Request For Quotation

To Messer's :

Attention :

RFQ Number: EA/03-18-2025

RFQ Date: 19-Mar-2025

RFQ Deadline: 31-Mar-2025

Etisalat Afghanistan invites quotes for **Supply of Diesel Fuel Testing Machine** he Quotation is to be submitted by email, and the email subject is mentioned clearly. **The RFQ No. and name of tender.**

No	Item Description	Unit	QTY	Item- Price		Remarks
				Unit Price	Total Price	
1	Supply of Standard Diesel Fuel Testing Machine (specifications are as per the Annxure-A)	No	1			
Total Cost ==========						

1- Instructions to Bidders :-

i) Price shall be quoted in **Afghani/USD currency** only .

ii) Price Shall be final and valid for 60 days from the date of submission of Quotes

iii) The prices shall be inclusive of Afghanistan Government's taxes as stated below:
a) For delivery of Goods and Service: 2% WHT tax is for registered firms/local companies with Trade License and 7% for non registered firms/International Companies.

iv) Bidders should submit their hardcopy of quotation to Etisalat Reception desk, Main office and via email to **mhsalimee@etisalat.af** and it is better to be sent at the last day of the deadline.

v) Vendors are free to submit their quotations in any format, However the Pricing sheet shall remain as is , The instructions shall be signed and attached to proposal

vi) Etisalat Afghanistan will apply penalty on delay beyond the delivery date as per its rules **i.e. 1% of the total value of PO per week for first week and 2% for second week, maximam up to 10% value of PO.**

2- Vendor Eligibility Terms & Conditions & Requirements

i) Certificate Or Letter of Authorized reseller to be attached with Quotation, **if available**

ii) Technology/ Technical/ ICT Services Sector/Operation Type Valid Business License (AISA or MOCI), **if applicable**

3- Payment Terms

ii) No advance Payment shall be allowed unless the vendor can provide Bank Guarantee for the advance amount.

4- Warranty ….

Warranty duration is ----------.

5- Delivery ….

Delivery of goods and services shall be within ……..Weeks from the date of issue of PO/LoA

6- Delay in Delivery

For Late delivery , EA will deduct Penalty from the invoice

Bidder should be registered with Etisalat Afghanistan in Vendor Registration List. If any interested bidder is not registered, first they should register their company before tender deadline and submission of bid. Bidder offer will not be considered without registration process.

I/We have read the instructions and all the above mentioned conditions and accept these . Prices are mentioned in the table of prices .
Signature :……..
Name And Position of signing person ……..
Firm/Supplier Name: ……..
(Stamp of company)
NOTE:
1 -Vendor quotations will not be accepted unless all requested information has been provided and the quotation is signed & stamped.

Contact Details:
Name: Hamid Salimee/Coordinator Procurement & Contract
Email and Phone: mhsalimee@etisalat.af / 0093 (0) 781201167

Annexure-A

SoW for Diesel Fuel Testing Machines Etisalat Afghanistan

Objective:
To procure diesel fuel testing machines for Etisalat Afghanistan that meet international standards and the specific requirements of various diesel fuel specifications available in the Afghan market.

Requirements:

1. **Testing Capabilities:**
    - The diesel fuel testing machines must be capable of testing all types of diesel fuel available in the Afghan market, including but not limited to Turkmenistan L-62, L-61 and other relevant specifications.
2. **Standard Compliance:**
    - The equipment must accurately perform standard checks for fuel characteristics with 100% accuracy across specified standard ranges.
3. **Ready for Use:**
    - The machines must be complete, fully assembled, and ready for operation upon delivery (plug-and-play).
4. **Result Display and Printing:**
    - The machines must be equipped to display test results on-screen, for all below requires tests.
        - Flash Point Temperature
        - Freezing Point Temperature
        - Cloud Point Temperature
        - Cetane Number and Index
        - Copper Corrosion
        - Density
        - Distillation Results 50%, 90% & 96%
        - Distillation Residue
        - Kinematic Viscosity
        - Sulfur Content
        - Cloud Point

        - Water Content

    - Additionally, the machines must print results. **Machines that need visual analysis for results are not acceptable**. Results shown on machine screens should be printable.

5. **Certification:**
    - All testing machines must be high quality and certified according to international standards relevant to diesel fuel testing.

6. **Installation:**
    - The bidder is required to supply and install the machines in the EA lab and ensure they are fully operational before handing them over to the EA team.
7. **Training:**
    - The bidder must conduct onsite training sessions and arrange factory training for Etisalat Afghanistan staff focusing on the operation and maintenance of the machines.
8. **Technical Support:**
    - The bidder is required to provide ongoing technical support to Etisalat Afghanistan for any maintenance, spare parts, or repairs that may be necessary.

Testing Standards Required:

The machines must be capable of conducting the following tests, adhering to the specified ASTM standards:

- Copper Corrosion (ASTM 130)
- Density (ASTM 1298/4052)
- Distillation (50%, 90% & 96%) (ASTM D86)
- Distillation Residue (ASTM D86)
- Cetane Number (ASTM D 613)
- Cetane Index (ASTM D 976)
- Flash Point (ASTM D 93)
- Kinematic Viscosity (ASTM D 445)

- Sulfur Content (ASTM D 2622)
- Cloud Point (ASTM D 2500)
- Freezing Point (ASTM D 4939)
- Water Content (ASTM D 2709)

The bidder must comply with all the specified requirements and deliver high-quality equipment and support services.

Brief Description of the Tests

1. **Copper Corrosion (ASTM 130)**: This test evaluates the corrosiveness of diesel fuel on copper alloy materials. A copper strip is immersed in the fuel and the degree of corrosion is assessed to ensure that the fuel will not harm fuel system components.
2. **Density (ASTM 1298/4052)**: This test measures the mass per unit volume of the diesel fuel. Density can affect combustion properties and engine performance, making this a critical parameter for quality control.
3. **Distillation (50%, 90% & 96%) (ASTM D86)**: This procedure determines the temperatures at which specific fractions of diesel fuel vaporize, providing insights into the volatility and boiling range of the fuel. It helps assess fuel performance characteristics.
4. **Distillation Residue (ASTM D86)**: This test measures the amount of residue left after the distillation process, which can indicate the presence of heavier components that may affect engine operation and emissions.
5. **Cetane Number (ASTM D 613)**: Reflects the ignition quality of diesel fuel; a higher cetane number indicates better ignition properties. This is important for engine starting, smooth operation, and overall efficiency.
6. **Cetane Index (ASTM D 976)**: An estimation of the cetane number based on density and distillation data, providing a quick reference that helps evaluate fuel quality when cetane number testing is impractical.
7. **Flash Point (ASTM D 93)**: This test determines the lowest temperature at which vapors from the diesel fuel can ignite in the air. It's crucial for assessing the fuel's safety and handling characteristics.
8. **Kinematic Viscosity (ASTM D 445)**: Measures the flow characteristics of diesel fuel at a specified temperature. Viscosity affects fuel injection, atomization, and combustion efficiency.

9. **Sulfur Content (ASTM D 2622)**: Analyzes the amount of sulfur present in the fuel, which is important for compliance with environmental regulations. High sulfur content can lead to increased emissions and engine wear.
10. **Cloud Point (ASTM D 2500)**: Determines the temperature at which wax crystals begin to form in the fuel, impacting their performance in cold weather. This helps assess cold flow properties.
11. **Freezing Point (ASTM D 4939)**: Measures the temperature at which fuel becomes solid or loses its flow characteristics. It is vital for ensuring fuel operability in low-temperature environments.
12. **Water Content (ASTM D 2709)**: Tests for water present in diesel fuel, which is critical for preventing corrosion, microbial growth, and other issues that could affect fuel quality and engine performance.