



STEVE TSHWETE LOCAL MUNICIPALITY

Our ref. Quote 14/05/10
(Taljaard/pj)
0000E. 415B

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04 May 2010

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To whom it may concern:

QUOTE :Q 14 /05/2010 DOORKOP HOUSE CONNECTIONS

You are invited to provide a quotation for the installation of Approximately 20 new house connections and moving 50 meters from shacks to new RDP houses, prepaid meter bases and ready boards as specified in the project specifications.

Council is not bound to accept the lowest, a part of or any quotation. Quantities is not fixed will vary and be changed according to actual site conditions numbers of connections will not be less than 10 with a maximum of 70.

Documents are available at the Municipal Offices at the Electrical drawing office room A217 or at Pieter Taljaard room A211.

All contractors & suppliers must be registered on the database of council.

Quotations must be submitted to the Municipal Tender Box, on the 2nd floor, room C 305, in a sealed envelope clearly marked Quote Q 14/05/2010 by no later than **12:00 on 19 May 2010.**

Yours faithfully

R. GRUNIG
TOWN ELECTRICAL ENGINEER

TENDER: INFORMATION OF TENDERER

Name of Tenderer & Street Address	Indicate the nature of enterprise eg one man business, partnership, close corporation & company	Details of Directors/Members/Owners						
		Name	ID Number	Male/ Female	Residential Address	Tel No	% shares	Disabled Y/N
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HOUSE CONNECTIONS QUOTATION Q /04/2010

CLOSING DATE 19 May 2010, 12:00, MUNICIPAL OFFICES

The following information is required:

Contractor: _____

Contact number: _____

Contract amount (vat included) _____

Mark up on Equipment not specified in Bill (%) _____

PROJECT SPECIFICATION

SCOPE

The project deals with new house connections and moving of existing meters to approximately 80 new RDP houses. Quantities is not fixed will vary and be changed according to actual site conditions. Numbers of connections will not be less than 10 with a maximum of 80.

This includes the supply and installation of overhead house connections including installation pre-payment meter base & ready board. No second hand or reconditioned equipment will be accepted. The quantities are not fixed and will vary.

COC's must be issued for all new house connections.

Access to the houses is not always available as the residents may be at work during week day's weeks. Therefore provision must be made to visit premises after hours and over weekends.

In the case of any apparent contradiction, the project specification will take precedence over the particular and standardised specifications in the respective order.

DESCRIPTION OF THE WORKS

This project consist of the supply, delivery, installation and commissioning of the electrical network to NRS and SANS specifications which consists of the following:

- a. The supply and installation of overhead house connections.
- b. The supply and installation of pre-payment energy meter bases and ready boards.
- c. The provision of Certificates of Compliance.

NATURE OF GROUND AND SUBSOIL CONDITIONS

No test holes were dug to determine the subsoil conditions. The tenderer must familiarize himself with the ground and subsoil conditions.

DETAILS OF CONTRACT

4.1 Energy Meters

Pre-payment meters bases detailed in the Bill of Quantities, to Middelburg specification will be installed as part of this contract. The Municipality will provide and install the Pre-payment meters on receiving the COC's.

Where existing connections are moved it may be necessary to open the meter and then it will have to be given through to council to reseal.

4.2 Ready Boards

Ready boards as detailed in the Bill of Quantities will be installed as part of this contract complete with Bulkhead light fitting equipped with **energy saver** lamp minimum 14Watt.

4.3 Consumer Connections

Consumer connections shall be done using 10mm² Airdac cables installed overhead between the pole-mounted kiosk, and the house wall.

The pre-payment meter (base included) and ready board must be connected using a male to male adapter, and must be mounted on a secure painted steel frame.

(Attached drawing). All material and labour to complete the installation must be supplied by the contractor.

CONSTRUCTION PROGRAMME

A programme for the completion of the works must be provided to the Engineer.

EXISTING SERVICES

The Contractor shall make all the required arrangements with the Municipality, roads, railway, T.P.A, Telkom S.A. LTD and other authorities to ensure that all their regulations and requirements are observed.

The successful Contractor will be provided with drawings and all other available information of all existing services (i.e.. water, sewer, storm water, electrical, telephone line sleeves, etc. from the Engineer before he commences with any work on site. He shall further take utmost care and precautions not to damage any existing services. The Council for the account of the Contractor shall rectify all damages to existing services. Only in the case where proof can be submitted, that damages caused was not due to his or his staff's negligence, will a claim in this regard be considered.

ITEMS REQUIRING SPECIAL ATTENTION

As the work progress it is the duty of the Contractor to keep record of any amendments or changes to the plans provided at the start of the contract by the Engineer.

The actual position at which the equipment has been installed must be indicated on the plans in order for the Engineer to be able to update and issue correct "as built" drawings.

SETTING OUT OF WORK

The Contractor shall be responsible for the setting out of the works. Reference marks will be indicated by the Client or his representative and will be the corner pegs of street blocks. No installation of services may commence before the contractor has confirmed the position of all stand pegs.

The Contractor shall take all necessary steps to ascertain the location of existing services before commencing any section of the works and shall exercise the greatest care when working in the vicinity of such services.

The contractor must familiarize himself with ground conditions and other services. Will be held liable to damages to such services if and when occur.

APPLICABLE STANDARDISED AND PARTICULAR SPECIFICATIONS

The following standardised specifications form part of the contract but are not included.

- SANS 1200 DA : Standardised specification for civil engineering construction Section DA: Earthworks (small works).
- SANS 1200 LC : Standardised specification for civil engineering construction Section LC: Cable ducts.
- SANS 121 : Hot dip galvanised coatings on fabricated iron and steel articles - Specifications and test methods.
- SANS 32 : Internal and/or external protective coatings for steel tubes - Specification for hot dip galvanised coatings applied in automatic plants.
- SANS 1431 : Weldable structural steels.
- SANS 1713 : Electric cables - Medium-voltage aerial bundled conductors for voltages from 3.8/6.6kV to 19/33kV.
- SANS 1418-1 : Aerial bundled conductor systems Part 1: Cores.
- SANS 1418-2 : Aerial bundled conductor systems Part 2: Assembled insulated conductor bundles.
- SANS 6222 : Permitted electric detonators: Resistance of detonator to water.
- SANS 10098-1 : Public lighting Part 1: The lighting of public thoroughfares.
- SANS 10098-2 : Public lighting Part 2: The lighting of certain specific areas of streets and highways.
- SANS 1277 : Street lighting luminaires.
- SANS 1464-22 : Safety of luminaires Part 22: Luminaires for emergency lighting.
- SANS 754 : Eucalyptus poles, cross-arms and spacers for power distribution and telephone systems.

SANS 780 : Distribution Transformers.

Items in the Schedule of Quantities

The tariffs of items in the Schedule of Quantities are Exclusive of VAT.

Councils Database

Contractors must be registered on the council's database - registration forms available on website stevetshwetelm.gov or middelburgsa.co.za

CIDB & Tax clearance

Contractors must be registered with the CIDB of South Africa with a rating of **EE2** or higher - **proof must be attached**.

Tax-clearance certificate must also be attached.

Safety

All the safety aspects in terms of the Occupational Health and Safety Act, Construction Regulations and the Eskom's High Voltage Regulations shall be complied with, with emphasis on:

- Risk Assessment
- Safe working procedures
- Workers register
- Site instruction book
- Safety meetings
- Personal Protective Equipment
- Register for slings and ladders with test certificates

Cognizance must be taken that no work will be allowed on the Electrical Network of the Municipality without prior notice and on **work permits** only. These permits can only be issued to responsible persons in terms of the High Voltage Regulations. Notice must be given 7 (seven) days prior to switching off any power. If an electrician is required from Council, apply in writing one day prior to executing the job.

- Specialized work to be carried out by skilled workers. - **certificates needed**
- Locals to be used for less specialized work. List of staff and ID's to be available at site and a copy to be submitted to the Municipality of Middelburg.
- A safety meeting must be held once a month and the safety meeting Agenda/Minutes must be submitted to Council.
- Safe work procedures to be adhered to at all times. Workers must be informed and trained.

- All work and construction must be done in accordance with the Occupational Health and Safety Act and the Construction regulations.
- Weekly reports are required for workers used on site.

DATA SHEETS

No tender for any equipment will be accepted unless the schedules have been completed where applicable. Delivery dates must be considered to determine the completion period of the contract.

Missing information must be provided for the specified equipment offered or for any alternative which the Tenderer might like to offer. When an alternative is offered the comparative prices must be given but, only the cost of the specified items must be transferred to the schedule of quantities in 6.2. **Only locally manufactured cables will be accepted.**

CONDITIONS

ITEM NO	DESCRIPTION	UNIT	SPECIFIED
A.1	ENVIRONMENT		
A.1.1	Ambient air temperature range	°C	-8 °C to 35 °C
A.1.2	Average humidity	%	855
A.1.3	Altitude	m	1530
A.1.4	Degree of pollution (SANS IEC 60815) (L/M/H/VH)		High
A.1.5	Lightning		Severe
A.1.6	Hail		Severe
B.1	POWER SYSTEM		
B.1.1	Number of phases		3
B.1.2	Normal power frequency	Hz	50
B.1.3	Nominal system voltage	V	11kV/415V/240V
B.1.4	System voltage range	pu	
B.1.5	System earthing (Effective/Non effective)		E
B.1.6	System fault levels:		
	(1 Φ)	kA	250MVA
	(3 Φ)	kA	
B.1.7	Network characteristics (O/H or U/G)		O/H
C.1	ADDITIONAL INFORMATION:		

EQUIPMENT SCHEDULE

DELIVERY PERIOD OF CONTRACT

Delivery period of total contract as specified _____ months

In words _____

SCHEDULE OF QUANTITIES

1. The general conditions of contract, the special conditions of contract (if any), the specifications (including the project specification) and the drawings are to be read in conjunction with the schedule of quantities.
2. a) The schedule comprises items covering the Contractor's profit and costs of general liabilities and of the construction of temporary and permanent works.
 - b) The Tenderer is at liberty to insert a rate of his own choosing for each item in the schedule and his attention is drawn to the fact that the Contractor has the right, under various circumstances, to payment for additional works carried out and that the Engineer is obliged to base his assessment of the rates to be paid for such additional work on the rates inserted in the schedule by the Contractor.
 - c) Clause 8 of each standardized specification and the measurement and payment clause of each particular specification, read together with the relevant clauses of the project specification, set out what ancillary or associated activities are included in the rates for the operations specified.
3. *Descriptions in the schedule of quantities are abbreviated. Should any requirement of the measurement and payment clause of the applicable standardized specification, or the project specification, or the particular specification(s) conflict with the terms of the schedule, the requirement of the standardized, project or particular specification, as applicable, shall prevail.*

4. Unless otherwise stated, items are measured net in accordance with the drawings, and no allowance has been made for waste.
5. The prices and rates to be inserted in the schedule of quantities are to be the full inclusive prices to the Employer for the work described under the several items, value added tax excluded. Such prices shall cover all costs and expenses that may be required in and for the construction of the work described, and shall cover the cost of all general risks, liabilities and obligations set forth or implied in the documents on which the tender is based.
6. A price or rate is to be entered against each item in the schedule of quantities, whether the quantities are stated or not. An item against which no price is entered will be considered to be covered by the other prices or rates in the schedule.
7. The Tenderer must price each item in the schedule of quantities in **BLACK INK**, the use of pencil, Tipp-Ex or any other correction fluid / item will immediately disqualify the tender.
8. *All prices and rates shall exclude value added tax (VAT)*. The Tenderer shall calculate value added tax and enter it at the end of the summary of the schedule of quantities.