

Department of Archaeology, University of Kerala
Kariavattom, Thiruvananthapuram

TENDER –Pl.A1 No. 2912/ARC/17

Dated 01.06.2017

E-Tender Notice

Department of Archaeology, University of Kerala, Kariavattom invites open tender through e-Procurement (two cover system) from the Original Equipment Manufacturers or their Authorised Dealers for the **Supply and Installation of Routine Polarising Microscope**

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| Last date and time for submission of tender online | 17.06.2017 AT 5.30 PM |
| Last date and time for submission of tender offline | 17.06.2017 AT 5.30 PM |
| Date and time of opening of tender | 22.06.2017 AT 11 AM |
| Hard copies of the sealed tenders to be submitted to the office of | The Registrar, University of Kerala,Senate House campus, Palayam Trivandrum- 695 034, e-mail: regrku@gmail.com |
| For technical details contact | The Head, Department of Archaeology, University of Kerala, Kariavattom campus, Kariavattom P. O., Trivandrum- 695581, Kerala. Phone: 09426536305, Email:rajeshkeraliyan@yahoo.co.in |

For further details logon to www.etenders.kerala.gov.in

TECHNICAL SPECIFICATIONS

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| 5 | Routine Polarising Microscope | |
| 1.0. | Polarising Microscope | The specification covers minimum requirement and guidelines for Polarising Microscope with camera system |
| 1 | STAND | Stand with low position coaxial coarse and calibrated fine focus control with tension adjustment and safety focus stop unit |
| 2 | NOSEPIECE | Quintuple |
| 3 | ILLUMINATION | 30W Halogen illumination or more for bright and homogeneous illumination |
| 4 | STAGE | Rotatable stage 360degree centre adjustable with graduated in 1 degree increaments |
| 5 | XY ATTACHMENT | Attachable mechanical stage for XY movement 40 X 40 mm |
| 6 | OBJECTIVES | 4x/0.18 |
| | | 10x/0.25 |
| | | 40x/0.65 spring loaded |
| | | 60x/0.85 spring loaded or 50x |
| 7 | EYEPIECES | Pair of Wide field 10x |
| 8 | POLARISER | Swing out Polariser 360 degree |
| 9 | ANALYSER | Rotatable 0 to 90 degree |
| 10 | COMPENSATORS | First order red , $\frac{1}{4}$ wavelength , Quartz wedge |
| 11 | BERTRAND LEND | Swing in and out of Optical Path |
| 12 | OBSERVATION TUBE | Trinocular Tube with diopter adjustment and 360 degree rotatable |
| 13 | SPARES | Wide field eyepiece with crosshair & two bulbs 30w |
| 2.0 | DEDICATED DIGITAL CAMERA FOR MICROSCOPY WITH CONTROL SOFTWARE AND IMAGE ANALYSIS SOFTWARE | The microscope , camera , software should be from the same company |
| 2.1 | SENSOR | Superior CCD Sensor |
| 2.2 | RESOLUTION | 8.0 Mega Pixel or more |
| 2.3 | SPEED | 20FPS or more |
| 2.4 | C- MOUNT | 0.45X adapter or more for having full size live imaging |
| 2.5 | SOFTWARE | A dedicated software for image control , |

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| | | acquisition and analysis |
| 3.0 | Computer | A dedicated latest computer system/ labtop should be supplied along with latest software Windows compatible to Image Analysis software supplied with system to view images ,store and acquisition of images from camera |
| 4.0 | Warranty | 1 yr |
| 5.0 | Compliance | A compliance is must to provide along with technical documents |
| 6.0 | Technical quote | A detail technical quote should be provided with part os and the scope of supply |
| 7.0 | Authorised Distributor, Dealers , Manufacturers , Authorised Agents etc can quote | Authorization should be attach from the principals or manufacturers with Tender No, If two authorize parties quote the same product, Only sole authorize agent from the principals will be considered |

General Conditions:

- * The Bidder should be a manufacturer or their dealer specifically authorised by the manufacturer to quote on their behalf for this tender as per Manufacturer Authorisation Form and Indian agents of foreign principals, if any. Who must have designed, manufactured, tested and supplied the equipment(s) similar to the type specified in the “Technical Specification”. Such equipments must be of the most recent series/models incorporating the latest improvements in design. The models should be in successful operation for at least one year as on date of Bid Opening.
- * Incomplete & conditional tenders and tenders received after the due date will be summarily rejected without assigning any reasons thereof.
- * Compliance Statement: Along with the technical details provide a tabular column indicating whether the equipment quoted by you meets the specifications by indicating 'YES' or 'NO'. If 'YES', support the claim by providing original brochures. Vendors should provide clear brochures/data sheets about the equipment and it’s working. Also include adequate proof for the claim regarding the performance.
- * Reference: Names of Institutes with contact person and telephone/ email where similar equipment supplied by you in India [Preferably South India] shall be mentioned in the bid.

- * The price should be inclusive of all taxes, duties, transportation, insurance, installation etc. Nothing extra will be paid in addition to the quoted rate. Any amount in Indian rupees for installation, commission, labour, spares, service etc shall be entered in item 2 of BoQ.
- * The price should be inclusive of all taxes, duties, transportation, installation etc. Nothing extra will be paid in addition to the quoted rate.
- * Payment Terms: 90% payment shall be made through irrevocable L/C on presentation of complete and clear shipping documents and balance 10% of the amount shall be released after the receipt, installation, commissioning and acceptance of the equipment.
- * Validity of tender: Tender submitted shall remain valid at least for 120 days from the date of opening the tender. Validity beyond 120 days, from the date of opening of the tender shall be by mutual consent.
- * **Every tenderer should submit Tender fee of Rs. 500**
- * Delivery and installation: Proposed delivery schedule should be mentioned clearly. Delivery and installation should be made at Department of Archaeology, University of Kerala, Kariavattom campus, Trivandrum- 695581, without any extra cost.
- * Service facility: Supplier should mention their details of service setup and manpower in Trivandrum who are responsible for after sales support.
- * The model number, make, and a printed literature of the product shall submit positively.
- * In case of any dispute, the decision of the University authority shall be final and binding on the bidders.
- * The quoted item should be under comprehensive warranty for 5 years or more.
- * The undersigned reserves the right to reject any or all of the tenders received without assigning any reason thereof.

Documents to be Uploaded

- * Signed Compliance Matrix
- * Detailed Technical Brochure
- * Under taking of support for next 10 Years

* BoQ

* DD/Hard copy of Bank Guarantee if opted

**The Registrar,
University of Kerala,
Senate House campus, Palayam
Trivandrum- 695 034, Kerala.**