REQUEST FOR QUOTES (RFQ)

ELECTRONIC FUEL INJECTOR ASSEMBLIES

RFQ ISSUED: January 16, 2020

QUESTIONS DUE: January 24, 2020 at 10:00 A.M. EST

QUOTES DUE: January 31, 2020 at 10:00 A.M. EST

Submit Quotes To:
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www.vre.org
1. PURPOSE/BACKGROUND

A. INTRODUCTION

Virginia Railway Express (VRE) is soliciting Quotes to establish a firm-fixed unit price Purchase Order with one (1) qualified and experienced Contractor to deliver thirty-two (32) electronic fuel injector assemblies.

B. VRE BACKGROUND

1. VRE is a commuter rail service linking the District of Columbia and Northern Virginia. The Northern Virginia Transportation Commission (NVTC) and the Potomac and Rappahannock Transportation Commission (PRTC) are transportation districts established under Virginia law and jointly own this service. An Operations Board consisting of members from each of the jurisdictions within the VRE service area governs the development and operation of VRE and serves as an advisory board to the NVTC and PRTC governing boards. Use of the term VRE in this RFQ refers to NVTC and PRTC.

2. VRE began operations in 1992 and carries an average of approximately 19,000 weekday trips on two (2) lines. In January 2014, VRE’s Operations Board adopted System Plan 2040 which calls for expansion of service, requiring the addition of railcars, expansion of station and maintenance and storage facilities, as well as expanding operations to meet the goal of doubling ridership by 2040. VRE’s multi-prong program addresses short term growth needs, as well as longer term capacity improvements and investments in maintaining and servicing VRE’s equipment and facilities.

3. The primary mission of VRE is to provide commuter-oriented passenger rail service between the outlying suburbs and the Washington-Arlington-Alexandria urban core. Some tourists and “day-trippers” also ride the trains. The service is heavily oriented towards the core area in the morning peak and in the opposite direction in the evening peak.
2. SUBMISSION OF QUESTIONS

A. DEADLINE

1. All questions and requests for clarification regarding the meaning or interpretation of this RFQ and other solicitation documents, or any ambiguities, discrepancies, inconsistencies, or conflicts in or between any of the technical, pricing, or contractual provisions, must be submitted no later than the date and time specified on Page 1 of this RFQ. Questions and clarifications requested after such time will not be answered unless VRE elects, in its sole discretion, to do so.

2. Any interpretation of a question made by VRE will be in the form of an addendum to the RFQ. Questions and responses will be posted on VRE’s website at www.vre.org/about/procurement for all interested Contractors.

B. FORMAT FOR QUESTIONS

Questions must be submitted to VRE in writing via electronic mail to the email address listed on Page 1 of this RFQ. No questions or requests for additional information, clarification or any other communication should be directed to any other individual.

C. VRE POINT OF CONTACT

VRE’s Manager of Warehouse & Inventory Control will be the point of contact following award of a Purchase Order.

D. NO ORAL COMMUNICATION WILL BE ACCEPTED

VRE will not be bound by any oral communications, written interpretations or clarifications that are not set forth in an addendum to the RFQ.
3. GENERAL CONDITIONS FOR QUOTERS

A. BRAND NAME OR EQUAL

1. If items called for by this RFQ have been identified in the scope of work or technical specifications by a “brand name or equal” description, such identification is intended to be descriptive, but not restrictive, and to indicate the quality and characteristics of products that will be satisfactory. (As used in this clause, the term "brand name" includes identification of products by make or model.)

2. A Quoter quoting "equal" products will be considered for award if such products are clearly identified and are determined by VRE to be equal in performance and all material respects to the brand name products referenced.

3. If submitting a Quote for proposed “equal products,” the Quoter must provide the manufacturer, brand or trade name, and part/catalog number of the item offered.

B. DESCRIPTIVE LITERATURE

1. The Quoter shall clearly and specifically identify the product being offered in ATACHMENT 1 – QUOTE FORM even if quoting the exact brand name, make or manufacturer specified.

2. The Quoter shall provide sufficient descriptive literature, technical detail, etc. only if the product being offered is other than what is specified herein, to enable VRE to determine if the product offered meets the requirements of the solicitation.
4. SCOPE OF WORK

A. PROJECT BACKGROUND AND OVERVIEW

1. VRE’s fleet of MP36PH-3C locomotives are currently equipped with electronic fuel injector assemblies manufactured by Progress Rail (formerly Electro-Motive Diesel (EMD)).

2. The fuel injector assemblies are designed to fit an Environmental Protection Agency (EPA) Tier 2 emission compliant 16-645F3B-T2A diesel engine.

B. GENERAL REQUIREMENTS

1. The electronic fuel injector assemblies shall adhere to all applicable requirements of the current editions of the following:
   i. 49 CFR 229, Railroad Locomotive Safety Standards;
   ii. 49 CFR 238, Passenger Equipment Safety Standards; and
   iii. 40 CFR Parts 85, 89, and 92, Emission Standards for Locomotives and Locomotive Engines.

2. VRE will be responsible for installation of the Electronic Fuel Injector Assemblies furnished by the Contractor.

3. In the performance of this Purchase Order, the Contractor shall comply with ATTACHMENT 2 – GENERAL PROVISIONS.

4. The electronic fuel injector assemblies shall be new, not remanufactured, overhauled or an exchanged core unit, and shall meet the criteria set forth in ATTACHMENT 3 - MOTIVEPOWER, INC. (MPI) MP36PH-3C DIESEL LOCOMOTIVE MAINTENANCE MANUAL.

5. The Contractor shall deliver electronic fuel injector assemblies for MP36PH-3C locomotives, EMD Part Number 40112933 or approved equal, for a core unit exchange.

6. The electronic fuel injector assemblies shall maintain the EPA Tier 2 certified emissions performance standards.

7. The electronic fuel injector assemblies shall be accompanied by nameplates providing injector timing information, serial number and part number.
C. PRODUCT SPECIFICATIONS AND SALIENT CHARACTERISTICS

1. The Contractor shall deliver Electronic Fuel Injector Assemblies to fit an MPI 16-645F3B-T2A diesel engine assembly installed in a MP36PH-3C locomotive using Grade 2 diesel fuel.

2. Each injector model shall have two (2) fuel line connections. One (1) line shall receive fuel from the fuel manifold and the other shall return excess fuel to the tank by the return line of the fuel manifold.

3. Each injector model shall have internal plungers actuated by the engine camshaft and rocker arm mechanisms to pressurize and atomize the diesel fuel.

4. Metering and timing of each injector model shall be controlled by a Heinzmann Electronic Fuel Injector Controller Model No. MVC01-20, which communicates with a QES-III Microprocessor Control.

5. Each injector model shall have a unique serial number permanently stamped on the injector solenoid.

6. Each injector model shall have a calibration code stamped near the serial number on the injector solenoid. The calibration code will be entered in the Heinzmann Electronic Fuel Injector Controller by VRE. VRE will adjust the injector’s solenoid operation and poppet valve closure duration to compensate for mechanical tolerances which differ for each injector.

7. Each injector shall facilitate the ability to perform a “click” test using the Heinzmann Electronic Fuel Injector Controller via the QES-III Microprocessor. The “click” test shall be used when the engine is not running and shall verify the injector’s solenoid can close the poppet valve that allows fuel to be pressurized and injected during normal engine operation.

8. The Electronic Fuel Injector Assemblies shall comply with all EPA regulations, including those required for Tier 2 emissions compliance, as well as recommendations set forth by the Original Equipment Manufacturer (OEM) for fuel savings and smoke reduction.

D. SHIPPING AND DELIVERY

1. Within thirty (30) consecutive calendar days from the date the Purchase Order is signed, the Contractor shall deliver thirty-two (32) Electronic Fuel Injector Assemblies to VRE at the following location:

   VRE Crossroads Maintenance and Storage Facility
   9400 Crossroads Parkway
   Fredericksburg, VA 22408
2. Deliveries shall be made between the hours of 9:00 A.M. and 4:00 P.M. Eastern Time, Monday through Friday.

3. Within thirty (30) calendar days of receipt of each Electronic Fuel Injector Assembly from the Contractor, VRE will provide a corresponding core to the Contractor. The cost associated with shipping each core to the Contractor is the sole responsibility of VRE.

4. If the delivery of parts is not met by the Contractor as specified above, the order may be cancelled by VRE.

5. A written shipping release shall be obtained from VRE before shipping any parts.

6. The Contractor shall prepare its own packing list to accompany each delivery. The packing list shall identify the part numbers and quantity shipped.

7. Upon receipt of the parts, a VRE representative must sign the packing list. The signed packing list shall be included with each corresponding invoice submitted to VRE for payment.

8. Shipments shall be FOB Destination. Therefore, any damage incurred in shipping the parts to VRE is the sole responsibility of the Contractor.
5. SPECIAL TERMS AND CONDITIONS

A. TERM

The Purchase Order shall be valid for thirty (30) calendar days.

B. DELIVERY SCHEDULE

1. The Contractor shall deliver thirty-two (32) Electronic Fuel Injector Assemblies within thirty (30) calendar days of receipt of the signed Purchase Order.

2. Any deviation or delay from the established schedule must be presented to VRE in writing for approval.

C. GENERAL PROVISIONS

The Contractor shall comply with ATTACHMENT 2 – VRE GENERAL PROVISIONS, as applicable to the Scope of Work.

D. MODIFICATION OF THE SCOPE OF WORK

VRE reserves the right to modify the Scope of Work at its discretion when it is in the best interest of VRE. See Clause 15. CHANGES of the General Provisions.

E. QUOTE ACCEPTANCE PERIOD

The Quote and any modification thereof shall be binding upon the Quoter for ninety (90) calendar days following the Quote closing date. Any Quote in which the Quoter shortens the acceptance period shall be rejected, although the acceptance period may be extended by mutual agreement between VRE and the Quoter. At the end of the Quote acceptance period, the Quoter may withdraw its Quote by giving written notice to VRE.
6. INSURANCE

A. CERTIFICATE OF INSURANCE

1. By signing and submitting a Quote under this solicitation, the Contractor certifies if issued the Purchase Order, the Contractor will have the insurance coverage identified and described in ATTACHMENT 4 – VRE INSURANCE COVERAGE REQUIREMENTS FOR SMALL PURCHASE OF GOODS/SERVICES.

2. The Contractor shall furnish VRE proof of compliance with these insurance requirements in the form of an original Certificate of Insurance signed by an authorized representative or agent of the insurance company(ies). The Certificate of Insurance must be furnished within three (3) calendar days of request by VRE.

3. Failure to provide the Certificate(s) when required may be cause for VRE to issue a Purchase Order to the next responsive Contractor. However, in no event shall work be performed until the required Certificate(s) of Insurance have been furnished and approved by VRE.
7. INVOICES

A. INVOICES

1. Invoices shall be submitted by the Contractor for services/goods ordered, delivered, and accepted by VRE.

2. Invoices shall be submitted via VRE’s electronic mailbox or US mail.

3. It is preferred that invoices be submitted electronically in one (1) continuous electronic copy in PDF to mechanicalinvoices@vre.org.

4. Hard copy invoices may be mailed to:

   Virginia Railway Express
   1500 King Street, Suite 202
   Alexandria, VA 22314-2730
   Attn: Mechanical Operations Specialist

5. The VRE Project Manager shall be indicated on the invoice cover sheet.

6. At a minimum, invoices shall contain the following information:

   a. Name, address and telephone number of the Contractor

   b. VRE Purchase Order Number/VRE MicroMain Purchase Order Number

   c. Invoice number and invoice date

   d. Date of delivery

   e. Description, quantity and part/model/item number for each part delivered

   f. Total invoice amount

7. If invoices fail to meet all of the above requirements, they will not be processed for payment and will result in the invoice being returned to the Contractor for correction and resubmission. VRE may request additional substantiating documentation as necessary.

B. PAYMENT

Payment will be made on a per order basis upon receipt and acceptance by VRE.
8. PRICE INFORMATION

Quoters are strongly encouraged to read this section carefully. INCOMPLETE QUOTES WILL BE AUTOMATICALLY DISQUALIFIED

A. The price information must be submitted in ATTACHMENT 1 – QUOTE FORM included herein.

B. The price shall be quoted in U.S. Dollars.

C. The unit price shall be inclusive of shipping and delivery charges, FOB Destination.

D. Quotes shall be inclusive of all costs and shall include full compensation for all taxes, fees, shipping/delivery charges, materials, equipment, tools, transportation, labor, insurance, permits, overhead and profit, etc. necessary to complete the work in conformance with the Scope of Work and to the satisfaction of VRE. Extra charges will not be allowed.

E. The prices, without exception shall be net, not subject to discount, and shall include all royalties and costs arising from patents, trademarks, and copyrights in any way involved in the work.

F. No erasures or other handwritten changes may appear on the Quote Form.
9. ATTACHMENTS

The following documents are incorporated in this Request for Quotes and the resulting Purchase Order by this reference.

A. Attachment 1 – Quote Form

B. Attachment 2 – VRE General Provisions

C. Attachment 3 – MotivePower, Inc. MP36PH-3C Diesel Locomotive Maintenance Manual

D. Attachment 4 – VRE Insurance Coverage Requirements for Small Purchase of Goods/Services