

ICAR-NATIONAL RESEARCH CENTRE ON EQUINES
SIRSA ROAD HISAR – 125 001

F. No.: 10-219/S&P/18-19

Dated: 27.11.2018

Terms and Conditions for submission of online bids for Photometer for Semen Analysis


1. Online Quotations/tenders are invited from the registered manufacturer firms/their authorized dealer etc. for supply of the following good/goods mentioned below or goods as per list attached to the ICAR-NRCE, Hisar.
2. Interested eligible bidders are requested to submit their quotations through E-procurement portal website <https://eprocure.gov.in/eprocure/app> alongwith all necessary documents as per terms and conditions laid down below. The quotation letter is also available on Institutes website <http://www.nrce.gov.in>. The tender can be uploaded/submitted by 19.12.2018 upto 11.00 AM and the tender will be opened on 20.12.2018 at 11.00 AM.
3. The Director, NRCE, Hisar reserves the right to accept or reject all or any of the quotation in part or full.
4. An earnest money of Rs.4000/- (Rupees four thousand only) must be deposited in the form of demand draft/pay order drawn in favour of **ICAR UNIT NRCE, Hisar** payable at **HISAR** on any Nationalized Bank. The EMD with details should be submitted to the quotation inviting authority on or before last date and time of online bid submission. The EMD of those firms, who does not qualify will be returned within short period.

| Sr. No. | Particulars/ Name of Equipment | Quantity |
|---------|---|----------|
| 1. | Photometer for Semen Analysis_as per Specification enclosed | 1 Nos. |

5. The delivery of goods shall be F.O.R. EPC, NRCE, Bikaner. The firm should clearly mention the delivery period, which normally should not be more than 60 days from the date of issue of order contract. In case of imported items, the delivery schedule will be 90 days from the date of issue of office order.
6. Quotations should be inclusive of all packing and other forwarding expense freight insurance charges. The firms should give the rates of items per unit also. The prices quoted shall remain firm & fixed during their currency of the contract. The rates and prices quoted shall be in Indian rupees only. All duties, taxes etc. payable by the supplied shall be included in the quoted prices.
7. Complete descriptions, specifications and make of all the goods/items quoted should be given. Printed literature/pamphlets should be sent with the quotations, failing which the same may not be considered.
8. The purchaser will evaluate and compare the quotation which are substantially responsive i.e. which are properly prepared and signed and meet the required terms and conditions, specifications etc. The purchaser will award the contract to the supplier whose quotation will be determined to be response and offers the best evaluated price.

9. Successful quoter/bidder has to deposit 10% amount of the total cost of the equipment as Performance Security money in the form of DD/BG/FDR in favour of ICAR UNIT NRCE, Hisar etc.
10. The payment of goods is to be made on completion of satisfactory supply and installation. The supplier will have to send supply challans and delivery notes along with the supply and bill in triplicate indicating clearly the purchase Order No. date and other details of supply, while quoting the rate(s) of items the following information invariable be made available.
 - I. Quotation shall remain valid for acceptance or a period of not less than 90 days after the specified date of opening of the order.
 - II. The firms on whom the supply order is placed within the period of acceptance of the offer will be required to execute the supply within a specified period from the date of issue of the supply order. If the supplier fails to delivery any or all of goods. The purchase shall without prejudice to its other reminds under the contract deduct from the contract price as liquidated damages a sum equivalent to 0.5% of the delivery price of the delayed goods for each week of delay. The maximum limit of such deduction will be of 10% of service contract price. Once the maximum is reach the purchase will consider termination of the contract automatically. If the same have not been terminated already.
 - III. With regards to sales tax. Please quote-specific rate of sales tax and surcharge on sales tax etc. with a certificate that the GST/VAT charged have not been exempted under the S. Tax Act. Rules and the amount charges on this account are correct.
11. If the firm does not mention percentage of GST/Vat/Service Charges/Other Charges etc. it would be assumed that the rates include all these and subsequently no request for charging them as extra will be entertained in this regard.
12. A supplier shall not submit more than one quotation for the same goods. The authorize firm/dealer submit quotation/tender along-with authorization letter from manufacturer firm, otherwise bid will not be entertained and rejected straightway.
13. The Quotation/tender enquiry is also available in our Centre's website www.nrce.gov.in
14. The firm should invariably mention the registration No. of firm, GST/ST No. etc., failing which quotation may not be considered.
15. All the disputes/litigation, if any will be subjected to Hisar jurisdiction only.
16. The minimum period of warranty/Guarantee shall be minimum 12 months from the date of installation/commissioning.
17. You are also requested to return this original tender enquiry (all the pages) at it is, duly signed on every page for our record. Dealer may submit the authorization letter otherwise quotation will be rejected.

Yours faithfully


Assistant Administration Officer (P)

Photometer for semen analysis

The Equipment should be pre calibrated / Standardized for the calculation of Dilution rate and number of doses to be prepared can be immediately ascertained for equine semen

The equipment should conform to the following technical Specifications:


- Factory Pre-Calibrated with Quadratic Equation.
- Should be Equipped with didymium filter and self calibrate its wavelength each time it is turned ON.
- Should perform an auto test of all optics and electronics upon each boot up sequence with systematic printout with date and time.
- Permanent real time display of absorbance and wavelength.
- Concentration & Simultaneous display of concentration and absorption.
- Concentration Calculation – Absorption, concentration, extender volume to be added and number of doses to be prepared should be calculated, displayed
- Photometer should perform minimum 10-20 readings per sample and calculate the average result.
- The result should be expressed according to a second-degree regression curve, making the concentration readings more accurate in comparison to a first-degree equation, which has the tendency to under estimate low concentrations and over estimate high concentrations.
- Provision of use of calibrated filters to test the repeatability of the unit. Mean, Average, and variance of 4 measurements should be calculated for each filter.
- Should have integrated program, which calculates & displays required volume of extender to be added and the number of straws that can be produced per ejaculate (for medium or mini straws) according to the concentration of spermatozoa you want in each straw.
- Easy tubing installation, easy cleaning system by an adapted program.
- Memory – Minimum 50 Performance test memories
- Band Pass - < 10 nm (Nanometer)
- Accuracy – ± 1.5 nm
- Repeatability - ± 1 nm
- Photometric range - 400 to 700 nm
- Power Supply-Adaptable to use 230-250V/50Hz AC power supply.

SYRINGE PUMP SPECIFICATION:

| | |
|--------------|--|
| Accuracy | : $\pm 1\%$ |
| Precision | : $\pm 0.2\%$ |
| Power Rating | : 24 VDC, 2.5A |
| Dimensions | : 7 x 5.5 x 10.5 inch (177.8 x 139.7 x 266.7 mm) |
| Weight | : 12-15 lbs |

CONTROLLER Features:

- * Touch Screen
- * Screen tits for viewing comfort
- * Advance SD card


CHANDRA RAO JALURU
Babu, AL 103
EP. Bikan

Technical Specification of controller:

| | |
|-------------------|--|
| Screen Size | : 5-6 inch |
| Screen Resolution | : 600-650 (H) x 400-500 (V) pixels |
| Tilts Positions | : 5 -6 positions from 90° to flat |
| Mounting Options | : On top of the Syringe pump, Bench Top, or Wall mount |
| Weight | : 1.5-2.5 lbs |

- Manufacturer should give demo/training for the operation of the instrument and installation
- One year warranty including onsite training & installation. The company should have experience of installing successfully for which necessary documents must be attached.
- CMC for the equipment will be for min 2 years

A handwritten signature in black ink, appearing to be 'D. S. Rao', is located at the bottom right of the page.