



Request for Quotation (RFQ) for the dismantling of existing 132kV surge arresters and to supply, deliver and install new 132kV surge arresters to CSIR Scientia Pretoria main Substation.

RFQ No. 9333/26/11/2021

Date of issue	Friday, 12 November 2021
Closing Date and Time	Friday, 26 November 2021
Contact details	Submission of quotations or any other enquiries: Email to: tender@csir.co.za
CSIR Business Hours	08:00 – 16:30

1 BACKGROUND

Quotations are hereby invited from suitably qualified service providers to dismantle existing 132kV surge arresters and to supply, deliver and install new 132kV surge arresters at CSIR main substation. Each surge arrester combination will come complete with a strike counter.

2 QUOTATION REQUIREMENTS/ SCOPE OF WORK

Quotations are invited from experienced electrical contractors to dismantle existing 132kV surge arresters and to install new surge arresters at CSIR main intake substation., All dismantling and installation work will be done using dead work techniques.

The scope of work covers the following:

1. Supply new surge arresters with surge counter.
2. Dismantle existing 132kV surge arresters with existing surge counter on lines A and B.
3. Install new 132kV surge arresters with new strike counters on each surge arrester.
4. Perform post thermal scanning on all termination points.
5. Provide all warranty documentation, factory test reports and all technical information on the surge arresters.

The scope of work includes the items in the Bill of Quantities below:

Bill of Quantities:

Item	Description	Unit	QTY	Rate	Amount
1	Dismantling activities				
1.1	Remove existing 132kV surge arresters with associated surge counter on both line A and B	sum	1		
2	Supply and installation of new surge arresters				
2.1	132 kV line surge arresters <i>See Annexure B for technical specifications)</i>	each	6		

2.2	Strike counter <i>See Annexure B for technical specifications)</i>	each	6		
3.	Make provision for conductor clamps, mounting plates and mounting of all strike counters the rate will be inclusive of all co-ordination and any adjustments to the existing mounting structure etc.	sum	1		
4	Provide for post commissioning thermal scanning	sum	1		
5	Safety file	sum	1		
	Sub-Total				
	VAT @ 15%				
	Total				

3 Mandatory documents to be submitted with quotation

- Company profile
- A list of at least 3 contactable references of previous and/or current contracts of a similar and nature
- Proof of registration and Compliance with **COID** act
- Proof of registration with CIDB level **2EP or higher**.
- Original completed Bill of Quantities
- Original or certified copy of Valid B-BBEE certificate – (RSA suppliers only).

NB: *Non-submission of the above-mentioned documents may deem your submission unresponsive and thus result in your submission not being considered for Price and BBBEE evaluation.*

4 ELIMINATION CRITERIA

Suppliers will be eliminated under the following conditions:

- Late submission of Quotes.
- Submission at wrong location or incorrect email address (**Please submit electronically to tender@csir.co.za**);
- If bidder is restricted by National Treasury.
- If supplier does not quote on all items in the BOQ.
- If supply does not submit quotation on their official company letterhead or signed BOQ by director.

5 EVALUATION CRITERIA

- 5.1 Suppliers that are eliminated on the basis of the elimination criteria set above will not be evaluated on price and B-BBEE.
- 5.2 Selection of suppliers will be based on the 80/20 preference point system.
- 5.3 Provide a certified copy of a valid B-BBEE Certificate, or valid sworn affidavit indicating the B-BBEE Status level. SANSA approved
- 5.4 Indicate CSD number (National Treasury Central Supplier Database) on quotation. If not registered yet on CSD, use www.csd.gov.za to register.
- 5.5 No order will be issued, or no contract will be signed without a valid CSD number.

6 PRICING QUOTATION

- 6.1 Price needs to be provided in South African Rand (excl. VAT), with details on price elements that are subject to escalation and exchange rate fluctuations clearly indicated.
- 6.2 Payment will be according to the CSIR Payment Terms and Conditions.
- 6.3 Price should be based on gazetted tariff of fees.

The price should be firm and inclusive of disbursements and all services required to complete the project.

7 PROCEDURE FOR SUBMISSION OF QUOTATIONS

- All quotations must be submitted electronically to: tender@csir.co.za
- Respondents must use the RFQ number as the subject reference number when submitting their bids.
- The email and file sizes should not exceed a total of 30mb per email.
- The naming / labelling syntax of files or documents must be short and simple (e.g. BBEE Certificate).

8 SUB-CONTRACTING

- 8.1 A tenderer will not be awarded points for B-BBEE status level if it is indicated in the tender documents that such a tenderer intends sub-contracting more than 25% of the value of the contract to any other enterprise that does not qualify for at least the points that such a tenderer qualifies for, unless the intended sub-contractor is an exempted micro enterprise that has the capability and ability to execute the sub-contract.
- 8.2 A tenderer awarded a contract may not sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is sub-

contracted to an exempted micro enterprise that has the capability and ability to execute the sub-contract.

- 8.3 If the tender intends to sub-contract, they must indicate the value of the work in Rands to be sub-contracted in relation to the total tendered amount. The supplier must also indicate the name(s) of the company / contractor.
- 8.4 All BBBEE certificates of the sub-contractors must also be submitted. Non-submission will result in 0 points being awarded for BBBEE.
- 8.5 In case of proposal from a joint venture, the following must be submitted together with the proposal/Quotation:
 - Joint venture Agreement including split of work signed by both parties.
 - The original or certified copy of the B-BBEE certificate of the joint venture.
 - The Tax Clearance Certificate of each joint venture member.
 - Proof of ownership/shareholder certificates/copies; and
 - Company registration certificates.

9 OTHER TERMS AND CONDITIONS

- 9.1 The supplier shall under no circumstances offer, promise or make any gift, payment, loan, reward, inducement, benefit or other advantage, which may be construed as being made to solicit any favour, to any CSIR employee or its representatives.
- 9.2 Such an act shall constitute a material breach of the Agreement and the CSIR shall be entitled to terminate the Agreement forthwith, without prejudice to any of its rights.

10 No goods and/or services should be delivered to the CSIR without an official CSIR Purchase order. Note: This is not a Purchase Order.

Annexure A – SBD 1 Form

(The Completed SBD 1 form must be submitted with the quotation)

Annexure B (Technical Specifications)**132 kV line surge arrester specifications**

Type	Rated Voltage	Max. continuous operating voltage MCOV	Single impulse Energy Capability	Creepage distance
PEXLIM Q	144 kV	115 kV	4.5 kJ/kV	31 mm/kV – 36mm/kV

Strike/ Surge Counter specification**EXCOUNT – II (Suitable for use in South Africa)**

General:	
Climatic conditions	Sealed water-tight design IP67
Short-circuit capability	65 kA according to IEC 600099-4
Power supply	Built-in solar cells and field probe
Surge registration:	
Minimum counting threshold (8/20 μ s)	10A
Amplitude classification (8/20 μ s)	11 – 99 A 100 - 999 A 1000 – 4999 A 5000 – 9999A >10000 A
Time stamp:	Yes
Time resolution:	<0.5s
Memory capacity	1000 registrations (wrap-around)
Leakage current measurement:	
Measuring range of total leakage current	0.2 – 12mA _{peak}
Measuring range of resistive leakage current (peak level)	10 - 2000 μ A
Measuring frequency range	48 – 62 Hz

Frequency specification for the following: <ul style="list-style-type: none">• Sensor• Sensor for inverted mounting• Transceiver model 1• Transceiver model 2• External antenna	Confirm with manufacturer the correct frequency options applicable to South Africa
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