

**CITY OF SPRINGFIELD ELECTRIC DEPARTMENT
1000 CENTRAL AVENUE
SPRINGFIELD, TENNESSEE 37172**

PROPOSAL CONTRACT

TWO (2) 500 KVA PADMOUNT TRANSFORMERS

BID OPENING DATE: May 11, 2016 TIME: 2:00 p.m.

Contents:

- I. Proposal/Bid Preparation**
- II. Base Bid**
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I. PROPOSAL

A. Preparation

BIDDER shall submit two (2) copies of bid proposal in a sealed envelope addressed to:
City Recorder
City of Springfield
405 North Main Street
Springfield, TN 37172

Bids will open at **2:00 p.m., May 11th, 2016**. No telephone or faxed bids will be considered.

B. Pricing

The BIDDER declares that this proposal is made without connection with any other person or persons bidding for the same equipment. Bids shall not contain any unbalanced prices, unauthorized additions, alterations, limitations, conditions, or provisions. Non-Collusion Affidavit and Business Relationships Affidavit must be returned with bid.

BIDDER shall use Page 4 of this document to list all prices, terms, conditions, exceptions, and warranties.

Springfield Electric reserves the right to reject any or all bids.

C. Inspections and Tests

Unless otherwise specified in the contract or purchase order, BIDDER shall be responsible for the performance of all inspection and test requirements necessary to insure compliance with this specification. This action does not preclude subsequent inspection and testing by OWNER to further determine conformance to specification requirements of quality standards of workmanship, material, and construction techniques.

D. Questions

Any questions concerning these specifications should be directed to:

Robert A. Gardner
Electric Utility Director
Springfield Electric Department
1000 Central Avenue
Springfield, Tennessee 37172
(615) 384-6770 ext. 125
(615) 382-1642 (fax)
rgardner@springfield-tn.org

II. BASE BID

Proposal of _____, herein called "BIDDER", to the City of Springfield Electric Department, herein called "OWNER":

That for and in consideration of the mutual agreements and covenants herein contained, the parties agree and bind themselves as set out below:

The BIDDER, in compliance with the invitation to bid for TWO (2) NEW 500 KVA PADMOUNT TRANSFORMERS, having examined the specifications with the related documents, hereby proposes to supply the equipment in accordance with the contract documents, within the time forth therein, at the price stated therein.

This equipment is to be bid by BIDDER as a LUMP SUM BID for all work described in this specification.

BIDDER hereby agrees to furnish equipment under this contract within one hundred twenty (120) calendar days after receipt of order.

Prior to commencement of work, the successful bidder shall be required to provide OWNER the following:

- a. All executed documents related to this project returned to OWNER, and;
- b. Written guarantee of material and workmanship for all work to be performed under this contract including any terms and conditions of guarantee.

ANY EXCEPTIONS OR SUBSTITUTIONS FROM THESE SPECIFICATIONS ARE TO BE NOTED AND EXPLAINED WITH ALL DOCUMENTATION SUPPLIED.

TWO (2) 500 KVA PADMOUNT TRANSFORMERS

Date: May 11, 2016

Time: 2:00 p.m.

Base Bid (cost per unit): \$_____

Options: 1. _____ \$ _____

2. _____ \$ _____

3. _____ \$ _____

4. _____ \$ _____

Total Bid w/Options \$_____

Terms and Length of Warranty/Guarantee:_____

Other Terms and Conditions:_____

Exceptions/Substitutions:

1. _____

2. _____

Notes:

1. Bidder must submit with bid proposal complete specifications, pictures, and literature describing and illustrating the proposed equipment.
2. Include all shipping charges with bid proposal. Pricing shall include delivery to 1000 Central Avenue, Springfield, Tennessee 37172.
3. Sales tax is not to be included. We are a tax-exempt local government agency.
4. Final payment shall be made to successful BIDDER by OWNER within thirty (30) days after:
 - a. Delivery of product, and assembly if applicable, and;
 - b. An affidavit has been submitted to OWNER by BIDDER stating that payment has been made for all labor, materials, and subcontractors under this proposal.
5. BIDDER agrees to be bound by the bid price in this proposal for a period of sixty (60) days from the date of the opening of the bid.
6. The OWNER reserves the right to reject any or all bids, to waive any informality in bids, and to accept in whole or part such bid or bids as may be deemed in the best interest of OWNER.

Signature – BIDDER

Company Name

Address

Telephone No.

Date

_____ SPECIFICATIONS FOLLOW THIS PAGE _____

III. GENERAL SPECIFICATIONS

Two (2) each – Padmount distribution transformer, 500 kVA, 3-phase, 60 HZ, 95 BIL, and average temperature winding rise to 65 degrees C. The transformer shall include the following:

- a. 500 kVA rated
- b. 3-phase, 60 Hz
- c. Self-cooling, OA (Liquid filled)
- d. Primary (High Voltage) rated at 13,200Y/7,620 Volts, Wye-connected with neutral available and taps 2-2½% above and 2-2½% below.
- e. Secondary (Low Voltage) rated at 208Y/120 Volt, Wye-connected with neutral available
- f. Impedance of approximately 5%
- g. Loop feed
- h. Dead front

SPECIAL FEATURES

- a. Internal high-side fuse protection
- b. 200 Amp HV busing wells and inserts
- c. 10-hole blade (supported) LV bushings and neutral
- d. Housing with removable sill and compartment doors

SPECIAL ACCESSORIES

- a. Drain valve with sampler
- b. Diagrammatic stainless steel name plate

MISCELLANEOUS

- a. Unless specified refer to either NEMA or ANSI standards.
- b. One primer and two finish coats of paint to be applied to all exterior metal surfaces.
- c. Manufacturer recommended oil shall be shipped in the transformer and shall be included in the purchase price of the transformer.
- d. Secondary cabinet dimensions to be 30" wide x 30" deep.
- e. Primary cabinet dimensions to be 36" wide x 30" deep.
- f. Color shall be Desert Beige (Federal Spec. #23578)
- g. Specify no-load losses, full-load losses, and impedance for all units.
- h. Quote firm delivery date.

TESTING

Factory tests and checks are to be performed on all materials and equipment furnished. All tests are to be given per ANSI standards, and are to include the following specified tests:

- a. Ratio
- b. Polarity
- c. Core loss
- d. Exciting Current
- e. Applied Potential and Induced Potential
- f. Impulse test
- g. Noise level – to be in accordance with NEMA standards.

DRAWINGS

Vendor shall furnish specifications and general drawings describing and illustrating the proposed equipment within three (3) weeks of receipt of purchase order from SED. Vendor shall provide two (2) copies of drawings for customer approval. Drawings are to include the following:

- a. Transformer shop drawings
- b. Bushing terminal outline
- c. Schematic (s)
- d. Connection diagrams (s)
- e. Name plates
- f. Transformer outline & dimension drawings
- g. Recommended pad dimensions and specifications
- h. General arrangement drawings

IV. WARRANTY

The manufacturer warrants equipment to be good material and workmanship and agrees to promptly replace any part or parts that fail due to defective material and workmanship for minimum period of 12 months from the date unit is placed in service by the City of Springfield. Structural components shall have no less than a five (5) year warranty from the date unit is placed in service by the City of Springfield. Replacement shall be free of charge excluding any deductibles standard to such warranties. Manufacturer's Warranty and any extended warranty options on all equipment shall be submitted with bid.