



Request for Quotation Document (RFQ)

RFQ Description:	Supply and install of a 3 phase Distribution transformer with overhead line T-off from existing 22kV Overhead line
RFQ No:	AE/QUO69/2021
Closing Date:	04 November 2021

1. KEY DATES AND ACTIVITIES

The table below lists certain key dates and activities relevant from time of publishing of the RFQ up until the closing date for questions:

No	Description	Start Date/ Time
1.	RFQ is published	27.10.2021
2.	Bidders to submit written questions relating to RFQ	27.10.2021
3.	Closing dates for questions	04.11.2021

2. BACKGROUND

Vlakfontein Mine is a coal mine requires a service provider to supply and install a 3-phase distribution transformer at its site, T-off from existing 22kV overhead line.

3. SCOPE OF WORK (SOW)

The scope of work is to T-off from an existing overhead line with 300m line of MV Bare ACSR Mink ungreased with one 11m, 160-179mm Wooden Pole, install and terminate the 3-phase distribution transformer of the below specifications:

ELECTRICAL DATA: Transformer Type: three phase distribution transformer

Rating: 1600 kVA **Cooling:** O.N.A.N **No. of Phases:** three **Vector Group:** Dyn11 **Primary Voltage:** 22000V **Secondary Voltage:** 525 V **Primary current:** 41.99 A **Secondary current:** 1759.54 A **Frequency:** 50Hz **Conductive material:** Cu/Cu MV/LV **Impedance:** SANS 780 5,0-6,5 % **No load loss:** SANS 780 2750 Watts **Load Loss:** SANS 780 13500 Watts **Tapping's HV:** +/- 2,5% & +/- 5% **Temperature Rise:** 60/65 oil/Winding deg C **Ambient:** 40 Max deg C

MECHANICAL DATA: Tank Material : Mild Steel **Tank Type :** Free Breathing **MV Cable Box :** Yes **MV Bushing Type :** Average "C" type (250A, max 24kV) **LV Cable Box :** Yes **LV Bushing Type :** Allbro SD2500 (2500A, max1.1kV) **MV Side Earthing :** Earth Boss **LV Side Earthing :** Earth Boss

ENVIRONMENTAL PROTECTIVE FINISH: Inland

Radiators - Sweep and spray with two coats of Plascon SN154 Red Oxide Primer and two coats of Plascon Synlac 5000 top Coat,

Transformer Tank - Sweep and spray with two coats of Plascon SN154 Red Oxide Primer and two coats of Plascon Synlac 5000 top Coat

FITTINGS & FIXTURES : Bucholz Relay : Yes **Pressure Relief Valve:** No **Thermometer Pocket :** Yes : **Thermometer (Oil) :** Yes : **Oil Gauge :** Yes : **Drain Valve :** Yes : **Oil Filling Pipe :** Yes **Colour:** Avocado Green

4. SUBMISSION

Quotations must be emailed to nomcebox@aemfc.co.za. Suppliers are requested to submit the following documents:

- A certified copy of B-BBEE certificate or Sworn Affidavit for EMEs and QSEs
- Central Supplier Database (CSD) report
- **CIDB Grade 1**

4.1 BOQ for the supply and installation of Transformer

Item	Description	Quantity	Unit price	Price
1	Supply 3 phase distribution transformer	1		
2	Supply fuse links and Terminate 3 phase distribution transformer from to Transformer bushings	1		
3	Supply 300m line of MV Bare ACSR Mink ungreased with one 11m, 160-179mm Wooden Pole and T-off from existing 22kV overhead line with	1		
	Total			

5. EVALUATION CRITERIA

6.1 FUNCTIONALITY- PHASE 1

Minimum threshold value of **70%** should be obtained by the service providers to qualify for the second phase.

EVALUATION CRITERIA	SCORE
1. Experience of the company in supplying and terminating transformers a) More than 3 years' experience in supplying and terminating transformers= 40 b) More than 2 to 3 years' experience in supplying and terminating transformers =30 c) More than 1 to 2 years' experience in supplying and terminating transformers = 20 d) 0 to 1 year experience in supplying and terminating transformers = 10 The onus is on bidders to ensure that Annexure A is correctly filled, and the contact details and email addresses of the references provided are valid, NB the bidder to attach reference letters for each executed jobs, failure to attach reference letters will lead to zero scoring	40
2. Manufacturer delivery/lead time confirmation letter attached a) Transformer delivery within 4 weeks= 30 b) Transformer delivery within 5 to 8 weeks =20 c) Transformer delivery within 9 to 12 weeks = 10 d) Transformer delivery beyond 12 weeks = 5	30

e) No MANUFACTURER letter attached = 0 NB: The onus is on bidders to ensure that the MANUFACTURER delivery/lead time confirmation letter is on the MANUFACTURER letterhead. Failure to supply a MANUFACTURER letter on MANUFACTURER letterhead will score the bidders 0 points.	
3. Bidder to include qualification and a list of resources with relevant skills (Electrician Red seal trade test certificate) a) Bidder included cv's and qualifications= 30 b) No cv's and qualifications included by Bidder =0	30
Minimum Threshold	70
Total Points	100

6.2 PRICE AND B-BBEE – PHASE 2

Price Quotations will be evaluated in accordance with the Preferential Procurement Policy Framework Act (PPPFA), using the 80/20 preference point system, where 80 points will be for price and the remaining 20 will be for B-BBEE Status of Level of contribution.

B-BBEE Status Level of Contribution	Number of Points (80/20)
1	20
2	18
3	14
4	12
5	8
6	6
7	4
8	2
Non-compliant contributor	0

6. THE PRICE QUOTATION

6.1 Quotation to be in Rands.

6.2 Price quoted must include **VAT (If applicable)**.

6.3 The price must be in accordance with the Bill of Quantities (BOQ) provided as Annexure A. (If BOQ is provided by AE remove 4.5)

6.4 Bids will be valid for 60 days.

6.5 Quotation to be submitted in the Company's letter head. (If there is no BOQ provided remove 4.3)

Originator:

Supported by:

Approved by:
