



INVITATION FOR SEALED BID

TAC #273A

Description: Transformer Oil Analysis

Department: PUBLIC WORKS

NIGP Commodity Code(s): 961-48-00-00-000-0

Total pages including this page is 13

NO FAXED BIDS WILL BE ACCEPTED

Important Instruction – Read Carefully:

If you have obtained these bid specifications from either of:

City of Tulsa's Fax-on-Demand (918-596-1171) or

City of Tulsa's Web-site : www.cityoftulsapurchasing.org

you must notify the buyer Darlene Donica of your intent to bid by e-mail ddonica@ci.tulsa.ok.us in order to receive addenda. The buyer will always acknowledge your e-mail for your records. All addenda will be posted on fax-on-demand and the web-site.

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Pay special attention to those pages with a reference to the following notes:

Note #1: Signature of authorized agent required

Note #2: Signature of an authorized agent and notarized required

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Your bid response should follow the same format listed above plus any additional format requested in the body of the bid invitation.

**INVITATION FOR SEALED BIDS
TO
City of Tulsa**

200 CIVIC CENTER, ROOM 109, TULSA, OKLAHOMA 74103

Bid number and date of bid opening must appear on the lower
left outside corner of bid envelopes and all related containers.

DATE OF OPENING: March 7, 2002

BID NUMBER: TAC 273A

**BID MUST BE IN THE CITY CLERK'S OFFICE AT THE ABOVE ADDRESS BY 5:00 P.M. THE DAY
PRECEDING THE "DATE OF OPENING" SHOWN ABOVE.**

BIDS WILL BE OPENED AT 8:30 A.M. IN THE CITY COUNCIL ROOM ON THE DAY SPECIFIED UNDER "DATE OF OPENING."

PUBLISHED IN THE TULSA DAILY COMMERCE AND LEGAL NEWS: February 22, 2002

Bid must be accompanied by bidder's bond, cashier's check or certified check in the amount of: NONE

PLEASE READ TERMS AND CONDITIONS ON THE NEXT PAGE BEFORE COMPLETING BID DOCUMENTS

DARLENE DONICA 918-596-7558

THE FOLLOWING SECTION MUST BE COMPLETED BY BIDDER

Delivery will be made in not more than _____ days after receipt of order.

Payment terms _____ % _____ days.

City of Tulsa may increase quantity of order at the unit price bid for _____ days. (Bidder to Specify Days) I have examined the terms and specifications and the instructions to bidders herein and agree, provided I am awarded a contract, to provide the above described items for the sum shown in accordance with the terms and specifications stated herein. All deviations are in writing and attached hereto.

Enclosed is a BID BOND ; CASHIER'S CHECK; Certified Check in the amount of \$ _____, which I agree the City of Tulsa may retain as liquidated damages in the event of my failure to comply with the terms of this bid.

MUST BE SIGNED BY AUTHORIZED AGENT TO BE VALID

FIRM NAME _____ by _____
(Signature)

STREET _____ TITLE _____

CITY STATE _____ ZIP CODE _____ PHONE NUMBER _____ DATE _____

GENERAL TERMS AND CONDITIONS OF BIDS

THESE ITEMS APPLY TO AND BECOME A PART OF THE BID.

NO EXCEPTIONS TO THESE TERMS & CONDITIONS WILL BE CONSIDERED.

1. **BIDS MUST BE SUBMITTED ON THIS FORM ONLY INCLUDING A SIGNATURE OF AN AUTHORIZED AGENT.** Each bid shall be placed in a separate envelope. Be sure envelope is completely and properly identified and sealed, showing the bid number and date in the lower left hand corner. Bids must be time stamped in the office of the City Clerk by 5:00 P.M. on the day before date of opening.
2. No bidder may withdraw his proposal for a period of thirty (30) days after the date and hour set for the opening of bids.
3. All prices shall be quoted F.O.B. Tulsa, Oklahoma, and delivery to City of Tulsa location shall be without additional charge.
4. The bidder shall attach the manufacturer's name of the equipment or material to be furnished, type, model numbers, manufacturer's descriptive bulletins and specifications. All guarantees and warranties should be clearly stated. This data shall be in sufficient detail to describe accurately the equipment or material to be furnished. Manufacturer's specifications, in respect to the successful bidder, shall be considered as part of his contract with the City of Tulsa.
5. The bidder shall show in the proposal both the unit prices and total amount, where required, of each item listed. In the event of error or discrepancy in the mathematics, the unit prices shall prevail.
6. Any exceptions or deviations from written specifications shall be shown in writing and attached to the bid form.
7. Each bidder agrees to comply with the terms of Title 5, Chapter 1, of Tulsa, Oklahoma Charter and revised ordinances relating to equal employment opportunity.
8. **THE ENCLOSED FORMS REGARDING NON-COLLUSION AND FINANCIAL INTEREST MUST BE SIGNED, NOTARIZED, AND RETURNED WITH THE BID.**
9. The City of Tulsa reserves the right to reject any and all bids, to waive any technicalities in the bidding, and to award each item to different bidders or all items to a single bidder.
10. All bids must be accompanied by bidders bond, cash, certified or cashier's check in the amount shown on the face of the bid form. This amount shall be retained by the City of Tulsa as liquidated damages in the event the successful bidder (or bidders) fails to execute a contract, if required. The bidder agrees that said amount is presumed to be the damages sustained by the City due to the impracticability and extreme difficulty in fixing the actual damages. The office of the City Clerk will return the bid deposits to the unsuccessful bidders, after a contract has been awarded or all bids have been rejected.
11. In the event cash discounts are offered by the bidder, the discount date shall begin with the date of invoice, the date of receipt of all material covered by the purchase order, or the date of receipt by the City of Tulsa of the original copy of the purchase order with properly executed Affidavit of Claimant, whichever is the later date.
12. Direct purchase of certain items of equipment or material by the City of Tulsa are exempt from Federal Excise Tax and Oklahoma Sales Tax. In such cases the bidder shall quote prices which do not include Federal Excise Tax and Oklahoma Sales Tax. The City of Tulsa will furnish executed exemption certificates upon presentation by the bidder at the time of purchase.
13. Bid must show number of days required for delivery under normal conditions. Failure to state delivery time obligates bidder to complete delivery in fourteen (14) calendar days. Unrealistically short or long delivery promises may cause bid to be disregarded. Contractor must keep Purchasing Department advised at all times of status of order. Default in promised delivery or failure to meet specifications authorizes the Purchasing Agent to purchase supplies elsewhere and charge full increase of cost and handling to defaulting contractor. Consistent failure to meet delivery promises without valid reason may cause removal from bid list.
14. Bidder agrees to defend and save City of Tulsa from and against all demands, claims, suits, costs, expenses, damages and judgments based upon infringement of any patent relating to goods specified in this order or the ordinary use or operation of such goods by City or use or operation of such goods in accordance with bidders direction.
15. If the bid requires a written contract, the successful bidder shall execute a written contract with the City of Tulsa and return the required bonds and insurance certificates within ten (10) days after submission of contracts to said bidder by the City.

INTEREST AFFIDAVIT

STATE OF _____ }
 } ss
COUNTY OF _____ }

_____, of lawful age, being first duly sworn, states that s(he) is the agent authorized by the bidder to submit the attached bid. Affiant further states that no officer or employee of the City of Tulsa either directly or indirectly, owns a twenty-five percent (25%) interest in the bidder's business or such a percentage which constitutes a controlling interest. Affiant further states that the following officers and/or employees of the City of Tulsa have some direct or indirect interest in the bidder's business:

By _____
(Signature)

(Title)

Subscribed and sworn to before me this _____ day of _____, 20_____.

NOTARY PUBLIC SIGNATURE

My Commission Expires:

The Interest Affidavit must be completed, signed by an authorized agent, and notarized.

BIDDER AFFIDAVIT - TITLE 74 O.S. (1974 SUPP.) 85.22-85.25

_____, of lawful age, being first duly sworn on oath says
Authorized Agent

1. (s)he is the duly authorized agent of _____, the bidder submitting the competitive bid which is attached to this statement, for the purpose of certifying the facts pertaining to the existence of collusion among bidders and between bidders and municipal officials or employees, as well as facts pertaining to the giving or offering of things of value to government personnel in return for special consideration in the letting of any contract pursuant to the bid to which this statement is attached.
2. (s)he is fully aware of the facts and circumstances surrounding the making of the bid to which this statement is attached and has been personally and directly involved in the proceedings leading to the submission of such bid; and
3. neither the bidder nor anyone subject to the bidder's direction or control has been a party;
 - a. to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding,
 - b. to any collusion with any municipal official or employee as to quantity, quality or price in the prospective contract, or as to any other terms of such prospective contract, nor
 - c. in any discussions between bidders and any municipal official concerning exchange of money or other thing of value for special consideration in the letting of a contract.

SIGNATURE OF AUTHORIZED AGENT

Subscribed and sworn to before me this _____ day of _____, 20_____.

Signature of Notary Public

MY COMMISSION EXPIRES

The Bidder Affidavit must be completed, signed by an authorized agent, and notarized.

CONTRACTOR/BIDDER INFORMATION SHEET
To be completed by all Bidders

**For Contracts with the City of Tulsa
(Please print or type)**

Project No. or Description _____

Full Name of Bidder _____

Legal Identity
(Corporation, Partnership,
Individual, etc.) _____

Address _____

Telephone No. _____

FAX No. _____

Taxpayer Identification Number _____

Contact Person _____

Phone No. _____

Fax No. _____

E-mail address _____

Webpage Address _____

Price Sheet Summary

Vendor Name: _____ Signature: _____
 Date: _____

You will be able to obtain a copy of the Bid Summary on the City of Tulsa's Purchase-Net Fax-on-Demand and Website shortly after bid opening.

TAC 273A

<u>Item #</u>	<u>Description</u>	<u>Req. Cost</u>
1.	Acid Number	ASTM D974 \$ _____
2.	ASTM Color	ASTM D1500 \$ _____
3.	Dielectric, KV Breakdown	ASTM D877 \$ _____
4.	Dissolved Gas Analysis	ASTM D3612 \$ _____
5.	Inhibitor Content	ASTM D2668 \$ _____
6.	Interfacial Tension	ASTM D971 \$ _____
7.	Metal in Oil	SW846-3031 \$ _____
	Or	SW846-3051 \$ _____
8.	Moisture, Karl Fisher	ASTM D1533 \$ _____
9.	PCB in Oil	SW846-9079 \$ _____
10.	Specific Gravity	ASTM D1298 \$ _____
11.	Sediment	ASTM D1698 \$ _____
12.	Viscosity	ASTM D445 \$ _____
13.	Visual	ASTM D1524 \$ _____

Emergency Cost

Acid Number	ASTM D974	\$ _____
ASTM Color	ASTM D1500	\$ _____
Dielectric, KV Breakdown	ASTM D877	\$ _____
Dissolved Gas Analysis	ASTM D3612	\$ _____
Inhibitor Content	ASTM D2668	\$ _____
Interfacial Tension	ASTM D971	\$ _____
Metal in Oil	SW846-3031	\$ _____
	Or	SW846-3051 \$ _____
Moisture, Karl Fisher	ASTM D1533	\$ _____
PCB in Oil	SW846-9079	\$ _____
Specific Gravity	ASTM D1298	\$ _____
Sediment	ASTM D1698	\$ _____
Viscosity	ASTM D445	\$ _____
Visual	ASTM D1524	\$ _____

After-Hour Cost

Acid Number	ASTM D974	\$ _____
ASTM Color	ASTM D1500	\$ _____
Dielectric, KV Breakdown	ASTM D877	\$ _____
Dissolved Gas Analysis	ASTM D3612	\$ _____
Inhibitor Content	ASTM D2668	\$ _____
Interfacial Tension	ASTM D971	\$ _____
Metal in Oil	SW846-3031	\$ _____
	Or SW846-3051	\$ _____
Moisture, Karl Fisher	ASTM D1533	\$ _____
PCB in Oil	SW846-9079	\$ _____
Specific Gravity	ASTM D1298	\$ _____
Sediment	ASTM D1698	\$ _____
Viscosity	ASTM D445	\$ _____
Visual	ASTM D1524	\$ _____

Holiday Cost

Acid Number	ASTM D974	\$ _____
ASTM Color	ASTM D1500	\$ _____
Dielectric, KV Breakdown	ASTM D877	\$ _____
Dissolved Gas Analysis	ASTM D3612	\$ _____
Inhibitor Content	ASTM D2668	\$ _____
Interfacial Tension	ASTM D971	\$ _____
Metal in Oil	SW846-3031	\$ _____
	Or SW846-3051	\$ _____
Moisture, Karl Fisher	ASTM D1533	\$ _____
PCB in Oil	SW846-9079	\$ _____
Specific Gravity	ASTM D1298	\$ _____
Sediment	ASTM D1698	\$ _____
Viscosity	ASTM D445	\$ _____
Visual	ASTM D1524	\$ _____

For Technical Information please contact: Kerry Rowland @596-9847

**TAC 273A
TRANSFORMER OIL ANALYSIS
PUBLIC WORKS DEPARTMENT**

INTENT:

To obtain service for the Analyzing Transformer Oil used in the operation of City of Tulsa owned transformers for the Water Supply Systems Section.

CONTRACT TIME:

The terms of the contract shall be for a period of one year beginning from the date of written authorization to proceed. The contract shall be renewable, with the consent of both parties, for two successive one year periods.

PRICE ADJUSTMENT OPTION:

The price paid for a service shall not change during the term of this contract. However, if the bidder anticipates that it will not be able to maintain firm prices for any renewal period, a change in price may be allowed in a renewal of this contract if the following criteria are met:

- 1) The bidder must include **a formula with bid proposal** to calculate a change in price at the time of renewal. The formula must be reasonable, objective and capable of measurement.
- 2) The contractor notifies the city, in writing, no later than 30 days prior to the expiration of the initial contract period, or any renewal period, of its intent to decrease or increase prices under the contract. The notice shall include a calculation of the price increase or decrease requested including the formula used.

EXPERIENCE:

The bidders must have a minimum of five years experience and must be certified to perform the requested testing and analysis. Each bidder must submit with the formal bid proposal a copy of the certification authorizing them to perform these services.

ANALYSIS:

Acid Number	ASTM D974
ASTM Color	ASTM D1500
Dielectric, KV Breakdown	ASTM D877
Dissolved Gas Analysis	ASTM D3612
Inhibitor Content	ASTM D2668
Interfacial Tension	ASTM D971
Metal in Oil	SW846-3031 or SW846-3051
Moisture, Karl Fisher	ASTM D1533
PCB in Oil	SW846-9079
Specific Gravity	ASTM D1298
Sediment	ASTM D1698
Viscosity	ASTM D445
Visual	ASTM D1524

Amount of Combustible Gases

Components of Oil:

Hydrogen (H₂)
Methane (CH₄)
Ethylene (C₂H₄)
Ethane (C₂H₆)
Acetylene (C₂H₂)
Carbon Monoxide (CO)
Carbon Dioxide (CO₂)
Oxygen (O₂)
Nitrogen (N₂)

Categories for previous and current condition of oil for comparison.

Once the oil analysis has been completed, the laboratory must submit a written report to the City of Tulsa Water Supply section (707 S. Houston #414 Tulsa, OK 74127).

The report must contain:

1. Chain of Custody
2. Location of Transformer Equipment
3. Sample Bottle Number and/or Other Laboratory Identification Number
4. Date Collected and Analyzed
5. Name of individual who took sample
6. Lab Contact person
7. Sample Results with Quality Control Data

If results indicate a problem with the transformer oil the laboratory need to provide a short written analysis suggesting possible causes for the problem.

SAMPLING:

The successful laboratory will provide the City of Tulsa personnel a sampling kit with shipping container and instructions on how to sample and handle transformer oil. The instructions must include volume of sample required, storage, identification, and personal safety. City personnel will collect samples and deliver them to the successful laboratory's location.

BID ITEMS:

Bidders must provide prices of all items requested in the "Analysis" section of this specification. Any charges or provisions anticipated by the bidder and not shown in these specifications must be called out and included in the bid proposal.

Prices should be included for **emergency**, **after-hour**, and **holiday analysis**

The contract laboratory must comply with all applicable governmental laws and regulations.

ADDENDA AND INTERPRETATIONS:

If it becomes necessary to revise any part of this bid, a written addendum will be provided to all the bidders. The City of Tulsa is not bound by any oral representations, clarifications, or changes made in the written specifications by City of Tulsa employees unless such clarification or change is provided to bidders in written addendum form from the Purchasing Division.

AWARD OF BID:

The bid shall be awarded to the firm whose proposal is responsive to the bid and is most advantageous to the City, considering the factors identified in the bid and Section 406E of Title 6, The Purchasing Ordinance set forth below:

406E. AWARD OF CONTRACT

1. Authority in the Mayor. The Mayor shall have the authority to award contracts within the purview of this chapter.
2. Lowest Secure Bidder. Contracts shall be awarded to the lowest secure bidder meeting specifications. Bid Specifications may include a point system for evaluating the lowest secure bid. In determining "lowest secure bidder", in addition to price, the following factors shall be considered:
 - a. The ability, capacity and skill of the bidder to perform the contract or provide the service required;
 - b. whether the bidder can perform the contract or provide the service promptly or within the time specified, without delay or interference;

- c. the character, integrity, reputation, judgment, experience and efficiency of the bidder;
- d. the quality of performance of previous contracts or services;
- e. the previous and existing compliance by the bidder with laws and ordinances relating to the contract or service;
- f. the sufficiency of the financial resources and ability of the bidder to perform the contract or provide the service;
- g. the quality, availability and adaptability of the supplies or contractual services to the particular use required;
- h. the ability of the bidder to provide future maintenance and service for the use of the subject of the contract;