

Open Competitive Bidding
TENDER DOCUMENT FOR
PROCUREMENT OF SCIENTIFIC EQUIPMENT

FOR
The program sponsored by
**Fund for Improvement of S&T Infrastructure in Universities and
Higher Educational Institutions (FIST)**, Department of Science and
Technology (DST), New Delhi
To
The Department of Earth and Environmental Science
K S K V KACHCHH UNIVERSITY, Bhuj - 01

The Principal Investigator
FIST – DST Program
Department of Earth and Environmental Science
K S K V KACHCHH UNIVERSITY
BHUJ – 370 001

Note: This pdf file is uploaded only for the reference to the bidders. Those who are interested in bidding, must go to the n-procure website only for bidding.

Newspaper Advertisement

LAST DATE

Procurement of
SCIENTIFIC EQUIPMENT

FOR

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To

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K S K V KACHCHH UNIVERSITY, Bhuj - 01

Interested Bidders may visit
www.nprocure.com & kskvku.digitaluniversity.ac

For details, please contact:

The Principal Investigator
FIST – DST Program
Department of Earth and Environmental Science
K S K V KACHCHH UNIVERSITY
BHUJ – 370 001

| Notice Inviting Tender Details | | |
|---------------------------------------|---|--|
| S.No | Description | |
| 1. | Department Name | Department of Earth and Environmental Science KSKV Kachchh University, Bhuj-370 001 (Gujarat) |
| 2. | Procuring For | Department of Earth and Environmental Science Krantiguru Shyamji Krishna Verma Kachchh University Bhuj-Kachchh - 370 001 (Gujarat) |
| 3. | Circle/Division | NA |
| 4. | Tender Number | KU/DEES/FIST-DST/01/2019-20 |
| 5. | Tender Subject | Supply, Installation, & Commissioning of Scientific Equipment |
| 6. | Period Of Contract | THREE YEARS |
| 7. | Form Of Contract | Schedule Wise |
| 8. | Tender Type | Open |
| 9. | Tender Category | Products (both Hardware and Software) |
| 10. | EMD / Bid Security (INR) | 4 % of the Order value or maximum of 1,00,000/- (Enclose in separate cover – Item wise), Will be refunded only after completion and installation of the procedure of procurement of the equipment |
| 11. | EMD/Bid Security Payable To | In the form of Demand Draft in favor of “The Registrar, K S K V Kachchh University, Bhuj”. |
| 12. | Non-refundable Tender Fee | 5,000 /- (Enclose in separate cover) for each equipment – Item wise |
| 13. | Tender Fee | The DD should be drawn in the favor of “The Registrar, K S K V Kachchh University, Bhuj” The Applications can be downloaded from the university website www.nprocure.com & kskvku.digitaluniversity.ac . This DD can be submitted along with the Tender bids. – Item Wise Note: Please do not enclose the DD inside the bid. It should be in a separate envelope. Application Fee is Non Transferable. |
| 14. | Downloading of Tender Documents and send the hard copy to the Address | Download from www.nprocure.com & kskvku.digitaluniversity.ac PI, FIST-DST Program, Department of Earth and Environmental Science, KSKV Kachchh University, Mundra Road, Bhuj – 01, Kachchh, Gujarat |
| 15. | Bid Submission Closing Date (On line) | <u>Date: 25th November 2020; Day: Wednesday; Time: 5.00 pm</u> |
| 16. | Submission of EMD, Tender Fee and other Documents | Registered Post (Indian Post Services) on or before 1st December 2020 (Tuesday); 5.00 pm |
| 17. | Technical Specifications Bid Opening Date(Technical Bid Stage) | <u>4th December 2020; Friday Time – 2.00 pm</u> at The Department of Earth and Environmental Science, KSKV Kachchh University, Bhuj - 01 |
| 18. | Price Bid Opening Date (Financial Bid Stage) | <u>4th December 2020; Friday Time – 2.00 pm</u> at The Department of Earth and Environmental Science, KSKV Kachchh University, Bhuj - 01 |

| | | |
|-----|--------------------------------------|---|
| 19. | Place Of Tender Opening | Head of the Department of Earth and Environmental Science, KSKV Kachchh University, Bhuj - 01 |
| 20. | Officer Inviting Bids/Contact Person | PI, DST-FIST Program, Department of Earth and Environmental Science, Krantiguru Shyamji Krishna Verma Kachchh University, Bhuj, Gujarat |
| 21. | Address/E-mail ID | mgthakkar@rediffmail.com |
| 22. | Contact Details/ Telephone, | Ph:+91-02832-235021, Fax: + 91-02832-235021 |
| 23. | Eligibility Criterion | As per the tender document Annexure-02 |
| 24. | Procedure For Bid Submission | <p>Tenders shall be submitted exclusively in person /Post.</p> <p>The tenderer can download the tender document from the website www.nprocure.com & kskvku.digitaluniversity.ac</p> <p>The tenderers who are desirous of participating shall submit their technical bids, price bids (Commercial Bid) as per the standard formats Annexure-11 and Annexure-12 available in the Tender document.</p> <p>The tenderer should submit the following documents to the Principal Investigator, FIST - DST Program, Department of Earth and Environmental Science, Krantiguru Shyamji Krishna Verma Kachchh University, Bhuj-370 001 (Gujarat).</p> <p>A DD/Pay order drawn in favor of “Registrar, K S K V Kachchh University, Bhuj” for the amount 5,000/- towards Tender fee (Application fee), for each equipment. – Nonrefundable (Item Wise)</p> <p>A DD/Pay order/drawn in favor of “Registrar, K S K V Kachchh University, Bhuj” for the amount 4% of the Order value or maximum of 1,00,000/- (EMD fee) (Enclose in separate cover – Item Wise)</p> <p>Technical Bid (Annexure-11) along with supporting documents Commercial Bid (Annexure-12).</p> <p>All the supporting documents as mentioned in the eligibility criteria (All the points).</p> <p>Documents in support of Technical Specifications along with make and models of all the items as per the list mentioned in Annexure-05 duly mentioning the make.</p> <p>Supporting documents of standard certifications Annexure-02 of tender document duly signed with office seal as a token of acceptance of our standard terms and conditions. Latest income tax clearance certificate.</p> <p>List of customers, to whom the bidder had supplied identical materials in the past along with P.O details and performance report (MUST). Annexure-08 Statement of deviation from specification with reason.</p> <p>Principal Investigator, DST – FIST Program, K S K V Kachchh University, Bhuj, will not hold any risk and responsibility for non-visibility of the scanned document or the loss in transit.</p> |
| 25. | General Terms and Conditions | As per tender documents. |
| 26. | Bidding condition | <p>Bidders may quote for any of the items or may quote for all.</p> <p>In case, if bidders are quoting for more than one items, Tender fees and EMD need to pay item wise.</p> <p>All Documents related to specification of the item and eligibility also to submit item wise.</p> |

Contents of the Tender Document

| | |
|--|---------------|
| 1. Schedule of Quantity | Annexure – 01 |
| 2. Eligibility Criteria & Special Terms and conditions | Annexure – 02 |
| 3. List of Documents to be enclosed | Annexure – 03 |
| 4. List of Addresses | Annexure – 04 |
| 5. Technical Specifications | Annexure – 05 |
| 6. Instructions to Bidders | Annexure – 06 |
| 7. General Purchase Conditions | Annexure – 07 |
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| 9. Guidelines for Submission of Bank Guarantee | Annexure – 09 |
| 10. Proforma for Performance Bank Guarantee | Annexure – 10 |
| 11. Technical Bid Form | Annexure – 11 |
| 12. Commercial Bid form | Annexure - 12 |

Annexure - 01

Schedule of Quantity

Supply, Installation and Commissioning of Scientific Equipment at, the Department of Earth and Environmental Science, Krantiguru Shyamji Krishna Verma Kachchh University, Bhuj - 370 001 (Gujarat)

| Item No. | Description of Work | Quantity (Nos.) |
|--|---|------------------------|
| Supply, Installation and Commissioning of | | |
| 1. | Motorized Upright Microscope with Cytogenetic Work station with Karyotype and FISH | 01 |
| 2. | Stereo Microscope with camera and light attachment | 01 |
| 3. | Polarizing Microscope | 25 |
| 4. | CHNS and NC soil Analyzer | 01 |

Annexure – 02

ELIGIBILITY CRITERIA AND SPECIAL TERMS AND CONDITIONS

A. ELIGIBILITY CRITERIA FOR TENDERS:

The Company / the tenderer should be in existence for the last 5 Years

The Company/ the tenderer should have earlier supplied at least FIVE TIMES the quantities of the items being in the current tender in any of the last two financial years to the Universities or Research organizations or Diagnostic labs.

The Company or tenderer should have at least one Service Center in Gujarat/India.

The tenderer should be a Manufacturer or the authorized representative of equipment or other respective products/items.

The tenderer/tenderer's group should have a turnover a minimum of more than 10 times the Bid value of the tenderer in each of the last three financial years.

B. SPECIAL TERMS AND CONDITIONS:

1. Delivery Period: The delivery should be made within 45 days from the date of receipt of Purchase Order by the tenderer.

2. Warranty: All items supplied by the tenderer shall be guaranteed against any defects and the tenderer should provide time-to-time operational maintenance support for a period of 3 years (On Site comprehensive Warranty). The said warranty should cover all Hardware products & Software. The warranty and service shall be provided directly from the manufacturer. The supplied products shall reflect with product codes/part number for three year warranty on their website/or on the call centers. Necessary guarantee certificates shall accompany the supplies. The tenderer shall be liable to rectify any defects that may be found in the equipment supplied free of cost.

3. Installation: The installation should be done at the Department of Earth and Environmental Science Building as mentioned in the Annexure – 04 enclosed at no extra cost.

4. Response Time: The response time of the tenderer to attend to any complaint upon receipt of the complaint/information from the user should not be more than 24 hours.

AUTHORISED SIGN OF TENDERER

SEAL

DATE:

PLACE:

Annexure – 03

Documents to be enclosed

The following documents should be submitted along with the bidding form otherwise the bidders are liable to be disqualified.

1. All the Supporting documents in respect of Eligibility Criteria. i.e.
 - Registration/Incorporation Certificate in support of the existence of the company for required number of years as per the tender schedule eligibility criteria.
 - Copies of Purchase Orders in support of the supply of required quantities of items in any of the last three financial years as per the tender schedule eligibility criteria.
 - List mentioning the addresses and contact persons with phone numbers of the Service Centers present throughout Gujarat/India.
 - Supporting Documents indicating that the tenderer is the Manufacturer or the OEM Authorized representative of the corresponding items/products.
 - Audited financial statements that are Balance Sheet, Income & Expenditure and Profit & Loss accounts in support of having required turnover in each of the last three financial years.
 - IT and GST returns for the last three years.
2. Annexure – 02 duly signed & office Seal affixed as a token of acceptance of Special Terms and Conditions.
3. Documents in support of Technical Specifications for the scientific equipment as mentioned in Annexure – 05 clearly mentioning the make and model. Supporting Documents if any for equipment.
4. The latest Income Tax Clearance Certificate (GST).
5. The list of customers, to whom the bidder had supplied identical materials in the past along with P.O. details and performance report, if any.
6. Annexure – 08

Note:

1. The Principal Investigator, FIST – DST Program, Department of Earth and Environmental Science, K S K V Kachchh University, Bhuj will not hold any risk and responsibility for non-visibility of the scanned document or non-receipt of hardcopies or loss in transit.
2. The Documents that are received in time will only be considered for Technical Bid Evaluation.
3. The tenderer will be disqualified at any stage of the tender process, if found to have misled or furnished false information in the forms/Statements/Certificates submitted in proof of 1 to 6 above.

AUTHORISED SIGN OF TENDERER

SEAL

DATE:

PLACE:

Annexure – 04

Address where the equipment to be installed

Block A,

Department of Earth and Environmental Science,

Krantiguru Shyamji Krishna Verma Kachchh University,

Bhuj-370 001 (Kachchh-Gujarat)

AUTHORISED SIGN OF TENDERER

SEAL

DATE:

PLACE:

Annexure – 05

TECHNICAL SPECIFICATIONS OF SCIENTIFIC EQUIPMENT

ITEM NO. 1: MOTORIZED UPRIGHT MICROSCOPE WITH CYTOGENETIC WORK STATION WITH KARYOTYPE AND FISH

Quantity: 01 (Research Purpose & Diagnosis)

| Particular | SPECIFICATION |
|---|--|
| Motorized Microscope | |
| Microscope stand | Fully Motorized Upright Microscope stand with Apochromatically corrected Fluorescence beam path and dedicated TFT/LCD display for convenient operation |
| Motorized focus drive | Inbuilt Motorized Z focus drive with a minimum step size of 10 nm or better |
| Motorized Objective Nose piece | 7 Position Motorized Objective Nose piece or better |
| Condenser | Achromatic-aplantic condenser suitable for all magnifications. Along with 0.9NA with front lens switchable at the left and the right. Suitable for all objective magnification |
| Mechanical Stage | Mechanical stage with suitable specimen holder for slides |
| Eye Piece | Focusable 10X eyepieces with FOV 23 or better |
| Transmitted Illumination | 12V 100watt Halogen illumination |
| Objectives | High N.A, High light transmission efficient Objectives for fluorescence and Bright field applications |
| | Objective "A-Plan" 10x/0.25 M27 |
| | Objective "A-Plan" 20x/0.40 M27 |
| | Objective "A-Plan" 40x/0.65 M27 |
| | Objective EC Plan-Neofluar 63x/1.25 Oil M27 (WD=0.10mm), incl. Immersol 518 F, oiler 20ml |
| Fluorescence Attachments | Fully Motorized Fluorescence illumination and operation |
| Reflected light Illumination | Self-aligned/Pre centered 100 W Mercury Illumination with motorized Intensity regulator for Fluorescence Applications |
| Reflector Turret for Fluorescence Filters | Motorized 10 position reflector turret with motorized exciters and standard filters for FISH applications |
| Shutter | Motorized Shutter to block incident light |
| Fluorescence Filters | Filter Set for DAPI, FITC-spectrum Green, TRITC-Spectrum orange or CY3, Aqua/DEAC, Triple band filter for DAPI/FITC/TRITC |
| Camera | RESOLUTION: 1360 x 1024 pixels (SXGA) SENSOR: 2/3", quadratic pixels, EXview HAD CCDTM monochrome (Cool Cube 1m) 2/3", quadratic pixels |

| | |
|----------------------------|---|
| | <p>FULL WELL CAPACITY: 17,000 e FRAME RATE: 15 fps @ full resolution SHUTTER: Global Shutter EXPOSURE TIME: 80 μs to 270 s PIXEL SIZE: 6,45 μm x 6,45 μm DIGITIZATION DEPTH: 12 Bit, GAIN 1 - 16 DATA INTERFACE: High-Speed USB 2.0 INTERNAL IMAGE MEMORY: 32 MByte POWER SUPPLY: USB Bus Powered MECHANICAL INTERFACE: C-Mount</p> |
| karyotype software | <p>Karyotype software: Interactive and automated Karyotyping of Human, Animal and Plant species. Additional analysis interface with the same license. Unlimited UNDO and log operations to overcome human errors with time and date record of every processing steps. Chromosome arm ratio should be identifiable to define P and Q arms. One click separation of overlapped chromosomes. Interactive and automated Real time back ground correction and Chromosome separation. Keyboard shortcut keys for several functions like Chromosome separation (in case of over lapping chromosomes), image enhancement, Back ground correction, contrast enhancement etc. Interactive and automatic Classification based on built-in classifiers for G-, Q- and R-banding. Ideograms according to ISCN standard for 400, 550, and 850 bands. Additional captures to encompass all chromosomes of widely spread metaphases in one karyotype, Upto 26 images can be incorporated into 1 to have one complete Karyogram in case of polyploids.</p> |
| FISH Imaging Software | <p>FISH Software: Image acquisition in up to 12 color channels with integrated microscope control for motorized microscopes. Extended focus image generation to have a very clear Fluorescence signal against clear dark background. User defined automatic processing functions significantly simplify the image enhancement immediately after the capture. Interactive and automatic integration time control for each color channel. Automatic and interactive background correction and thresholding for each color channel. Mask (exclude/include) function, Transient and permanent zoom, Presentation of individual colors, false colors, and gray levels, Annotation capabilities and Measurement functions. Provision to capture color images using RGB filters for stained slides like H&E etc.</p> |
| Comet Assay software | <p>Comet software: Software for acquisition and analysis of single cell gel electrophoresis (Comet) assay samples. Functionality includes interactive image acquisition with automated integration time adjustment. Automated thresholding of cells ('head') and Comet tails. Automated measurement of cell features (e.g. tail moment, tail moment 'Olive', and more). Interactive and comprehensive data display, data and image export, and more.</p> |
| Report/Archiving Software: | <p>Report / Archiving Software: Dedicated software for Report generation, analysis, archiving and classifying with university logo or other related images. Scheduled backup and notifies if data is not getting saved. Dedicated software for Report or case data searching and sorting. Editing can be done for a work group or multiple cases. Provides security check so that unknown user can't modify data. User Defined report generation with graphic interface. Provision in software to extract statistical information of cases/reports like cases per year, results per year, samples per year etc.</p> |
| PC | <p>Suitable computer with original operating system.</p> |
| | <p>System should be upgradable to Automated metaphase finding software, Motorized 8 or 9 slide scanning stage and mFish</p> |

ITEM NO. 2: STEREO MICROSCOPE WITH CAMERA AND LIGHT ATTACHMENT

Quantity: 01 (Research Purpose)

Indenters are willing to purchase a stereo, stereoscopic or dissecting microscope with light attachment designed for low magnification observation of a sample, typically using light reflected from the surface of an object. It is a trinocular apochromatic grade stereo microscope with image analysis suitable for biological research applications with following specifications:

1. Operation Concept and Main Body:

- Common Main Objective (CMO)
- Apochromatic stereo telescope system with 20:1 motorized zoom (0.75x ... 15x) manually operable on both sides and switchable click stops at 0.75 to 15x with Human Interface Panel
- Intermediate Phototube, Dust protection set
- Coarse/fine drive with profile column of 450mm or better, min 10kg load capacity.
- Revolving nosepiece which can hold up to 3 objectives
- Upgradable for Fluorescence attachment, Co-observation unit and drawing tube.

2. **Observation tube:** The binocular tube 35° with interpupillary adjustment from 51-75mm and beam splitting ratio of 100:100 for visualization and documentation either by Trinocular port or intermediate phototube.

3. **Magnification Range:** At least from 7.5x to 150x or higher @ 10x Eyepiece with 1x Objective Lens.

4. **Objectives:** Plan Apochromate of 1x working Distance 60 mm, objectives to be of Par-focalized.

5. **Eyepiece:** Plan grade 10X with Field of View (FOV) 23mm and diopter setting on both Eyepiece and 23x Eyepiece with FOV 10mm, with folding eye cup, eyepiece sockets swingable and adjustable in two levels, having antifungal quote.

6. **Microscope Stand:** Wide stand with dimensions of 322x373x42mm or more with transmitted light unit, Mount with 76mm diameter support.

7. **Light Source:** White-light LED transmitted light, brightness knob, socket for footswitch, sprightly movable diaphragm and 3 position turrets for:

- Bright Field plus and oblique-light contrast by shiftable diaphragm
- homogenous brightfield with 67mm diameter
- all-side darkfield, also unilateral by movable diaphragm

Transmitted and Reflected light cold light LED source up to 600lm light flux, ca. 6200K colour temperature

- min. 50,000 operating hours
- max. 70W wide-range supply for flicker free light, silent fan

- Control of intensity by turn-push knob & LCD
- Spotlight illumination with 2-arms Gooseneck light guide
- Transmitted-light equipment ergonomic console with light guide and 2 shift-able and tilt-able reflectors for bright field and dark field and for variable oblique light.
- Power supply unit; Filter; Collector Lens; Power Cord and Stage Insert.
- Filters: for halogen light, dry light

8. **Camera Specifications:** High definition colour CMOS sensor microscopy camera with following specifications

- Basic resolution, not less than 3840 (H) x 2160 (V), that is 8.0 Megapixel
- Live Frame, not less than 30 FPS or better at full frame of 3840 (H) x 2160 (V)
- Driver software 64bit
- USB 3.0 PCIe x1 interface
- USB 3.0 connection cable 3.0 m
- SATA power cable and Molex power cable
- Camera Adapter, 0.5x

9. **Imaging software:** Suitable software for entire image acquisition, processing, and analysis workflow interactively with least following features,

- Interactive measurement: length, contours, angles, scale bars.
- Management, visualization and printing of metadata and images
- Image formats BMP, GIF, JPG, TIFF etc.
- Video AVI, MOV
- Visualization capabilities for extended Image types
- HDR Image capture.
- Input via TWAIN.
- Camera control.
- Automatic White Balance
- Display of standard reports, toolbar, μ bar scales, Text annotation, Image printout, Image properties with display functions, Implicit file naming on image capture (=automatic saving), Vertical / horizontal display subdivision, Deletion of the active, displayed image (incl. file), Post processing of images; standard operations for image optimization (contrast, brightness, gamma, colors), Batch conversion and export of image types.
- Upgradable to higher version later.

10. The microscope, camera and software should be from the same manufacturer to ensure better system integration.

11. Dust Cover: Appropriate for the Microscope, with complete covering

Optional Objectives:

0.5 X objective

1.6X /1.5X objectives

ITEM NO. 3: POLARIZING MICROSCOPE

Quantity: 25 (Academic/ PG teaching purpose)

Viewing Head: Binocular/Monocular head inclined at 45° with 360° rotatable.

Eyepiece: WF10X/18mm with Cross hair and 0.1mm

Objectives: Strain free Achromatic objectives 4X, 10X, 40X

Nose Piece: Forward Quadruple Nose piece. gesture

Analyzer: Rotatable analyser with Graduation 0 - 90

Polarizer: Imperilment Style, 0-90° rotatable, located on the top of Collector.

Bertrand Lens: Sliding-in / out of Optical Path.

Optical Compensator: First class red slip, $1/4\lambda$ Slip.

Stage: Revolving Round stage, diameter 135mm 360° rotatable and graduated in 1° increment, Using vernier scale center adjustable.

Condenser: N.A 1.25 Abbe condenser with Iris Diaphragm and Filter.

Focusing: Co axial coarse and fine adjustment.

Illumination: 6V, 20W Halogen Lamp Brightness adjustable.

Attachment: “Smartphone and Tablet attachment to Binocular Polarizing Microscope for Teaching, imaging and sharing purpose”

ITEM NO. 4: CHNS AND NC SOIL ANALYZER

Quantity: 01 (Research)

Specifications -

Fully Automatic Computer controlled Rapid Determination carbon, Nitrogen, Hydrogen and Sulphur and Nitrogen and Carbon in soil samples analysis with single furnace and single reactor.

Instrument should be filed upgradable from single to double reactor.

Flash Combustion design with oxidation & reduction process with in maximum temperature of 1100 °C with classical Chromatographic separation by column. The Detection system should be on TCD detector for all elements.

CHNS instrument future upgradable to NC soil and switch over to Left to right channel and change over gas through software.

The system must not split the sample for different elements & full sample should be carried to single detector for maximum sensitivity.

Fully Automatic Mass flow control carrier Gas flow (Helium or Argon) with automatic software controlled Oxygen dosing for combustion stage for highest sensitivity & enhanced reactor life. The system must have built in automatic calculation of Oxygen demand to enhance the reactor life.

Accessories must require to remove Ash/residue after combustion.

The system should be supplied with Auto sampler for minimum 30 or more sample position with facility to analyse samples of all forms (Solid, Liquid, Semi Solids, and Gels). The Auto sampler should be for minimum of 30 sample position with option to add 120 position sample racks as upgrade.

Analysis range

C = 0.01 - 100 %

N = 0.01 - 100 %

H = 0.01 - 100 %

S = 0.01 - 100 %

Sample Size- 0.1 Mg to 500 mg or more depending upon sample nature.

Classical chromatographic separation based technique with Thermal conductivity Detector for all Elements.

The Furnace and detector TCD should have warranty of more than 10 years

Analysis time less than 10 Minutes.

For min 2000 sample analysis reagents/consumable set provide.

Automatic leak test to protect the consumable life, auto wake up & auto start function.

The system must be able to operate in any one of more elements mode such N or C or NC analysis in soil samples by high sample weight.

The system must have capability to operate on both Helium & Argon as carrier Gas.

Optional:

A direct interface to Mettler Microbalance for automatic weight transfer & balance with 1 Microgram accuracy or more.

For min 3000 sample analysis reagents/consumable set provide.

Local supply should include Computer, Printer, and Gas cylinders for Helium and Oxygen with regulator.

UPS of 5 KVA capacity with 30 Min back up.

All components of the above listed items should be from single manufacturer (Item wise)

Mandatory requirements:

Undertaking for providing required spares for the equipment.

2. Quote price to FOR Bhuj (Block-A- Department of Earth and Environmental Science, KSKV Kachchh University). Instruments clearance Certificate (DSIR) will be provided by KSKV Kachchh University, Bhuj.
3. The bidder has to mandatorily provide minimum 3 years comprehensive warranty for the full system failing which the quotation might be summarily rejected at the time of technical bid opening.
4. Training: For one week should be carried out to make sure the system is properly used by the faculty/students/operator. Professional training at the Laboratory where the quoted equipment is already installed is desirable at the cost of supplier to ensure the compete training.
5. Additional information / concessions is desirable
6. Certification of calibration/Environmental friendly procedure of manufacturing/ISO may have extra merits to promote environmental friendly industrial system.

Note: I have read the specification (item wise) and liable to bid as per the specification

AUTHORISED SIGN OF TENDERER

SEAL

DATE:

PLACE:

Annexure – 06

'Instructions to Bidders'

Downloading of Tender Documents :
Hard copy submission of Tender :
Submission of EMD, Tender Fee; Other :
Documents etc
Due date of opening of Technical Bids :
Due date of opening of Price Bids :

The instructions given below must be read very carefully, as failure in compliance with any of these may render the offer liable for rejection. If a bidder has any doubt about the meaning of any stipulation herein, General Purchase Condition, specification of materials or any other enclosed document, he should immediately obtain the clarification/ information from the PI FIST-DST.

1. Earnest Money Deposit (EMD) – Item wise

- 1.1. Offers must accompany EMD by way of DD/Pay Order, drawn in favor of “Registrar, K S K V Kachchh University, Bhuj”, and payable at any of the scheduled bank branches situated in Bhuj. Submission of EMD in any other form shall not be considered and treated as disqualification. The DD [EMD] should be kept separately in a sealed cover duly superscribing ‘EMD’.
- 1.2. The EMD shall be forfeited, if
 - i) Bidder withdraws the bid before expiry of its validity.
 - ii) Successful bidder does not accept the order or fails to enter into a contract within validity period of offer.
 - iii) Successful bidder fails to furnish Security Deposit within one month from the date of issue of P.O
- 1.3. The EMD of unsuccessful bidders shall be returned as soon as the tenders are finalized and procurement and installation achieved. Transaction fee payable to C1 India is non-refundable.

2. Acceptance of University Payment Terms The standard payment terms shall be

100% of all inclusive price of the materials will be paid on receipt and acceptance of the material in good condition, installation and commissioning of the equipment supplied at site and after furnishing of Bank Guarantee for 10% of the contract covering the guarantee period subject to penal provisions applicable in case of delay in supply and commissioning as per the condition 2.4 of annexure-07. OR 100% advance payment against 100% (equal amount of the payment) Bank Guarantee of the amount of the PO.

3. Price Basis

The prices quoted shall be on FOR destination basis as per annexure-04, and also shall include:

- (a) Transit Insurance:
- (b) All Taxes (GST), Duties and Levies.

4. Cost Compensation for Deviation:

Deviations specifically declared by the bidders in respective Deviation Schedules of Bid Proposal Sheets only will be taken into account for the purpose of evaluation. The bidders are required to declare the prices for the withdrawal of the deviations declared by them in the Deviation Schedules.

Offers should strictly be in conformity with specifications/drawings/samples as stipulated in the enquiry. In case no deviations are indicated, it shall be taken for granted that item (s) has/ have been offered strictly as per the requirements given in the enquiry.

5.0 Delivery

5.1 Delivery Schedule

The Supply, Installation, and Commissioning of the material: The bidder shall offer his best, realistic and firm delivery, which shall be specific and guaranteed. Delivery period shall be reckoned from the date of P.O. which is the first intimation of acceptance of bidder's offer. Final date of delivery shall be evidenced by date of dispatch of materials as per transporter's Lorry Receipt/ Goods Receipt/ RR/ PWB/ AWB. For delivery beyond contractual delivery period, provisions of 'General Purchase Conditions' shall apply.

5.2. Early Delivery:

It shall be noted that if an order is placed on higher bidder, in preference to lowest acceptable offer, in consideration of an earlier delivery, the bidder shall be liable to the University, the difference between the ordered rate (s) and the rate (s) quoted by the lowest acceptable bid in case the tenderer fails to complete the supply in terms of such order within the date (s) of delivery specified in the tender and incorporated in the order. This is without prejudice to other rights of the University under terms of order.

6. **It is not binding on University to accept the lowest or any bid. The University reserves the right to place orders for individual items with different bidders and to revise the quantities at the time of placing the order and in such event also, the quoted rates, terms and conditions shall apply. The order for the materials may also be split up between different bidders to facilitate quick delivery of critically required materials. University further reserves the right to accept or reject any/ all bids without assigning any reason thereof. Final decision on bids also depends on the components/accessories/additional features offered**
7. The University at its sole discretion unilaterally may change the quantities to the extent of $\pm 30\%$ as indicated in tender enquiry. The successful bidder shall be bound to supply these quantities at the same rate and on the same terms and conditions.
8. Tenderers shall fill in the enclosed proforma with regard to deviations / variations (Annexure-08) and submit the same along with their offer.
9. Orders placed against this tender enquiry shall be subject to 'General Purchase Conditions' of University, a copy of which is enclosed. Bidders are requested to confirm acceptance of these conditions in to in their offer.
10. Make/Brand of items offered shall be specified failing which offers are liable to be rejected. It shall be appreciated if one copy of detailed descriptive literature/ pamphlets is enclosed along with the offer which may help technical evaluation. In case material offered is ISI marked/tested at any Govt. recognized test house; copies of relevant certificates shall be furnished along with the offer.

AUTHORISED SIGN OF TENDERER

SEAL

DATE:

PLACE:

ITEM NO. 2: STEREO MICROSCOPE WITH CAMERA AND LIGHT ATTACHMENT

Quantity: 01 (Research Purpose)

Indenters are willing to purchase a stereo, stereoscopic or dissecting microscope with light attachment designed for low magnification observation of a sample, typically using light reflected from the surface of an object. It is a trinocular apochromatic grade stereo microscope with image analysis suitable for biological research applications with following specifications:

1. Operation Concept and Main Body:

- Common Main Objective (CMO)
- Apochromatic stereo telescope system with 20:1 motorized zoom (0.75x ... 15x) manually operable on both sides and switchable click stops at 0.75 to 15x with Human Interface Panel
- Intermediate Phototube, Dust protection set
- Coarse/fine drive with profile column of 450mm or better, min 10kg load capacity.
- Revolving nosepiece which can hold up to 3 objectives
- Upgradable for Fluorescence attachment, Co-observation unit and drawing tube.

2. **Observation tube:** The binocular tube 35° with interpupillary adjustment from 51-75mm and beam splitting ratio of 100:100 for visualization and documentation either by Trinocular port or intermediate phototube.

3. **Magnification Range:** At least from 7.5x to 150x or higher @ 10x Eyepiece with 1x Objective Lens.

4. **Objectives:** Plan Apochromate of 1x working Distance 60 mm, objectives to be of Par-focalized.

5. **Eyepiece:** Plan grade 10X with Field of View (FOV) 23mm and diopter setting on both Eyepiece and 23x Eyepiece with FOV 10mm, with folding eye cup, eyepiece sockets swingable and adjustable in two levels, having antifungal quote.

6. **Microscope Stand:** Wide stand with dimensions of 322x373x42mm or more with transmitted light unit, Mount with 76mm diameter support.

7. **Light Source:** White-light LED transmitted light, brightness knob, socket for footswitch, sprightly movable diaphragm and 3 position turrets for:

- Bright Field plus and oblique-light contrast by shiftable diaphragm
- homogenous brightfield with 67mm diameter
- all-side darkfield, also unilateral by movable diaphragm

Transmitted and Reflected light cold light LED source up to 600lm light flux, ca. 6200K colour temperature

- min. 50,000 operating hours
- max. 70W wide-range supply for flicker free light, silent fan

- Control of intensity by turn-push knob & LCD
- Spotlight illumination with 2-arms Gooseneck light guide
- Transmitted-light equipment ergonomic console with light guide and 2 shift-able and tilt-able reflectors for bright field and dark field and for variable oblique light.
- Power supply unit; Filter; Collector Lens; Power Cord and Stage Insert.
- Filters: for halogen light, dry light

8. **Camera Specifications:** High definition colour CMOS sensor microscopy camera with following specifications

- Basic resolution, not less than 3840 (H) x 2160 (V), that is 8.0 Megapixel
- Live Frame, not less than 30 FPS or better at full frame of 3840 (H) x 2160 (V)
- Driver software 64bit
- USB 3.0 PCIe x1 interface
- USB 3.0 connection cable 3.0 m
- SATA power cable and Molex power cable
- Camera Adapter, 0.5x

9. **Imaging software:** Suitable software for entire image acquisition, processing, and analysis workflow interactively with least following features,

- Interactive measurement: length, contours, angles, scale bars.
- Management, visualization and printing of metadata and images
- Image formats BMP, GIF, JPG, TIFF etc.
- Video AVI, MOV
- Visualization capabilities for extended Image types
- HDR Image capture.
- Input via TWAIN.
- Camera control.
- Automatic White Balance
- Display of standard reports, toolbar, μ bar scales, Text annotation, Image printout, Image properties with display functions, Implicit file naming on image capture (=automatic saving), Vertical / horizontal display subdivision, Deletion of the active, displayed image (incl. file), Post processing of images; standard operations for image optimization (contrast, brightness, gamma, colors), Batch conversion and export of image types.
- Upgradable to higher version later.

10. The microscope, camera and software should be from the same manufacturer to ensure better system integration.

11. Dust Cover: Appropriate for the Microscope, with complete covering

Optional Objectives:

0.5 X objective

1.6X /1.5X objectives

ITEM NO. 3: POLARIZING MICROSCOPE

Quantity: 25 (Academic/ PG teaching purpose)

Viewing Head: Binocular/Monocular head inclined at 45° with 360° rotatable.

Eyepiece: WF10X/18mm with Cross hair and 0.1mm

Objectives: Strain free Achromatic objectives 4X, 10X, 40X

Nose Piece: Forward Quadruple Nose piece. gesture

Analyzer: Rotatable analyser with Graduation 0 - 90

Polarizer: Imperilment Style, 0-90° rotatable, located on the top of Collector.

Bertrand Lens: Sliding-in / out of Optical Path.

Optical Compensator: First class red slip, $1/4\lambda$ Slip.

Stage: Revolving Round stage, diameter 135mm 360° rotatable and graduated in 1° increment, Using vernier scale center adjustable.

Condenser: N.A 1.25 Abbe condenser with Iris Diaphragm and Filter.

Focusing: Co axial coarse and fine adjustment.

Illumination: 6V, 20W Halogen Lamp Brightness adjustable.

Attachment: “Smartphone and Tablet attachment to Binocular Polarizing Microscope for Teaching, imaging and sharing purpose”

ITEM NO. 4: CHNS AND NC SOIL ANALYZER

Quantity: 01 (Research)

Specifications -

Fully Automatic Computer controlled Rapid Determination carbon, Nitrogen, Hydrogen and Sulphur and Nitrogen and Carbon in soil samples analysis with single furnace and single reactor.

Instrument should be filed upgradable from single to double reactor.

Flash Combustion design with oxidation & reduction process with in maximum temperature of 1100 °C with classical Chromatographic separation by column. The Detection system should be on TCD detector for all elements.

CHNS instrument future upgradable to NC soil and switch over to Left to right channel and change over gas through software.

The system must not split the sample for different elements & full sample should be carried to single detector for maximum sensitivity.

Fully Automatic Mass flow control carrier Gas flow (Helium or Argon) with automatic software controlled Oxygen dosing for combustion stage for highest sensitivity & enhanced reactor life. The system must have built in automatic calculation of Oxygen demand to enhance the reactor life.

Accessories must require to remove Ash/residue after combustion.

The system should be supplied with Auto sampler for minimum 30 or more sample position with facility to analyse samples of all forms (Solid, Liquid, Semi Solids, and Gels). The Auto sampler should be for minimum of 30 sample position with option to add 120 position sample racks as upgrade.

Analysis range

C = 0.01 - 100 %

N = 0.01 - 100 %

H = 0.01 - 100 %

S = 0.01 - 100 %

Sample Size- 0.1 Mg to 500 mg or more depending upon sample nature.

Classical chromatographic separation based technique with Thermal conductivity Detector for all Elements.

The Furnace and detector TCD should have warranty of more than 10 years

Analysis time less than 10 Minutes.

For min 2000 sample analysis reagents/consumable set provide.

Automatic leak test to protect the consumable life, auto wake up & auto start function.

The system must be able to operate in any one of more elements mode such N or C or NC analysis in soil samples by high sample weight.

The system must have capability to operate on both Helium & Argon as carrier Gas.

Optional:

A direct interface to Mettler Microbalance for automatic weight transfer & balance with 1 Microgram accuracy or more.

For min 3000 sample analysis reagents/consumable set provide.

Local supply should include Computer, Printer, and Gas cylinders for Helium and Oxygen with regulator.

UPS of 5 KVA capacity with 30 Min back up.

| |
|---|
| <p>All components of the above listed items should be from single manufacturer (Item wise)</p> |
| <p>Mandatory requirements:</p> <ol style="list-style-type: none">Undertaking for providing required spares for the equipment.Quote price to FOR Bhuj (Block-A- Department of Earth and Environmental Science, KSKV Kachchh University). Instruments clearance Certificate (DSIR) will be provided by KSKV Kachchh University, Bhuj.The bidder has to mandatorily provide minimum 3 years comprehensive warranty for the full system failing which the quotation might be summarily rejected at the time of technical bid opening.Training: For one week should be carried out to make sure the system is properly used by the faculty/students/operator. Professional training at the Laboratory where the quoted equipment is already installed is desirable at the cost of supplier to ensure the compete training.Additional information / concessions is desirableCertification of calibration/Environmental friendly procedure of manufacturing/ISO may have extra merits to promote environmental friendly industrial system. |

Note: I have read the specification (item wise) and liable to bid as per the specification

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Annexure – 06

‘Instructions to Bidders’

Downloading of Tender Documents :
Hard copy submission of Tender :
Submission of EMD, Tender Fee; Other :
Documents etc
Due date of opening of Technical Bids :
Due date of opening of Price Bids :

The instructions given below must be read very carefully, as failure in compliance with any of these may render the offer liable for rejection. If a bidder has any doubt about the meaning of any stipulation herein, General Purchase Condition, specification of materials or any other enclosed document, he should immediately obtain the clarification/ information from the PI FIST-DST.

1. Earnest Money Deposit (EMD) – Item wise

- 1.1. Offers must accompany EMD by way of DD/Pay Order, drawn in favor of “Registrar, K S K V Kachchh University, Bhuj”, and payable at any of the scheduled bank branches situated in Bhuj. Submission of EMD in any other form shall not be considered and treated as disqualification. The DD [EMD] should be kept separately in a sealed cover duly superscribing ‘EMD’.
- 1.2. The EMD shall be forfeited, if
 - i) Bidder withdraws the bid before expiry of its validity.
 - ii) Successful bidder does not accept the order or fails to enter into a contract within validity period of offer.
 - iii) Successful bidder fails to furnish Security Deposit within one month from the date of issue of P.O
- 1.3. The EMD of unsuccessful bidders shall be returned as soon as the tenders are finalized and procurement and installation achieved. Transaction fee payable to C1 India is non-refundable.

2. Acceptance of University Payment Terms The standard payment terms shall be

100% of all inclusive price of the materials will be paid on receipt and acceptance of the material in good condition, installation and commissioning of the equipment supplied at site and after furnishing of Bank Guarantee for 10% of the contract covering the guarantee period subject to penal provisions applicable in case of delay in supply and commissioning as per the condition 2.4 of annexure-07. OR 100% advance payment against 100% (equal amount of the payment) Bank Guarantee of the amount of the PO.

3 Price Basis

The prices quoted shall be on FOR destination basis as per annexure-04, and also shall include:

- (a) Transit Insurance:
- (b) All Taxes (GST), Duties and Levies.

4. Cost Compensation for Deviation:

Deviations specifically declared by the bidders in respective Deviation Schedules of Bid Proposal Sheets only will be taken into account for the purpose of evaluation. The bidders are required to declare the prices for the withdrawal of the deviations declared by them in the Deviation Schedules.

Offers should strictly be in conformity with specifications/drawings/samples as stipulated in the enquiry. In case no deviations are indicated, it shall be taken for granted that item (s) has/ have been offered strictly as per the requirements given in the enquiry.

5.0 Delivery

5.1 Delivery Schedule

The Supply, Installation, and Commissioning of the material: The bidder shall offer his best, realistic and firm delivery, which shall be specific and guaranteed. Delivery period shall be reckoned from the date of P.O. which is the first intimation of acceptance of bidder's offer. Final date of delivery shall be evidenced by date of dispatch of materials as per transporter's Lorry Receipt/ Goods Receipt/ RR/ PWB/ AWB. For delivery beyond contractual delivery period, provisions of 'General Purchase Conditions' shall apply.

5.2. Early Delivery:

It shall be noted that if an order is placed on higher bidder, in preference to lowest acceptable offer, in consideration of an earlier delivery, the bidder shall be liable to the University, the difference between the ordered rate (s) and the rate (s) quoted by the lowest acceptable bid in case the tenderer fails to complete the supply in terms of such order within the date (s) of delivery specified in the tender and incorporated in the order. This is without prejudice to other rights of the University under terms of order.

6. **It is not binding on University to accept the lowest or any bid. The University reserves the right to place orders for individual items with different bidders and to revise the quantities at the time of placing the order and in such event also, the quoted rates, terms and conditions shall apply. The order for the materials may also be split up between different bidders to facilitate quick delivery of critically required materials. University further reserves the right to accept or reject any/ all bids without assigning any reason thereof. Final decision on bids also depends on the components/accessories/additional features offered**
7. The University at its sole discretion unilaterally may change the quantities to the extent of $\pm 30\%$ as indicated in tender enquiry. The successful bidder shall be bound to supply these quantities at the same rate and on the same terms and conditions.
8. Tenderers shall fill in the enclosed proforma with regard to deviations / variations (Annexure-08) and submit the same along with their offer.
9. Orders placed against this tender enquiry shall be subject to 'General Purchase Conditions' of University, a copy of which is enclosed. Bidders are requested to confirm acceptance of these conditions in to in their offer.
10. Make/Brand of items offered shall be specified failing which offers are liable to be rejected. It shall be appreciated if one copy of detailed descriptive literature/ pamphlets is enclosed along with the offer which may help technical evaluation. In case material offered is ISI marked/tested at any Govt. recognized test house; copies of relevant certificates shall be furnished along with the offer.

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DATE:

PLACE:

GENERAL PURCHASE CONDITIONS

SECTION- I GENERAL

- 1.1 The following terms and expressions used herein shall have the meaning as indicated therein: Supplier / Vendors: shall mean the individual firm or company whether incorporated or otherwise in whose name the purchase order is addressed and shall include its permitted assignees and successors. Purchaser: shall mean Principal Investigator, Young Scientist, SERB Project, Department of Earth and Environmental Science, Krantiguru Shyamji Krishna Verma Kachchh University, Bhuj.
- 1.2 Reference:
The purchase order number must appear on all the correspondence, packing slips, invoices, drawings or any other document or paper connected with the purchase order.
- 1.3 Waiver:
Any waiver by the purchaser of the terms and conditions of the purchase order shall not constitute any right for subsequent waiver of any other terms or conditions.
- 1.4 Sub-letting and Assignment:
The supplier shall not, save with prior consent in writing of the University, sublet, transfer or assign this order or any part thereof or interest therein or benefit or advantage thereof in any manner, whatsoever provided nevertheless that any such consent shall not relieve the supplier from any obligation, duty or responsibilities under the contract.
- 1.5 Information Provided by the University:
All drawings, data and documentation that are given to the supplier by the University for the execution of the order are the property of the University and shall be returned when demanded. Except for the purpose of executing the order of the University, the supplier shall ensure that the above documents are not used for any other purpose. The supplier shall further ensure that the information given by the University is not disclosed to any person, firm, body, corporate and/or authority and make every effort to keep the above information strictly confidential. All such information shall remain the absolute property of the University.
- 1.6 Supplier's Liability:
Supplier hereby accepts full responsibility and indemnifies the University and shall hold the University harmless from all acts of omission and commission on the part of the supplier, his agents, his subcontractors and employees in execution of the purchase order. The supplier also agrees to defend and hereby undertakes to indemnify the University and also hold it harmless from any and all claims for injury to or death of any and all persons including but not limited to his/her employees and for damage to the property arising out of or in connection with the performance of the work under the purchase order.
- 1.7 Access to supplier's Premises:
The University and / or its authorized representative shall be provided access to the supplier's and / or his sub-contractor's premises, at any time during the pendency of the purchase order, for expediting the supplies, inspection, checking etc.
- 1.8 Modifications
The purchase order constitutes an entire agreement between the parties hereto. Any modification to this order shall become binding only upon the same being confirmed in writing duly signed by both the parties.
- 1.9 Inspection/checking/testing
All materials/ equipment to be supplied against this purchase order shall be subject to inspection/ checking/ testing by the University or its authorized representative at all stages and places, before, during and after the manufacture. All these tests shall be carried out in the presence of authorized representative of the University. Supplier shall notify the University for inspection of materials/ equipment when they are ready, giving atleast 10 days notice. If upon receipt at our Stores, the material/equipment does not meet the

specifications, they shall be rejected and returned to the supplier for repair/modification etc. or for replacement. In such cases all expenses including to- and- fro freight, re-packing charges, transit insurance etc shall be to the account of supplier.

Inspection by the authorized representative of the University or failure of the University to inspect the material/equipment shall not relieve the supplier of any responsibility or liability under this purchase order in respect of such material/ equipment and it shall not be interpreted in anyway to imply acceptance thereof by the University. Whenever specifically asked for by the University, the supplier shall arrange for inspection/testing by Institutional Agencies such as Lloyds Register of Industrial Services, Boiler Inspectorate, RITES. In such cases supplier shall adhere to the inspection/ testing procedures laid down by such agencies. All expenses in this regard including inspection fees shall be to the suppliers account unless agreed to the contrary and specified in the purchase order.

1.10 Packing and Marking:

All materials/equipment shall be securely packed to the requirements of transportation by Air/Rail/ Road/ Sea. All exposed services/ connections/, protrusions shall be properly protected. All unexposed part shall be packed with due care and the packages should bear the words' handle with care'. The packing requirements of Air/Rail/ Road transport shall be complied with so as to obtain clear Airway/Railway Receipt/ Lorry Receipt i.e. without any qualifying remarks.

All packages and unpacked materials shall be marked with the name of Consignor, Consignee, Purchase order No., gross and Net weight, sign of handling, if any, with indelible paint in English atleast at two places. In case of bundles, metallic plates marked with the above details shall be tagged to such bundles.

1.11 Dispatch of Materials:

The supplier is responsible for the safe delivery of the goods in good condition at destination stores. The supplier should acquaint himself of the conditions relating to handling and transport of the goods to destination and shall include and provide for security and protective packing of the goods so as to avoid damage in transit.

1.12 Validity of offers:

The offers shall be valid for a **period of 60/120 days (Depending on the type of equipment) from the date of opening of bids**. The period of validity cannot be counted from any other date other than the date of opening the bids. During this period the tenderer shall not be permitted to withdraw or vary his offer made and if the tenderer does so, **the EMD shall be forfeited**.

1.13 Jurisdiction:

All and any disputes or difference arising out of or touching this order shall be decided only by the Courts or Tribunals situated in Bhuj.

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SECTION – II FINANCIAL

- 2.1. **Prices:**
Prices quoted shall be inclusive of all taxes (GST) and firm till completion of the programme.
- 2.2. **Terms of Payment:**
- 2.2.1. Payments by the purchaser shall be made through Account Payee cheques only. **Bank charges if any shall be borne by the supplier.**
- 2.2.2. If the supplier has received any overpayments by mistake or if any amounts are due to the University from the supplier due to any other reasons and when it is not possible to recover such amount under the present purchase order, the University reserves the right to collect the same from any other amounts and/ or Bank Guarantee given by the supplier due to or with the University.
- 2.3 **Liquidated Damages/ Failure and Termination:**
- 2.3.1 In the event of any delay in the supply of material beyond the stipulated date of completion including any extension permitted in writing, the University reserves the right to recover from the supplier a sum equivalent to 0.5% of the value of delayed materials/equipment for each week of delay and part thereof subject to a maximum of 5% of the total value of the order.
- 2.3.2 Alternatively, the University reserves the right to give the contract elsewhere at the sole risk and cost of the supplier and recover all such extra cost incurred by the University in procuring the materials from the other source.
- 2.3.3 Alternatively University may cancel the Purchase Order completely or partly without prejudice to its right under the alternatives mentioned above.
- 2.3.4 In case of recourse to alternative 2.4.2 and 2.4.3. above, the University shall have the right to repurchase the materials which is readily available in the market to meet the urgency requirements caused by supplier's failure to comply with the scheduled delivery period irrespective of the fact whether the material/ equipment is similar or not.
- 2.4 **Delivery Schedule:**
Time is essence of this order and no delay shall be allowed in the delivery time/ delivery schedule mentioned in the purchase order.
- 2.5 **Performance Bank Guarantee:**
The supplier shall ensure that all materials/equipment under this purchase order shall conform to University's requirements and specifications. An additional security in the form of Performance Bank Guarantee is essential for satisfactory performance of the equipment over a period of time. In view of this, the supplier shall be required to furnish a Bank Guarantee (10% of order value) as follows against any manufacturing defects/ poor workmanship/poor performance. In case any deficiencies are found during this period, the same shall be repaired/rectified/replaced free of cost. BG shall be from any Scheduled Bank or any other bank as approved by University from time to time in the prescribed Performa.
- a. Bank Guarantee for 10% of the order value with validity up to warranty period from the date of installation of equipment.

The University shall at its discretion have recourse to the said bank guarantee for recovery of any or all amount due from, the supplier in connection with the purchase order including of guarantee obligations. Checking/approval of supplier's drawings, inspection and acceptance of materials/equipment furnishing to effect shipment and/or work done by erection, installation and commissioning of the equipment by University or any other agency on behalf of the University shall not in way relieve the supplier from the responsibility for proper performance during the guarantee period.

2.6 **Insurance:**
Supplier shall arrange suitable insurance cover at his risk and cost.

2.7 **Removal of rejected goods and Replacement:**

- a) If upon delivery, the material/equipment is found not in conformity with the specifications stipulated in the purchase order, whether inspected and approved earlier or otherwise, such material / equipment will be rejected by the University or his authorized representative. A notice to this effect shall be issued to the supplier, normally within 30 days from the date of receipt of materials at our Stores.
- b) Supplier shall arrange suitable replacement supplies and remove the rejected goods within 30 days from the date of notice failing which, the goods shall be dispatched to vendor by road transport on 'freight to pay basis' at supplier's risk and cost.
- c) External damages or shortages that are prima-facie as a result of rough handling in transit or due to defective packing shall be intimated to the supplier within a period of one month of the receipt of the materials, spares etc. In case of internal defects, damages or shortages of any internal parts, which cannot ordinarily be detected on a superficial visual examination, due to bad handling in transit or defective packing, or any other reason, it should be intimated to the supplier within 3 months from the date of receipt of the material. In either case the damaged or defective materials should be replaced by the supplier free of cost.
- d) If no steps are taken within 15 days of receipt of intimation of defects or such other reasonable time as the University may deem proper to afford, the University may without prejudice to its other rights and remedies arrange for repairs/rectification of the defective materials or replace them entirely and recover the expenditure incurred on account of these actions from the deposits such as EMD, SD and performance guarantees or other monies available with the University or by resorting to legal action.

2.8 **Force Majeure:**

- 2.8.1 The supplier shall not be liable for delay or failing to supply the material for reasons of Force Majeure such as Act of God, Act of War, Act of Public Enemy, Natural calamities, Fires, Floods, Frost, Strikes, Lockouts etc. Only those causes which have duration of more than 7 days shall be considered for force majeure.
- 2.8.2 The supplier shall within 10 days from the beginning of such delay notify the University in writing the cause of delay. The University shall verify the facts and grant such extension of time as facts justify.
- 2.8.3 No price variation shall be allowed during the period of force majeure and liquidated damages would not be levied for this period.
- 2.8.4 At the option of University, the order may be cancelled. Such cancellation, would be without any liability whatsoever on the part of the University. In the event of such cancellation, supplier shall refund any amount advanced or paid to him by the University and deliver back any materials issued to him by the University and release facilities, if any provided by the University.

AUTHORISED SIGN OF TENDERER

SEAL

DATE:

PLACE:

Annexure -08

DEVIATIONS (Need to fill item wise)

Bidder's Name and Address

To

The Registrar,
C/O PI FIST-DST Program
Krantiguru Shyamji Krishna Verma
Kachchh University
Bhuj-370 001

Dear Sirs,

Sub:-Supply of _____ against enquiry
No. _____ dated _____.

We confirm that following are the only deviations and variations from any exception to specifications and tender documents for the above mentioned subject supplies against enquiry No. _____ which are irrespective of what-so-ever has been stated to the contrary anywhere else of our offer. These deviations and variations are exhaustive. Except for these deviations, the entire supplies shall be executed as per specifications and tender documents. Further, we agree those additional conditions, if any, found in our offer other than those stated below, save that pertaining to any rebates offered shall not be given effect to.

| SL.No. | Description of Deviation conditions of | Ref. of page, Clause | *Monetary | Implications | of the |
|--------|---|----------------------|-----------|---------------|-----------------------|
| | | | | bid documents | in case of withdrawal |
| | | | | (in figures) | (in words) |

*Note: Here the tenderer should indicate the amount of money, if any, which he would, charge extra (i.e. in addition to the rates quoted by him) for withdrawal of his conditions/deviations and accepting the condition as stipulated in tender documents. (Use additional sheet of the same size and format if necessary).

AUTHORISED SIGN OF TENDERER

SEAL

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PLACE:

Annexure – 09 (Need to fill item wise)

**Guidelines for Submission of Bank Guarantee towards Performance Security/
Advance Payment**

The Bank Guarantee shall fulfill the following conditions failing which it shall not be considered valid:

1. Bank Guarantee shall be executed on non-judicial stamp paper of applicable value purchased in the name of bank. Non-judicial stamp paper shall be used within 6 months from the date of purchase.
2. Bank Guarantee executed on the stamp paper of more than 6 months old shall be treated as invalid.
3. The contents of the Bank Guarantee shall be as per our proforma (Annexure- 10)
4. The Bank Guarantee should be executed by a scheduled bank or banks viz. _____
5. The executor of Bank Guarantee (Bank Authority) should mention the Power of Attorney No. and date executed in his/her favour authorizing him/her to sign the document or produce the Photostat copy of Power of Attorney.
6. All conditions, corrections, deletion in the Bank Guarantee should be authenticated by signature of Bank Officials signing the Bank Guarantee.
7. Each page of Bank Guarantee shall bear signature and seal of the Bank.
8. Two persons should sign as witnesses mentioning their full name and address.

**Principal Investigator
FIST – DST Program
Department of Earth and Environmental Science
K S K V Kachchh University, Mundra Road, Bhuj - Kachchh**

AUTHORISED SIGN OF TENDERER

SEAL

DATE:

PLACE:

Annexure –10 (Need to fill item wise)

BANK GUARANTEE PROFORMA FOR PERFORMANCE SECURITY/ADVANCE PAYMENT

This agreement has to be executed on a Non-Judicial stamped paper worth 300/-

Whereas the here-in-after called (The Bidder) has submitted their bid dated.....for the supply of..... (Here-in-after called “the Bid”)..... KNOW ALL MEN by these presents that we..... (Here in after called “the Bank”) are bound unto Registrar, Krantiguru Shyamji Krishna Verma Kachchh University, Bhuj, Gujarat. Hereinafter called “the purchaser”) in the sum of `..... for which payment will and truly to be made to the said purchaser, the bank binds itself, its successors and assigns by these presents. Sealed with the common Seal of the said Bank thisday of.....2020

THE CONDITIONS OF THIS OBLIGATION ARE:

1. When the successful tenderer does not accept the order after issue of preliminary acceptance letter/letter of indent/purchase order.
 2. When the successful tenderer fails to furnish the security deposit within 30 days from the date of issue of preliminary acceptance letter or the letter of indent or Purchase Order.
 3. When tender is disqualified for reasons outlined in.
 4. When tenderer alters his prices or withdraws his offer during the validity period.
- We undertake to pay to the purchaser the above amount within one week upon receipt of its first written demand without the purchaser having to substantiate his demand, without referring to the supplier and without questioning the right of University to make such demand or the propriety or legality of the demand provided that in its demand the purchaser will note that the amount claimed by it is due to it owing to any of the occurrence of the above mentioned conditions, specifying the occurred condition or conditions.

Notwithstanding anything contained in the foregoing our liability under this guarantee is restricted to _____ (Rupees _____ only). Our guarantee is shall remain to in force until _____. Unless a claim within 3 months from that date, all your rights under this guarantee shall be forfeited and we shall be relieved and discharged from _____ all _____ liability _____ thereafter. We _____ Bank Limited lastly undertake not to revoke this guarantee during its currency except with the previous consent of University in writing.

Date the _____ Day _____ 2020 for _____ Bank Ltd.,

AUTHORISED SIGN OF TENDERER

SEAL

DATE:

PLACE:

ANNEXURE-11

TECHNICAL BID FORM (Need to fill item wise)

| Sr. No. | Documents | Copy submitted or not (Yes/No) |
|----------------|---|---------------------------------------|
| 1 | The Company / the tenderer should be in existence for the last 5 Years As per Annexure -02 | |
| 2 | The Company/ the tenderer should have earlier supplied TWO TIMES the quantities of the items being in the current tender in any of the last two financial years to the Universities or Research organizations. | |
| 3 | The tenderer should be a Manufacturer or the authorized representative of equipment or other respective products/items | |
| 4 | The tenderer/tenderer's group should have a turnover a minimum of more than 5 times the Bid value of the tenderer in each of the last three financial years. | |
| 5 | Audited financial statements that are Balance Sheet, Income & Expenditure and Profit & Loss accounts in support of having required turnover in each of the last three financial years. IT returns for the last three financial years. | |
| 6 | Technical Specifications of Annexure – 05 (Complied or Not-Complied report) along with supporting documents of the items bided (items 1 to 9), for the scientific equipment clearly mentioning the make and model | |
| 7 | The latest Income Tax Clearance Certificate (GST) | |
| 8 | List mentioning the addresses and contact persons with phone numbers of the Service Centers | |
| 9 | The list of customers, to whom the bidder had supplied identical materials in the past along with P.O. details and performance report, if any. | |
| 10 | Annexure – 08 | |
| 11 | All annexures has to duly signed and sealed by the tenderer before uploading it to online and send physically by RAPD | |
| 12 | All necessary documents as per Annex. – 3 need to scanned and signed and should be uploaded | |

AUTHORISED SIGN OF TENDERER

SEAL

DATE:

PLACE:

ANNEXURE – 12
COMMERCIAL BID FORM

| Sr. No. | Description of Work (Equipment Names) | Quantities | Price in FOR Bhuj in INR or in foreign currency |
|----------------|---|-------------------|--|
| 1. | Motorized Upright Microscope with Cytogenetic Work station with Karyotype and FISH | 01 | |
| 2. | Stereo Microscope with camera and light attachment | 01 | |
| 3. | Polarizing Microscope (Price per microscope and for 25 need to be quoted) | 25 | |
| 4. | CHNS and NC soil Analyzer | 01 | |

***DSIR certificate will be provided**

AUTHORISED SIGN OF TENDERER

SEAL

DATE:

PLACE: