CITY OF MARTINSVILLE
REQUEST FOR SEALED PROPOSAL
December 3, 2025

Sealed Proposals are accepted until 2:00 p.m. on Tuesday December 30, 2025 by the City of Martinsville to purchase the following items listed in the bid. Sealed Proposals will be received in the office of the Purchasing Manager Zach Morris, Central Warehouse, 990 Fishel Street, Martinsville, Va. 24112-3248. Bids may be hand delivered, mailed, sent by FedEx or UPS to the 990 Fishel Street address. Bids also may be sent by postal mail to the City of Martinsville Purchasing Department, P O Box 1112, Martinsville, Va. 24114-1112. Place "Single/Three Phase Transformers" and the bid opening date in the lower left hand corner of the envelope.

It is the responsibility of the offeror to ensure that their proposal reach the appropriate office prior to the close time on the bid. Response received after the date and closing will be considered non-responsive and will not be opened. Bids will not be accepted via fax machine or internet e-mail.

Quote F.O.B. Martinsville Warehouse, 990 Fishel Street, Martinsville, Va. 24112. Freight prepaid and allowed.

The City has the right to purchase all items from one vendor but reserves the right to purchase from multiple vendors.

NEGOTIATION

In the event the bid from the lowest responsible bidder exceeds available funds, the City may negotiate with the apparent low bidder to obtain a contract price within available funds. The procedures for such negotiations shall be as follows:

a. City, Engineer, and apparent low bidder together will review the project and attempt to find mutually agreeable proposed changes that will effectively reduce the cost of the project.

b. Apparent low bidder will present reasonably documented and substantiated proposed deductions in project cost for each potential project change, which will allow City to evaluate each proposed deduction.

c. The parties will attempt to negotiate and sign a reasonable contract for the entire project, the price of which does not exceed available funds.

Specifications: Three Phase Pad-Mount Transformer
1000KVA 7200/12470 – 120/208

Three Phase Pad Mount Transformer 112.5 KVA 7200/12470 - 277/480

General

All characteristics, definitions, and terminology, except as specifically covered in this specification, shall be in accordance with the latest revision of the following ANSI and NEMA

C57.12.00 IEEE Standard General Requirements for Liquid-Immersed Distribution, Power and Regulating Transformers.

C57.12.26 Pad-Mounted, Compartmental-Type, Self-Cooled Three-Phase Distribution Transformers with Separable Insulated High-Voltage Connections; High-Voltage, 34500GrdY/19900 Volts and Below; Low Voltage 2500 kVA and Smaller-Requirements.

C57.12.28 – Pad-Mounted Equipment – Enclosure Integrity

C57.12.90 – IEEE Standard Test Code for Liquid-Immersed Distribution, Power and Regulating Transformers and IEE Guide for Short-Circuit Testing of Distribution and Power Transformers.

C57.12.91 – Guide for Loading Mineral-Oil-Immersed Overhead and Pad-Mounted Transformers Rated 500 kVA and less with 65 C Average Winding Rise.

C57.91 – Guide for Loading Mineral-Oil-Immersed Overhead and Pad-Mounted Transformers with 65C or 55 Average Winding Rise.

Type: Three Phase 60 Hz, Dead-Front, Oil Insulated, Self-Cooled, Loop Feed, Pad-Mounted Distribution Transformer

Primary Voltage: 12470GrdY/7200 Volt 95 kV BIL

Rated 8.3 kV Phase to Ground

Secondary Voltages: 208/120 volt Grounded Wye, 480/277 volt Grounded Wye, and 240/120 volt Delta

Switches and no-load tap chargers:

i. **Transformer shall be equipped with full capacity high voltage taps. The tap changers shall be clearly marked to reflect that the transformer must be de-energized before operating the tap changers as required by Section 3.2.1 of ANSI C57.12.25.**

ii. **The units shall be configured for four – 2 ½ % taps: 2 above and 2 below rated voltage.**

iii. **Bay-O-Net style removable fuses shall be provided for protection of transformer.**

iv. **To be shipped fused for 12 kV and with 6 spare fuses sized for 12 kV operation stored is transformer cabinet.**

v. **4 position stick operated switch in primary compartment. Positions shall be:**

1- **A Only**
2- **B Only**
3- **A+B**
4- **Off**

Primary bushings:

1. **All units shall be loop feed and dead front. The high voltage bushings shall be externally clamped High temperature Nylon (HPN) bushing wells. These wells shall be removable to allow for field replacement of the bushings without opening the tank.**
2. **ANSI Type 2 bushing configuration.**
3. **A cable accessory parking stand shall be provided and shall be located such that the separable insulated connectors that are designed for operation after the transformer is in place can be operated with hot-line tools.**
4. **200 Amp Load break bushing inserts installed in bushing wells**

Low Voltage bushings and terminals:

1. **The bushings shall be removable to allow for field replacement without opening the tank.**
2. **Secondary bushings to be supplied with removable 6 hole pads installed on threaded studs for connection to ANSI standard secondary connectors.**

Primary and Secondary windings shall be copper.

Tank and terminal compartment:

1. **In addition to the regular locking provisions all access doors or hood shall be secured by a recessed, captive, pentahead bolt that meets the dimensions set forth in RUS Drawing A3759.**
2. **The transformer shall be sealed tank construction of sufficient strength to withstand a pressure of 7 psig without permanent distortion, and 15 psig without rupture or affecting cabinet security.**
3. **Tank shall include a pressure relief device/Internal Fault Detector (IFD) as a means to relieve pressure in excess of pressure resulting from normal operation and indicate an internal fault. The venting and sealing characteristics shall be as follows:**

Cracking pressure 10 psig +/- 2psig

Resealing Pressure 6 psig minimum

Zero leakage from reseal pressure to –8 psig

Flow at 15 psig

4. **Tank coating shall meet all requirements on ANSI C57.28 including**

Salt Spray test

Crosshatch Adhesion Test

Humidity Test

Impact Test

Oil Resistance Test

Ultraviolet Accelerated Weathering Test

Abrasion Resistance – Taber Abraser

5. **The pad-mounted equipment shall meet the requirements for tamper resistance set forth in ANSI C57.12.28 including the pry, pull, test, and wire probe test**

6. **Tank and cabinet shall be low profile design in accordance with ANSI C57.12.26 minimum dimensions.**

7. **KVA rating of transformer shall be clearly printed on the outside of the transformer case with 3 inch minimum height lettering.**

8. **A copy of the name plate shall be attached to the outside of the transformer case**

Testing

All units are subject to routine tests as prescribed in ANSI C57.12.00. In addition, impedance and voltage and load loss tests are considered to be routine.

Qty	Description	Catalog Number	Manufacturer	Unit Price	Extended Price
___	_____	_____	_____	_____	_____
___	_____	_____	_____	_____	_____

___ _____ _____ _____ _____ _____

Total, Conventional $ _____

Acceptable brands are GE, Cooper, ABB, Kuhlman, Ermco, Howard, Central Maloney and Power Partners.

LOSS DATA TO BE COMPLETED BY BIDDER

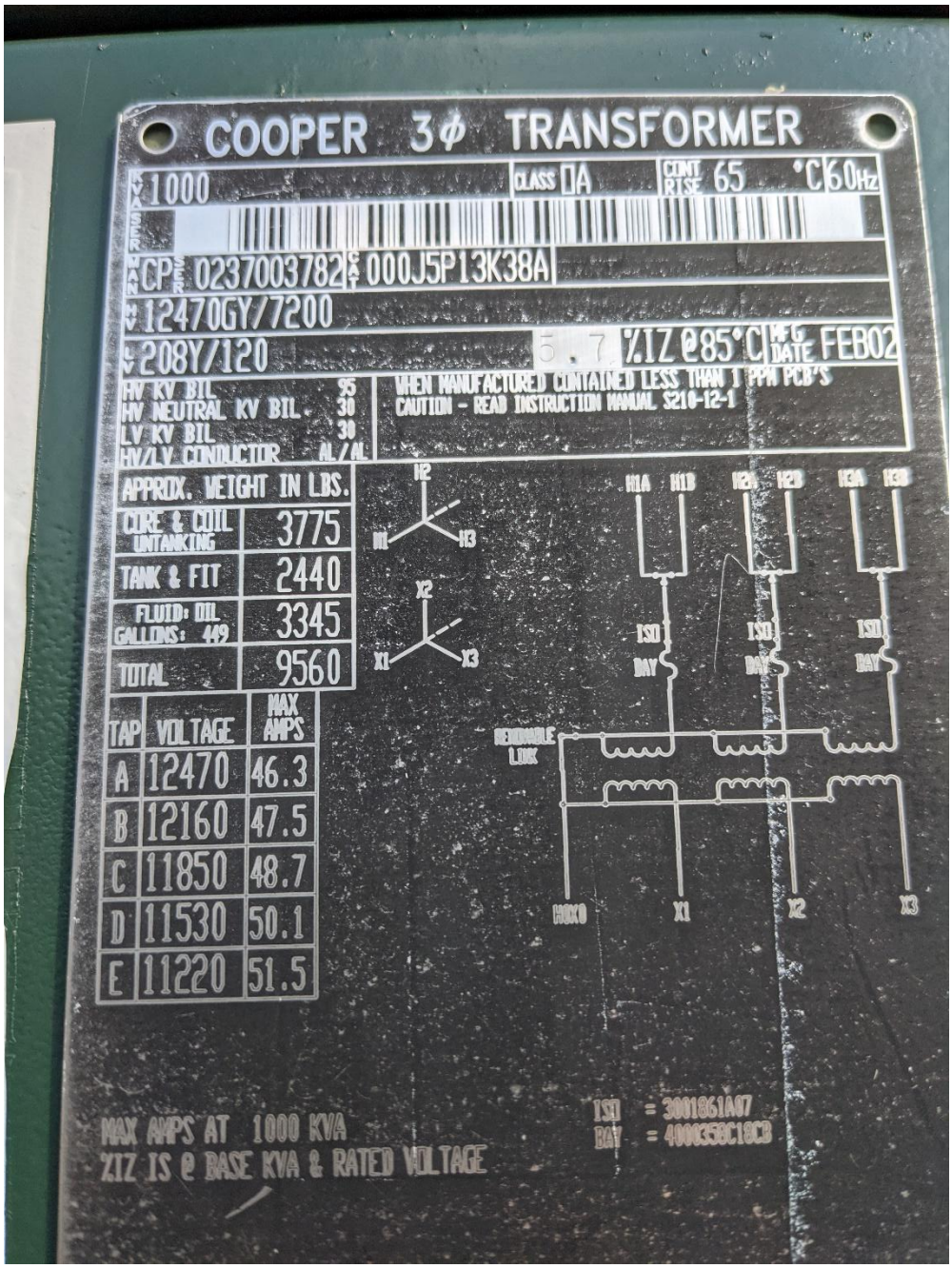
M	KVA	QTY	PP	TNLL In Watts @ 85 C	TLL In Watts @ 85 C	Evaluated Cost
_____	_____	_____	$_____	+ ($3.00 x _____)	+ ($1.00 x _____)	= _____
_____	_____	_____	$_____	+ ($3.00 x _____)	+ ($1.00 x _____)	= _____
_____	_____	_____	$_____	+ ($3.00 x _____)	+ ($1.00 x _____)	= _____

Total Purchase Price $_____

Total Cost of Ownership $ _____

ADDITIONAL COMMENTS, EXPLANATIONS, OR EXCEPTIONS

Manuf.	KVA	% 1X	%Z @ 85 C	Total Losses @ 85 C	Weight
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____


COOPER 3φ TRANSFORMER
1000
CLASS OA
CONT RISE 65 °C 60Hz
CP# 0237003782
000J5P13K38A
12470GY/7200
208Y/120
5.7
%IZ @85°C
MFG DATE FEB02
HV KV BIL 95
HV NEUTRAL KV BIL. 30
LV KV BIL 30
HV/LV CONDUCTOR AL/AL
WHEN MANUFACTURED CONTAINED LESS THAN 1 PPM PCB'S
CAUTION - READ INSTRUCTION MANUAL S216-12-1
APPROX. WEIGHT IN LBS.
CORE & COIL UNTANKING 3775
TANK & FIT 2440
FLUID: OIL GALLONS: 449 3345
TOTAL 9560
TAP VOLTAGE MAX AMPS
A 12470 46.3
B 12160 47.5
C 11850 48.7
D 11530 50.1
E 11220 51.5
H2
H1
H3
X2
X1
X3
H1A H1B H2A H2B H3A H3B
1SD
BAY
REMOVABLE LINK
H0X0
X1
X2
X3
MAX AMPS AT 1000 KVA
%IZ IS @ BASE KVA & RATED VOLTAGE
1SD = 3001861A07
BAY = 4000358C18C8

CITY OF MARTINSVILLE
BID FORM

Please quote the following items:

Quantity:	Unit Price	Total Price
1 - Pad Mounted Transformer 1000 KVA 7200/12470 3 Phase 120/208 Taps must have IFD & External KVA Rating Indicator	$_____	$_____
1 - Pad Mount Transformer 112.5 KVA 7200/12470 3 Phase 277/480 Taps must have IFD & External KVA Ranting Indicator	$_____	$_____

Quote F.O.B Central Warehouse 990 Fishel St. Martinsville, VA 24112. Freight Prepaid & Allowed.

Please List and warranties and lead time _____

_____

Single Phase

Conventional transformers shall be rated 7200/12,470Y – 120/240 volts unless noted otherwise. Transformers shall be furnished with two 2-1/2% full rated taps below rated high voltage and two 2-1/2% full rated taps above rated high voltage; two high voltage cover mounted porcelain bushings with clamp type terminal, low voltage non-porcelain bushings with clamp terminals, clamp type grounding terminal and one set of mounting brackets centered beneath the high voltage bushings.

Transformer BIL shall be 30 KV for secondary terminals and 95 KV for primary terminals.

Transformers shall also be furnished with a stainless steel diagrammatic nameplate and pressure relief device.

Transformers shall have the KVA rating in 2-1/2" high figures stenciled in contrasting colors on two sides of the transformer. One marking shall be located beneath the secondary bushings and the other located diametrically opposite.

Transformer height, excluding primary bushings, shall not exceed 32".

- **Each distribution transformer shall be equipped with a non-resettable device which detects and provides external indication of internal transformer faults. This device also incorporates a pressure relief valve. The approved device is manufactured by IFD Corporation or approved equal.**

Qty	Description	Catalog Number	Manufacturer	Unit Price	Extended Price
___	_____	_____	_____	_____	_____
___	_____	_____	_____	_____	_____
___	_____	_____	_____	_____	_____
___	_____	_____	_____	_____	_____
___	_____	_____	_____	_____	_____

Total, $ _____

Note: The words NON-PCB Less Than 1PPM, must be engraved in the nameplate.

Acceptable brands are GE, Cooper, ABB, Kuhlman, Ermco, Howard, Central Maloney and Power Partners.

LOSS DATA TO BE COMPLETED BY BIDDER

In Watts Evaluated M	KVA	QTY	In Watts PP	TNLL @ 85 C	TLL @ 85 C	Cost
_____	_____	_____	$_____	+ ($3.00 x _____)	+ ($1.00 x _____)	= _____
_____	_____	_____	$_____	+ ($3.00 x _____)	+ ($1.00 x _____)	= _____
_____	_____	_____	$_____	+ ($3.00 x _____)	+ ($1.00 x _____)	= _____
_____	_____	_____	$_____	+ ($3.00 x _____)	+ ($1.00 x _____)	= _____
_____	_____	_____	$_____	+ ($3.00 x _____)	+ ($1.00 x _____)	= _____

Total Purchase Price $_____ **Total Cost of Ownership $ _____**

ADDITIONAL COMMENTS, EXPLANATIONS, OR EXCEPTIONS

Manuf.	KVA	% 1X	%Z @ 85 C	Total Losses @ 85 C	Weight
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CITY OF MARTINSVILLE
BID FORM

Please quote the following items:

Quantity:	Unit Price	Total Price
5- 100 KVA Pad Mounted Transformer 120/240, 7200 Must have IFD & External KVA Rating. Secondary Circuit Connector 6-500	_____	_____
6- 50 KVA Conventional Transformer 120/240, 7200 Must have IFD & External KVA Rating & Tap Changer	_____	_____
5- 75 KVA Conventional Transformer 120/240, 7200 Must have IFD & External KVA Rating & Tap Changer Double Bushings	_____	_____

Total Price: _____

Quote F.O.B Central Warehouse 990 Fishel St. Martinsville, VA 24112. Freight Prepaid & Allowed.

Please List and warranties and lead time _____

_____
Bidder

_____
Title

By_____

_____
Date

_____