

**PUBLIC NOTICE**  
**INVITATION TO BID #1243**

The Springfield Electric Department will be accepting sealed bids for:

Pad-Mount Distribution Transformers Three-Phase and Single-Phase

Seven (7) Pad-mounted Distribution Transformers, 50 kVA

Seven (7) Pad-mounted Distribution Transformers, 75 kVA

Six (6) Pad-mounted Distribution Transformers, 100 kVA

Five (5) Pad-mounted Distribution Transformers, 150 kVA

Five (5) Pad-mounted Distribution Transformers, 225 kVA

Specifications and bid requirements may be downloaded at [www.springfieldtn.gov](http://www.springfieldtn.gov). Call Sandy Vallejo at (931) 217-3138 with questions. Please reference **BID NUMBER 1243** on the outside of the sealed envelope. **Sealed** bids must be received in the Office of the City Recorder, 405 N. Main St., Springfield, TN 37172 by 2:30 PM local time, Tuesday, May 2, 2023.

The City reserves the right to reject any or all bids.

Lisa H. Crockett  
City Recorder

**SPECIFICATIONS FOR BID #1243**  
**PAD-MOUNT DISTRIBUTION TRANSFORMERS, SINGLE-PHASE, 240/120v**

Seven (7) ea.,        Conventional Pad-mount Distribution Transformer, 50 kVA, 7,620/13,200 volt grounded-wye primary, 240/120-volt secondary, single-phase, dead front, loop feed, two bushing wells with insert bushings on primary side bayonet fused primary, 4-hole NEMA pads on secondary bushings, penta-head locking bolt, 2 taps 2 ½% above center and 2 taps 2 ½% below center.

N.L. losses \_\_\_\_\_ Watts    F.L. losses \_\_\_\_\_ Watts  
 Impedance \_\_\_\_\_ %        Delivery \_\_\_\_\_ Weeks  
 Unit Cost \$ \_\_\_\_\_

Seven (7) ea.,        Conventional Pad-mount Distribution Transformer, 75kVA, 7,620/13,200 volt grounded-wye primary, 240/120-volt secondary, single-phase, dead front, loop feed, two bushing wells with insert bushings on primary side bayonet fused primary, 4-hole NEMA pads on secondary bushings, penta-head locking bolt, 2 taps 2 ½% above center and 2 taps 2 ½% below center.

N.L. losses \_\_\_\_\_ Watts    F.L. losses \_\_\_\_\_ Watts  
 Impedance \_\_\_\_\_ %        Delivery \_\_\_\_\_ Weeks  
 Unit Cost \$ \_\_\_\_\_

Six (6) ea.,        Conventional Pad-mount Distribution Transformer, 100kVA, 7,620/13,200 volt grounded-wye primary, 240/120-volt secondary, single-phase, dead front, loop feed, two bushing wells with insert bushings on primary side bayonet fused primary, 4-hole NEMA pads on secondary bushings, penta-head locking bolt, 2 taps 2 ½% above center and 2 taps 2 ½% below center.

N.L. losses \_\_\_\_\_ Watts    F.L. losses \_\_\_\_\_ Watts  
 Impedance \_\_\_\_\_ %        Delivery \_\_\_\_\_ Weeks  
 Unit Cost \$ \_\_\_\_\_

**NOTES:**

- **SPECIFY NO-LOAD LOSSES, FULL-LOAD LOSSES AND IMPEDANCE FOR ALL UNITS.**
- **ALL TRANSFORMERS SHALL HAVE kVA, PRIMARY AND SECONDARY VOLTAGES PAINTED ON THE FRONT.**
- **“WARNING” and “NON-PCB” STICKERS TO BE APPLIED AT THE FACTORY**

**SPECIFICATIONS FOR BID #1243  
PAD MOUNT DISTRIBUTION TRANSFORMERS**

**Five (5) each** – Pad mount distribution transformer, **150 kVA**, 3-phase, 60 HZ, 95 BIL, and average temperature winding rise to 65 degrees C. The transformer shall include the following:

- a. **150kVA** 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 standard green
- g. Specify no-load losses, full-load losses, and impedance for all units.
- h. kVA, Primary and Secondary voltages shall be painted on front of transformer.
- i. "Warning" and "Non-PCB" stickers to be applied at factory.

## **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.

**Five (5) each** – Pad mount distribution transformer, **225 kVA**, 3-phase, 60 HZ, 95 BIL, and average temperature winding rise to 65 degrees C. The transformer shall include the following:

- a. **225 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 standard green
- g. Specify no-load losses, full-load losses, and impedance for all units.
- h. kVA, Primary and Secondary voltages shall be painted on front of transformer.
- i. "Warning" and "Non-PCB" stickers to be applied at factory.

## **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.

# IRAN DIVESTMENT ACT NOTICE

Tenn. Code Ann. § 12-12-106 requires the chief procurement officer to publish, using credible information freely available to the public, a list of persons it determines engage in investment activities in Iran, as described in § 12-12-105.

For these purposes, the State intends to use the attached list of “Entities determined to be non-responsive bidders/offerers pursuant to the New York State Iran Divestment Act of 2012.”

While inclusion on this list would make a person ineligible to contract with the state of Tennessee, if a person ceases its engagement in investment activities in Iran, it may be removed from the list.

If you feel as though you have been erroneously included on this list please contact the Central Procurement Office at [CPO.Website@tn.gov](mailto:CPO.Website@tn.gov).

1. Ak Makina, Ltd.
2. Amona
3. Bank Markazi Iran (Central Bank of Iran)
4. Bank Mellat
5. Bank Melli Iran
6. Bank Saderat Iran
7. Bank Sepah
8. Bank Tejarat
9. China Precision Machinery Import- Export Corporation (CPMIEC)
10. ChinaOil (China National United Oil Corporation)
11. China National Offshore Oil Corporation (CNOOC)
12. China National Petroleum Corporation (CNPC)
13. Indian Oil Corporation
14. Kingdream PLC
15. Naftiran Intertrade Co. (NICO)
16. National Iranian Tanker Co. (NITC)
17. Oil and Natural Gas Corporation (ONGC)
18. Oil India, Ltd.
19. Persia International Bank
20. Petroleos de Venezuela (PDVSA Petróleo, SA)
21. PetroChina Co., Ltd.
22. Petronet LNG, Ltd.
23. Sameh Afzar Tajak Co. (SATCO)
24. Shandong FIN CNC Machine Co., Ltd.
25. Sinohydro Co., Ltd.
26. Sinopec Corp. (China Petroleum & Chemical Corporation)
27. SKS Ventures
28. SK Energy Co., Ltd.
29. Som Petrol AS
30. Unipecc (China International United Petroleum & Chemicals Co., Ltd.)
31. Zhuhai Zhenrong Co.

# IRAN DIVESTMENT ACT

“By the submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief that each bidder is not a person included within the list created pursuant to § 12-12-106.”

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Title: \_\_\_\_\_