



a world class African city



City Power Johannesburg

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2016

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## **CITY POWER JOHANNESBURG**

Bidders are hereby invited for the following RFQ,  
further details are available from CITY POWER,  
Tender Advice Centre, 40 Heronmere Rd, Rueven, Booysens  
Telephone 011 490-7000, Fax 011 490-7765/011 870-3688  
CITY POWER JOHANNESBURG (PTY) LTD.

### **ADVERTISEMENT**

#### **SUPPLY AND DELIVERY OF CLAMP: 5472**

<b>RFQ CLOSING DATE:</b>	<b>30 November 2021</b>
<b>RFQ CLOSING TIME:</b>	<b>11h00am</b>
<b>SITE MEETING VENUE:</b>	<b>N/A</b>
<b>SITE MEETING TIME:</b>	<b>N/A</b>
<b>DATE OF SITE VISIT:</b>	<b>N/A</b>
<b>VENUE:</b>	<b>City Power-Tender Advice Centre</b>
<b>CONTACT PERSONS:</b>	<b>Zandile Mshweshwe</b>

Should you not receive an official Purchase Order from City Power within a period of fourteen (14) days from date of closing, consider your Request for Quotation unsuccessful

---

**RFQ DOCUMENTS WILL BE AVAILABLE ON THE WEBSITE  
AS FROM 23 November 2021**

**40 HERONMERE ROAD REUVEN, BOOYSENS**

**SUBMISSIONS: QUOTATION BOX, TENDER ADVICE CENTRE**

**Please note:-**

**That we also advertise on our Website:**

**Website Address: [www.citypower.co.za](http://www.citypower.co.za) Available Bid's and RFQ'**

**Non-Executive Directors:** L Maseko (Chairperson of the Board), N Batyi, P Kedama, N Kgope, T Marah, L Mathabathe, K Mthembu,  
B Ramokhele, M Seopela, K Setzin, P Thobejane, B Twala  
**Executive Directors:** M Ntsokolo (Chief Executive Officer), N Xolo (Chief Financial Officer) Company Secretary: M Smith  
**Registration number:** 2000/030051/30 - **VAT number:** 4710191182

# Request for Quotations

CP Reference Number: 11712025  
Contact Person: Zandile Mshweshwe  
Tel: 011 490 7838  
Fax: 011 870 3717  
Email: zmshweshwe@citypower.co.za

**Company:** .....  
**Attention:** .....  
**Tel:** .....  
**Fax:** .....  
**Email:** .....

You are hereby invited to submit a quotation for the items listed below. Please provide a written quotation to the above named contact person on or before the closing date indicated below. Only quotations which contain the information listed below will be accepted. Prices should be shown both exclusive and inclusive of VAT and fixed and firm. Delivery will be direct to the relevant City Power store.

Stock No.	Description	Estimated Qty	Unit Price	Total
5472	Clamp U; Material: Steel; Distance Between Base and Inside of Arch: 12mm	2000		
<b>NB: FIND THE ATTACHEHD TECHNICAL SCHEDULE (cp_tsspec_169)</b>			<b>Sub Total</b>	
			<b>Vat</b>	
			<b>Total</b>	

	<b>Evaluation Criteria</b>	<b>Weight</b>
	<b>FIRST STAGE EVALUATION - 80% THRESHOLD MUST BE ACHIEVED</b>	
1.	Technical Schedule to be completed in full & Signed  <b>Max score points = 10 points</b> <ul style="list-style-type: none"> <li>• Technical schedule fully completed and signed = 10 points</li> <li>• Technical schedule not fully completed and signed = 0 points</li> </ul>	<b>40</b>
2.	Submit a complete Type test report  <b>Max score points = 10 points</b> <ul style="list-style-type: none"> <li>• Submit a complete type test report according to the specification tendering = 10 points</li> <li>• Incomplete type test report = 0 points</li> </ul>	<b>40</b>
3.	Provide proof of a valid ISO 9001 certificate from the manufacturer  <b>Max score points = 10 points</b> <ul style="list-style-type: none"> <li>• ISO certificate submitted = 10 points</li> <li>• No ISO certificate = 0 points</li> </ul>	<b>20</b>
	Total	<b>100</b>
	<b>SECOND STAGE EVALUATION</b>	
	<b>Price</b>	<b>80</b>
	<b>BEE</b>	<b>20</b>

**NB: Technical Schedule to be completed in full and 80% threshold should be met to be further evaluated.**

**Closing date and time for submission of quotation: 30/11/2021 @ 11h00**

Vendors must supply written quotations that reflect the following information on the quotation:

- Quotation Validity Period: \_\_\_\_\_
- Delivery period: \_\_\_\_\_
- Company Name: \_\_\_\_\_
- Company Registration Number: \_\_\_\_\_
- VAT Registration Number: \_\_\_\_\_
- Physical Address: \_\_\_\_\_
- Contact Person: \_\_\_\_\_
- Telephone Number: \_\_\_\_\_
- Fax Number/Email Address: \_\_\_\_\_
- Company Income Tax Number (i.e. SARS No): \_\_\_\_\_
- Tax Clearance Certificate Attached or SARS Pin for City Power to ascertain from SARS whether your status is in order: \_\_\_\_\_
- Signed disclaimer (Attached to this RFQ): \_\_\_\_\_

**Please supply the following returnable documents to enable us to evaluate your submission:**

- 1. Valid Tax Clearance Certificate (SARS PIN)**
- 2. Signed Declaration of Interest form (MBD 4)**
- 3. Certificate of Independent Proposal Determination (MBD 9)**
- 4. Proof of CSD registration/MAAA Supplier Number**
- 5. A certified valid BBBEE certificate/sworn affidavit (Please note that the Sworn Affidavit must be compliant as per BBBEE Practice Guide 01 of 2018, NON-COMPLIANT AFFIDAVIT WILL BE DISQUALIFIED)**

## 2. Calculation of points for B-BBEE status level of contributor

B-BBEE Status Level of Contributor	Number of points (80/20 system)
1	20
2	18
3	16
4	12
5	8
6	6
7	4
8	2
Non-compliant contributor	0

**Disclaimer:** Supplier ( \_\_\_\_\_ ) hereby warrants that he/she/it has: (Name of supplier)

1. Read, fully understood and hereby accept City Power's standard quotation Terms & Conditions as published on the official City Power website;
2. Submitted a true and accurate declaration of interests reflecting that the supplier has no immediate family relations and that none of its shareholders, directors, managers or stakeholders are in the employ of City Power or the state currently and that no such relatives, shareholders, directors, managers or stakeholders have been so employed in the previous 12 months;
3. Undertakes to complete a fresh declaration of interests should these circumstances have changed as at date of this quotation. (This declaration is obtainable from the City Power's website/ Commodity Managers and the abovementioned contact person).

<b>Name, Date &amp; Signature of Supplier</b> (Person responsible for the Quote)	<b>Name:</b>  <b>Signature:</b>	<b>Date</b>
---	---------------------------------------	-------------

## 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, shareholder<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. ....

.....

<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.

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 with 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:

.....  
.....



4. Full details of directors / trustees / members / shareholders.

Full Name	Identity Number	State Employee Number

.....  
**Signature**

.....  
**Date**

.....  
**Capacity**

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

**CERTIFICATION**

**I, THE UNDERSIGNED (NAME) .....**

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

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

.....

Signature

.....

Date

.....

Position

.....

Name of Bidder

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

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

Item	Question	Yes	No
4.1	<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 <input type="checkbox"/>	No <input type="checkbox"/>

4.1.1	If so, furnish particulars:		
4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? <b>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>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
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 <input type="checkbox"/>	No <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 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 <input type="checkbox"/>	No <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 <input type="checkbox"/>	No <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**

**MBD 9**

### CERTIFICATE OF INDEPENDENT PROPOSAL DETERMINATION

- 1 This Municipal Bidding Document (MBD) must form part of all proposals<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 proposal of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
  - c. cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.

4 This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when proposal are considered, reasonable steps are taken to prevent any form of bid-rigging.

5 In order to give effect to the above, the attached Certificate of Proposal Determination (MBD 9) must be completed and submitted with the proposal:

**<sup>1</sup> Includes price quotations, advertised competitive proposals, 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.**

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

**MBD 9**

### **CERTIFICATE OF INDEPENDENT PROPOSAL DETERMINATION**

I, the undersigned, in submitting the accompanying proposal:

---

(Proposal Number and Description)

in response to the invitation for the proposal 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 proposal has been authorized by the bidder to determine the terms of, and to sign, the proposal, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying proposal, 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) have been requested to submit a bid in response to this proposal invitation;
  - (b) could potentially submit a proposal in response to this proposal 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 proposal independently from, and without consultation, communication, agreement or arrangement with any competitor. 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:
  - (a) prices;
  - (b) geographical area where product or service will be rendered (market allocation)
  - (c) methods, factors or formulas used to calculate prices;
  - (d) the intention or decision to submit or not to submit, a proposal;
  - (e) the submission of a proposal which does not meet the specifications and conditions of the proposal; or
  - (f) bidding with the intention not to win the proposal.
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 proposal invitation relates.

9. The terms of the accompanying proposal 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 proposal and contracts, proposal 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





a world class African city



9	TITLE	SPECIFICATION FOR CROSBY CLAMPS	REFERENCE CP_TSSPEC_169	DATE: PAGE:	1	REV 1 NOVEMBER 2006 OF	19

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## FOREWORD

This specification was prepared by the following Work Group members:

Z. Ngqwala Technology Services

The Work Group was appointed by the Underground Systems Study Committee, which, at the time of approval, comprised of the following members:

Emmanuel Hlatshwayo	Secondary Plant
Patrick O'Halloran	Nertwork Optimization
Mark Paravano	Secondary Plant
David Makoni	Primary Plant
Ledingwana Chidi	Network Operations
Tshililo Mudzadzayi	Infrastructure Planning
Lungi Mzizi	Infrastructure Planing

Recommendations for corrections, additions or deletions should be addressed to the:

Technology Services General Manager  
City Power Johannesburg (SOC) Ltd  
P O Box 38766  
Booyens  
2016

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## 1. INTRODUCTION

Crosby clamps are widely used throughout the electricity distribution industry on low voltage and medium voltage overhead reticulation infrastructure to secure bare conductors. These connectors have to meet the specified technical requirements to sustain the life expectancy of the installation.

## 2. SCOPE

The purpose of this specification is to specify the technical requirements to be met when acquiring crosby clamps for use on City Power's network.

## 3. NORMATIVE REFERENCES

The following documents contain provisions that, through reference in the text, constitute requirements of this specification. All standards and specifications are subject to revision, and parties to agreements based on this specification are encouraged to investigate the possibility of applying the most recent editions of the documents listed below.

SANS 121, *Hot dip galvanized coatings on fabricated iron and steel articles — Specifications and test methods.*

SANS 1700-14-11, *Hexagon nuts for structural bolting — Style 2, hot-dip galvanized (oversize tapped) —Product grade A —Property class 9.*

SANS 1700-14-9, *Hexagon nuts for structural bolting, style 1, hot-dip galvanized (oversize tapped) — Product grades A and B — Property classes 5, 6 and 8.*

SANS 1700-2-19, *ISO general purpose metric screw threads — Tolerances — Limits of sizes for hot-dip galvanized external screw threads to mate with internal screw threads tapped with tolerance position H or G after galvanizing.*

SANS 1700-2-20, *ISO general purpose metric screw threads — Tolerances — Limits of sizes for internal screw threads to mate with hot-dip galvanized external screw threads with maximum size of tolerance position h before galvanizing.*

SANS 1700-5-3, *Mechanical properties of fasteners made of carbon steel and alloy steel — Set screws and similar threaded fasteners not under tensile stresses*

SANS 32, *Internal and/or external protective coatings for steel tubes — Specification for hot dip galvanized coatings applied in automatic plants.*

SANS 61284, *Overhead lines - Requirements and tests for fittings.*

SANS 935, *Hot-dip (galvanized) zinc coatings on steel wire.*

## **4. DEFINITIONS AND ABBREVIATIONS**

The definitions and abbreviations in the above documents shall apply to this specification.

---

## 5. REQUIREMENTS

### 5.1 General

- 5.1.1 The fittings shall be designed with an aluminium inset so as to avoid damaging the conductor.
- 5.1.2 The clamp shall withstand the mechanical loads relevant to installation, maintenance and service.
- 5.1.3 The clamp shall withstand designed service current, including short-circuit currents.
- 5.1.4 The clamp shall withstand the service temperatures and environmental conditions.
- 5.1.5 All parts shall be resistant to atmospheric corrosion, which can occur in transport, storage and in service.
- 5.1.6 The clamp shall be compatible for use on copper and aluminium conductors.

**Note:** All external threads shall be cut or rolled before hot dip galvanizing. Internal threads can be cut before hot dip galvanizing.

### 5.2 Hexagon nuts

- 5.2.1 The general dimensions of nuts shall be according to table 1 of SANS 1700-14-11 (clause 3).
- 5.2.2 The nut shall be manufactured of grade A steel.
- 5.2.3 The surface finish shall be hot-dip galvanised.
- 5.2.4 Threads dimensions in table 4 of SANS 1700-14-11 shall be applied.
- 5.2.5 Proof load stress results shall be provided with the documents on the tender.
- 5.2.6 Nuts shall be marked in accordance with the requirements of SANS 1700-5-3.
- 5.2.7 Tolerance designation for internal screw threads shall be 6AZ (e.g.: M12 - 6AZ).

### 5.3 U bolt

- 5.3.1 The tolerance designation for external screw threads shall be 6AZ (e.g.: M12 – 6az).
- 5.3.2 The actual root contour shall not at any point transgress the basic profile.
- 5.3.3 The outside surface coating shall be continuous, smooth and free from flux residues.
- 5.3.4 The minimum coating thickness shall be 55 µm; a certificate of compliance shall be supplied with the product.

**Note:** White marks on the surface of the coating (commonly known as “wet storage stain”) are permitted if the coating thickness is met.

## **6. TESTS**

6.1 The following tests shall be performed on crosby clamps in accordance with SANS 61284:

- 6.1.1 Electrical aging test;
- 6.1.2 Accelerated weathering test;
- 6.1.3 Corrosion test; and
- 6.1.4 Coating thickness test.

---

## 7. MARKING AND DOCUMENTATION

### 6.1 Marking

Each crosby clamp shall bear the following information in legible and indelible marking on the surface of the clamp:

- 6.1.1 the manufacturer's name or trade mark or trade name (or any combination of these);
- 6.1.2 the grade of the coating; and
- 6.1.3 the nominal diameter, in millimeters.

### 6.2 Documentation

Documentation shall be submitted in a technical catalogue format specifying the sizes, dimensions and reference numbers.

## 8. QUALITY MANAGEMENT

A quality management plan shall be set up in order to assure the proper quality management of the Crosby clamps during design, development, production, installation and servicing phases. Guidance on the requirements for a quality management plan may be found in the SANS ISO 9001. The details shall be subject to agreement between City Power and the Supplier.

## 9. ENVIRONMENTAL MANAGEMENT

An environmental management plan shall be set up in order to assure the proper environmental management of the Crosby clamps throughout its entire life cycle (i.e. during design, development, production, installation, operation and maintenance, decommissioning and disposal phases). Guidance on the requirements for an environmental management system may be found in SANS ISO 14001 standards. The details shall be subject to agreement between City Power and the Supplier. This is to ensure that the asset created conforms to environmental standards and City Power SHEQ Policy.

## 10. HEALTH AND SAFETY

A health and safety plan shall be set up in order to ensure proper management of the Crosby clamps and compliance of the queuing system during installation, operation, maintenance, and decommissioning phases. Guidance on the requirements of a health and safety plan may be found in OHSAS 18001 standards. This is to ensure that the asset conforms to standard operating procedures and City Power SHERQ Policy. The details shall be subject to agreement between City Power and the Supplier.

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Annex A – Bibliography

None



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Annex B – Revision information

DATE	REV. NO.	NOTES
August 2006	0	First issue

## Annex C – ITEM 1: 8 MM<sup>2</sup> CROSBY CLAMP – SAP 5470

Schedule A: Purchaser's specific requirements

Schedule B: Guarantees and technical particulars of equipment offered

Item	Sub-clause CP_TSSPEC_169	Description	Schedule A	Schedule B
1	6.1	<b>Marking</b> a. Manufacturer's/Supplier's name b. Grade of coating c. Nominal diameter mm d. Minimum coating µm	XXXX XXXX 8 55	
2	4.2.2	Grade of steel	A	
3		<b>Ratings</b> a. Rated voltage kV b. Service current rating A c. Short-circuit rating A	XXXX XXXX XXXX	
4		<b>Service conditions</b> a. Service Temperatures °C b. Tolerance of internal threads c. Tolerance of external threads	XXXX XXXX XXXX	
5	5	<b>Tests</b> a. Electrical aging test Yes/No b. Accelerated weathering test Yes/No c. Corrosion test Yes/No d. Stress load proof Yes/No	Yes Yes Yes Yes	
6	6.2	Packing Units	25	
7	6.3	Documentation Yes/No	Yes	
8	4.1.6	Compatible for Copper and Aluminium Yes/No	Yes	

Tender Number: \_\_\_\_\_

Tenderer's Authorised Signatory: \_\_\_\_\_

Name in block letters

Signature

Full name of company: \_\_\_\_\_

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**ITEM 1: 8 MM<sup>2</sup> CROSBY CLAMP – SAP 5470****Deviation schedule**

Any deviations offered to this specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by City Power.

Item	Sub-clause	Proposed deviation

Tender Number: \_\_\_\_\_

Tenderer's Authorised Signatory: \_\_\_\_\_

Name in block letters

Signature

Full name of company: \_\_\_\_\_

## Annex C – ITEM 2: 10 MM<sup>2</sup> CROSBY CLAMP – SAP 5471

Schedule A: Purchaser's specific requirements

Schedule B: Guarantees and technical particulars of equipment offered

Item	Sub-clause CP_TSSPEC_169	Description	Schedule A	Schedule B
1	6.1	<b>Marking</b> a. Manufacturer's/Supplier's name b. Grade of coating c. Nominal diameter mm d. Minimum coating µm	XXXX XXXX 10 55	
2	4.2.2	Grade of steel	A	
3		<b>Ratings</b> a. Rated voltage kV b. Service current rating A c. Short-circuit rating A	XXXX XXXX XXXX	
4		<b>Service conditions</b> a. Service Temperatures °C b. Tolerance of internal threads c. Tolerance of external threads	XXXX XXXX XXXX	
5	5	<b>Tests</b> a. Electrical aging test Yes/No b. Accelerated weathering test Yes/No c. Corrosion test Yes/No d. Stress load proof Yes/No	Yes Yes Yes Yes	
6	6.2	Packing Units	25	
7	6.3	Documentation Yes/No	Yes	
8	4.1.6	Compatible for Copper and Aluminium Yes/No	Yes	

Tender Number: \_\_\_\_\_

Tenderer's Authorised Signatory: \_\_\_\_\_  
Name in block letters      Signature

Full name of company: \_\_\_\_\_

ITEM 2: 10 MM<sup>2</sup> CROSBY CLAMP – SAP 5471

Deviation schedule

Any deviations offered to this specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by City Power.		
Item	Sub-clause	Proposed deviation

Tender Number: \_\_\_\_\_

Tenderer's Authorised Signatory: \_\_\_\_\_

Name in block lettersSignature

Full name of company: \_\_\_\_\_

## Annex C – ITEM 3: 12 MM<sup>2</sup> CROSBY CLAMP – SAP 5472

**Schedule A: Purchaser's specific requirements**

**Schedule B: Guarantees and technical particulars of equipment offered**

Item	Sub-clause	Description	Schedule A	Schedule B
1	6.1	<b>Marking</b>		
		a. Manufacturer's/Supplier's name	XXXX	
		b. Grade of coating	XXXX	
		c. Nominal diameter mm	12	
		d. Minimum coating µm	55	
2	4.2.2	Grade of steel	A	
3		<b>Ratings</b>		
		a. Rated voltage kV	XXXX	
	4.1.3	b. Service current rating A	XXXX	
	4.1.3	c. Short-circuit rating A	XXXX	
4		<b>Service conditions</b>		
	4.1.4	a. Service Temperatures °C	XXXX	
	4.2.7	b. Tolerance of internal threads	XXXX	
	4.3.1	c. Tolerance of external threads	XXXX	
5	5	<b>Tests</b>		
		a. Electrical aging test Yes/No	Yes	
		b. Accelerated weathering test Yes/No	Yes	
		c. Corrosion test Yes/No	Yes	
	4.2.5	d. Stress load proof Yes/No	Yes	
6	6.2	Packing Units	25	
7	6.3	Documentation Yes/No	Yes	
8	4.1.6	Compatible for Copper and Aluminium Yes/No	Yes	

Tender Number: \_\_\_\_\_

Tenderer's Authorised Signatory: \_\_\_\_\_  
 Name in block letters      Signature

Full name of company: \_\_\_\_\_

ITEM 3: 12 MM<sup>2</sup> CROSBY CLAMP – SAP 5472

Deviation schedule

Any deviations offered to this specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by City Power.		
Item	Sub-clause	Proposed deviation

Tender Number: \_\_\_\_\_

Tenderer's Authorised Signatory: \_\_\_\_\_

Name in block lettersSignature

Full name of company: \_\_\_\_\_



## Annex C – ITEM 4: 25 MM<sup>2</sup> CROSBY CLAMP – SAP 6222

Schedule A: Purchaser's specific requirements

Schedule B: Guarantees and technical particulars of equipment offered

Item	Sub-clause	Description	Schedule A	Schedule B
1	6.1	<b>Marking</b>		
		a. Manufacturer's/Supplier's name	XXXX	
		b. Grade of coating	XXXX	
		c. Nominal diameter mm	25	
		d. Minimum coating µm	55	
2	4.2.2	Grade of steel	A	
3		<b>Ratings</b>		
		a. Rated voltage kV	XXXX	
	4.1.3	b. Service current rating A	XXXX	
	4.1.3	c. Short-circuit rating A	XXXX	
4		<b>Service conditions</b>		
	4.1.4	a. Service Temperatures °C	XXXX	
	4.2.7	b. Tolerance of internal threads	XXXX	
	4.3.1	c. Tolerance of external threads	XXXX	
5	5	<b>Tests</b>		
		a. Electrical aging test Yes/No	Yes	
		b. Accelerated weathering test Yes/No	Yes	
		c. Corrosion test Yes/No	Yes	
	4.2.5	d. Stress load proof Yes/No	Yes	
6	6.2	Packing Units	25	
7	6.3	Documentation Yes/No	Yes	
8	4.1.6	Compatible for Copper and Aluminium Yes/No	Yes	

Tender Number: \_\_\_\_\_

Tenderer's Authorised Signatory: \_\_\_\_\_  
Name in block letters
Signature

Full name of company: \_\_\_\_\_

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ITEM 4: 25 MM<sup>2</sup> CROSBY CLAMP – SAP 6222

Deviation schedule

Any deviations offered to this specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by City Power.		
Item	Sub-clause	Proposed deviation

Tender Number: \_\_\_\_\_

Tenderer's Authorised Signatory: \_\_\_\_\_

Name in block lettersSignature

Full name of company: \_\_\_\_\_

## Annex D – Stock Items

## Material Group: NET-ACCS

Item	SAP No.	SAP Short Description	SAP Long Description
1.	5470	8 MM <sup>2</sup> CROSBY CLAMP	CLAMP FOR OVERHEAD POWER LINES MANUFACTURED OF GRADE A STEEL AND HOT GALVANISED TO MINMUM COATING 5µm, ITEM SPECIFICATION NO. CP_TSSPEC_169
2	5471	10 MM <sup>2</sup> CROSBY CLAMP	CLAMP FOR OVERHEAD POWER LINES MANUFACTURED OF GRADE A STEEL AND HOT GALVANISED TO MINMUM COATING 5µm, ITEM SPECIFICATION NO. CP_TSSPEC_169
3	5472	12 MM <sup>2</sup> CROSBY CLAMP	CLAMP FOR OVERHEAD POWER LINES MANUFACTURED OF GRADE A STEEL AND HOT GALVANISED TO MINMUM COATING 5µm, ITEM SPECIFICATION NO. CP_TSSPEC_169
4	6222	25 MM <sup>2</sup> CROSBY CLAMP	CLAMP FOR OVERHEAD POWER LINES MANUFACTURED OF GRADE A STEEL AND HOT GALVANISED TO MINMUM COATING 5µm, ITEM SPECIFICATION NO. CP_TSSPEC_169