <b>Stays, Flying Stays and Anti-Climbing Devices</b>                 |  |             |    |  |  |  |  |  |   |
| Note   | The unit price for a standard stay and an aerial stay shall exclude the wooden poles, but include the stay wire, stay rods, insulators, stay plate, stay guards, bitumastic paint, guy grip dead end, earthing of stay, line splice, precast concrete slabs, pole clamp, nuts bolts and washers etc. |             |    |  |  |  |  |  |   |
|  | The following stays shall be in accordance with the specification and shall include a stay plate   |             |    |  |  |  |  |  |   |
| 4.17   | LV Stay  | DDT-0341    | No |  |  |  |  |  | - |
| 4.18   | MV Stay  | DDT-0341    | No |  |  |  |  |  | - |
|  | The following struts shall be in accordance with the specification   |             |    |  |  |  |  |  |   |



|                                  |          |          |    |  |  |  |  |   |
|----------------------------------|----------|----------|----|--|--|--|--|---|
| 4.19                             | LV Strut | DDT-0342 | No |  |  |  |  | - |
| 4.20                             | MV Strut | DDT-0342 | No |  |  |  |  | - |
| Amount carried over to next page |          |          |    |  |  |  |  | - |

| Item | Description   | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|------|---|------------------|------|-----------------|-------------|--------------|-----------------|
|      | Amount brought forward from previous page   |                  |      |                 |             |              | -               |
| 4.21 | Equipment anti climbing device  | DDT....          | No   |                 |             |              | -               |
|      | <b>Excavations and Compaction</b>   |                  |      |                 |             |              |                 |
| Note | <p>The excavations for service connections are measured elsewhere</p> <p>Determination of pole positions, excavate, and supply a mechanical boring device if required. The rate shall include backfilling, compaction to 93% MOD AASHTO density, and where necessary the supply and transportation of suitable ground as may be required to receive the desired compaction, except where cement is specified. Any damage to existing services shall be made good by the Contractor at his own expense and to the approval or the PM(C).</p> |                  |      |                 |             |              |                 |
| 4.22 | Hole for 7m pole - 1.4m deep  |                  | No   |                 |             |              | -               |
| 4.23 | Hole for 9m pole - 1.6m deep  |                  | No   |                 |             |              | -               |
| 4.24 | Hole for 10m pole - 1.6m deep   |                  | No   |                 |             |              | -               |
| 4.25 | Hole for 11m pole - 1.8m deep   |                  | No   |                 |             |              | -               |
| 4.26 | Hole for 12m pole - 2.0m deep   |                  | No   |                 |             |              | -               |

|                                  |   |    |  |  |  |  |   |
|----------------------------------|---|----|--|--|--|--|---|
| 4.27                             | Hole for 13m pole - 2.0m deep                           | No |  |  |  |  | - |
| 4.28                             | Hole for LV stay - 1.4m deep                            | No |  |  |  |  | - |
| 4.29                             | Hole for MV stay - 1.5m deep                            | No |  |  |  |  | - |
| 4.30                             | Hole for LV strut - 1.4m deep                           | No |  |  |  |  | - |
| 4.31                             | Hole for MV strut - 1.4m deep                           | No |  |  |  |  | - |
| 4.32                             | Blasting - per hole                                     | No |  |  |  |  | - |
| 4.33                             | Mechanical excavation - (Provisional) - Up to 2.2m deep | No |  |  |  |  | - |
| Amount carried over to next page |   |    |  |  |  |  | - |

| Item | Description   | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|------|---|------------------|------|-----------------|-------------|--------------|-----------------|
|      | Amount brought forward from previous page   |                  |      |                 |             |              | -               |
|      | <b>Pole Labels</b>  |                  |      |                 |             |              |                 |
|      | Supply and install labels on all poles (Transformers, links, LV fuses, pole boxes etc.) in accordance with the specifications including the provision of all fixing materials |                  |      |                 |             |              |                 |
| 4.34 | Equipment labels  |                  | No   |                 |             |              | -               |
|      | <b>Bird flight diverters</b>  |                  |      |                 |             |              |                 |
| 4.35 | Bird flight diverters   |                  | No   |                 |             |              | -               |
|      | <b>Vibration Dampers</b>  |                  |      |                 |             |              |                 |
| 4.36 | Supply and vibration dampers on conductor in accordance with the specifications   |                  |      |                 |             |              |                 |
|      | Vibration Dampers   |                  | No   |                 |             |              | -               |

| <b>Pistol Grips</b>        |   |    |  |  |  |   |
|----------------------------|---|----|--|--|--|---|
|                            | Supply and pistol grips on line hardware in accordance with the specifications  |    |  |  |  |   |
| 4.37                       | Pistol Grips  | No |  |  |  | - |
| 4.38                       | Spark Gap Device  | No |  |  |  | - |
| <b>Concrete</b>            |   |    |  |  |  |   |
|                            | Ready mix concrete slabs for pole bases as required   |    |  |  |  |   |
| 4.39                       | Concrete bases  | No |  |  |  | - |
|                            | Supply and mix cement on site into material excavated from pole hole, including the provision of water to ensure the correct moisture content of the backfill material.         |    |  |  |  |   |
| 4.40                       | Cement mixture per hole   | No |  |  |  | - |
| <b>Line Route Clearing</b> |   |    |  |  |  |   |
|                            | Clearing of trees from a servitude, including the stacking or disposal of cuttings and debris, as directed by eskom, and the poisoning of stumps with an approved poison.       |    |  |  |  |   |
| 4.41                       | Dense bush(thin dense blackwattles, thornbush or brambles- not possible to walk through) MV 12 meter wide strip (6m either side of the centre line) to be cleared and poisoned. | m  |  |  |  | - |
| 4.42                       | Ditto, but for LV 1m wide strip and no poisoning required   | m  |  |  |  | - |
| 4.43                       | Small trees (less than 30cm diameter scattered bush or plantation-accessible on foot) MV 12m wide strip (6m on either side of the line) to be cleared and poisoned.             | m  |  |  |  | - |

|   |   |      |  |  |  |  |   |
|---|---|------|--|--|--|--|---|
| 4.44                                      | Ditto, but for LV 1m wide strip and no poisoning required   | m    |  |  |  |  | - |
| 4.45                                      | Large trees (greater than 30cm diameter) including poisoning  | No   |  |  |  |  | - |
| 4.46                                      | Obtaining permits from DWAF   | SUM  |  |  |  |  | - |
| 4.47                                      | AMAFA PERMITS<br><b>Survey</b>  | SUM  |  |  |  |  | - |
| 4.48                                      | Set out pole and stay positions as indicated on rough detail sketches by tape measure and sighting rods where survey was not done by Eskom; | Rate |  |  |  |  | - |
| <b>TOTAL : Carried forward to summary</b> |   |      |  |  |  |  | - |

### BILL NO 5 - LV OVERHEAD DISTRIBUTION LINES

| PWBS |  | ENQUIRY NO:      |      |                 |             |              |                 |
|------|--|------------------|------|-----------------|-------------|--------------|-----------------|
| Item | Description  | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|      | <b>LV ABC</b>  |                  |      |                 |             |              |                 |
| Note | The LV insulated aerial bundle conductor system shall be in accordance with SABS 1418 and insulated in accordance with SABS 0198 and the Distribution Standard Part 3.   |                  |      |                 |             |              |                 |
| Note | The unit rate per meter shall include the tensioning and stringing of the bundle in accordance with the sag and stress tables provided by the manufacturer with all plant, equipment and accessories required to erect an LV overhead bundled distribution line i.e. Drum trailer, winch, wind-off pulleys, pulling rope/cable with connection, dynamometer, slide-lock, sheathed synthetic-fibre belt, woven snatch belt, snatch block, tackle, shackle, etc. |                  |      |                 |             |              |                 |

|                      |  |  |   |  |  |  |   |
|----------------------|--|--|---|--|--|--|---|
| Note                 | Measured lengths for stringing shall be net line route lengths and unit rates shall include for sag, off-cuts, etc.  |  |   |  |  |  |   |
|                      | Contractor to, safely store and transport to site and string. The conductor will be delivered on sealed drums and adequate allowance shall be made for the correct handling thereof.   |  |   |  |  |  |   |
| 5.1                  | Single phase ABC (35mm <sup>2</sup> insulated)   |  | m |  |  |  | - |
| 5.2                  | Dual phase ABC (35mm <sup>2</sup> insulated)   |  | m |  |  |  | - |
| 5.3                  | Three phase ABC (35mm <sup>2</sup> insulated)  |  | m |  |  |  | - |
|                      | Three phase ABC (70mm <sup>2</sup> insulated)  |  | m |  |  |  | - |
| <b>LV STRUCTURES</b> |  |  |   |  |  |  |   |
|                      | Allow for the assembly of the following LV strain and suspension assemblies in accordance with the specifications shown in the drawings. Including all earthing, drilling of holes and treating of drilled holes. All LV ABC hardware, line connectors, PVC cable ties, nuts, bolts, washers, lock washers shall be allowed for in the appropriate item below. Excluding the supply and planting of poles, stays and struts, which are measured elsewhere. |  |   |  |  |  |   |
|                      | Amount carried over to next page   |  |   |  |  |  | - |

| Item | Description                               | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|------|---|------------------|------|-----------------|-------------|--------------|-----------------|
|      | Amount brought forward from previous page |                  |      |                 |             |              | -               |

Supply and install all the materials as specified for the following

**LV STRUCTURES SINGLE PHASE**

|     |                              |          |    |  |  |  |  |  |   |
|-----|------------------------------|----------|----|--|--|--|--|--|---|
| 5.4 | ABC Suspension Assembly 0-30 | DDT-1153 | No |  |  |  |  |  |   |
| 5.5 | ABC Terminal Assembly        | DDT-1154 | No |  |  |  |  |  | - |
| 5.6 | ABC Strain Assembly (0-60°)  | DDT-1155 | No |  |  |  |  |  | - |
| 5.7 | ABC Strain Assembly (60-90°) | DDT-1156 | No |  |  |  |  |  | - |
| 5.8 | ABC T-off from Intermediate  | DDT-1157 | No |  |  |  |  |  | - |
| 5.9 | ABC T-off from Strain        | DDT-1159 | No |  |  |  |  |  | - |

**LV STRUCTURES DUAL PHASE**

|      |                              |          |    |  |  |  |  |  |   |
|------|------------------------------|----------|----|--|--|--|--|--|---|
| 5.10 | ABC Suspension Assembly 0-30 | DDT-1145 | No |  |  |  |  |  | - |
| 5.11 | ABC Terminal Assembly        | DDT-1146 | No |  |  |  |  |  | - |
| 5.12 | ABC Strain Assembly (0-60°)  | DDT-1147 | No |  |  |  |  |  | - |
| 5.13 | ABC Strain Assembly (60-90°) | DDT-1148 | No |  |  |  |  |  | - |
| 5.14 | ABC T-off from Intermediate  | DDT-1149 | No |  |  |  |  |  | - |
| 5.15 | ABC T-off from Strain        | DDT-1151 | No |  |  |  |  |  | - |

**LV STRUCTURES THREE PHASE**

|      |                              |           |    |  |  |  |  |  |   |
|------|------------------------------|-----------|----|--|--|--|--|--|---|
| 5.16 | ABC Suspension Assembly 0-30 | D-DT-1100 | No |  |  |  |  |  | - |
| 5.17 | ABC Terminal Assembly        | D-DT-1120 | No |  |  |  |  |  | - |
| 5.18 | ABC Strain Assembly (0-60°)  | D-DT-1121 | No |  |  |  |  |  | - |

|                                  |                              |           |    |  |  |  |  |   |
|----------------------------------|------------------------------|-----------|----|--|--|--|--|---|
| 5.19                             | ABC Strain Assembly (60-90°) | D-DT-1122 | No |  |  |  |  | - |
| 5.20                             | ABC T-off from Intermediate  | D-DT-1140 | No |  |  |  |  | - |
| 5.21                             | ABC T-off from Strain        | D-DT-1142 | No |  |  |  |  | - |
| Amount carried over to next page |                              |           |    |  |  |  |  | - |

| Item                                      | Description   | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |   |
|---|---|------------------|------|-----------------|-------------|--------------|-----------------|---|
| Amount brought forward from previous page |   |                  |      |                 |             |              |                 | - |
|   | <b>LV Fuse Switch Units</b>   |                  |      |                 |             |              |                 |   |
|   | Supply, deliver to site, off load on site and safely store. The fused switch shall be supplied complete with the pole mounting bracket, nuts, bolts, washers, etc. for securing the unit to the wooden pole. The fuses shall be supplied with the fuse switch unit. Fuse ratings shall be as shown on the drawings. Install the on load fused disconnecting switch on the transformer structure including the drilling of holes as required, including the termination of the LV ABC to the unit. |                  |      |                 |             |              |                 |   |
| 5.22                                      | 63A Load disconnecting switch similar to MORSDORPHER 63A  |                  | No   |                 |             |              | -               |   |
| 5.23                                      | 160A Load disconnecting switch with MORSDORPHER 125A fuse   |                  | No   |                 |             |              | -               |   |
| Amount carried over to next page          |   |                  |      |                 |             |              |                 | - |

| Item                        | Description | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |  |
|-----------------------------|-------------|------------------|------|-----------------|-------------|--------------|-----------------|--|
| Amount brought forward from |             |                  |      |                 |             |              |                 |  |

previous page

**LV Pole Mounted Service Boxes**

Supply and install on a wooden and/or concrete pole a pole mounted distribution box as specified complete with pole mounting brackets, cable ties, PG clamps, miniature circuit breaker(s), neutral, phase and earth bars, insulated copper tails for connecting to LV ABC, insulation piercing connectors and factory installed cable openings. Included shall be the stainless steel strapping and buckles and terminations of the tails onto the LV ABC.

5.24 2 - 4 York type box, complete with insulated copper tails, insulation piercing connectors and nylon compression glands.

DDT-3055

No

5.25 4 - 8 York type box, complete with insulated copper tails, insulation piercing connectors and nylon compression glands.

DDT-3055

No

**Earthing of LV Network**

Note All MV transformer earthing is measured elsewhere and all LV earths per structure are measured with the structure. This section is intended for LV earths at transformers

Allowance shall be made for the testing of the earth resistance for the entire reticulation system in accordance with the TN-C-S earthing system as defined in the Distribution Standard Part 2 and any earth tests which may be required in terms of the standard and detailed specifications.

5.26 LV Earth

DDT-0637

No

**Testing**



|      |  |  |    |  |  |  |  |   |
|------|--|--|----|--|--|--|--|---|
| 5.27 | Allowance shall be made for the testing of each LV ABC distributor on accordance with the project specification. Included shall be the provision of test certificates and all documentation as required. |  |    |  |  |  |  |   |
|      | LV Test  |  | No |  |  |  |  | - |
|      | <b>TOTAL : Carried forward to summary</b>  |  |    |  |  |  |  | - |

### BILL NO 6 - HOUSE CONNECTIONS

| PWBS |   | ENQUIRY NO:      |      |                 |             |              |                 |
|------|---|------------------|------|-----------------|-------------|--------------|-----------------|
| Item | Description   | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|      | <b>House Connections</b>  |                  |      |                 |             |              |                 |
| 6.1  | House Connections (Type B), test and commissioning complete including IC's, supply and install house labelling, completion of PCS file, sealing of meters and as built drawings on completion. Poles and excavation are measured elsewhere. | DDT 0361         | No   |                 |             |              | -               |
|      | <b>Conductor</b>  |                  |      |                 |             |              |                 |
| Note | Measured lengths for stringing shall be net line route lengths and unit rates shall include for sag, cut-offs etc.  |                  |      |                 |             |              |                 |
| Note | Contractor to supply, safely store, transport to site and string. Installation includes all glands, lugs, shrouds, termination and connections as required.   |                  |      |                 |             |              |                 |
| 6.2  | (Assumed 45.00m per connection)<br>CABLE 1KV 2C 4mm SQ<br>CONCENTRIC CU   |                  | m    |                 |             |              | -               |

|  |                                       |             |    |  |  |  |   |
|--|---------------------------------------|-------------|----|--|--|--|---|
| 6.3  | CABLE 1KV 2C 10mm SQ<br>CONCENTRIC CU |             | m  |  |  |  | - |
| <b>Sundry Items</b>  |                                       |             |    |  |  |  |   |
| <b>Supply and install pole in excavated hole, including cutting and scafing, kicking bolts, bonding, treating, etc. Excavations and compaction are measured elsewhere.</b> |                                       |             |    |  |  |  |   |
| 6.4  | 5m Pole, 80-99mm top diameter         | DDT<br>0058 | No |  |  |  | - |
| 6.5  | 7m Pole, 120-139mm top diameter       | DDT<br>0050 | No |  |  |  | - |
| Amount carried over to next page   |                                       |             |    |  |  |  | - |

| Item                          | Description  | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|-------------------------------|--|------------------|------|-----------------|-------------|--------------|-----------------|
|                               | Amount brought forward from previous page  |                  |      |                 |             |              | -               |
|                               | Determination of pole positions, excavate, and supply a mechanical boring device if required. The rate shall include backfilling, compaction to 93% MOD AASHTO density, and where necessary the supply and transportation of suitable ground as may be required to receive the desired compaction, except where cement is specified. Any damage to existing services shall be made good by the Contractor at his own expense and to the approval or the PM(C). |                  |      |                 |             |              |                 |
| 6.6                           | Hole for 5m service pole - 1m deep   |                  | No   |                 |             |              | -               |
| 6.7                           | Hole for 7m service pole - 1.4m deep   |                  | No   |                 |             |              | -               |
| <b>Meters and readyboards</b> |  |                  |      |                 |             |              |                 |

|   |                                  |    |  |  |  |  |  |   |
|---|----------------------------------|----|--|--|--|--|--|---|
| 6.8                                       | METER,STD ECU KEYPAD 20A         | No |  |  |  |  |  |   |
| 6.9                                       | PASSIVE BASE UNIT, ECU WITH RAIL | No |  |  |  |  |  | - |
| <b>TOTAL : Carried forward to summary</b> |                                  |    |  |  |  |  |  | - |

| PWBS |   | ENQUIRY NO:      |      | DETAIL BOQ      |
|------|---|------------------|------|-----------------|
| Item | Description   | Detail Reference | Unit | Total Price (R) |
| 1    | PRELIMINARY AND GENERAL                                       |                  |      |                 |
| 2    | MEDIUM VOLTAGE SWITCHGEAR, SECTIONALISERS, TRANSFORMERS, ETC. |                  |      |                 |
| 3    | MEDIUM VOLTAGE OVERHEAD DISTRIBUTION SYSTEM                   |                  |      |                 |
| 4    | SUPPORT FOR OVERHEAD RETICULATION                             |                  |      |                 |
| 5    | LOW VOLTAGE OVERHEAD DISTRIBUTION LINES                       |                  |      |                 |
| 6    | HOUSE CONNECTIONS   |                  |      |                 |
|      | <b><u>Sub Total(1)</u></b>                                    |                  |      |                 |
|      | -   |                  |      |                 |
|      | <b><u>Contingency @ 10%</u></b>                               |                  |      |                 |
|      | <b><u>Retention @ 10%</u></b>                                 |                  |      |                 |
|      | <b><u>Sub Total (2)</u></b>                                   |                  |      |                 |
|      | <b><u>Vat @ 15%</u></b>                                       |                  |      |                 |
|      | <b><u>Grand Total</u></b>                                     |                  |      |                 |

**PRICING SCHEDULE YEAR TWO**

**MBD 3.3**

|                       |                     |
|-----------------------|---------------------|
| Name of Bidder: _____ | Bid Number: _____   |
| Closing Time: _____   | Closing Date: _____ |

OFFER TO BE VALID FOR  90  DAYS FROM THE CLOSING DATE OF BID.

| ITEM NO. | DESCRIPTION | BID PRICE IN RSA CURRENCY (INCLUDING VAT) |
|----------|-------------|---|
|----------|-------------|---|

3. The accompanying information must be used for the formulation of proposals
4. Bidders are required to indicate a ceiling price based on the total estimated time for completion of all phases and including all expenses inclusive of VAT for the project.

R\_\_\_\_\_

| Number of Units to be Constructed in year two   | Cost per connection including meters & basis | Construction Cost excl contingences | Contingences (10%) | Indirect Cost & Disbursements/ Proposed fees (%) | TOTAL PROJECT COST INCLUDING CONTINGENCES (Amount) |
|---|--|-------------------------------------|--------------------|--|--|
| <b>APPOINTMENT OF A PANEL OF 4 (FOUR) ELECTRICAL SERVICE PROVIDER TO DESIGN AND IMPLEMENT ELECTRIFICATION PROJECTS FOR A PERIOD OF 3 YEARS IN PHASES USING TURNKEY STRATEGY</b> |  |                                     |                    |  |  |

| BILL NO 1 - PRELIMINARY AND GENERAL |  |                         |      |                 |                 |                 |                       |
|-------------------------------------|--|-------------------------|------|-----------------|-----------------|-----------------|-----------------------|
| PWBS                                |  | ENQUIRY NO<br>DD/FM     |      |                 |                 |                 |                       |
|                                     | Description  | Detail<br>Referen<br>ce | Unit | Fixed<br>Charge | Time<br>Related | Install<br>Rate | Total<br>Price<br>(R) |
|                                     | <b>Conditions of Contract</b>  |                         |      |                 |                 |                 | R                     |
| 1.1                                 | Contractual requirements<br>Contractual requirements including, amongst others, Insurance of Works, Transport & Residence, Preparation of Site Camp, maintenance of fire-breaks, Dismantling of Site Camp & restoration to original condition, Attendance to meetings, liaison & co-ordination with TSC, roads authority, SAPS for outages, Handing Over as per TQRRP020, weekly stats reporting, monthly man hours reporting, etc...<br>CONSTRUCTION PERIOD ONE MONTH |                         | Item |                 |                 |                 | -                     |
|                                     | <b>Site Store and Office</b>   |                         |      |                 |                 |                 | R                     |
| 1.2                                 | The Electrical contractor shall provide for a temporary site office, for his own use where all drawings and specifications shall be kept in accordance with the provisions of the specifications, as well as provision of safe and adequate storage space for all material and the removal of such on completion.(Erection of Sign board also to be catered for)   |                         | Item |                 |                 |                 | -                     |
|                                     | <b>Materials Management</b>  |                         |      |                 |                 |                 | R                     |
| 1.3                                 | Allow for co-ordination, receipt and handling of materials, including the transport, loading & offloading, safekeeping & storage and the maintenance of a record keeping system to track the issue of materials for incorporation into the works. Materials include:<br>Bulkmeter, Recloser, Transformers, Meters, bases Split Prepayment DIN Rail 20A, Ready  |                         | Item |                 |                 |                 | -                     |

|   |  |      |  |  |  |        |
|---|--|------|--|--|--|--------|
|   | Board, Hare, Fox Conductor, LV<br>ABC Conductor, Cable 10mmSQ<br>Concentric CU X 1 Comms, Labels<br>& Seals etc. |      |  |  |  |        |
|   | <b>Sample Line</b>   |      |  |  |  |        |
| 1.4   | Construct a sample line / first<br>transformer zone as per the<br>generic drawing by T & Q Dept.                 | Item |  |  |  | R<br>- |
| 1.5   | <b>Provision for compliance to new<br/>safety regulations, OHSA Act.</b>   |      |  |  |  |        |
|   | *Legal and contractual compliance  | Item |  |  |  | R<br>- |
|   | *Personal protective Equipment   | Item |  |  |  | R<br>- |
|   | *Fall arrest<br>system/Ladders/Climbing Irons  | Item |  |  |  | R<br>- |
|   | Provison for compliance to<br>Construction Regulations.  | Item |  |  |  | R<br>- |
| 1.6   | EPWP as specified in Works Order   | Item |  |  |  | R<br>- |
|   | <b>Other</b>   |      |  |  |  |        |
| Not<br>e  | The Contractor is to list any other<br>items that he deems to be<br>necessary.                                   |      |  |  |  |        |
| 1.7   | Provision for Community Liason<br>Officer (CLO)  | Item |  |  |  | R<br>- |
| 1.8   | Student training   | Item |  |  |  | R<br>- |
|   | <b>TOTAL : Carried forward to<br/>summary</b>  |      |  |  |  | R<br>- |
| <b>BILL NO 2 - MEDIUM VOLTAGE SWITCHGEAR, SECTIONALISERS, TRANSFORMERS,</b> |  |      |  |  |  |        |

**ETC**

| PWBS                                  |  | ENQUIRY NO:      |      |                 |             |              |                 |
|---------------------------------------|--|------------------|------|-----------------|-------------|--------------|-----------------|
| Item                                  | Description  | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
| <b>Transformers</b>                   |  |                  |      |                 |             |              |                 |
|                                       | Supply and install on appropriate structure and secure as required including the termination of cables and conductors, the provision of suitable lugs for 35, 50 or 70mm conductor as required. Excluding cable, conductors, and the transformer structure.  |                  |      |                 |             |              |                 |
| 2.1                                   | Transformer 16kVA, 22kV  | DDT 3021         | No   |                 |             |              | -               |
| 2.2                                   | Transformer 32kVA, 22kV  | DDT 3021         | No   |                 |             |              | -               |
| 2.3                                   | Transformer 50kVA, 22kV  | DDT 3021         | No   |                 |             |              | -               |
| 2.4                                   | Transformer 64kVA, 22kV  | DDT 3021         | No   |                 |             |              | -               |
| 2.5                                   | Transformer 100kVA, 22kV   | DDT 3021         | No   |                 |             |              | -               |
| <b>MV Auto Reclosers</b>              |  |                  |      |                 |             |              |                 |
| 2.6                                   | 22kV Recloser complete with platform and control box   | DDT182 9B        | No   |                 |             |              | -               |
| <b>Medium Voltage Surge Arrestors</b> |  |                  |      |                 |             |              |                 |
|                                       | Supply, deliver, off load on site and safely store on site the following surge arrestors, complete with galvanised steel mounting brackets for securing the surge arrestor, nuts, bolts, washers and lock washers as specified. Secure the surge arrestors and brackets to the transformer as specified including the termination of conductors. Excluding the conductors and transformer. |                  |      |                 |             |              |                 |

|      |   |          |          |  |  |  |   |
|------|---|----------|----------|--|--|--|---|
|      | NOTE: Two sets of surge arrestors per transformer bushing inclu support bracket and accessories.  |          |          |  |  |  |   |
| 2.7  | 22kV, 24kA Surge arrestor   | DDT 3100 | No       |  |  |  | - |
|      | <b>Medium Voltage Sectionalisers and Links</b>  |          |          |  |  |  |   |
|      | Supply and install link isolators as detailed including the installation of crossarm brackets and the termination of conductors and including the drilling of holes in wooden poles as required |          |          |  |  |  |   |
| 2.8  | Dual Phase Fuse Links (Including 1866/65B Structures)   | DDT 1848 | Set of 2 |  |  |  | - |
| 2.9  | Three Phase Fuse Links (Including 1866/65B structures)  | DDT 1848 | Set of 3 |  |  |  | - |
| 2.10 | Three Phase Solid Links (Including 1866B structures)  | DDT 1848 | Set of 3 |  |  |  | - |
|      | <b>Neutral Surge Arrestor</b>   |          |          |  |  |  |   |
|      | Supply and install a LV surge arrestor including lugs and galvanised bolts  |          |          |  |  |  |   |
| 2.11 | Surge arrestor  | DDT 1860 | No       |  |  |  | - |
|      | Amount carried over to next page  |          |          |  |  |  | - |

| Item | Description                               | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|------|---|------------------|------|-----------------|-------------|--------------|-----------------|
|      | Amount brought forward from previous page |                  |      |                 |             |              | -               |
|      | <b>Transformer Earthing</b>               |                  |      |                 |             |              |                 |



Supply and install all materials for the complete earthing of transformer structures for ABC networks as specified. Included in the rate shall be all required spikes, insulated copper conductor, galvanised conduits, staples, bare copper, excavations, backfilling, etc. The rate shall allow for one MV earth electrode only, consisting of four earth spikes in accordance with the specifications. Additional earth spikes/conductor shall be measured elsewhere if required.

2.12

MV Earth

DDT  
1860

No

-

**TOTAL : Carried forward to summary**

**BILL NO 3 - MEDIUM VOLTAGE OVERHEAD DISTRIBUTION SYSTEM**

PWBS

ENQUIRY NO:

| Item  | Description   | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|-------|---|------------------|------|-----------------|-------------|--------------|-----------------|
|       | <b>Conductor</b>  |                  |      |                 |             |              |                 |
|       | Supply, safely store on sealed drums with ends adequately secured and transport to site conductor as specified. String conductor as specified including splices, jumper conductor ties, strain clamps, suspension clamps, tensioning, sagging, etc. |                  |      |                 |             |              |                 |
| Note  | The following dimensions will all be "Line Length"  |                  |      |                 |             |              |                 |
| 3.1   | <b>FOX</b>  |                  |      |                 |             |              |                 |
| 3.1.1 | Dual Phase  |                  | m    |                 |             |              | -               |
| 3.1.2 | Three Phase   |                  | m    |                 |             |              | -               |
|       | <b>Medium Voltage Structures</b>  |                  |      |                 |             |              |                 |

|      |   |              |    |  |  |  |   |
|------|---|--------------|----|--|--|--|---|
| Note | <p>Allow for the following structures and insulator assemblies in accordance with the specifications as shown in the drawings. Include the drilling of holes and treating of such holes, the provision of the U-nails and earthwire in accordance with Eskom specifications. The supply and installation of 15m of 3/3.35x1100MPa steel wire for a BIL for each pole structure as per Eskom specification. Exclude the supply and planting of poles, stays and struts which are measured elsewhere.</p> <p>Supply and install all material as specified for the construction of the following MV structures. Including bonding of hardware and earthing. All excavations, poles, crossarms and stays are measured elsewhere</p> |              |    |  |  |  |   |
| 3.2  | Phase / phase - Delta / 2,5m Wood X-arm - Intermediate - 0° Deviation - 10KN RX   | DDT-1340B RX | No |  |  |  | - |
| 3.3  | Phase / phase - Delta / 2,5m Wood X-arm - Intermediate - 0° Deviation   | DDT-1340B    | No |  |  |  | - |
| 3.4  | Phase / phase - Delta / 2,5m Wood X-arm - Strain - 0° Deviation   | DDT-1343     | No |  |  |  | - |
| 3.5  | Phase / phase - Delta / 2,5m Wood X-arm - Strain - Medium(1°-60°) Deviation   | DDT-1344     | No |  |  |  | - |
| 3.6  | Phase / phase - Delta / 2,5m Wood X-arm - Strain - Terminal   | DDT-1346     | No |  |  |  | - |
| 3.7  | Phase / phase - H-Pole / 4,5m Wood X-arm - Intermediate - 0 deg Deviation   | DDT-1370     | No |  |  |  | - |
|      | Amount carried over to next page  |              |    |  |  |  | - |

| Item | Description                               | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|------|---|------------------|------|-----------------|-------------|--------------|-----------------|
|      | Amount brought forward from previous page |                  |      |                 |             |              | -               |

|      |  |                       |    |  |  |  |  |   |
|------|--|-----------------------|----|--|--|--|--|---|
| 3.8  | 3 Phase - Delta / 2,5m Wood X-arm<br>- Intermediate - 0° Deviation   | DDT-<br>1740B         | No |  |  |  |  | - |
| 3.9  | 3 Phase - Delta / 2,5m Wood X-arm<br>- Intermediate - 0deg Deviation - (<br>With Raptor Protector) Including<br>10KN Cap Insulators          | D-DT-<br>1740B-<br>RX | No |  |  |  |  | - |
| 3.10 | 3 Phase - Delta / 2,5m Wood X-arm<br>- 0° Deviation  | DDT-<br>1743          | No |  |  |  |  | - |
| 3.11 | 3 Phase - Delta / 2,5m Wood X-arm<br>- 60-90 - Fox   | DDT-<br>1744          | No |  |  |  |  | - |
| 3.12 | 3 Phase - Delta / 2,5m Wood X-arm<br>- Strain - Terminal   | DDT-<br>1746          | No |  |  |  |  | - |
| 3.13 | 3 Phase - Delta / 4,5m Wood X-arm<br>- Intermediate - 0° Deviation<br>,Including 10KN Cap Insulators   | D-DT-<br>1750-RX      | No |  |  |  |  | - |
| 3.14 | 3 Phase - Delta / 4,5m Wood X-arm<br>- Strain - 0° Deviation   | D-DT-<br>1753         | No |  |  |  |  | - |
| 3.15 | 3 Phase - Delta / 4,5m Wood X-arm<br>- Strain - Medium(1°-60°) Deviation   | D-DT-<br>1754         | No |  |  |  |  | - |
| 3.16 | 3 Phase - Delta / 4,5m Wood X-arm<br>- Strain - Terminal   | D-DT-<br>1756         | No |  |  |  |  | - |
| 3.17 | 3 Phase Take-off - 2.5m Wooden X-<br>arm   | D-DT-<br>1804         | No |  |  |  |  | - |
| 3.18 | 3 Phase Take-off - 2 x 2.5m Wooden<br>X-arm  | D-DT-<br>1805         | No |  |  |  |  | - |
| 3.19 | 3 Phase Take-off - H-Pole (3,5m<br>Wooden X-arm)   | DDT-<br>1806          | No |  |  |  |  | - |
| 3.20 | 3 Phase Take-off - H-Pole (2 x 3,5m<br>Wooden X-arm)   | DDT-<br>1807          | No |  |  |  |  | - |
| 3.21 | Phase / phase Take-off - 2,5m<br>Wooden X-arm  | DDT-<br>1814          | No |  |  |  |  | - |
| 3.22 | Phase / phase Take-off - 3,5m<br>Wooden X-arm  | DDT-<br>1816          | No |  |  |  |  | - |
| 3.23 | Transformer - Single pole mount -<br>16-100kVA - General arrangement   | DDT-<br>1860/1        | No |  |  |  |  | - |
| 3.24 | Transformer - 16-50kVA - General<br>arrangement, complete with<br>connection. Standard out-line<br>transformer - Links measured<br>elsewhere | D-DT-<br>1866B        | No |  |  |  |  | - |

|   |   |  |    |  |   |  |   |
|---|---|--|----|--|---|--|---|
|   | <b>Testing</b>  |  |    |  |   |  |   |
| 3.25                                      | Allowance shall be made for the complete testing and commissioning of the Medium Voltage overhead distribution system |  |    |  |   |  |   |
| 3.26                                      | MV Test   |  | No |  | - |  | - |
| <b>TOTAL : Carried forward to summary</b> |   |  |    |  |   |  | - |

**BILL NO 4 - SUPPORT FOR OVERHEAD RETICULATION**

| PWBS |   | ENQUIRY NO:      |      |                 |             |              |                 |
|------|---|------------------|------|-----------------|-------------|--------------|-----------------|
| Item | Description   | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|      | <b>Poles and Crossarms</b>  |                  |      |                 |             |              |                 |
| Note | Poles for service connections are measured elsewhere<br>Supply and install pole in excavated hole, including cutting and scafing, kicking blocks, bonding, treating, etc.<br>Excavations and compaction are measured elsewhere. |                  |      |                 |             |              |                 |
| 4.1  | Pole, Wood 7,0m x 120-139 Top Dia.  | DDT-055          | No   |                 |             |              | -               |
| 4.2  | Pole, Wood 9,0m x 140-159 Top Dia.  | DDT-055          | No   |                 |             |              | -               |
| 4.3  | Pole, Wood 10,0m x 160-179 Top Dia.   | DDT-055          | No   |                 |             |              | -               |
| 4.4  | Pole, Wood 10,0m x 200-219 Top Dia.   | DDT-055          | No   |                 |             |              | -               |
| 4.5  | Pole, Wood 11,0m x 160-179 Top Dia.   | DDT-055          | No   |                 |             |              | -               |
| 4.6  | Pole, Wood 11,0m x 180-199 Top Dia.   | DDT-055          | No   |                 |             |              | -               |
| 4.7  | Pole, Wood 11,0m x 200-220 Top Dia.   | DDT-055          | No   |                 |             |              | -               |

|      |  |             |    |  |  |  |  |  |   |
|------|--|-------------|----|--|--|--|--|--|---|
| 4.8  | Pole, Wood 12,0m x 180-199 Top Dia.  | DDT-0053(T) | No |  |  |  |  |  | - |
| 4.9  | Pole, Wood 12,0m x 200-219 Top Dia.  | DDT-0053(U) | No |  |  |  |  |  | - |
| 4.10 | Pole, Wood 13,0m x 180-199 Top Dia.  | DDT-0053(W) | No |  |  |  |  |  | - |
| 4.11 | Pole, Wood 13,0m x 200-219 Top Dia.  | DDT-0053(X) | No |  |  |  |  |  | - |
|      | <b>Supply, off load and install the following wooden cross arms.</b>   |             |    |  |  |  |  |  |   |
| 4.12 | X-arm, Wood 2.5m x 140-159 Top Dia   | DDT-061     | No |  |  |  |  |  | - |
| 4.13 | X-arm, Wood 3.5m x 140-159 Top Dia   | DDT-061     | No |  |  |  |  |  | - |
| 4.14 | X-arm, Wood 4.5m x 140-159 Top Dia   | DDT-061     | No |  |  |  |  |  | - |
| 4.15 | 6m, 160-179mm Diameter   |             | No |  |  |  |  |  | - |
| 4.16 | 7m, 160-179mm Diameter   |             | No |  |  |  |  |  | - |
|      | <b>Stays, Flying Stays and Anti-Climbing Devices</b>   |             |    |  |  |  |  |  |   |
| Note | The unit price for a standard stay and an aerial stay shall exclude the wooden poles, but include the stay wire, stay rods, insulators, stay plate, stay guards, bitumastic paint, guy grip dead end, earthing of stay, line splice, precast concrete slabs, pole clamp, nuts bolts and washers etc. |             |    |  |  |  |  |  |   |
|      | The following stays shall be in accordance with the specification and shall include a stay plate   |             |    |  |  |  |  |  |   |
| 4.17 | LV Stay  | DDT-0341    | No |  |  |  |  |  | - |
| 4.18 | MV Stay  | DDT-0341    | No |  |  |  |  |  | - |
|      | The following struts shall be in accordance with the specification   |             |    |  |  |  |  |  |   |

|                                  |          |          |    |  |  |  |   |
|----------------------------------|----------|----------|----|--|--|--|---|
| 4.19                             | LV Strut | DDT-0342 | No |  |  |  | - |
| 4.20                             | MV Strut | DDT-0342 | No |  |  |  | - |
| Amount carried over to next page |          |          |    |  |  |  | - |

| Item | Description  | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|------|--|------------------|------|-----------------|-------------|--------------|-----------------|
|      | Amount brought forward from previous page  |                  |      |                 |             |              | -               |
| 4.21 | Equipment anti climbing device   | DDT....          | No   |                 |             |              | -               |
|      | <b>Excavations and Compaction</b>  |                  |      |                 |             |              |                 |
| Note | The excavations for service connections are measured elsewhere   |                  |      |                 |             |              |                 |
|      | Determination of pole positions, excavate, and supply a mechanical boring device if required. The rate shall include backfilling, compaction to 93% MOD AASHTO density, and where necessary the supply and transportation of suitable ground as may be required to receive the desired compaction, except where cement is specified. Any damage to existing services shall be made good by the Contractor at his own expense and to the approval or the PM(C). |                  |      |                 |             |              |                 |
| 4.22 | Hole for 7m pole - 1.4m deep   |                  | No   |                 |             |              | -               |
| 4.23 | Hole for 9m pole - 1.6m deep   |                  | No   |                 |             |              | -               |
| 4.24 | Hole for 10m pole - 1.6m deep  |                  | No   |                 |             |              | -               |
| 4.25 | Hole for 11m pole - 1.8m deep  |                  | No   |                 |             |              | -               |
| 4.26 | Hole for 12m pole - 2.0m deep  |                  | No   |                 |             |              | -               |

|                                  |   |    |  |  |  |  |  |   |
|----------------------------------|---|----|--|--|--|--|--|---|
| 4.27                             | Hole for 13m pole - 2.0m deep                         | No |  |  |  |  |  | - |
| 4.28                             | Hole for LV stay - 1.4m deep                          | No |  |  |  |  |  | - |
| 4.29                             | Hole for MV stay - 1.5m deep                          | No |  |  |  |  |  | - |
| 4.30                             | Hole for LV strut - 1.4m deep                         | No |  |  |  |  |  | - |
| 4.31                             | Hole for MV strut - 1.4m deep                         | No |  |  |  |  |  | - |
| 4.32                             | Blasting - per hole                                   | No |  |  |  |  |  | - |
| 4.33                             | Mechanical excavation (Provisional) - Up to 2.2m deep | No |  |  |  |  |  | - |
| Amount carried over to next page |   |    |  |  |  |  |  | - |

| Item | Description   | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|------|---|------------------|------|-----------------|-------------|--------------|-----------------|
|      | Amount brought forward from previous page   |                  |      |                 |             |              | -               |
|      | <b>Pole Labels</b>  |                  |      |                 |             |              |                 |
|      | Supply and install labels on all poles (Transformers, links, LV fuses, pole boxes etc.) in accordance with the specifications including the provision of all fixing materials |                  |      |                 |             |              |                 |
| 4.34 | Equipment labels  |                  | No   |                 |             |              | -               |
|      | <b>Bird flight diverters</b>  |                  |      |                 |             |              |                 |
| 4.35 | Bird flight diverters   |                  | No   |                 |             |              | -               |
|      | <b>Vibration Dampers</b>  |                  |      |                 |             |              |                 |
| 4.36 | Supply and vibration dampers on conductor in accordance with the specifications   |                  | No   |                 |             |              | -               |

| <b>Pistol Grips</b>        |   |    |  |  |  |   |
|----------------------------|---|----|--|--|--|---|
|                            | Supply and pistol grips on line hardware in accordance with the specifications  |    |  |  |  |   |
| 4.37                       | Pistol Grips  | No |  |  |  | - |
| 4.38                       | Spark Gap Device  | No |  |  |  | - |
| <b>Concrete</b>            |   |    |  |  |  |   |
|                            | Ready mix concrete slabs for pole bases as required   |    |  |  |  |   |
| 4.39                       | Concrete bases  | No |  |  |  | - |
|                            | Supply and mix cement on site into material excavated from pole hole, including the provision of water to ensure the correct moisture content of the backfill material.         |    |  |  |  |   |
| 4.40                       | Cement mixture per hole   | No |  |  |  | - |
| <b>Line Route Clearing</b> |   |    |  |  |  |   |
|                            | Clearing of trees from a servitude, including the stacking or disposal of cuttings and debris, as directed by eskom, and the poisoning of stumps with an approved poison.       |    |  |  |  |   |
| 4.41                       | Dense bush(thin dense blackwattles, thornbush or brambles- not possible to walk through) MV 12 meter wide strip (6m either side of the centre line) to be cleared and poisoned. | m  |  |  |  | - |
| 4.42                       | Ditto, but for LV 1m wide strip and no poisoning required   | m  |  |  |  | - |
| 4.43                       | Small trees (less than 30cm diameter scattered bush or plantation-accessible on foot) MV 12m wide strip (6m on either side of the line) to be cleared and poisoned.             | m  |  |  |  | - |



|   |   |      |  |  |  |  |   |
|---|---|------|--|--|--|--|---|
| 4.44                                      | Ditto, but for LV 1m wide strip and no poisoning required   | m    |  |  |  |  | - |
| 4.45                                      | Large trees (greater then 30cm diameter) including poisoning  | No   |  |  |  |  | - |
| 4.46                                      | Obtaining permits from DWAF   | SUM  |  |  |  |  | - |
| 4.47                                      | AMAFA PERMITS<br><b>Survey</b>  | SUM  |  |  |  |  | - |
| 4.48                                      | Set out pole and stay positions as indicated on rough detail sketches by tape measure and sighting rods where survey was not done by Eskom; | Rate |  |  |  |  | - |
| <b>TOTAL : Carried forward to summary</b> |   |      |  |  |  |  | - |

### BILL NO 5 - LV OVERHEAD DISTRIBUTION LINES

| PWBS |  | ENQUIRY NO:      |      |                 |             |              |                 |
|------|--|------------------|------|-----------------|-------------|--------------|-----------------|
| Item | Description  | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|      | <b>LV ABC</b>  |                  |      |                 |             |              |                 |
| Note | The LV insulated aerial bundle conductor system shall be in accordance with SABS 1418 and insulated in accordance with SABS 0198 and the Distribution Standard Part 3.   |                  |      |                 |             |              |                 |
| Note | The unit rate per meter shall include the tensioning and stringing of the bundle in accordance with the sag and stress tables provided by the manufacturer with all plant, equipment and accessories required to erect an LV overhead bundled distribution line i.e. Drum trailer, winch, wind-off pulleys, pulling rope/cable with connection, dynamometer, slide-lock, sheathed synthetic-fibre belt, woven snatch belt, snatch block, tackle, shackle, etc. |                  |      |                 |             |              |                 |

|                      |   |  |   |  |  |  |   |
|----------------------|---|--|---|--|--|--|---|
| Note                 | <p>Measured lengths for stringing shall be net line route lengths and unit rates shall include for sag, off-cuts, etc.</p> <p>Contractor to, safely store and transport to site and string. The conductor will be delivered on sealed drums and adequate allowance shall be made for the correct handling thereof.</p>  |  |   |  |  |  |   |
| 5.1                  | Single phase ABC (35mm <sup>2</sup> insulated)  |  | m |  |  |  | - |
| 5.2                  | Dual phase ABC (35mm <sup>2</sup> insulated)  |  | m |  |  |  | - |
| 5.3                  | Three phase ABC (35mm <sup>2</sup> insulated)   |  | m |  |  |  | - |
|                      | Three phase ABC (70mm <sup>2</sup> insulated)   |  | m |  |  |  | - |
| <b>LV STRUCTURES</b> |   |  |   |  |  |  |   |
|                      | <p>Allow for the assembly of the following LV strain and suspension assemblies in accordance with the specifications shown in the drawings. Including all earthing, drilling of holes and treating of drilled holes. All LV ABC hardware, line connectors, PVC cable ties, nuts, bolts, washers, lock washers shall be allowed for in the appropriate item below. Excluding the supply and planting of poles, stays and struts, which are measured elsewhere.</p> |  |   |  |  |  |   |
|                      | Amount carried over to next page  |  |   |  |  |  | - |

| Item | Description                               | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|------|---|------------------|------|-----------------|-------------|--------------|-----------------|
|      | Amount brought forward from previous page |                  |      |                 |             |              | -               |

Supply and install all the materials as specified for the following

**LV STRUCTURES SINGLE PHASE**

|     |                              |          |    |  |  |  |  |  |  |   |
|-----|------------------------------|----------|----|--|--|--|--|--|--|---|
| 5.4 | ABC Suspension Assembly 0-30 | DDT-1153 | No |  |  |  |  |  |  |   |
| 5.5 | ABC Terminal Assembly        | DDT-1154 | No |  |  |  |  |  |  | - |
| 5.6 | ABC Strain Assembly (0-60°)  | DDT-1155 | No |  |  |  |  |  |  | - |
| 5.7 | ABC Strain Assembly (60-90°) | DDT-1156 | No |  |  |  |  |  |  | - |
| 5.8 | ABC T-off from Intermediate  | DDT-1157 | No |  |  |  |  |  |  | - |
| 5.9 | ABC T-off from Strain        | DDT-1159 | No |  |  |  |  |  |  | - |

**LV STRUCTURES DUAL PHASE**

|      |                              |          |    |  |  |  |  |  |  |   |
|------|------------------------------|----------|----|--|--|--|--|--|--|---|
| 5.10 | ABC Suspension Assembly 0-30 | DDT-1145 | No |  |  |  |  |  |  | - |
| 5.11 | ABC Terminal Assembly        | DDT-1146 | No |  |  |  |  |  |  | - |
| 5.12 | ABC Strain Assembly (0-60°)  | DDT-1147 | No |  |  |  |  |  |  | - |
| 5.13 | ABC Strain Assembly (60-90°) | DDT-1148 | No |  |  |  |  |  |  | - |
| 5.14 | ABC T-off from Intermediate  | DDT-1149 | No |  |  |  |  |  |  | - |
| 5.15 | ABC T-off from Strain        | DDT-1151 | No |  |  |  |  |  |  | - |

**LV STRUCTURES THREE PHASE**

|      |                              |           |    |  |  |  |  |  |  |   |
|------|------------------------------|-----------|----|--|--|--|--|--|--|---|
| 5.16 | ABC Suspension Assembly 0-30 | D-DT-1100 | No |  |  |  |  |  |  | - |
| 5.17 | ABC Terminal Assembly        | D-DT-1120 | No |  |  |  |  |  |  | - |
| 5.18 | ABC Strain Assembly (0-60°)  | D-DT-1121 | No |  |  |  |  |  |  | - |

|                                  |                              |           |    |  |  |  |  |   |
|----------------------------------|------------------------------|-----------|----|--|--|--|--|---|
| 5.19                             | ABC Strain Assembly (60-90°) | D-DT-1122 | No |  |  |  |  | - |
| 5.20                             | ABC T-off from Intermediate  | D-DT-1140 | No |  |  |  |  | - |
| 5.21                             | ABC T-off from Strain        | D-DT-1142 | No |  |  |  |  | - |
| Amount carried over to next page |                              |           |    |  |  |  |  | - |

| Item                             | Description  | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |   |
|----------------------------------|--|------------------|------|-----------------|-------------|--------------|-----------------|---|
|                                  | Amount brought forward from previous page  |                  |      |                 |             |              | -               |   |
|                                  | <b>LV Fuse Switch Units</b><br>Supply, deliver to site, off load on site and safely store. The fused switch shall be supplied complete with the pole mounting bracket, nuts, bolts, washers, etc. for securing the unit to the wooden pole. The fuses shall be supplied with the fuse switch unit. Fuse ratings shall be as shown on the drawings. Install the on load fused disconnecting switch on the transformer structure including the drilling of holes as required, including the termination of the LV ABC to the unit. |                  |      |                 |             |              |                 |   |
| 5.22                             | 63A Load disconnecting switch similar to MORSDORPHER 63A   |                  | No   |                 |             |              | -               |   |
| 5.23                             | 160A Load disconnecting switch with MORSDORPHER 125A fuse  |                  | No   |                 |             |              | -               |   |
| Amount carried over to next page |  |                  |      |                 |             |              |                 | - |

| Item | Description                 | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|------|-----------------------------|------------------|------|-----------------|-------------|--------------|-----------------|
|      | Amount brought forward from |                  |      |                 |             |              |                 |

previous page

**LV Pole Mounted Service Boxes**

Supply and install on a wooden and/or concrete pole a pole mounted distribution box as specified complete with pole mounting brackets, cable ties, PG clamps, miniature circuit breaker(s), neutral, phase and earth bars, insulated copper tails for connecting to LV ABC, insulation piercing connectors and factory installed cable openings. Included shall be the stainless steel strapping and buckles and terminations of the tails onto the LV ABC.

5.24 2 - 4 York type box, complete with insulated copper tails, insulation piercing connectors and nylon compression glands.

DDT-3055

No

-

5.25 4 - 8 York type box, complete with insulated copper tails, insulation piercing connectors and nylon compression glands.

DDT-3055

No

-

**Earthing of LV Network**

Note All MV transformer earthing is measured elsewhere and all LV earths per structure are measured with the structure. This section is intended for LV earths at transformers

Allowance shall be made for the testing of the earth resistance for the entire reticulation system in accordance with the TN-C-S earthing system as defined in the Distribution Standard Part 2 and any earth tests which may be required in terms of the standard and detailed specifications.

5.26 LV Earth

DDT-0637

No

-

**Testing**

|   |  |  |    |  |  |  |  |   |
|---|--|--|----|--|--|--|--|---|
| 5.27                                      | Allowance shall be made for the testing of each LV ABC distributor on accordance with the project specification. Included shall be the provision of test certificates and all documentation as required. |  |    |  |  |  |  |   |
|   | LV Test  |  | No |  |  |  |  | - |
| <b>TOTAL : Carried forward to summary</b> |  |  |    |  |  |  |  | - |

### BILL NO 6 - HOUSE CONNECTIONS

| PWBS |   | ENQUIRY NO:      |      |                 |             |              |                 |
|------|---|------------------|------|-----------------|-------------|--------------|-----------------|
| Item | Description   | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|      | <b>House Connections</b>  |                  |      |                 |             |              |                 |
| 6.1  | House Connections (Type B), test and commissioning complete including IC's, supply and install house labelling, completion of PCS file, sealing of meters and as built drawings on completion. Poles and excavation are measured elsewhere. | DDT 0361         | No   |                 |             |              | -               |
|      | <b>Conductor</b>  |                  |      |                 |             |              |                 |
| Note | Measured lengths for stringing shall be net line route lengths and unit rates shall include for sag, cut-offs etc.  |                  |      |                 |             |              |                 |
| Note | Contractor to supply, safely store, transport to site and string. Installation includes all glands, lugs, shrouds, termination and connections as required.   |                  |      |                 |             |              |                 |
| 6.2  | (Assumed 45.00m per connection)<br>CABLE 1KV 2C 4mm SQ<br>CONCENTRIC CU   |                  | m    |                 |             |              | -               |

|  |                                       |             |    |  |  |  |   |
|--|---------------------------------------|-------------|----|--|--|--|---|
| 6.3  | CABLE 1KV 2C 10mm SQ<br>CONCENTRIC CU |             | m  |  |  |  | - |
| <b>Sundry Items</b>  |                                       |             |    |  |  |  |   |
| <b>Supply and install pole in excavated hole, including cutting and scafing, kicking bolts, bonding, treating, etc. Excavations and compaction are measured elsewhere.</b> |                                       |             |    |  |  |  |   |
| 6.4  | 5m Pole, 80-99mm top diameter         | DDT<br>0058 | No |  |  |  | - |
| 6.5  | 7m Pole, 120-139mm top diameter       | DDT<br>0050 | No |  |  |  | - |
| Amount carried over to next page   |                                       |             |    |  |  |  | - |

| Item                          | Description  | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|-------------------------------|--|------------------|------|-----------------|-------------|--------------|-----------------|
|                               | Amount brought forward from previous page  |                  |      |                 |             |              | -               |
|                               | Determination of pole positions, excavate, and supply a mechanical boring device if required. The rate shall include backfilling, compaction to 93% MOD AASHTO density, and where necessary the supply and transportation of suitable ground as may be required to receive the desired compaction, except where cement is specified. Any damage to existing services shall be made good by the Contractor at his own expense and to the approval or the PM(C). |                  |      |                 |             |              |                 |
| 6.6                           | Hole for 5m service pole - 1m deep   |                  | No   |                 |             |              | -               |
| 6.7                           | Hole for 7m service pole - 1.4m deep   |                  | No   |                 |             |              | -               |
| <b>Meters and readyboards</b> |  |                  |      |                 |             |              |                 |

|   |                                  |    |  |  |   |
|---|----------------------------------|----|--|--|---|
| 6.8                                       | METER,STD ECU KEYPAD 20A         | No |  |  | - |
| 6.9                                       | PASSIVE BASE UNIT, ECU WITH RAIL | No |  |  | - |
| <b>TOTAL : Carried forward to summary</b> |                                  |    |  |  | - |

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  |  |
|--|--|--|--|--|--|

|      |  |             |  |            |  |
|------|--|-------------|--|------------|--|
| PWBS |  | ENQUIRY NO: |  | DETAIL BOQ |  |
|------|--|-------------|--|------------|--|

| Item | Description | Detail Reference | Unit | Total Price (R) |  |
|------|-------------|------------------|------|-----------------|--|
|------|-------------|------------------|------|-----------------|--|

|   |   |  |  |  |  |
|---|---|--|--|--|--|
| 1 | PRELIMINARY AND GENERAL                                       |  |  |  |  |
| 2 | MEDIUM VOLTAGE SWITCHGEAR, SECTIONALISERS, TRANSFORMERS, ETC. |  |  |  |  |
| 3 | MEDIUM VOLTAGE OVERHEAD DISTRIBUTION SYSTEM                   |  |  |  |  |
| 4 | SUPPORT FOR OVERHEAD RETICULATION                             |  |  |  |  |
| 5 | LOW VOLTAGE OVERHEAD DISTRIBUTION LINES                       |  |  |  |  |
| 6 | HOUSE CONNECTIONS   |  |  |  |  |
|   | <b><u>Sub Total(1)</u></b>                                    |  |  |  |  |
|   | <b><u>Contingency @ 10%</u></b>                               |  |  |  |  |
|   | <b><u>Retention @ 10%</u></b>                                 |  |  |  |  |
|   | <b><u>Sub Total (2)</u></b>                                   |  |  |  |  |
|   | <b><u>Vat @ 15%</u></b>                                       |  |  |  |  |
|   | <b><u>Grand Total</u></b>                                     |  |  |  |  |



**PRICING SCHEDULE YEAR THREE**

**MBD 3.3**

|                       |                     |
|-----------------------|---------------------|
| Name of Bidder: _____ | Bid Number: _____   |
| Closing Time: _____   | Closing Date: _____ |

OFFER TO BE VALID FOR 90 DAYS FROM THE CLOSING DATE OF BID.

| <b>ITEM NO.</b> | <b>DESCRIPTION</b> | <b>BID PRICE IN RSA CURRENCY (INCLUDING VAT)</b> |
|-----------------|--------------------|--|
|-----------------|--------------------|--|

5. The accompanying information must be used for the formulation of proposals
6. Bidders are required to indicate a ceiling price based on the total estimated time for completion of all phases and including all expenses inclusive of VAT for the project.

R \_\_\_\_\_

| Number of Units to be Constructed in year three   | Cost per connection including meters & basis | Construction Cost excl contingences | Contingences (10%) | Indirect Cost & Disbursements/ Proposed fees (%) | TOTAL PROJECT COST INCLUDING CONTINGENCES (Amount) |
|---|--|-------------------------------------|--------------------|--|--|
| <b>APPOINTMENT OF A PANEL OF 4 (FOUR) ELECTRICAL SERVICE PROVIDER TO DESIGN AND IMPLEMENT ELECTRIFICATION PROJECTS FOR A PERIOD OF 3 YEARS IN PHASES USING TURNKEY STRATEGY</b> |  |                                     |                    |  |  |

## BILL NO 1 - PRELIMINARY AND GENERAL

| PWBS |   | ENQUIRY NO<br>DD/FM     |      |                 |                 |                 |                       |
|------|---|-------------------------|------|-----------------|-----------------|-----------------|-----------------------|
|      | Description   | Detail<br>Referen<br>ce | Unit | Fixed<br>Charge | Time<br>Related | Install<br>Rate | Total<br>Price<br>(R) |
|      | <b>Conditions of Contract</b>   |                         |      |                 |                 |                 |                       |
| 1.1  | Contractual requirements<br>Contractual requirements<br>including, amongst others,<br>Insurance of Works, Transport &<br>Residence, Preparation of Site<br>Camp, maintenance of fire-breaks,<br>Dismantling of Site Camp &<br>restoration to original condition,<br>Attendance to meetings, liaison &<br>co-ordination with TSC, roads<br>authority, SAPS for outages,<br>Handing Over as per TQRRP020,<br>weekly stats reporting, monthly<br>man hours reporting, etc...<br>CONSTRUCTION PERIOD ONE<br>MONTH |                         | Item |                 |                 |                 | R<br>-                |
|      | <b>Site Store and Office</b>  |                         |      |                 |                 |                 |                       |
| 1.2  | The Electrical contractor shall<br>provide for a temporary site office,<br>for his own use where all drawings<br>and specifications shall be kept in<br>accordance with the provisions of<br>the specifications, as well as<br>provision of safe and adequate<br>storage space for all material and<br>the removal of such on<br>completion.(Erection of Sign board<br>also to be catered for)  |                         | Item |                 |                 |                 | R<br>-                |
|      | <b>Materials Management</b>   |                         |      |                 |                 |                 |                       |
| 1.3  | Allow for co-ordination, receipt and<br>handling of materials, including<br>the transport, loading & offloading,<br>safekeeping & storage and the<br>maintenance of a record keeping<br>system to track the issue of<br>materials for incorporation into the<br>works. Materials include:<br>Bulkmeter, Recloser,<br>Transformers, Meters, bases Split<br>Prepayment DIN Rail 20A, Ready  |                         | Item |                 |                 |                 | R<br>-                |

|      |  |      |  |  |  |        |
|------|--|------|--|--|--|--------|
|      | Board, Hare, Fox Conductor, LV<br>ABC Conductor, Cable 10mmSQ<br>Concentric CU X 1 Comms, Labels<br>& Seals etc. |      |  |  |  |        |
|      | <b>Sample Line</b>   |      |  |  |  |        |
| 1.4  | Construct a sample line / first<br>transformer zone as per the<br>generic drawing by T & Q Dept.                 | Item |  |  |  | R<br>- |
| 1.5  | <b>Provision for compliance to new<br/>safety regulations, OHSA Act.</b>   |      |  |  |  |        |
|      | *Legal and contractual compliance  | Item |  |  |  | R<br>- |
|      | *Personal protective Equipment   | Item |  |  |  | R<br>- |
|      | *Fall arrest<br>system/Ladders/Climbing Irons  | Item |  |  |  | R<br>- |
|      | Provison for compliance to<br>Construction Regulations.  | Item |  |  |  | R<br>- |
| 1.6  | EPWP as specified in Works Order<br>.  | Item |  |  |  | R<br>- |
|      | <b>Other</b>   |      |  |  |  |        |
| Note | The Contractor is to list any other<br>items that he deems to be<br>necessary.                                   |      |  |  |  |        |
| 1.7  | Provision for Community Liason<br>Officer (CLO)  | Item |  |  |  | R<br>- |
| 1.8  | Student training   | Item |  |  |  | R<br>- |
|      | <b>TOTAL : Carried forward to<br/>summary</b>  |      |  |  |  | R<br>- |

**BILL NO 2 - MEDIUM VOLTAGE SWITCHGEAR, SECTIONALISERS, TRANSFORMERS, ETC**

| PWBS                                  |   | ENQUIRY NO:      |      |                 |             |              |                 |
|---------------------------------------|---|------------------|------|-----------------|-------------|--------------|-----------------|
| Item                                  | Description   | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
| <b>Transformers</b>                   |   |                  |      |                 |             |              |                 |
|                                       | Supply and install on appropriate structure and secure as required including the termination of cables and conductors, the provision of suitable lugs for 35, 50 or 70mm conductor as required. Excluding cable, conductors, and the transformer structure.   |                  |      |                 |             |              |                 |
| 2.1                                   | Transformer 16kVA, 22kV   | DDT 3021         | No   |                 |             |              | -               |
| 2.2                                   | Transformer 32kVA, 22kV   | DDT 3021         | No   |                 |             |              | -               |
| 2.3                                   | Transformer 50kVA, 22kV   | DDT 3021         | No   |                 |             |              | -               |
| 2.4                                   | Transformer 64kVA, 22kV   | DDT 3021         | No   |                 |             |              | -               |
| 2.5                                   | Transformer 100kVA, 22kV  | DDT 3021         | No   |                 |             |              | -               |
| <b>MV Auto Reclosers</b>              |   |                  |      |                 |             |              |                 |
| 2.6                                   | 22kV Recloser complete with platform and control box  | DDT182 9B        | No   |                 |             |              | -               |
| <b>Medium Voltage Surge Arrestors</b> |   |                  |      |                 |             |              |                 |
|                                       | Supply, deliver, off load on site and safely store on site the following surge arrestors, complete with galvanised steel mounting brackets for securing the surge arrestor, nuts, bolts, washers and lock washers as specified. Secure the surge arrestors and brackets to the transformer as specified |                  |      |                 |             |              |                 |

|      |   |          |          |  |  |  |  |   |
|------|---|----------|----------|--|--|--|--|---|
|      | including the termination of conductors. Excluding the conductors and transformer. NOTE: Two sets of surge arrestors per transformer bushing inclu support bracket and accessories.             |          |          |  |  |  |  |   |
| 2.7  | 22kV, 24kA Surge arrestor   | DDT 3100 | No       |  |  |  |  | - |
|      | <b>Medium Voltage Sectionalisers and Links</b>  |          |          |  |  |  |  |   |
|      | Supply and install link isolators as detailed including the installation of crossarm brackets and the termination of conductors and including the drilling of holes in wooden poles as required |          |          |  |  |  |  |   |
| 2.8  | Dual Phase Fuse Links (Including 1866/65B Structures)   | DDT 1848 | Set of 2 |  |  |  |  | - |
| 2.9  | Three Phase Fuse Links (Including 1866/65B structures)  | DDT 1848 | Set of 3 |  |  |  |  | - |
| 2.10 | Three Phase Solid Links (Including 1866B structures)  | DDT 1848 | Set of 3 |  |  |  |  | - |
|      | <b>Neutral Surge Arrestor</b>   |          |          |  |  |  |  |   |
|      | Supply and install a LV surge arrestor including lugs and galvanised bolts  |          |          |  |  |  |  |   |
| 2.11 | Surge arrestor  | DDT 1860 | No       |  |  |  |  | - |
|      | Amount carried over to next page  |          |          |  |  |  |  | - |

| Item | Description                               | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|------|---|------------------|------|-----------------|-------------|--------------|-----------------|
|      | Amount brought forward from previous page |                  |      |                 |             |              | -               |
|      | <b>Transformer Earthing</b>               |                  |      |                 |             |              |                 |

|      |   |             |    |  |  |  |  |   |
|------|---|-------------|----|--|--|--|--|---|
| 2.12 | <p>Supply and install all materials for the complete earthing of transformer structures for ABC networks as specified. Included in the rate shall be all required spikes, insulated copper conductor, galvanised conduits, staples, bare copper, excavations, backfilling, etc. The rate shall allow for one MV earth electrode only, consisting of four earth spikes in accordance with the specifications. Additional earth spikes/conductor shall be measured elsewhere if required.</p> | DDT<br>1860 | No |  |  |  |  | - |
|      | <b>TOTAL : Carried forward to summary</b>   |             |    |  |  |  |  |   |

**BILL NO 3 - MEDIUM VOLTAGE OVERHEAD DISTRIBUTION SYSTEM**

| PWBS  |   | ENQUIRY NO:      |      |                 |             |              |                 |
|-------|---|------------------|------|-----------------|-------------|--------------|-----------------|
| Item  | Description   | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|       | <b>Conductor</b>  |                  |      |                 |             |              |                 |
|       | Supply, safely store on sealed drums with ends adequately secured and transport to site conductor as specified. String conductor as specified including splices, jumper conductor ties, strain clamps, suspension clamps, tensioning, sagging, etc. |                  |      |                 |             |              |                 |
| Note  | The following dimensions will all be "Line Length"  |                  |      |                 |             |              |                 |
| 3.1   | <b>FOX</b>  |                  |      |                 |             |              |                 |
| 3.1.1 | Dual Phase  |                  | m    |                 |             |              | -               |
| 3.1.2 | Three Phase   |                  | m    |                 |             |              | -               |
|       | <b>Medium Voltage Structures</b>  |                  |      |                 |             |              |                 |

|                                  |   |              |    |  |  |  |   |
|----------------------------------|---|--------------|----|--|--|--|---|
| Note                             | <p>Allow for the following structures and insulator assemblies in accordance with the specifications as shown in the drawings. Include the drilling of holes and treating of such holes, the provision of the U-nails and earthwire in accordance with Eskom specifications. The supply and installation of 15m of 3/3.35x1100MPa steel wire for a BIL for each pole structure as per Eskom specification. Exclude the supply and planting of poles, stays and struts which are measured elsewhere.</p> <p>Supply and install all material as specified for the construction of the following MV structures. Including bonding of hardware and earthing. All excavations, poles, crossarms and stays are measured elsewhere</p> |              |    |  |  |  |   |
| 3.2                              | Phase / phase - Delta / 2,5m Wood X-arm - Intermediate - 0° Deviation - 10KN RX   | DDT-1340B RX | No |  |  |  | - |
| 3.3                              | Phase / phase - Delta / 2,5m Wood X-arm - Intermediate - 0° Deviation   | DDT-1340B    | No |  |  |  | - |
| 3.4                              | Phase / phase - Delta / 2,5m Wood X-arm - Strain - 0° Deviation   | DDT-1343     | No |  |  |  | - |
| 3.5                              | Phase / phase - Delta / 2,5m Wood X-arm - Strain - Medium(1°-60°) Deviation   | DDT-1344     | No |  |  |  | - |
| 3.6                              | Phase / phase - Delta / 2,5m Wood X-arm - Strain - Terminal   | DDT-1346     | No |  |  |  | - |
| 3.7                              | Phase / phase - H-Pole / 4,5m Wood X-arm - Intermediate - 0 deg Deviation   | DDT-1370     | No |  |  |  | - |
| Amount carried over to next page |   |              |    |  |  |  | - |

| Item | Description                               | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|------|---|------------------|------|-----------------|-------------|--------------|-----------------|
|      | Amount brought forward from previous page |                  |      |                 |             |              | -               |

|      |  |               |    |  |  |  |  |  |   |
|------|--|---------------|----|--|--|--|--|--|---|
| 3.8  | 3 Phase - Delta / 2,5m Wood X-arm<br>- Intermediate - 0° Deviation   | DDT-1740B     | No |  |  |  |  |  | - |
| 3.9  | 3 Phase - Delta / 2,5m Wood X-arm<br>- Intermediate - 0deg Deviation - (<br>With Raptor Protector) Including<br>10KN Cap Insulators          | D-DT-1740B-RX | No |  |  |  |  |  | - |
| 3.10 | 3 Phase - Delta / 2,5m Wood X-arm<br>- 0° Deviation  | DDT-1743      | No |  |  |  |  |  | - |
| 3.11 | 3 Phase - Delta / 2,5m Wood X-arm<br>- 60-90 - Fox   | DDT-1744      | No |  |  |  |  |  | - |
| 3.12 | 3 Phase - Delta / 2,5m Wood X-arm<br>- Strain - Terminal   | DDT-1746      | No |  |  |  |  |  | - |
| 3.13 | 3 Phase - Delta / 4,5m Wood X-arm<br>- Intermediate - 0° Deviation<br>,Including 10KN Cap Insulators   | D-DT-1750-RX  | No |  |  |  |  |  | - |
| 3.14 | 3 Phase - Delta / 4,5m Wood X-arm<br>- Strain - 0° Deviation   | D-DT-1753     | No |  |  |  |  |  | - |
| 3.15 | 3 Phase - Delta / 4,5m Wood X-arm<br>- Strain - Medium(1°-60°) Deviation   | D-DT-1754     | No |  |  |  |  |  | - |
| 3.16 | 3 Phase - Delta / 4,5m Wood X-arm<br>- Strain - Terminal   | D-DT-1756     | No |  |  |  |  |  | - |
| 3.17 | 3 Phase Take-off - 2.5m Wooden X-arm   | D-DT-1804     | No |  |  |  |  |  | - |
| 3.18 | 3 Phase Take-off - 2 x 2.5m<br>Wooden X-arm  | D-DT-1805     | No |  |  |  |  |  | - |
| 3.19 | 3 Phase Take-off - H-Pole (3,5m<br>Wooden X-arm)   | DDT-1806      | No |  |  |  |  |  | - |
| 3.20 | 3 Phase Take-off - H-Pole (2 x 3,5m<br>Wooden X-arm)   | DDT-1807      | No |  |  |  |  |  | - |
| 3.21 | Phase / phase Take-off - 2,5m<br>Wooden X-arm  | DDT-1814      | No |  |  |  |  |  | - |
| 3.22 | Phase / phase Take-off - 3,5m<br>Wooden X-arm  | DDT-1816      | No |  |  |  |  |  | - |
| 3.23 | Transformer - Single pole mount -<br>16-100kVA - General arrangement   | DDT-1860/1    | No |  |  |  |  |  | - |
| 3.24 | Transformer - 16-50kVA - General<br>arrangement, complete with<br>connection. Standard out-line<br>transformer - Links measured<br>elsewhere | D-DT-1866B    | No |  |  |  |  |  | - |



|   |   |  |    |  |   |  |   |
|---|---|--|----|--|---|--|---|
|   | <b>Testing</b>  |  |    |  |   |  |   |
| 3.25                                      | Allowance shall be made for the complete testing and commissioning of the Medium Voltage overhead distribution system |  |    |  |   |  |   |
| 3.26                                      | MV Test   |  | No |  | - |  | - |
| <b>TOTAL : Carried forward to summary</b> |   |  |    |  |   |  | - |

**BILL NO 4 - SUPPORT FOR OVERHEAD RETICULATION**

| PWBS |   | ENQUIRY NO:      |      |                 |             |              |                 |
|------|---|------------------|------|-----------------|-------------|--------------|-----------------|
| Item | Description   | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|      | <b>Poles and Crossarms</b>  |                  |      |                 |             |              |                 |
| Note | Poles for service connections are measured elsewhere<br>Supply and install pole in excavated hole, including cutting and scafing, kicking blocks, bonding, treating, etc.<br>Excavations and compaction are measured elsewhere. |                  |      |                 |             |              |                 |
| 4.1  | Pole, Wood 7,0m x 120-139 Top Dia.  | DDT-055          | No   |                 |             |              | -               |
| 4.2  | Pole, Wood 9,0m x 140-159 Top Dia.  | DDT-055          | No   |                 |             |              | -               |
| 4.3  | Pole, Wood 10,0m x 160-179 Top Dia.   | DDT-055          | No   |                 |             |              | -               |
| 4.4  | Pole, Wood 10,0m x 200-219 Top Dia.   | DDT-055          | No   |                 |             |              | -               |
| 4.5  | Pole, Wood 11,0m x 160-179 Top Dia.   | DDT-055          | No   |                 |             |              | -               |
| 4.6  | Pole, Wood 11,0m x 180-199 Top Dia.   | DDT-055          | No   |                 |             |              | -               |
| 4.7  | Pole, Wood 11,0m x 200-220 Top Dia.   | DDT-055          | No   |                 |             |              | -               |

|      |   |             |    |  |  |  |  |  |   |
|------|---|-------------|----|--|--|--|--|--|---|
| 4.8  | Pole, Wood 12,0m x 180-199<br>Top Dia.  | DDT-0053(T) | No |  |  |  |  |  | - |
| 4.9  | Pole, Wood 12,0m x 200-219<br>Top Dia.  | DDT-0053(U) | No |  |  |  |  |  | - |
| 4.10 | Pole, Wood 13,0m x 180-199<br>Top Dia.  | DDT-0053(W) | No |  |  |  |  |  | - |
| 4.11 | Pole, Wood 13,0m x 200-219<br>Top Dia.  | DDT-0053(X) | No |  |  |  |  |  | - |
|      | <b>Supply, off load and install the following wooden cross arms.</b>  |             |    |  |  |  |  |  |   |
| 4.12 | X-arm, Wood 2.5m x 140-159<br>Top Dia   | DDT-061     | No |  |  |  |  |  | - |
| 4.13 | X-arm, Wood 3.5m x 140-159<br>Top Dia   | DDT-061     | No |  |  |  |  |  | - |
| 4.14 | X-arm, Wood 4.5m x 140-159<br>Top Dia   | DDT-061     | No |  |  |  |  |  | - |
| 4.15 | 6m, 160-179mm Diameter  |             | No |  |  |  |  |  | - |
| 4.16 | 7m, 160-179mm Diameter  |             | No |  |  |  |  |  | - |
|      | <b>Stays, Flying Stays and Anti-Climbing Devices</b>  |             |    |  |  |  |  |  |   |
| Note | <p>The unit price for a standard stay and an aerial stay shall exclude the wooden poles, but include the stay wire, stay rods, insulators, stay plate, stay guards, bitumastic paint, guy grip dead end, earthing of stay, line splice, precast concrete slabs, pole clamp, nuts bolts and washers etc.</p> <p>The following stays shall be in accordance with the specification and shall include a stay plate</p> |             |    |  |  |  |  |  |   |
| 4.17 | LV Stay   | DDT-0341    | No |  |  |  |  |  | - |
| 4.18 | MV Stay   | DDT-0341    | No |  |  |  |  |  | - |

|      |  |          |    |  |  |  |   |
|------|--|----------|----|--|--|--|---|
|      | The following struts shall be in accordance with the specification |          |    |  |  |  |   |
| 4.19 | LV Strut   | DDT-0342 | No |  |  |  | - |
| 4.20 | MV Strut   | DDT-0342 | No |  |  |  | - |
|      | Amount carried over to next page                                   |          |    |  |  |  | - |

| Item | Description  | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|------|--|------------------|------|-----------------|-------------|--------------|-----------------|
|      | Amount brought forward from previous page  |                  |      |                 |             |              | -               |
| 4.21 | Equipment anti climbing device   | DDT....          | No   |                 |             |              | -               |
| Note | <p><b>Excavations and Compaction</b></p> <p>The excavations for service connections are measured elsewhere</p> <p>Determination of pole positions, excavate, and supply a mechanical boring device if required. The rate shall include backfilling, compaction to 93% MOD AASHTO density, and where necessary the supply and transportation of suitable ground as may be required to receive the desired compaction, except where cement is specified. Any damage to existing services shall be made good by the Contractor at his own expense and to the approval or the PM(C).</p> |                  |      |                 |             |              |                 |
| 4.22 | Hole for 7m pole - 1.4m deep   |                  | No   |                 |             |              | -               |
| 4.23 | Hole for 9m pole - 1.6m deep   |                  | No   |                 |             |              | -               |
| 4.24 | Hole for 10m pole - 1.6m deep  |                  | No   |                 |             |              | -               |
| 4.25 | Hole for 11m pole - 1.8m deep  |                  | No   |                 |             |              | -               |

|                                  |   |    |  |  |  |  |   |
|----------------------------------|---|----|--|--|--|--|---|
| 4.26                             | Hole for 12m pole - 2.0m deep                           | No |  |  |  |  | - |
| 4.27                             | Hole for 13m pole - 2.0m deep                           | No |  |  |  |  | - |
| 4.28                             | Hole for LV stay - 1.4m deep                            | No |  |  |  |  | - |
| 4.29                             | Hole for MV stay - 1.5m deep                            | No |  |  |  |  | - |
| 4.30                             | Hole for LV strut - 1.4m deep                           | No |  |  |  |  | - |
| 4.31                             | Hole for MV strut - 1.4m deep                           | No |  |  |  |  | - |
| 4.32                             | Blasting - per hole                                     | No |  |  |  |  | - |
| 4.33                             | Mechanical excavation - (Provisional) - Up to 2.2m deep | No |  |  |  |  | - |
| Amount carried over to next page |   |    |  |  |  |  | - |

| Item | Description   | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|------|---|------------------|------|-----------------|-------------|--------------|-----------------|
|      | Amount brought forward from previous page   |                  |      |                 |             |              | -               |
|      | <b>Pole Labels</b>  |                  |      |                 |             |              |                 |
|      | Supply and install labels on all poles (Transformers, links, LV fuses, pole boxes etc.) in accordance with the specifications including the provision of all fixing materials |                  |      |                 |             |              |                 |
| 4.34 | Equipment labels  |                  | No   |                 |             |              | -               |
|      | <b>Bird flight diverters</b>  |                  |      |                 |             |              |                 |
| 4.35 | Bird flight diverters   |                  | No   |                 |             |              | -               |
|      | <b>Vibration Dampers</b>  |                  |      |                 |             |              |                 |

|      |  |    |  |  |  |  |  |  |   |
|------|--|----|--|--|--|--|--|--|---|
| 4.36 | Supply and vibration dampers on conductor in accordance with the specifications<br>Vibration Dampers   | No |  |  |  |  |  |  | - |
|      | <b>Pistol Grips</b>  |    |  |  |  |  |  |  |   |
| 4.37 | Supply and pistol grips on line hardware in accordance with the specifications<br>Pistol Grips   | No |  |  |  |  |  |  | - |
| 4.38 | Spark Gap Device   | No |  |  |  |  |  |  | - |
|      | <b>Concrete</b>  |    |  |  |  |  |  |  |   |
| 4.39 | Ready mix concrete slabs for pole bases as required<br>Concrete bases  | No |  |  |  |  |  |  | - |
| 4.40 | Supply and mix cement on site into material excavated from pole hole, including the provision of water to ensure the correct moisture content of the backfill material.<br>Cement mixture per hole   | No |  |  |  |  |  |  | - |
|      | <b>Line Route Clearing</b>   |    |  |  |  |  |  |  |   |
| 4.41 | Clearing of trees from a servitude, including the stacking or disposal of cuttings and debris, as directed by eskom, and the poisoning of stumps with an approved poison.<br>Dense bush(thin dense blackwattles, thornbush or brambles- not possible to walk through) MV 12 meter wide strip (6m either side of the centre line) to be cleared and poisoned. | m  |  |  |  |  |  |  | - |
| 4.42 | Ditto, but for LV 1m wide strip and no poisoning required  | m  |  |  |  |  |  |  | - |
| 4.43 | Small trees (less than 30cm diameter scattered bush or plantation-accessible on foot)  | m  |  |  |  |  |  |  | - |

|   |   |      |  |  |  |  |   |
|---|---|------|--|--|--|--|---|
|   | MV 12m wide strip (6m on either side of the line) to be cleared and poisoned.   |      |  |  |  |  |   |
| 4.44                                      | Ditto, but for LV 1m wide strip and no poisoning required   | m    |  |  |  |  | - |
| 4.45                                      | Large trees (greater than 30cm diameter) including poisoning  | No   |  |  |  |  | - |
| 4.46                                      | Obtaining permits from DWAF   | SUM  |  |  |  |  | - |
| 4.47                                      | AMAFA PERMITS<br>Survey   | SUM  |  |  |  |  | - |
| 4.48                                      | Set out pole and stay positions as indicated on rough detail sketches by tape measure and sighting rods where survey was not done by Eskom; | Rate |  |  |  |  | - |
| <b>TOTAL : Carried forward to summary</b> |   |      |  |  |  |  | - |
|   |   |      |  |  |  |  |   |

| BILL NO 5 - LV OVERHEAD DISTRIBUTION LINES |   |                  |      |                 |             |              |                 |
|--|---|------------------|------|-----------------|-------------|--------------|-----------------|
| PWBS                                       |   | ENQUIRY NO:      |      |                 |             |              |                 |
| Item                                       | Description   | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
| Note                                       | <b>LV ABC</b><br>The LV insulated aerial bundle conductor system shall be in accordance with SABS 1418 and insulated in accordance with SABS 0198 and the Distribution Standard Part 3. |                  |      |                 |             |              |                 |

|                      |   |   |  |  |  |   |
|----------------------|---|---|--|--|--|---|
| Note                 | <p>The unit rate per meter shall include the tensioning and stringing of the bundle in accordance with the sag and stress tables provided by the manufacturer with all plant, equipment and accessories required to erect an LV overhead bundled distribution line i.e. Drum trailer, winch, wind-off pulleys, pulling rope/cable with connection, dynamometer, slide-lock, sheathed synthetic-fibre belt, woven snatch belt, snatch block, tackle, shackle, etc.</p> |   |  |  |  |   |
| Note                 | <p>Measured lengths for stringing shall be net line route lengths and unit rates shall include for sag, off-cuts, etc.</p> <p>Contractor to, safely store and transport to site and string. The conductor will be delivered on sealed drums and adequate allowance shall be made for the correct handling thereof.</p>  |   |  |  |  |   |
| 5.1                  | <p>Single phase ABC (35mm<sup>2</sup> insulated)</p>  | m |  |  |  | - |
| 5.2                  | <p>Dual phase ABC (35mm<sup>2</sup> insulated)</p>  | m |  |  |  | - |
| 5.3                  | <p>Three phase ABC (35mm<sup>2</sup> insulated)</p>   | m |  |  |  | - |
|                      | <p>Three phase ABC (70mm<sup>2</sup> insulated)</p>   | m |  |  |  | - |
| <b>LV STRUCTURES</b> |   |   |  |  |  |   |
|                      | <p>Allow for the assembly of the following LV strain and suspension assemblies in accordance with the specifications shown in the drawings. Including all earthing, drilling of holes and treating of drilled holes. All LV ABC hardware, line connectors, PVC cable ties, nuts, bolts, washers, lock washers shall be allowed for in the appropriate item below. Excluding the supply and planting of poles, stays and struts, which are measured elsewhere.</p>     |   |  |  |  |   |

|                                  |  |  |  |  |  |  |  |   |
|----------------------------------|--|--|--|--|--|--|--|---|
| Amount carried over to next page |  |  |  |  |  |  |  | - |
|----------------------------------|--|--|--|--|--|--|--|---|

| Item | Description   | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|------|---|------------------|------|-----------------|-------------|--------------|-----------------|
|      | Amount brought forward from previous page                           |                  |      |                 |             |              | -               |
|      | Supply and install all the materials as specified for the following |                  |      |                 |             |              |                 |
|      | <b>LV STRUCTURES SINGLE PHASE</b>                                   |                  |      |                 |             |              |                 |
| 5.4  | ABC Suspension Assembly 0-30  | DDT-1153         | No   |                 |             |              | -               |
| 5.5  | ABC Terminal Assembly   | DDT-1154         | No   |                 |             |              | -               |
| 5.6  | ABC Strain Assembly (0-60°)   | DDT-1155         | No   |                 |             |              | -               |
| 5.7  | ABC Strain Assembly (60-90°)  | DDT-1156         | No   |                 |             |              | -               |
| 5.8  | ABC T-off from Intermediate   | DDT-1157         | No   |                 |             |              | -               |
| 5.9  | ABC T-off from Strain   | DDT-1159         | No   |                 |             |              | -               |
|      | <b>LV STRUCTURES DUAL PHASE</b>                                     |                  |      |                 |             |              |                 |
| 5.10 | ABC Suspension Assembly 0-30  | DDT-1145         | No   |                 |             |              | -               |
| 5.11 | ABC Terminal Assembly   | DDT-1146         | No   |                 |             |              | -               |
| 5.12 | ABC Strain Assembly (0-60°)   | DDT-1147         | No   |                 |             |              | -               |
| 5.13 | ABC Strain Assembly (60-90°)  | DDT-1148         | No   |                 |             |              | -               |
| 5.14 | ABC T-off from Intermediate   | DDT-1149         | No   |                 |             |              | -               |



|                                  |                                  |           |    |  |  |  |  |   |
|----------------------------------|----------------------------------|-----------|----|--|--|--|--|---|
| 5.15                             | ABC T-off from Strain            | DDT-1151  | No |  |  |  |  | - |
| <b>LV STRUCTURES THREE PHASE</b> |                                  |           |    |  |  |  |  |   |
| 5.16                             | ABC Suspension Assembly 0-30     | D-DT-1100 | No |  |  |  |  | - |
| 5.17                             | ABC Terminal Assembly            | D-DT-1120 | No |  |  |  |  | - |
| 5.18                             | ABC Strain Assembly (0-60°)      | D-DT-1121 | No |  |  |  |  | - |
| 5.19                             | ABC Strain Assembly (60-90°)     | D-DT-1122 | No |  |  |  |  | - |
| 5.20                             | ABC T-off from Intermediate      | D-DT-1140 | No |  |  |  |  | - |
| 5.21                             | ABC T-off from Strain            | D-DT-1142 | No |  |  |  |  | - |
|                                  | Amount carried over to next page |           |    |  |  |  |  | - |

| Item | Description  | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|------|--|------------------|------|-----------------|-------------|--------------|-----------------|
|      | Amount brought forward from previous page  |                  |      |                 |             |              | -               |
|      | <b>LV Fuse Switch Units</b><br>Supply, deliver to site, off load on site and safely store. The fused switch shall be supplied complete with the pole mounting bracket, nuts, bolts, washers, etc. for securing the unit to the wooden pole. The fuses shall be supplied with the fuse switch unit. Fuse ratings shall be as shown on the drawings. Install the on load fused disconnecting switch on the transformer structure including the drilling of holes as required, including the termination of the LV ABC to the unit. |                  |      |                 |             |              |                 |
| 5.22 | 63A Load disconnecting switch similar to MORSDORPHER 63A   |                  | No   |                 |             |              | -               |

|      |   |  |    |  |  |  |   |
|------|---|--|----|--|--|--|---|
| 5.23 | 160A Load disconnecting switch with MORSDORPHER 125A fuse |  | No |  |  |  | - |
|      | Amount carried over to next page                          |  |    |  |  |  | - |

| Item | Description   | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|------|---|------------------|------|-----------------|-------------|--------------|-----------------|
|      | Amount brought forward from previous page   |                  |      |                 |             |              | -               |
|      | <b>LV Pole Mounted Service Boxes</b>  |                  |      |                 |             |              |                 |
|      | Supply and install on a wooden and/or concrete pole a pole mounted distribution box as specified complete with pole mounting brackets, cable ties, PG clamps, miniature circuit breaker(s), neutral, phase and earth bars, insulated copper tails for connecting to LV ABC, insulation piercing connectors and factory installed cable openings. Included shall be the stainless steel strapping and buckles and terminations of the tails onto the LV ABC. |                  |      |                 |             |              |                 |
| 5.24 | 2 - 4 York type box, complete with insulated copper tails, insulation piercing connectors and nylon compression glands.   | DDT-3055         | No   |                 |             |              | -               |
| 5.25 | 4 - 8 York type box, complete with insulated copper tails, insulation piercing connectors and nylon compression glands.   | DDT-3055         | No   |                 |             |              | -               |
|      | <b>Earthing of LV Network</b>   |                  |      |                 |             |              |                 |
| Note | All MV transformer earthing is measured elsewhere and all LV earths per structure are measured with the structure. This section is intended for LV earths at transformers   |                  |      |                 |             |              |                 |

|   |  |          |    |  |  |  |   |
|---|--|----------|----|--|--|--|---|
| 5.26                                      | <p>Allowance shall be made for the testing of the earth resistance for the entire reticulation system in accordance with the TN-C-S earthing system as defined in the Distribution Standard Part 2 and any earth tests which may be required in terms of the standard and detailed specifications.</p> <p>LV Earth Testing</p> | DDT-0637 | No |  |  |  | - |
| 5.27                                      | <p>Allowance shall be made for the testing of each LV ABC distributor on accordance with the project specification. Included shall be the provision of test certificates and all documentation as required.</p> <p>LV Test</p>   |          | No |  |  |  | - |
| <b>TOTAL : Carried forward to summary</b> |  |          |    |  |  |  | - |

### BILL NO 6 - HOUSE CONNECTIONS

| PWBS |  | ENQUIRY NO:      |      |                 |             |              |                 |
|------|--|------------------|------|-----------------|-------------|--------------|-----------------|
| Item | Description  | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
| 6.1  | <p><b>House Connections</b></p> <p>House Connections (Type B), test and commissioning complete including IC's, supply and install house labelling, completion of PCS file, sealing of meters and as built drawings on completion. Poles and excavation are measured elsewhere.</p> <p>Type B</p> <p><b>Conductor</b></p> | DDT 0361         | No   |                 |             |              | -               |

|                                  |  |          |    |  |  |  |  |   |
|----------------------------------|--|----------|----|--|--|--|--|---|
| Note                             | Measured lengths for stringing shall be net line route lengths and unit rates shall include for sag, cut-offs etc.   |          |    |  |  |  |  |   |
|                                  | Contractor to supply, safely store, transport to site and string. Installation includes all glands, lugs, shrouds, termination and connections as required.                |          |    |  |  |  |  |   |
| Note                             | (Assumed 45.00m per connection)  |          |    |  |  |  |  |   |
| 6.2                              | CABLE 1KV 2C 4mm SQ CONCENTRIC CU  |          | m  |  |  |  |  | - |
| 6.3                              | CABLE 1KV 2C 10mm SQ CONCENTRIC CU   |          | m  |  |  |  |  | - |
| <b>Sundry Items</b>              |  |          |    |  |  |  |  |   |
|                                  | <b>Supply and install pole in excavated hole, including cutting and scafing, kicking bolts, bonding, treating, etc. Excavations and compaction are measured elsewhere.</b> |          |    |  |  |  |  |   |
| 6.4                              | 5m Pole, 80-99mm top diameter  | DDT 0058 | No |  |  |  |  | - |
| 6.5                              | 7m Pole, 120-139mm top diameter  | DDT 0050 | No |  |  |  |  | - |
| Amount carried over to next page |  |          |    |  |  |  |  | - |

| Item | Description                               | Detail Reference | Unit | Tender Quantity | Supply Rate | Install Rate | Total Price (R) |
|------|---|------------------|------|-----------------|-------------|--------------|-----------------|
|      | Amount brought forward from previous page |                  |      |                 |             |              | -               |
|      |   |                  |      |                 |             |              |                 |

|   |  |    |  |  |  |   |
|---|--|----|--|--|--|---|
|   | Determination of pole positions, excavate, and supply a mechanical boring device if required. The rate shall include backfilling, compaction to 93% MOD AASHTO density, and where necessary the supply and transportation of suitable ground as may be required to receive the desired compaction, except where cement is specified. Any damage to existing services shall be made good by the Contractor at his own expense and to the approval or the PM(C). |    |  |  |  |   |
| 6.6                                       | Hole for 5m service pole - 1m deep   | No |  |  |  | - |
| 6.7                                       | Hole for 7m service pole - 1.4m deep   | No |  |  |  | - |
| <b>Meters and readyboards</b>             |  |    |  |  |  |   |
| 6.8                                       | METER,STD ECU KEYPAD 20A   | No |  |  |  | - |
| 6.9                                       | PASSIVE BASE UNIT, ECU WITH RAIL   | No |  |  |  | - |
| <b>TOTAL : Carried forward to summary</b> |  |    |  |  |  | - |

| PWBS |   | ENQUIRY NO:      |      | DETAIL BOQ      |
|------|---|------------------|------|-----------------|
| Item | Description   | Detail Reference | Unit | Total Price (R) |
| 1    | PRELIMINARY AND GENERAL                                       |                  |      |                 |
| 2    | MEDIUM VOLTAGE SWITCHGEAR, SECTIONALISERS, TRANSFORMERS, ETC. |                  |      |                 |
| 3    | MEDIUM VOLTAGE OVERHEAD DISTRIBUTION SYSTEM                   |                  |      |                 |
| 4    | SUPPORT FOR OVERHEAD RETICULATION                             |                  |      |                 |

|   |  |  |  |
|---|--|--|--|
| 5 | LOW VOLTAGE OVERHEAD<br>DISTRIBUTION LINES |  |  |
| 6 | HOUSE CONNECTIONS                          |  |  |
|   | <b><u>Sub Total(1)</u></b>                 |  |  |
|   | -  |  |  |
|   | <b><u>Contingency @ 10%</u></b>            |  |  |
|   | <b><u>Retention @ 10%</u></b>              |  |  |
|   | <b><u>Sub Total (2)</u></b>                |  |  |
|   | <b><u>Vat @ 15%</u></b>                    |  |  |
|   | <b><u>Grand Total</u></b>                  |  |  |

### DECLARATION OF INTEREST

MBD 4

1. No bid will be accepted from persons in the service of the state<sup>□</sup>.
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 favoritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in service of the state, it is required that the bidder or their authorized representative declare their position in relation to the evaluating/adjudicating authority and/or take an oath declaring his/her interest.

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

3.1 Full Name: .....

3.2 Identity Number: .....

3.3 Company Registration Number: .....

3.4 Tax Reference Number: .....

3.5 VAT Registration Number: .....

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

3.6.1 If so, furnish particulars.  
 .....  
 .....

3.6.2 Have you been in the service of the state for the past **YES / NO** twelve months?

If so, furnish particulars.  
 .....  
 .....

4.1 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**

MSCM Regulations: "in the service of the state" means to be –  
 3.7 a member of –  
 1. any municipal council;  
 2. any provincial legislature; or  
 3. the national Assembly or the national Council of provinces;

3.8 a member of the board of directors of any municipal entity;  
 3.9 an official of any municipality or municipal entity;  
 3.10 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);  
 3.11 a member of the accounting authority of any national or provincial public entity; or  
 3.12 an employee of Parliament or a provincial legislature.

3.8.1 If so, furnish particulars.

.....  
.....

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

**NO**

**YES /**

3.9.1 If so, furnish particulars

.....  
.....

3.10. Are any of the company's directors, managers, principal shareholders or stakeholders in service of the state? **YES / NO**

3.10.1 If so, furnish particulars.

.....  
.....

3.11. Are any spouse, child or parent of the company's directors, managers, principal shareholders or stakeholders in service of the state? **YES / NO**

3.11.1 If so, furnish particulars.

.....  
.....

**CERTIFICATION**

**I, THE UNDER SIGNED (NAME)** .....



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

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

.....  
Signature

.....  
Date

.....  
Position

.....  
Name of Bidder

MBD 6.1

**PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017 WAS AMENDED TO ALIGN WITH NEW B-BBEE CODES OF GOOD PRACTICE IN THE 2017 REGULATIONS PURCHASES**

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

**1. GENERAL CONDITIONS**

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

- the 80/20 system for requirements with a Rand value of up to R50 000 000; and
- the 90/10 system for requirements with a Rand value above R50 000 000.

1.2 The value of this bid is estimated to exceed/not exceed R50 000 000 and therefore the 80/20 system shall be applicable.

1.3 Preference points for this bid shall be awarded for:

- (a) Price; and
- (b) Specific contract participation goals, as specified in the attached forms.

1.3.1 The points for this bid are allocated as follows:

| 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                               |

1.4 Failure on the part of a bidder to fill in and/or to sign this form may be interpreted to mean that preference points are not claimed.

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

**2. GENERAL DEFINITIONS**

2.1 "Acceptable bid" means any bid which, in all respects, complies with the specifications and conditions of bid as set out in the bid document.

- 2.2 **“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 goods, works or services.
- 2.3 **“Comparative price”** means the price after the factors of a non-firm price and all unconditional discounts that can be utilised have been taken into consideration.
- 2.4 **“Consortium or joint venture”** means an association of persons for the purpose of combining their expertise, property, capital, efforts, skills and knowledge in an activity for the execution of a contract.
- 2.5 **“Contract”** means the agreement that results from the acceptance of a bid by an organ of state.
- 2.7 **“Control”** means the possession and exercise of legal authority and power to manage the assets, goodwill and daily operations of a business and the active and continuous exercise of appropriate managerial authority and power in determining the policies and directing the operations of the business.
- 2.11 **“Management”** means an activity inclusive of control and performed on a daily basis, by any person who is a principal executive officer of the company, by whatever name that person may be designated, and whether or not that person is a director.
- 2.12 **“Owned”** means having all the customary elements of ownership, including the right of decision-making and sharing all the risks and profits commensurate with the degree of ownership interests as demonstrated by an examination of the substance, rather than the form of ownership arrangements.
- 2.13 **“Person”** includes reference to a juristic person.
- 2.14 **“Rand value”** means the total estimated value of a contract in Rand denomination that is calculated at the time of bid invitations and includes all applicable taxes and excise duties.
- 2.15 **“Small, Medium and Micro Enterprises (SMMEs)”** bears the same meaning assigned to this expression in the National Small Business Act, 1996 (No 102 of 1996).
- 2.16 **“Sub-contracting”** means the primary contractor’s assigning or leasing or making out work to, or employing another person to support such primary contractor in the execution of part of a project in terms of the contract.
- 2.17 **“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.
- 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 points will be awarded the contract.
- 3.2 Preference points shall be calculated after prices have been brought to a comparative basis.
- 3.3 Points scored will be rounded off to 2 decimal places.
- 3.4 In the event of equal points scored, the bid will be awarded to the bidder scoring the highest number of points for specified goals.

**4. POINTS AWARDED FOR PRICE**

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

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

**80/20 or 90/10**

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

Where

$P_s$  = Points scored for price of bid under consideration

$P_t$  = Rand value of bid under consideration

$P_{\min}$  = Rand value of lowest acceptable bid

6.2 Equity claims for a trust will only be allowed in respect of those persons who are both trustees and beneficiaries and who are actively involved in the management of the trust.

6.3 Documentation to substantiate the validity of the credentials of the trustees contemplated above must be submitted.

6.4 Listed companies and tertiary institutions do not qualify for HDI preference points.

6.5 A consortium or joint venture may, based on the percentage of the contract value managed or executed by each entity, to be entitled to preference points in respect of BEE.

6.6 A person awarded a contract as a result of preference for contracting with, may not subcontract more than 25% of the value of the contract to a person who is not an BEE compliant or does not qualify for the same number or more preference for BEE.

**7. BID DECLARATION**

7.1 Bidders who claim points in respect of BEE must complete the Bid Declaration at the end of this form.

**8. DESCRIBE PRINCIPAL BUSINESS ACTIVITIES**

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**9. COMPANY CLASSIFICATION**

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

[TICK APPLICABLE BOX]

**10. MUNICIPAL INFORMATION  
(DISCTRICT MUNICIPALITY ACCOUNT) \*WATER AND SANITATION ACCOUNT**

District Municipality where business is situated: .....

Registered Account No: .....

Stand No: .....

**(LOCAL MUNICIPALITY ACCOUNT) \*RATES, REFUSE, ELECTRICTY ACCOUNTS**

Local Municipality where business is situated: .....

Registered Account No: .....

Stand No: .....

11 TOTAL NUMBER OF YEARS THE FIRM HAS BEEN IN BUSINESS? .....

12 Consortium / Joint Venture

12.1 In the event that preference points are claimed for BEE members by consortia / joint ventures, the following information must be furnished in order to be entitled to the points claimed in respect of the HDI member:

| Name of joint venture or consortium partner (to be consistent with paragraph 9.8) | Percentage (%) of the contract value managed or executed by the Joint Venture or Consortium partner |
|---|---|
|   |   |
|   |   |
|   |   |
|   |   |
|   |   |
|   |   |
|   |   |

12.2 I/we, the undersigned, who warrants that he/she is duly authorised to do so on behalf of the firm certify that points claimed, based on the BEE status, indicated in paragraph 8 of the foregoing certificate, qualifies the firm for the preference(s) shown and I / we acknowledge that:

- (i) The information furnished is true and correct.
- (ii) The BEE status claimed is 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 8, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct.
- (iv) If the claims are found to be incorrect, the purchaser may, in addition to any other remedy it may have -
  - (a) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct; and

- (b) 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;

**WITNESSES:**

- 1. ....
- 2. ....

.....  
Signature(s) of bidders

## DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

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, 2011 and 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, 2011 (Regulation 9) makes provision for the promotion of local production and content.
- 1.2. Regulation 9(1) prescribes that in the case of designated sectors, where in the award of bids local production and content is of critical importance, such bids must be advertised with the specific bidding condition that only locally produced goods, services or works or locally manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for bids 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

18.is the imported content in Rand

19.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 the South African Reserve Bank (SARB) at 12:00 on the date of advertisement of the bid as required 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_development/ip.jsp) at no cost.**

1.6. A bid may be disqualified if –

1. this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation; and
2. the bidder fails to declare that the Local Content Declaration Templates (Annex C, D and E) have been audited and certified as correct.

• **Definitions**

- 2.1. **“bid”** includes written price quotations, advertised competitive bids or proposals;
  - 2.2. **“bid price”** price offered by the bidder, excluding value added tax (VAT);
  - 2.3. **“contract”** means the agreement that results from the acceptance of a bid by an organ of state;
  - 2.4. **“designated sector”** means a sector, sub-sector or industry that has been designated by the Department of Trade and Industry in line with national development and industrial policies for local production, where only locally produced services, works or goods or locally manufactured goods meet the stipulated minimum threshold for local production and content;
  - 2.5. **“duly sign”** means a Declaration Certificate for Local Content that has been signed by the 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).
  - 2.6. **“imported content”** means that portion of the bid price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or its subcontractors) and which costs are inclusive of the costs abroad (this includes labour and intellectual property costs), plus freight and other direct importation costs, such as landing costs, dock duties, import duty, sales duty or other similar tax or duty at the South African port of entry;
  - 2.7. **“local content”** means that portion of the bid price which is not included in the imported content, provided that local manufacture does take place;
  - 2.8. **“stipulated minimum threshold”** means that portion of local production and content as determined by the Department of Trade and Industry; and
  - 2.9. **“sub-contract”** means the primary contractor’s assigning, leasing, making out work to, or employing another person to support such primary contractor in the execution of part of a project in terms of the contract.
- ii) **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:**



| Industry/sector/sub-sector                               | Minimum threshold for local content |
|--|-------------------------------------|
| Electrical Cabling (LV, MV and HV)                       | 90%                                 |
| Transformers (16Kva, 32Kva, 50Kva, 64Kva and 100Kva)22kv | 10 -100%                            |
| Electrical Meters  | 70%                                 |
| DC Combiner Boxes  | 65%                                 |
| Set top Box Set  | 30%                                 |
| Mounting Steel Bracket                                   | 100%                                |
| Fuse & fuse holders                                      | 100%                                |
| Bird divert  | 100%                                |
| Struck bracket   | 100%                                |
| Low cost reticulation                                    | 90%                                 |
| Power Pylons & Substation structure                      | 100%                                |
| Stay Wire  | 100%                                |
| <b>Steel Value added Product</b>                         |                                     |
| • Sheets and plates                                      | 100%                                |
| • Wire product   | 100%                                |

1. Does any portion of the services, works or goods offered have any imported content?

(Tick applicable box)

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

- 4.1 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 the 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](http://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.

- Were the Local Content Declaration Templates (Annex C, D and E) audited and certified as correct?

(Tick applicable box)

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

- 5.1. If yes, provide the following particulars:

12. Full name of auditor: .....
13. Practice number:.....
14. Telephone and cell number: .....
15. Email address:.....

(Documentary proof regarding the declaration will, when required, be submitted to the satisfaction of the Accounting Officer / Accounting Authority)

- 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 Accounting Officer / Accounting Authority 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 Municipality / Municipal Entity):  
.....

NB

- 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.
- Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on <http://www.thedti.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:

- The facts contained herein are within my own personal knowledge.
- I have satisfied myself that

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  
the declaration templates have been audited and certified to be correct.

(c)The local content percentages (%) 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.**

7. I accept that the Procurement Authority / Municipality /Municipal Entity has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.

8. 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 / Municipal / Municipal Entity imposing any or all of the remedies as provided for in Regulation 13 of the Preferential Procurement Regulations, 2011 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

**SIGNATURE:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**WITNESS No. 1** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**WITNESS No. 2** \_\_\_\_\_

**DATE:** \_\_\_\_\_

INITIAL.....  
NAME.....

CONTRACT FORM - RENDERING OF SERVICES

MBD 7.2

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)

6. I hereby undertake to render services described in the attached bidding documents to (name of the institution)..... in accordance with the requirements and task directives / proposals specifications stipulated in Bid Number..... 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.

7. The following documents shall be deemed to form and be read and construed as part of this agreement:

- 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 2011;
- Declaration of interest;
- Declaration of Bidder's past SCM practices;
- Certificate of Independent Bid Determination;
- Special Conditions of Contract;
- General Conditions of Contract; and
- Other (specify)

8. 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.

9. 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.

10. I declare that I have no participation in any collusive practices with any bidder or any other person regarding this or any other bid.

11. I confirm that I am duly authorised to sign this contract.

NAME (PRINT) .....

CAPACITY .....

SIGNATURE .....

NAME OF FIRM .....

DATE .....

WITNESSES

.....

.....

DATE:.....

INITIAL.....  
NAME.....

**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 ..... dated..... for 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) |
|------------------------|---------------------------------------|-----------------|-------------------------------------|--|
|                        |                                       |                 |                                     |  |

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

SIGNED AT ..... ON .....

NAME (PRINT) .....

SIGNATURE .....

OFFICIAL STAMP

**WITNESSES**

.....  
 .....

INITIAL.....  
 NAME.....

## DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

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

| Item  | Question   | Yes                             | No                             |
|-------|--|---------------------------------|--------------------------------|
| 4.1   | <p>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?</p> <p>(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).</p> <p><b>The Database of Restricted Suppliers now resides on the National Treasury's website(<a href="http://www.treasury.gov.za">www.treasury.gov.za</a>) and can be accessed by clicking on its link at the bottom of the home page.</b></p> | Yes<br><input type="checkbox"/> | No<br><input type="checkbox"/> |
| 4.1.1 | If so, furnish particulars:  |                                 |                                |
| 4.2   | <p>Is the bidder or any of its directors listed on the Register for bid Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)?</p> <p><b>The Register for bid Defaulters can be accessed on the National Treasury's website (<a href="http://www.treasury.gov.za">www.treasury.gov.za</a>) by clicking on its link at the bottom of the home page.</b></p>   | Yes<br><input type="checkbox"/> | No<br><input type="checkbox"/> |

INITIAL.....  
 NAME.....

|             |  |                                 |                                |
|-------------|--|---------------------------------|--------------------------------|
| 4.2.1       | If so, furnish particulars:  |                                 |                                |
| 4.3         | Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?   | Yes<br><input type="checkbox"/> | No<br><input type="checkbox"/> |
| 4.3.1       | If so, furnish particulars:  |                                 |                                |
| <b>Item</b> | <b>Question</b>  | <b>Yes</b>                      | <b>No</b>                      |
| 4.4         | 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<br><input type="checkbox"/> | No<br><input type="checkbox"/> |
| 4.4.1       | If so, furnish particulars:  |                                 |                                |
| 4.5         | Was any contract between the bidder and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?                         | Yes<br><input type="checkbox"/> | No<br><input type="checkbox"/> |
| 4.7.1       | If so, furnish particulars:  |                                 |                                |

**CERTIFICATION**

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

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

.....  
**Signature**

.....  
**Date**

.....  
**Position**

.....  
**Name of Bidder**

INITIAL.....  
 NAME.....

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COMPANY



## CERTIFICATE OF INDEPENDENT BID DETERMINATION

MBD 9

- 1 This Municipal Bidding Document (MBD) must form part of all bids<sup>1</sup> invited.
- 2 Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).<sup>2</sup> Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.
- 3 Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:
  - a. take all reasonable steps to prevent such abuse;
  - b. reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
  - c. cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.
- 7.1 This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
- 7.2 In order to give effect to the above, the attached Certificate of Bid Determination (MBD 9) must be completed and submitted with the bid:

<sup>1</sup> Includes price quotations, advertised competitive bids, limited bids and proposals.

<sup>2</sup> 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.

INITIAL..... 121 COMPANY  
NAME.....

**CERTIFICATE OF INDEPENDENT BID DETERMINATION**

I, the undersigned, in submitting the accompanying bid:

\_\_\_\_\_
(Bid Number and Description)

in response to the invitation for the bid made by:

\_\_\_\_\_
(Name of Municipality / Municipal Entity)

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

I certify, on behalf

of: \_\_\_\_\_ that:
(Name of Bidder)

- 1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign, the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
(a) has been requested to submit a bid in response to this bid invitation;
(b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
(c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder
6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor.

INITIAL..... 122 COMPANY
NAME.....

However communication between partners in a joint venture or consortium<sup>3</sup> will not be construed as collusive bidding.

7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
- prices; geographical area where product or service will be rendered (market allocation)
  - (a) methods, factors or formulas used to calculate prices;
  - (b) the intention or decision to submit or not to submit, a bid;
  - (c) the submission of a bid which does not meet the specifications and conditions of the bid; or
  - (d) bidding with the intention not to win the bid.
8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
10. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

.....  
Signature

.....  
Date

.....  
Position

.....  
Name of Bidder

INITIAL.....  
NAME.....

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COMPANY

**PARTICULARS OF BIDDER**

**THE FOLLOWING PARTICULARS MUST BE FURNISHED  
(FAILURE TO DO SO MAY RESULT IN YOUR BID BEING DISQUALIFIED)**

Name of Bidder: \_\_\_\_\_

Postal Address \_\_\_\_\_

Street Address \_\_\_\_\_

Telephone Number Code \_\_\_\_\_ Number \_\_\_\_\_

Cellphone Number \_\_\_\_\_

Facsimile Number Code \_\_\_\_\_ Number \_\_\_\_\_

Contact Person \_\_\_\_\_

Company / Enterprise Income Tax  
Reference Number: \_\_\_\_\_

Has an original Tax Clearance Certificate been attached (MBD2) **YES / NO**

Vat Registration  
Number \_\_\_\_\_

Company Registration No \_\_\_\_\_

Is the Firm registered or does it have a Business Licence(s): (Tick one box)

YES  NO

If YES, give details and quote relevant Reference numbers and dates

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Are you the accredited Representative in South Africa for the  
Goods / services offered by you?

YES/NO (If YES enclose proof)

INITIAL..... 124 COMPANY  
NAME.....

**AN ORIGINAL TAX CLEARANCE CERTIFICATE OR TAX PIN MUST BE ATTACHED TO YOUR BID.**

The undersigned, who warrants that he/she is duly authorised to do so on behalf of the firm, affirms that the information furnished is true and correct.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Duly authorized to sign on behalf of: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Telephone Number: \_\_\_\_\_

INITIAL.....  
NAME.....

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COMPANY

### ENQUIRY CONTACT DETAILS

**ANY ENQUIRIES REGARDING THE BIDDING PROCEDURE MAY BE DIRECTED TO:**

MUNICIPALITY: DR. NKOSAZANA DLAMINI ZUMA MUNICIPALITY  
DEPARTMENT: FINANCE: SCM  
CONTACT PERSON: **MRS. N.** Holiwe  
TEL: 039 833 1038  
FAX: 039 833 1179  
Email : holiwen@ndz.gov.za

**ANY ENQUIRIES REGARDING TECHNICAL INFORMATION MAY BE DIRECTED TO:**

DEPARTMENT: PUBLIC WORKS AND BASIC SERVICES DEPARTMENT  
CONTACT PERSON: MR. SV Mngadi  
TEL: 039 833 1038  
FAX: 039 833 1179  
Email : Mngadis@ndz.gov.za

**DR. NKOSAZANA DLAMINI ZUMA MUNICIPALITY**

**PUBLIC WORKS AND BASIC SERVICES DEPARTMENT**

**CONTRACT NO. PWBS-:B001/21/22**

**APPOINTMENT OF A PANEL OF 4 (FOUR) ELECTRICAL  
SERVICE PROVIDER TO DESIGN AND IMPLEMENT  
ELECTRIFICATION PROJECTS FOR A PERIOD OF 3 YEARS  
IN PHASES USING TURNKEY STRATEGY**

INITIAL.....  
NAME.....

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**DR. NKOSAZANA DLAMINI ZUMA MUNICIPALITY  
PUBLIC WORKS AND BASIC SERVICES DEPARTMENT  
CONTRACT NO. PWBS-:B001/21/22 APPOINTMENT OF PANEL OF 4 ELECTRICAL  
SERVICE PROVIDER TO IMPLEMENT ELECTRICAL PROJECTS USING TURN-KEY  
STRATEGY**

**CONSULTING FEES**

A detailed cost breakdown must be attached to the document and the total tender amount must be written in the cover page of the document.

The fees and disbursements shall be based on the Gazetted ECSA GUIDELINES 04 December 2015, the total project construction cost to cover both the Basic fees and disbursements. Bidders are welcome to offer discount as desired and that may be an added advantage towards the bidder during the evaluation process.

Bidders are required to qualify their rates by attaching a separate breakdown of costs spread sheet.

However, in terms of the above (specifically related to additional services), please note the following amendments and/or additions:

1. The implanting agent shall be required to prepare regular monthly reports during the above noted stages of the Normal Services. This reporting will be deemed part of the Normal Services and no additional costs shall be applicable.
2. Process leading to the appointment of the contractor shall not be deemed Additional Services, but shall be deemed to form part of the Normal Services under this agreement. No additional costs will thus be chargeable for this service.
3. In terms of any additional service, the Consultant shall request prior approval in writing from the Dr Nkosazana Dlamini Zuma Municipality before commencing with such additional services, failing which the Dr Nkosazana Dlamini Zuma Municipality will not be liable for any payment of unauthorised additional services.
4. Category factors will not be applicable (shall be deemed to be 1.0).
5. Consultants in their pricing shall be required to produce a minimum of 40 documents per project prior the inspection and anything above that will be claimable under disbursement.
6. Consultants will be required to inspect work quality and conformity to the contract documentation, and shall have a full time representative on site.
7. Bidders are required to qualify their rates by attaching a separate breakdown of costs spread sheet per project.

INITIAL.....  
NAME.....

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**NB: SERVICE PROVIDER ARE REQUIRED TO POPULATE THE FEES ABOVE THAT WILL BE CHARGED ON THE PROJECT- SERVICE PROVIDER ARE TO ATTACH THEIR WORKING DOCUMENT TO SUPPORT THEIR PRICING**

The SP is to submit quotation and supporting documentation noting the following:

- The SP is to provide a pricing proposal clearly indicating a percentage (%) offer for Front-End and Back-End appointments which will be inclusive of the (one) external service – Surveyor.
  - The SP must ascertain that their offer includes Pre-marketing, Survey, detail Designs, final marketing and re-establishing of pegs prior to construction.
- All disbursements – travelling, printing and plotting costs to be indicated and included in the total percentage offer.
- The SP is to indicate rate per connection for pre-marketing and Detailed Marketing, including site establishment if any

**Note: The percentage offer is based on the Construction Value. The percentage offer must be inclusive of VAT. The SP is to indicate how the total percentage offer is summed.**

**1. Additional services will be executed upon approval of the municipality and the consultant will be required to obtain three quotations.**

INITIAL.....  
NAME.....

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COMPANY

**TERMS AND CONDITIONS RELATING TO THE APPOINTMENT OF CONSULTING ENGINEERS**

**(ELECTRICAL, ELECTRICAL, STRUCTURAL AND MECHANICAL)**

**1. GENERAL CONDITIONS OF APPOINTMENT:**

The general conditions of appointment shall be the standard terms and conditions contained in the main body of the Agreement to which this Annexure is appended.

**2. SERVICES TO BE RENDERED:**

The services to be rendered shall be the services as described in the latest applicable edition of the Guideline Scope of Services and Tariff of Fees for Persons Registered in terms of the Engineering Professions Act, 2000, Act No 46 of 2000, as published in the Government Gazette:

- o Preliminary Design Stage
- o Design and Tender Stage
- o Working Drawings
- o Construction Stage
- o Completion of Services

**3. REMUNERATION OF CONSULTING ENGINEER:**

**Engineering Fees**

Percentage Basis Fees

Percentage Basis Fees shall be in accordance with the latest applicable version of the Guideline Scope of Services and Tariff of Fees for Persons Registered in terms of the Engineering Professions Act, 2000, Act No 46 of 2000, as published by the ECSA (Engineering Council of South Africa).

Time Basis Fees:

Time Basis fees shall be in accordance with table 7 of the latest applicable indicative time based fee rates published by the ECSA.

**Reimbursable Expenses**

General Expenses:

General expenses reasonably incurred by the Consulting Engineer shall be reimbursed in accordance with Tables 1 and 2 of the latest relevant version of the "Rates for Reimbursable Expenses" as published by the National Department of Public Works.

Services rendered by outside suppliers shall be claimed as per the invoice rendered by the supplier and shall be subject to a 10% surcharge.

Traveling Expenses – Kilometre:

The office of appointment shall be the registered offices of the consultant. Only traveling between the said office and the project site, shall be claimable on a kilometer basis in accordance with Table 3 of the relevant latest version of the “Rates for Reimbursable Expenses” as published by the National Department of Public Works.

Traveling Expenses – Time

Fees will be payable for traveling time at the full hourly tariff.

Subsistence Allowance:

Subsistence allowances will be reimbursed in accordance with Table 4 of the relevant latest version of the “Rates for Reimbursable Expenses” as published by the National Department of Public Works.

Construction Monitoring Staff:

The Dr Nkosazana Dlamini Zuma Municipality shall approve all staff prior to making any payments in respect of site staff. Approved site staff shall be reimbursed in accordance with Guideline Scope of Services and Tariff of Fees for Persons Registered in terms of the Engineering Professions Act, 2000, Act No 46 of 2000, Clause 2.2.2 (d) for level 2 supervision.

**4. PROGRESS PAYMENTS:**

The progress payments on time and percentage basis fees will be claimable in accordance with the following:

Preliminary Design Stage:

Payment shall be made to the Consulting Engineer on a time and cost basis up to a maximum of **20%** of the total approved percentage based fee.

The fees for this stage shall be claimable once the Business Plan and Technical Report have been approved by the Dr Nkosazana Dlamini Zuma Municipality Project Manager, Funding Agent and the Consulting Engineer had submitted his progress report.

Detailed Design and Tender Stage:

The Consulting Engineer shall be entitled to **20%** of the total approved percentage based fee.

The fees for this stage shall be claimable once the Consulting Engineer has submitted a detailed project design (report with detailed drawings) and a draft

tender document to the Dr Nkosazana Dlamini Zuma Municipality and has submitted his progress reports, and on approval of the design report and draft tender document by the Dr Nkosazana Dlamini Zuma Municipality.

Working Drawings:

The Consulting Engineer shall be entitled to a further **10%** of the total approved percentage based fee.

The fees for this stage shall be claimable once the Consulting Engineer has submitted working drawings to the Contractor and had submitted his progress report, and only once the Dr Nkosazana Dlamini Zuma Municipality is satisfied that the working drawings are available.

Construction Stage:

The Consulting Engineer shall be entitled to an additional **35%** of the total approved percentage based fee.

Progress payments shall be made on a pro-rata basis, based on the actual construction cost according to the progress made with the project and provided that the Consulting Engineer's fee shall not exceed **85%** of the total approved percentage fee for the project, and provided that the Consulting Engineer submits monthly progress reports as required by the Dr Nkosazana Dlamini Zuma Municipality.

Commissioning Stage:

The Consulting Engineer shall be entitled to the remaining **15%** of the to the fee budget, based on the actual construction cost.

The fees for this stage shall be claimable once the Consulting Engineer has submitted to the Dr Nkosazana Dlamini Zuma Municipality, the record drawings and manuals for the project, as well as completion certificates, and once the Dr Nkosazana Dlamini Zuma Municipality has approved the record drawings and manuals for the project.

**5. REPORTING:**

The standard monthly and other progress reports, as required by the Funding Agent, will be deemed part of the normal scope of work. The Dr Nkosazana Dlamini Zuma Municipality may also require Consulting Engineers to attend progress meetings from time to time, which shall also be deemed to be part of the normal scope of the work. All items deemed part of the normal scope of the work shall be deemed covered in the percentage basis fees

**6. TARGETTED PROCUREMENT REQUIREMENTS:**

The targeted Procurement Policies and documents issued by National Treasury shall be applicable, and shall be implemented in accordance with the relevant Acts of Parliament.

The Consulting Engineer shall ensure that the Tender Documents and Tender Adjudication process is overseen and approved by the Dr Nkosazana Dlamini Zuma Municipality.

Targeted procurement goals in respect of affirmable business enterprises, local materials and local labour will be as stated in the project Business Plan, as approved by the Dr Nkosazana Dlamini Zuma Municipality and the Funding Agent.

**7. DESIGN AND CONSTRUCTION STANDARDS:**

The Consulting Engineer shall ensure that the necessary skill and diligence is applied when designing the proposed infrastructure and to ensure that the construction standards are achieved during the implementation of the project.

The design criteria shall be in accordance with the "Guidelines for Engineering Services and Amenities" as published by the CSIR, Division of Building Technology, or where the said standards are not applicable or where otherwise indicated by the Dr Nkosazana Dlamini Zuma Municipality, the standards as prescribed by the Dr Nkosazana Dlamini Zuma Municipality shall be used. For water and sanitation services, the design criteria as published by the Department of Water Affairs shall be applicable. The design standards shall be in accordance with SABS 1200 specifications, unless otherwise instructed by the Dr Nkosazana Dlamini Zuma Municipality. The minimum standards and criteria shall be that specified by the Department of Housing and Local Government.

All contracts shall be implemented making use of the latest applicable version of the "General Conditions of Contract for Works of Electrical Engineering Construction" as jointly issued by the Federation of Electrical Engineering Contractors, the South African Institution of Electrical Engineers and the South African Association of Consulting Engineers, unless otherwise instructed by the Dr Nkosazana Dlamini Zuma Municipality.

All measures shall be done in accordance with the "Standard system of measurement of Electrical Engineering Quantities for South Africa", unless otherwise instructed by the Dr Nkosazana Dlamini Zuma Municipality.

INITIAL.....  
NAME.....

**I/WE ACCEPT THE CONDITIONS OF THE TERMS OF REFERENCE AS SET OUT ABOVE BY THE MUNICIPALITY AND CONFIRM THAT WE/I HAVE READ AND UNDERSTOOD THEM.**

.....  
**Signature**

.....  
**Date**

.....  
**Position**

.....  
**Name of Bidder**

INITIAL.....  
NAME.....

**FOR OFFICE USE**

**This is to certify that I have read and checked this document and it is in line with National and Provincial Treasury Requirements/Regulations.**

**Prepared by**

CHAIRPERSON OF BSC: *Zk. Nlamini*

SIGNATURE: *[Handwritten Signature]*

DATE: .....

MANAGER SCM: .....

SIGNATURE: .....

DATE: .....

INITIAL.....  
NAME.....