



Frankfort Plant Board
Electric

BID INVITATION #1700

ISSUED ON

August 28, 2020

BY

**THE ELECTRIC & WATER PLANT BOARD OF THE
CITY OF FRANKFORT, KENTUCKY**

FOR

Distribution Reclosers

TO BE OPENED ON

September 11, 2020 at 2:00PM

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DISTRIBUTION RECLOSERS

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III. ADVERTISEMENT FOR BID

**The Frankfort Plant Board
305 Hickory Drive
P.O. Box 308
Frankfort, KY 40602**

Sealed Bids for the furnishing of materials with all related appurtenances will be received by the Frankfort Plant Board until 2:00 PM local time, September 11, 2020; and then opened and publicly read aloud.

Specifications may be examined at the following location:

Frankfort Plant Board
Electric Dept.
305 Hickory Drive
Frankfort, KY 40601

No bidder may withdraw his bid for a period of ninety (90) days after closing time scheduled for the receipt of Bids.

The Plant Board reserves the right to waive informalities and to accept or to reject any and all bids.

For Bid Correspondence, contact:

Jennifer Hellard
(502) 352-4422
jhellard@fewpb.com

For Technical Correspondence, contact:

Eli Adamson
(502) 352-4435
eadamson@fewpb.com

IV. INSTRUCTIONS TO BIDDERS

1. SUBMISSION OF BIDS

A. The following certificates or notices are included as a part of this documentation and shall be returned as a part of the bid response package.

- An Equal Employment Opportunity Compliance (EEOC) Certificate
- A General Safety Program (GSP) Notice
- A Drug free Workplace Compliance (DWC)

B. Each bid should be in a SEPARATE SEALED ENVELOPE and have typed on the envelope the INVITATION NUMBER, OPENING DATE, AND TIME. No responsibility will be attached to the Frankfort Electric & Water Plant Board for the premature opening of or failure to open a bid not properly addressed or identified.

Bids must be received in the office of the Frankfort Electric & Water Plant Board, Attn: Jennifer Hellard, 305 Hickory Drive, Frankfort, Kentucky, 40601, in a sealed envelope not later than the time specified for opening of bids, at which time all bids received will be publicly opened and read in the Bid Opening Room. It shall be the Bidder's responsibility that the bids are delivered to the above address no later than the time specified. Bidders are invited to attend public bid openings; also, to review complete bid files after awards have been made.

C. Bids may be rejected unless filled out in ink or typewritten and signed in ink by a proper agent of the firm.

D. Telegraphic bids, facsimile bids, or modifications of bids by telegram are not acceptable.

E. Conditional bids are not acceptable.

F. It is the responsibility of each Bidder before submitting a Bid to:

- Examine the Bid and Contract documents thoroughly.
- Consider federal, state, and local laws and regulations that may affect cost, progress, performance, or furnishing of the work.
- Study and carefully correlate Bidder's observations with the Bidding and Contract documents and notify Owner of all conflicts, errors, and/or the discrepancies.

G. All bids shall remain subject to acceptance for a period of ninety (90) days after the date of the Bid opening.

- H. Retain one complete copy of the bid for your file and return original with your bid.
- I. Bids may be withdrawn at any time prior to opening upon written request by the bidder. Negligence on the part of the bidder in preparing his bid shall not constitute a right to withdraw bid after it has been opened.
- J. Bidders are invited to attend public bid opening; also, to review complete bid files after awards have been made.

2. BID SCHEDULE/SIGNATURE PAGE

- A. Bidders should quote on the basis of a lump sum stated in this invitation.

For discrepancies between figures and written amounts, precedence will be given to the written amounts.

- B. Bids by corporations must be executed in the corporate name by the president or a vice-president (or other corporate officer accompanied by evidence of authority to sign) and the corporate seal must be affixed and attested by the secretary or an assistant secretary. The corporate address and state of incorporation must be shown below the signature.
- C. Bids by partnerships must be executed in the partnership name and signed by a partner, whose title must appear under the signature and the official address of the partnership must be shown below the signature.
- D. All names must be typed or printed below the signature.
- E. The Bid shall contain an acknowledgement of receipt of all Addenda (the numbers of which must be filled in on the Bid Form).
- F. The address, telephone number and contact person for communications regarding the Bid must be shown.

3. QUALIFICATIONS OF BIDDERS

- A. To demonstrate qualifications to perform work, each Bidder must be prepared to submit within five (5) days of Owner's request, written evidence such as financial data; previous experience, present commitments and other such data as may be called for. The Owner may make an investigation as deemed necessary to determine the ability of the Bidder to perform the work, and the Bidder shall furnish to the Owner all such information and data for this purpose, as the Owner may request. The Owner reserves the right to reject any bid if the evidence submitted by, or investigation of, such Bidder fails to satisfy the Owner that such Bidder is properly qualified to carry out the obligations of the Contract and to complete the work contemplated therein.

4. AWARD OF BID

- A. The Owner reserves the right to reject any and all Bids and to waive informalities or minor defects. Any Bid may be withdrawn prior to the above scheduled time for the opening of Bids or authorized postponement thereof. Any Bid received after the time and date specified shall not be considered. No Bidder may withdraw a bid within 90 days after the actual date of opening thereof. Should there be reasons why the contract cannot be awarded within the specified period; the time may be extended by mutual agreement between the Owner and the Bidder. In the event that the lowest responsive and responsible bid is within the Owner's budget, the Contract will be awarded to the lowest responsive and responsible Bidder which, in the Owners sole and absolute judgment, will best serve the interest of the Owner.
- B. In determining the lowest responsive and responsible Bidder, the following elements, including but not limited to, will be considered: (1) lowest price, (2) if the Bidder has a satisfactory performance record, (3) if the Bidder has a suitable financial status to meet obligations incidental to the work, (4) if the Bidder involved maintains a permanent place of business, (5) if the Bidder has adequate personnel and equipment to perform the work properly within the time allotted, (6) number of and acceptability by the Owner of any and all proposed Subcontractors, (7) the completeness and regularity of the Bid Schedule and (8) time schedule of delivery. In addition, the Owner may consider in making the determination, (1) the selection of equipment (or materials), (2) alternate equipment (or materials), and (3) deductions or other modifications listed in the Bid Schedule.

INSURANCE SHIPPING

All prices quoted shall be on a delivered prepaid basis F.O.B. destination including insurance of the goods in an amount equal to their value.

V. GENERAL CONDITIONS

The information contained within the "General Conditions" portion of this document applies to all items in this bid document. The specifics will follow and will describe in detail the items to be bid.

A. Data to Accompany Bid:

1. Include two (2) copies of the Manufacturer's equipment specification data that includes all electrical and mechanical parameters, including but not limited too:
 - a. Routine testing procedure
 - b. General arrangement and dimensional data
 - c. Listing of supplied accessories
 - d. Conditions of sale and warranty data

B. EVALUATION OF BIDS:

Bids will be evaluated on the parameters as set forth in this specification.

C. CORRESPONDENCE:

1. Address all general correspondence and bid information to the Purchasing Agent:

Jennifer Hellard, Purchasing Agent
Frankfort Electric and Water Plant Board
P.O. Box 308
Frankfort, Kentucky 40602
jhellard@fewpb.com

2. Address all technical correspondence, drawings, test data, approvals, etc. to the Engineer:

Eli Adamson
Electrical Engineer
Frankfort Electric and Water Plant Board
P.O. Box 308
Frankfort, Kentucky 40602
eadamson@fewpb.com

3. Provide the Purchasing Agent and the Engineer with the appropriate contact personnel for correspondence.

D. DELIVERY & IDENTIFICATION:

1. All equipment, materials, drawings packing slips and other items associated with this bid, shall be identified at a minimum with:

INVITATION NO.1700
Frankfort Electric and Water Plant Board
Frankfort, Kentucky 40601

2. All equipment and materials to be supplied under this bid shall be delivered to:

Frankfort Electric and Water Plant Board
305 Hickory Drive
Frankfort, Kentucky 40601
Between 7:30AM to 3:00 PM M-F

3. Arrange, pay for, and coordinate the shipping and handling of all equipment and materials, to the point of delivery.
4. Notify Purchasing Agent at least 15 days prior to each shipment and include a description of the equipment being shipped, method of shipment, expected delivery date and shipping weight.
5. Failure to provide proper delivery notification, as herein requested, and results in an expense to be incurred by the Frankfort Electric and Water Plant Board will be charged to the bidder.
6. **All** items shall be clearly **marked externally** and have a packing slip identifying the contents.

E. SHOP DRAWINGS:

1. Approval drawings shall consist of (but not limited too) outline drawing, elevation drawings, wiring diagram, nameplate drawings, part details, anchor bolts (if applicable) and, erection diagrams.
2. Manufacturer shall check all drawings for accuracy and conformance to the specifications prior to submittal.
3. Provide two (2) sets of shop drawings to the Engineer. Following review, one set will be returned marked as follows: approved as submitted or approved with changes. Drawings normally will be returned within 15 days following receipt.

4. Engineer's approval in no way eliminates the manufacturer from His responsibility to adhere to acceptable engineering practice, applicable codes, national standards, these specifications and recognized construction procedures.

F. INFORMATION FOR THE ENGINEER:

1. Mail one complete set of instructions and maintenance manuals on CD in Word document, Adobe pdf, or Autocad formats as appropriate, to the Engineer within 60 days of receipt of the approval drawings. These shall consist of revisions resulting from the return of ; approval drawings, outline drawing, wiring diagrams, nameplate drawings, instructions, part details, anchor bolts template(if applicable) installation instructions, bill of materials including catalog numbers and manufacturers' name for all equipment, shop fabrication details, and configuration drawing showing size and weight.

2. One additional set of hardcopy instruction and maintenance manuals shall be mailed separately and prior to shipment of the equipment.

3. One additional set of hardcopy instruction and maintenance manuals shall be included with the equipment.

4. A total of three (3) sets of instruction and maintenance manuals are requested (one CD electronic version and two hardcopy paper versions).

5. Within 30 days following shipment provide one hard copy of certified test reports, per each piece of equipment ordered, which defines the tests and lists the test results signed by the Manufacturer's registered Engineer. Also, provide one, CD with all drawings in Autocad format, test results, part details, instructions, bill of materials and other information having to do with the construction, repair, operation, connection, and spare parts of the equipment being supplied. All documents are to be provided in Microsoft Word or Adobe pdf.

G. TESTING:

1. The recloser shall be designed, tested, and built in accordance with IEEE C37.60 for overhead circuit reclosers.

2. The Engineer shall be immediately notified of any damage occurring during construction of the equipment specified here within and all tests that do not meet specified or standard values. The purchaser shall be permitted, at his option, to personally inspect such damage and or test failures.

3. We reserve the option to conduct a site visit to witness any testing and final quality control check out. Therefore, we request that the Engineer be notified of scheduled activities far enough in advance to make arrangements to attend the testing.

4. Manufacturer shall design, manufacture and test all equipment in accordance with these specifications and the applicable sections of the latest revisions or editions of the following:

- a. Institute of Electrical and Electronics Engineers (IEEE)
- b. National Electrical Safety Code (NESC)
- c. American Institute of Steel Construction (AISC)
- d. American Welding Society (AWS)
- e. American Society of Testing and Materials (ASTM)
- f. National Electrical Manufacturers Association (NEMA)

VI. SPECIFICATIONS

DISTRIBUTION RECLOSER

OVERHEAD DISTRIBUTION RECLOSER

A. GENERAL CHARACTERISTICS

1. General purpose, overhead distribution recloser for triple-single operation. Recloser shall be magnetically actuated with the ability to operate each phase individually. Application will be for overhead pole mount application.
2. Recloser shall be furnished for operation on the following system parameters:
 - a. nominal line-to-line voltage: 13.8kV
 - b. number of phases: 3
 - c. frequency: 60 hertz
 - d. system connections: GROUNDED WYE

B. ELECTRICAL CHARACTERISTICS

- | | |
|---|----------|
| 1. Rated maximum voltage: | 15.5kV |
| 2. Withstand test voltage: | 110kV |
| 3. Rated continuous current: | 800 amps |
| 4. Maximum symmetrical interrupting capability: | 12.5kA |

C. MECHANICAL CHARACTERISTICS

1. The operating mechanism shall consist of a magnetic actuator for opening and closing of vacuum interrupters. Magnetic actuator shall be powered by capacitors located in the control enclosure.
2. Actuators shall be enclosed within a sealed, air insulated enclosure.
3. Recloser shall be capable of three modes of operation:
 - a. Single phase trip / single phase lockout
 - b. Single phase trip / three phase lockout
 - c. Three phase trip / three phase lockout
4. Provide Open/Close indicators for each phase on the bottom of the device. Position indicators shall be clearly visible from the ground when the device is pole mounted.

5. All necessary equipment for pole mounting shall be provided including center mount type brackets.
6. Provide mechanical pull to trip/lockout handles for each individual phase. Handles shall be aluminum and hookstick operable.
7. Provide grounding provisions on the main tank and control cabinet.
8. Provide clamp style aerial lugs.
9. Provide lifting eyes for the main tank of the unit.
10. Ship unit assembled to minimize field assembly.

D. OPERATING MECHANISM AND AUXILIARIES

1. Unit shall be powered by user supplied 120 VAC source.
2. When AC power is not present, open/close operation shall be provided through control cabinet batteries.

E. BUSHING TRANSFORMERS

1. Current transformers and voltage sensors shall be mounted and wired when the unit shipped.
2. Provide three (3) line side voltage sensors and three (3) load side voltage sensors.

F. RELAYS

1. Relay shall be Schweitzer Engineering Laboratories (SEL) model 651-R.
2. Provide relay vertically mounted in a single door, painted steel enclosure.
3. Include a 35' control cable. Cable shall be single phase trip cable.
4. Include the following communication ports:
 - a. (3) EIA-232
 - b. (1) 10/100Base-T
5. Power supply to relay will be 120 VAC.
6. Include with control cabinet a 12V, 16Ahr battery.
7. Include configurable labels.
8. Include with control cabinet a factory installed SEL-2401 satellite clock.

VII. BID

DISTRIBUTION RECLOSER

ITEM #	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
1	3	Distribution Recloser Meeting Specifications on pages 11-12 MANUFACTURER_____		
		GRAND TOTAL		

GRAND TOTAL \$ _____

DELIVERY TIME: _____

SIGNED BY: _____

FIRM: _____

ADDRESS: _____

TELEPHONE NUMBER: () _____

FAX NUMBER: () _____

E-MAIL ADDRESS: _____

DATE: _____

VIII. EQUAL EMPLOYMENT OPPORTUNITY

COMPLIANCE CERTIFICATE

- A.** Has your company filed the required Employer Information Report, EEO-1 (Standard Form 100) with the Secretary of Labor's Joint Reporting Committee for the prior period ending March 31?

YES

NO

If your answer to Question A above is "NO", check the following appropriate reasons for not filing:

1. Employ less than one hundred people company-wide.
2. Have specific exemption from Secretary of Labor as provided in Section 20 of Executive Order 11246, as amended.

Within Thirty (30) days after receipt of any order from the **Frankfort Electric and Water Plant Board** and prior to each March 31 thereafter, during the performance of work under said order, the undersigned firm agrees to file Standard Form 100, entitled "Equal Employment Opportunity Information Report EEO-1" in accordance with instructions contained therein, unless such firm has either filed such report within twelve months preceding the date of the award or is not otherwise required by law or regulations to file such a report.

- B.** In consideration of the undersigned being placed in the **Frankfort Electric and Water Plant Board's** "Supplier Document" for the year ending March 31 next, the undersigned certifies that he does not and will not maintain or provide for his employees any segregated facilities at any of his establishments and that he does not and will not permit his employees to perform their services at any location under his control where segregated facilities are maintained. The undersigned agrees that a breach of this certification is a violation of the Equal Opportunity Clause in any subcontract, contract, purchase order, or agreement that the undersigned may receive from the **Frankfort Electric and Water Plant Board**.

As used in this certification, the term "Segregated facilities" means any waiting room, work areas, rest room, and washrooms, restaurants and other eating areas, time clocks, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated on the basis of race, creed, color or national origin, because of habit, local custom or otherwise.

The undersigned further agrees that he will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity Clause; that he will retain such certification in his files and that he will forward the following notice to his proposed subcontractors (except when the proposed subcontractors have submitted identical certification for specific time periods).

CONTRACTOR (SELLER/SUPPLIER): _____

MAILING ADDRESS: _____

CITY: _____ *STATE:* _____

*Authorized Representative's
NAME (PRINT OR TYPE):* _____

Authorized Representative TITLE: _____

Dated Signature of Authorized Representative: _____

IX. NOTICE TO PROSPECTIVE CONTRACTORS OF REQUIREMENT OF GENERAL SAFETY PROGRAM

The Frankfort Plant Board requires that all contractors operate in compliance with standards set forth by federal, state, and local regulatory agencies, including but not limited to the Occupational Safety and Health Administration, Environmental Protection Agency and Department of Transportation. To comply with the regulations set forth by these agencies it is necessary for each contractor to operate under an established safety program pertaining to the contractor's specific line of business.

The primary goal of a safety program is to protect the health and safety of employees and the public. Our goals are also to conserve and protect property and the environment. **IT IS OUR ABSOLUTE CONVICTION THAT:**

- This is a moral responsibility of each firm and worker involved.
- Safe and healthful work is more efficient, effective and inseparable from how we perform our work.
- Accidents and injuries are unnecessary costs

We accomplish work which is free from accident and injury by providing vigorous leadership that is visible through the organization.

How well we conduct our work in a hazard-free manner, according to the direction provided, is a key factor in our performance for which we are each accountable.

There are certain basic elements that are incorporated into the safety program:

- Effective management leadership from each contractor;
- Organization of a **General Safety Program**;
- On-site supervisor with authority to carry out their responsibilities including suspension of work to correct unsafe conditions;
- Proper training and supervision; and
- Employee participation

Does your organization operate under an established safety program that is in compliance with all applicable federal, state and local regulations and does this program embody the philosophies described above?

YES

NO

CONTRACTOR (SELLER/SUPPLIER): _____

MAILING ADDRESS: _____

CITY: _____ *STATE:* _____

*Authorized Representative's
NAME (PRINT OR TYPE):* _____

Authorized Representative TITLE: _____

Dated Signature of Authorized Representative: _____

X. DRUGFREE WORKPLACE COMPLIANCE CERTIFICATE

PLEASE SIGN BELOW TO INDICATE: 1) Contractor is in compliance with any applicable local, state or federal laws concerning mandatory Drug and Alcohol Testing Programs; and 2) AS a term of any contract, the Contractor agrees to comply with any such drug and/or alcohol testing that may be required by law.

CONTRACTOR (SELLER/SUPPLIER): _____

MAILING ADDRESS: _____

CITY: _____ *STATE:* _____

*Authorized Representative's
NAME (PRINT OR TYPE):* _____

Authorized Representative TITLE: _____

Dated Signature of Authorized Representative: _____