



## Knysna

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INCLUSIVE. INNOVATIVE. INSPIRED.

<b>ADVERTISEMENT DATE:</b>	<b>12/09/2019</b>
<b>RFQ NUMBER:</b>	<b>B134/2019/20</b>
<b>DESCRIPTION OF GOODS/SERVICES:</b>	<b>Supply and delivery of Substation Batteries</b>
<b>RFQ DOCUMENTS ARE OBTAINABLE FROM:</b>	Supply Chain Management Section Clyde Street Knysna <b>or</b> Knysna Municipality website: <a href="http://www.knysna.gov.za">www.knysna.gov.za</a> (Information centre>SCM>QUOTATIONS)
<b>CLOSING DATE: TIME:</b>	<b>16/09/2019 12:00</b>
<b>SUBMISSIONS:</b>	Sealed quotations clearly marked, “ <b>B134/2019/20 Supply and delivery of Substation Batteries</b> ” can be submitted:  By hand to: Supply Chain Management Section Knysna Municipality Clyde Street Knysna By fax to: 086 650 1415 By email to: <a href="mailto:pmseleni@knysna.gov.za">pmseleni@knysna.gov.za</a>  Contact person: Phindiswa Mseleni (Tel: 044 302 6269) Electronic bid documents must reach the Supply Chain Management Section before the closing time.
<b>COMPULSORY REQUIREMENTS:</b>	
<b>TECHNICAL ENQUIRIES:</b>	Contact Person : Jacques Lawrence Email : <a href="mailto:jlawrence@knysna.gov.za">jlawrence@knysna.gov.za</a> Tel : (044) 302 6409 Cell : 060 998 7121

**The following conditions will apply:**

- Price(s) quoted must be firm and must be inclusive of VAT when applicable.
- Attached KMBD6.1 Clearance Certificate or Sufficient Evidence that Tax matters are raised with SARS must be attached.
- Price must include all related expenses, i.e. transport, accommodation etc.
- Attached KMBD 4 document must be completed.
- Status of Municipal accounts must be submitted.
- Invoices must be submitted to [jcordier@knysnagov.za](mailto:jcordier@knysnagov.za) and will be paid within 30 days of delivering the service.
- Only an Official order and appointment letter will bind the Council.

## **REQUIREMENTS:**

### **Point's allocation for functionality**

1. Company history and experience on similar works with proof of experiences (Number of projects/Jobs). (15)
2. List of contactable references of similar municipal services previously done. (15)

### **EVALUATION SCHEDULE**

**\*\*\* (Your pricing schedule will not be considered if proof related to this table is not attached)**

<b>Criteria</b>	<b>Scoring criteria</b>	<b>Points Claimed</b>
<i>Provide company profile</i> Proof of previous experience on similar projects or jobs (Approved orders can be attached as proof)	<b>Projects/Jobs</b> 1 - 2(5) 3 - 4(10) 5 + (15)	
Provide a list of contactable references of similar municipal services previously provided	1 ref (5) 2 refs (10) 3 refs or more (15)	
<b>Total</b>	<b>30</b>	

***Tenderers must achieve a minimum of 20 points in order to qualify for further evaluation on price and preference points***

## **SPECIFICATION:**

### **1. SCOPE :**

- 1.1 This specification provides for the manufacture, supply and delivery of batteries.
- 1.2 Replacement of batteries at Substations at Knysna Municipality
- 1.3 The Batteries (Battery Banks) shall be supplied, fitted with all ancillary equipment necessary to make a complete installation.
- 1.4 The battery shall be of the pocket plate nickel cadmium low Maintenance type complying with Specification IEC 623 (1990) having an estimated life of 20 years a full detail of the battery offered must be submitted with the tender.

### **2. DRAWINGS :**

#### **2.1 STANDARD SPECIFICATION**

The battery shall comply with the latest edition of the following standards:-

BATTERY CELLS	IEC 623 BS6260 (1982) IEC896
PVC CABLE	SABS 150
QUALITY SYSTEM	MINIMUM ISO9002

#### **2.2 DRAWINGS**

The following drawings should be supplied:-

- a) Fully dimensioned outline and general arrangement.

#### **2.3 INSTRUCTION MANUALS**

One copy on delivery of the instruction manual must be supplied with the equipment.

The manuals shall be complete with all relevant drawings enabling the equipment to be assembled, tested and maintained.

#### **2.4 QUALITY SYSTEM**

The manufacturer of the battery must operate a Quality System in compliance with ISO 9000. Proof of compliance with this requirement must be submitted with the tender and should include a copy of the registration certificate.

#### **2.5 DRAWINGS TO BE SUBMITTED WITH TENDER**

- a) Dimensioned outline drawing.
- b) Typical schematic drawings of the battery arrangement circuits.

One copy of the above drawings shall be submitted with the tender documents

### **3. GUARANTEE OF MATERIALS AND COMPLIANCE WITH SPECIFICATIONS**

The equipment supplied is guaranteed for a period of twelve months from the date of commissioning against defective materials and workmanship. Tenderers are to indicate clause compliance with this specification and any divergences are to be clearly stated.

### **4. INSPECTION AND TESTING**

- 4.1 If specified the final works test before despatch shall be carried out in the presence of our representatives who shall be advised one week in advance of the proposed testing programme. The attendance or otherwise of the representative at the final works test shall not relieve

the manufacturer of his contractual responsibilities as regard the correctness and workmanship of the equipment.

- 4.2 All alteration after delivery required through non compliance with the specification and drawings shall be done by the supplier for his account.

5. DELIVERY

Delivery of equipment specified under section 1 of this specification shall be delivered together with its associated switchboard.

6. TECHNICAL SPECIFICATION

6.1 SERVICE CONDITIONS

Maximum ambient temperature	40 C
Minimum ambient temperature	- 5 C
Relative Humidity	95 %

Where batteries are contained within the charger cubicle, the charger and battery compartments are to be entirely separated from one another with no air movement possible between them.

Battery shelves shall be protected by coating with Polyurethane or Black acid resistant paint.

7. DETAILS OF REQUIREMENTS

7.1	NUMBER OF CELLS REQUIRED	85
	TYPE OF BATTERY	LOW MAINTENANCE POCKET PLATE NICKEL CADMIUM
7.3	BATTERY NOMINAL VOLTAGE	1.2vpc
7.4	MAXIMUM FLOAT VOLTAGE	120.70V
7.5	MINIMUM BATTERY TERMINAL VOLTAGE AFTER DISCHARGE DUTY	(85 %)
7.6	DISCHARGE CURRENT	
7.8	STANDBY TIME	TBA
7.9	AMPERE HOUR CAPACITY	TBA
7.10	RECHARGE TIME TO 80 % CAPACITY WITH CONTINUOUS LOAD CONNECTED (MAXIMUM 10 HOURS)	

8. GUARANTEES AND TECHNICAL PARTICULARS FOR RETURN WITH TENDER.

- 8.1 Number and type of cell.  
8.2 Capacity at the 5 hour rate in ampere hours.  
8.3 Maximum power supply requirements of charger.  
8.4 Voltage during boost charge V.P.C  
8.5 Normal float voltage of cell.  
8.6 Maximum continuous load on battery charger after deducting battery requirements. In amps  
8.7 Life of battery.

8.8 Discharge duty.

8.9 Detailed calculations concerning the battery sizing shall be forwarded with tender.

### Battery Specification Sheet

#### Battery Type:

The battery shall be constituted of open (vented) nickel cadmium cells, and shall fully comply with IEC 623 (1990 Edition) requirements and its amendments 1&2.

Corresponding type test approval certificates shall be submitted.

The battery shall be made of single cells, connected in series.

#### Electrodes:

The positive and negatives of the cells shall be of pocket plate type: the active materials shall be retained in pockets formed from double-perforated nickel plated steel strips.

To achieve the highest mechanical strength and the lowest internal electrical resistance all steel parts

Good day G

Kindly see attached adverts for placement.

Regards

Phindiswa

#### Electrolyte:

The electrolyte shall be an aqueous solution of potassium hydroxide (KOH) and lithium hydroxide (LiOH).

#### Separator:

The cell separator shall consist of a plastic grid (open rod insulation) in order to separate the plates from each other, and allow free circulation of electrolyte between the plates.

#### Container:

The cell container shall be made of translucent polypropylene.

The electrolyte level of the cells shall be visible through the side walls and min. and max. electrolyte levels marks shall be displayed on at least one side of the container.

#### Vents:

Each cell shall be equipped with a flip-top vent for easy maintenance. Screw vents that must be removed from the cells when topping up with water are not acceptable. Vents must be of the flame arresting type that does not allow an external gas explosion to ignite the charging gasses inside the cell container.

Inside the cell and under the vent hole, a plate group protector shall be located to prevent foreign objects that may come in through the vent to cause accidental short circuit of the cell and also prevents electrolyte splash (splash guard).

TABLE: - TECHNICAL SPECIFICATION – NICKEL CADMIUM BATTERIES.

	SPECIFICATIIONS	TENDERS RESPONSE
CELL TYTPE	NICKEL CADMIUM	
CAPACITY	18A/H – KPZ18	
DISCHARGE RATE @ 20 Deg C	5 Hours (C/5)	
Nominal Cell Voltage	1.2 Volts Per Cell	
Number of Cells	25 Cells = 30 Volts 85 Cells = 110 Volts	
Cell Casing	Clear Translucent	
Accessories	Inter Cell & Inter Row Connectors	
Delivery Status	Filled and Charged	
Delivery Status	Filled and Charged	

**Pricing schedule**

ITEM	SHORT DESCRIPTION	QTY	Unit price	AMOUNT ( R ) EXCL VAT
1	KPZ18 or similar	76		
<b>Sub total</b>			<b>R</b>	
<b>15% VAT (if VAT registered)</b>			<b>R</b>	
<b>TOTAL</b>			<b>R</b>	

### **Contact Details of Tenderer**

Knysna Municipality Supplier number	
CSD Supplier number	
CSD Unique Registration Reference Number	
The name of the Tenderer:	
The name of the contact person:	
The address of the Tenderer:	
Telephone:	
Facsimile:	
E-mail:	
Address (physical):	
Address (postal):	
Signature:	
Date:	



## MBD 4 DECLARATION OF INTEREST

1.	No bid will be accepted from persons in the service of the state <sup>1</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 favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in service of the state, it is required that the bidder or their authorised representative declare their position in relation to the evaluating/adjudicating authority.		
3.	In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.		
3.1	Full Name of bidder or his or her representative:		
3.2	Identity Number:		
3.3	Position occupied in the Company (director, trustee, hareholder <sup>2</sup> ):		
3.4	Company Registration Number:		
3.5	Tax Reference Number:		
3.6	VAT Registration Number:		
3.7	The names of all directors / trustees / shareholders members, their individual identity numbers and state employee numbers must be indicated in paragraph 4 below.		
3.8	Are you presently in the service of the state?	YES	NO
3.8.1	If yes, furnish particulars: _____ _____		
3.9	Have you been in the service of the state for the past twelve months?	YES	NO
3.9.1	If yes, furnish particulars: _____ _____		
3.10	Do you have any relationship (family, friend, other) with persons in the service of the state and who may be involved the evaluation and or adjudication of this bid?	YES	NO
3.10.1	If yes, furnish particulars: _____ _____		
3.11	Are you, aware of any relationship (family, friend, other) between any other bidder and any persons in the service of the state who may be involved with the evaluation and or adjudication of this bid	YES	NO
3.11.1	If yes, furnish particulars: _____ _____		
3.12	Are any of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state?	YES	NO
3.12.1	If yes, furnish particulars:		



3.13	Are any spouse, child or parent of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state?	YES	NO
3.13.1	If yes, furnish particulars:		
3.14	Do you or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract	YES	NO
3.14.1	If yes, furnish particulars:		

<sup>1</sup>MSCM Regulations: "in the service of the state" means to be –

- (a) a member of –
  - (i) any municipal council;
  - (ii) any provincial legislature; or
  - (iii) the national Assembly or the national Council of provinces;
- (b) a member of the board of directors of any municipal entity;
- (c) an official of any municipality or municipal entity;
- (d) an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);
- (e) a member of the accounting authority of any national or provincial public entity; or
- (f) An employee of Parliament or a provincial legislature.

<sup>2</sup> Shareholder" means a person who owns shares in the company and is actively involved in the management of the company or business and exercises control over the company.

4.	Full details of directors / trustees/ members / shareholders:		
	Full Name	Identity Number	State Employee Number

5. I, the undersigned (name) _____, certify that the information furnished in paragraphs 3 and 4 above is correct.			
I accept that the state may act against me should this declaration prove to be false.			
Name of Bidder		Date	

Signature		Capacity	
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## 11. MDB 15 – Certificate for Payment of Municipal Services

**NAME OF THE BIDDER:** \_\_\_\_\_

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

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

**NB:** Please attach certified copy (ies) of ID document(s)

I, \_\_\_\_\_,

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

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

**THUS DONE AND SIGNED** for and on behalf of the Bidder, at \_\_\_\_\_, on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

Number of sheets appended by the tenderer to this schedule (If nil, enter NIL)	
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SIGNATURE:		NAME (PRINT):	
CAPACITY:		NAME OF FIRM:	

**For office use (comments):**