VISVA-BHARATI
SANTINIKETAN
DEPARTMENT OF BOTANY (DST-FIST PROGRAMME)

Ref. No. DST/FIST/BOT/01-10/2015-16 **Date: 23.02.2016**

NOTICE INVITING TENDER (PURCHASE OF EQUIPMENT)

On behalf of the Botany Department, Visva-Bharati, Santiniketan, Head of the Department, Botany, Visva-Bharati invites sealed bids under two bid system (**Technical & Financial**) from the manufacturers (OEMS) or their authorized Indian agents/dealers/ distributors for procurement of **Fluorescence Microscope, Spectrofluorometer, Gel Doc System with Chemiluminiscence Imager, Real Time PCR, Upgradation of existing HPLC system (Waters) into Analytical cum Semi-Preparative & Preparative HPLC, Kjeltech Semiautomated Distillation Unit & Digestor, Deep Freezer (-86°C), Sonicator, UV-Vis Double beam spectrophotometer and 10 No. Trinocular Research Microscopes.**

Sealed bidding documents (Technical Bid and Financial Bid along with EMD) duly filled in as per the instructions of the Tender Document should be addressed to the **Head, Department of Botany and must reach latest by 5 pm on 24.03.2016** only through '**REGISTERED POST/SPEED POST/COURIER**' on or before the stipulated date and time.

The Tender documents can be downloaded from the official website of the university www.visva-bharati.ac.in. The bidders should furnish a non-refundable tender fee of **Rs. 500/-** by way of Bank Draft/Pay Order in favour of **Accounts Officer, Visva-Bharati payable at Santiniketan** along with the Bidding Documents and EMD (as mentioned next to the respective item in Annexure – I). **Separate tender must be submitted for individual instrument, with tender fees & EMD.**

The Technical Bids shall be opened in the office of the Head, Department of Botany at **11:30 am on 26.03.2016**, by the Committee authorized by the competent authority of Visva-Bharati in the presence of such bidders who may like to be present.

The financial bids of the technically qualified bidders will be opened at **2:30 pm on 29.03.2016.** Any change regarding the date of opening bids will be uploaded in the official website of the institute.

All bidders are requested to read carefully the terms and conditions, as laid down in the NIT. The Competent Authority reserves the right to reject any or all the bids without assigning any reason and the decision of the competent authority of Visva-Bharati shall be final and binding.

Head 23.2.16
Department of Botany
Visva-Bharati, Santiniketan
प्रफेसर एवं विभागाध्यक्ष / Professor and Head
वनस्पति विज्ञान विभाग / Department of Botany
विश्वभारती / Visva-Bharati
शान्तिनिकेतन / Santiniketan-731 235

TERMS AND CONDITIONS OF THE NOTICE INVITING TENDER

1. GENERAL INSTRUCTIONS

a) For the Bidding/Tender Document Purposes, Head, Department of Botany, Visva-Bharati shall be referred to as Purchaser and the Bidder/Successful Bidder shall be referred to as Supplier and/or Bidder or interchangeably. For any query please contact headbotanyvb@gmail.com.

b) The firm having good profiles and high standard reputation in dealing with such sophisticated scientific equipments are only eligible to take part in tender.

c) The sealed bidding documents should be send to the Head, Department of Botany, Visva-Bharati **only by 'REGISTERED POST/SPEED POST/COURIER'** on or before the stipulated date and time. The Tender documents can be downloaded from the official website of the university www.visva-bharati.ac.in. The bidders should furnish the tender cost of **Rs. 500/-** by way of Bank Draft/Pay Order in favour of Accounts Officer, Visva-Bharati payable at Santiniketan along with the Bidding Documents and EMD.

d) The tenders should be sent in sealed covers superscribing as "Tender for supply of ……." to HOD, Dept. of Botany, Visva-Bharati, Santiniketan, 731235. Inside, it should contain two sealed covers for **Technical** (Annexure-IIA, IIB, III, V and VI) and **Financial bid** (Annexure-IV) superscribing as "Technical bid for ……." and "Financial bid for ……." respectively.

e) If the bidder submits more than one tender application, separate tender cost is to be deposited with each tender application.

f) EMD as mentioned in Annexure I, next to each Instrument for each specified item in the form of D/D drawn in favour of '**Accounts Officer, Visva-Bharati**' payable at 'State Bank of India, Santiniketan Branch', must be enclosed with Technical bid. Tender will be considered CANCELLED without EMD. The EMD for the qualified vendor will be kept as Security Deposit and will be refunded after successful execution of work. EMD of the non qualified vendors will be returned.

g) The Bidder is advised to check the Tender Documents carefully before submission of bid. **No claim on account of any errors detected later in the tender documents shall be entertained**.

h) Each page of the Tender documents must be stamped and signed by the person or persons submitting the Tender in token of his/their having acquainted himself/ themselves and accepted the entire tender documents including various conditions of contract. **Any Bid with any of the Documents not signed is liable to be rejected at the discretion of the Tender issuing authority**. Any correction, deletion or Erasures, overwriting should have to be endorsed by the competent authority or signatory otherwise the tender will be liable to be cancelled.

i) No page should be removed/detached from the bidding document. Any deviation of/incomplete formats/Annexures as specified in the bidding documents will be treated as non- submission of formats/Annexures.

j) The bidder shall attach the copy of the authorization letter/power of Attorney as the proof of authorization for signing on behalf of the Bidder in the bidding document.

k) All Bidders are hereby explicitly informed that conditional offers or offers with deviations from the conditions of Contract, the bids not meeting the Essential Qualification Requirement/Minimum Eligibility Criteria, Technical Bids not accompanied with EMD of requisite amount/format, or any other requirements, stipulated in the tender documents are **liable to the rejected**.

l) The bidder should submit self declaration to the effect that he is free from any encumbrance and has no case of legal conviction in any form.

2. ESSENTIAL QUALIFICATION REQUIREMENTS

The following shall be the minimum eligibility criteria for selection of bidders technically.

a) Bids from Original Equipment manufacturer (OEM) or their authorized Indian Agents are preferred. If the firm is not OEM, it should have international reputation having sufficient expertise and experience in the subject tender with sound warranty/technical and manpower service support capability (Enclose supporting documents). **A valid authorization stating dealership/distributorship certificate from OEM must be enclosed ((as per the format given in Annexure V)** along with the Technical Bid. The authorization should be on the letterhead of the OEM and should be signed by a competent person of the manufacturer.

b) Manufacturer must have comprehensive production facility with test centers duly recognized by Government Agencies (like ISO) or other quality control standards as applicable in the respective countries.

c) Submission of duly filled in and signed compliance certificate **(as per Annexure IIA & IIB)** are must with the Technical Bid.

d) Credential for dealing with business of sophisticated scientific equipments for at least five years with list of clients to whom such equipments were supplied (Govt. Org. preferable) (**as per Annexure III).** The firm must have an **Annual turnover for at least Rs. 50 Lakhs** during last three consecutive years supported by the Audited Balance Sheet.

e) Self attested copy of **Registration certificates** of the firm/company and **PAN** should also be submitted. Copies regarding **recent tax** clearance certificate of VAT, CST, Service Tax, P. Tax. etc. should also be provided.

f) **Technical Supporting Staff** – The bidder should have trained and qualified customer support staff with ample experience in the required field. Complete details of branch offices and support staff should be provided. Name, Designation and contact no. of the qualified Engineer/s who will provide services to us against the supply should also be provided.

g) The filled up tender should be accompanied by a non-refundable D/D for the amount Rs.500/- drawn in favor of '**Accounts Officer, Visva-Bharati**' payable at SBI, Santiniketan Branch. Tender submitted without D/D is liable to be cancelled. Separate D/D is to be enclosed for each item.

h) The HOD reserves right to issue any amendments in the tender document or part thereof at any time prior to but five days before the deadline of submission of the tender and such change will be deemed as integral part of the tender. This will be published through our web-site.

i) The decision of the Technical Committee/Tender Committee will be final and cannot be challenged in any Court of Law.

j) The HOD reserves right to cancel the work order issued to the successful vendor, fully or partially without assigning any reasons to the vendor and there will be no claim for any compensation to the affected vendor, if arises out of such cancellation.

k) All disputes will be under the jurisdiction of Suri court at Birbhum district or by a Tribunal consisting of three persons- Two from the side of the University and One from the bidder, if agreed by the bidder to settle the dispute out of the court.

l) Non-compliance to any of the above criteria will lead to disqualification of the bid.

3. BIDS

3.1. VALIDITY OF BIDS

a) Bids shall remain valid and open for acceptance for a period of 120 days from the last date of submission of Bids.

b) The Client may request for extension for another period of 60 days, without any modifications and without giving any reason thereof.

3.2. TECHNICAL BID:

Technical Bid should be prepared as per the instructions given in the Tender Document along with all required information, documents in support of the minimum eligibility criteria, Valid EMD of requisite amount.

Documents comprising the Bid:

a) **Technical Bid Submission Form** (**Annexure VI**) duly signed and printed on **letterhead** of the bidding firm/company.

b) Earnest Money Deposit as mentioned in Annexure I, next to each Instrument.

c) All attested supporting document in proof of having fully adhered to minimum eligibility criteria as referred to above.

d) The Technical Bid Signed and Stamped on each page of the tender document should be kept in a separate sealed envelope, superscribed as **"Technical Bid for Tender No. DST/FIST/BOT/01-10/2015-16 dated 23.02.2016 for …. …. Sl No. ___"** with the Name and address of the Bidder.

e) Soft copy of Technical and Financial Bid (provided separately) should be provided in a CD.

3.3. FINANCIAL BID:

Financial Bids of only those bidders who qualify in the Technical bids will be considered.

a) Bidder should prepare financial Bid in the Price Schedule **(Annexure IV)** as provided in the Tender document. Then the financial bid should be kept in a separate sealed envelope, superscribed **"Financial Bid for the Tender No. BOT/DST-FIST/01-10/2015-16 dated 23.02.2016 for …… Sl. No. ____"** with the Name and address of the Bidder.

b) All price components will have to be indicated separately. A final price must be provided in the **bid that should be inclusive of all charges like VAT/CST, Insurance, Custom Duty, Packing, installation etc.** The bidder should quote the **FINAL PRICE in the financial bid both in figure and words**. **The final rate indicated in 'word' will be considered for evaluation of lowest bidder.**

c) In case of foreign origin equipment **CIP KOLKATA** Airport/Port value should be quoted in **FOREIGN CURRENCY**. Please note that DSIR certificate will be issued by the University. Please indicate clearly the Indian Agent commission separately (if any) which will be paid in INR after satisfactorily installation & commissioning and operation of the equipment. The indigenous components/accessories such as computer/printer/UPS (**if charged separately**) should also be quoted in INR.

d) Please note that the **exchange rate** (in case of foreign purchase) for the foreign currency on opening date of **Financial Bid** will be considered for evaluation of lowest bid.

e) Acceptance process of the supplied equipment will be considered complete only after the successful installation and Commissioning of the equipment at Dept. of Botany, Visva-Bharati, Santiniketan. **The vendor will arrange for on-site training for operation of the equipment at own cost.**

f) Please indicate cost for other ancillary items (if any) separately (Optional price) which may be required for Pre-Installation and operation of the equipment. Otherwise any delay in installation and operation will be onus of the vendor and any cost in this effect will be borne by the vendor.

g) Please indicate the tentative delivery schedule in the financial bid and in case of breach of delivery schedule for more than two month Liquidated damage @ 0.5% of the work value per week will be deducted from the Security deposit.

h) Please indicate the **charges separately (Optional price) for comprehensive AMC** (including spares) of upto four years after expiry of Warranty/Guaranty period. This will not be included in evaluating the L1.

i) Vendors are encouraged to provide **free On-Site Service only AMC** (without spares) for an additional period of up to 4 years.

j) Vendors can also include **small compatible instruments/consumable for FOC along with the main item as promotional offer.** This should be in addition to the Essential Requirements asked for in the Specifications for each item in Annexure I.

3.4. LAST DATE

The **last date of receiving tender is 24.03.2016, 5:00 PM.** Any Bid received by the office after the deadline for submission of bids, as stipulated above, shall not be considered.

3.5. BID OPENING PROCEDURE

a) The Technical Bids shall be opened at the Office of the Head of the Department of Botany, Visva-Bharati at **11.30 am on 26.03.2016** by the Committee authorized by the competent authority of the university in the presence of such bidders who may wish to be present or their representatives.

b) The financial bids of only those bidders, whose Technical Bids are qualified on the basis of shall be opened by the Committee authorized for the purpose.

c) A **letter of authorization** should be submitted by the Bidder's representative who wishes to be present in the bidding process, before opening of the Bid.

d) Absence of bidder or their representative shall not impair the legality of the opening procedure.

e) All the presented Bidders or their representatives shall be required to sign the main bid envelope to ensure the correctness of the bid.

f) After opening of the Technical Bids, the technical bids and EMD shall be evaluated later to ensure that the bidders meets the minimum eligibility criteria as specified in the Tender Document.

g) Refusal to sign the bid envelope by the bidder or his representative shall disqualify the bid based on the decision of the Tender Opening Committee.

h) Bids shall be declared as Valid or Invalid based on the preliminary scrutiny, i.e. compliance to minimum eligibility criteria and verification of EMD by the Tender Opening Committee. However, detailed technical evaluation as stipulated in Annexure I shall be done only in respect of Valid Bid.

i) The date fixed for opening of bids, if subsequently declared as holiday by the Government, or cannot be held for other technical reason, the revised date of schedule will be notified on the institution's website. However, in the absence of such notification, the bids will be opened on next working date, time and venue remaining unaltered.

3.6. EVALUATION OF FINANCIAL BIDS

LOWEST BIDDER will be evaluated on the basis of composite lowest offer for Basic equipment and other ancillary items (Cost for Comprehensive AMC will not be considered for determining the L1). Each item will be evaluated independently.

4. POST-SALE REQUIREMENTS FOR SUCCESSFUL BIDDER

Successful bidder will have to deposit Performance security @ 10% of the total work value (INR) within 21 days of receipt of the Purchase Order, which will be refunded within one month of expiry of warranty period after satisfactory performance of the equipment within the warranty period. For equipments quoted in foreign currency, performance security should be provided considering the exchange rate as on opening date of the financial bid. There will be no accrued interest for such deposit.

The Performance security shall be in one of the following forms and valid till 60 days after the warranty period.

a) A Bank Guarantee or stand-by Letter of Credit issued by a Nationalized/ Scheduled bank located in India or a bank located abroad having its branch in India or
b) A Banker's Cheque or Account Payee demand draft in favour of the Accounts Officer, Visva-Bharati or
c) A Fixed Deposit Receipt pledged in favour of Accounts Officer, Visva-Bharati.

The supplier will be liable to arrange post-sale service and supply of spares, maintenance after expiry of warranty/guaranty offered by the Manufacturer, for a period of **at least ten year** from the date of installation or the expiry of warranty period whichever is later.

5. WARRANTY

The Supplier warrants that **all the Equipments are new, unused**, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

The Supplier further warrants that the Equipments shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in India.

Unless otherwise specified, the **warranty shall remain valid for twelve (12) months** after the Equipments has been delivered to and **successfully installed at the final destination**.

The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.

Upon receipt of such notice, the Supplier shall, within a reasonable period of time (maximum one month), expeditiously **repair or replace the defective Equipment or parts thereof, at no cost to the Purchaser.**

If having been notified, the Supplier fails to remedy the defect within a reasonable period of time, the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

Equipments requiring warranty replacements must be replaced on free of cost basis to the purchaser at the site. No travelling/carrying cost and allowances/any other cost will be paid by the purchaser during warranty period.

6. TERMS OF PAYMENT

a) The payment will be made after successful delivery and installation of the equipment at the final destination. A report should be prepared by the supplier regarding successful installation and fine working of the supplied equipment to the purchaser.

b) The method and conditions of payment to be made to the Supplier shall be as specified in the Purchase Order/Contract.

c) The supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and the Services performed, and documents submitted pursuant to Delivery and upon fulfilment of other obligations stipulated in the contract.

d) Payment shall be made in currency as indicated in the contract.

e) No advance payment will be made. However, on special request the University can arrange to provide a photocopy of the draft prepared in the name of the OEM. The original draft will only be handed over after successful installation of the instrument.

Annexure I
Name of Instrument with Specifications

Sl No	NAME OF INSTRUMENT WITH SPECIFICATIONS*	Unit	EMD (in INR)
1.	**Fluorescence Microscope with Karyotype Analysis Software** **SPECIFICATIONS:** **1) Upright Microscope that can be used for Bright Field, Dark Field, Phase Contrast, Feulgen Stain & Fluorescence.** 2) Transmitted light illumination 12 volt / 100 Watt or 50 Watt or durable transmitted light LED illumination (approx 40000 hrs or more) for constant color temperature independent of illumination intensity and without need of any Koehler adjustment. 3) The intensity adjustment of the transmitted-light illumination is arranged on both sides close to the focus drive which can be operated with both hands. 4) Binocular photo tube with minimum 23 mm field of view. 5) Mechanical stage for biological applications, with ceramic coated plate, 110° rotation, travel range 76x25mm, right hand handling, with bracket and condenser holder 6) Additional stage plate attachable with the object guide for the moving the slide by hand. 7) Objective nosepiece should be Coded 7-fold & should come with fluorescence axis with motorized Fluorescence Intensity Manager & Motorized field diaphragm disc. It should have motorized 5-fold turret for fluorescence filter cubes and analyzer block. Including cover for objective turret. Motorized 7 position Condenser. 8) Hextuple nosepiece. With Objectives 10x, 20x, 40x & 100x (oil) and 10x eyepiece with minimum 23 mm FOV. 9) Incident light Fluorescence with UV, Blue & Green filters. 10) Self adjustable fluorescence illumination 11) Fluorescence: Motorized Filter turret with 5 or more positions. Adjustable aperture and field diaphragms; should have body inbuilt 4 / 5 position light intensity filter wheel / slider. With 120W/130W Alignment free Metal Halide light source with a minimum life span of 2000 Hrs. 12) Fluorescence filter for **DAPI** (Excitation: 350/50 Dichroic: 400,Emission: 460/50), **FITC** (Excitation: 480/40,Dichroic: 505, Emission: 527/30), **RHOD** (Excitation: 546/10,Dichroic: 510, Emission: 585/40), **Filter C/Y/R** (Excitation 436/8, 495/12, 580/20, Dichromatic: 445, 510, 595 Emission: 460/25, 535/35, 630/55); All filters should not have any pixel shift. 13) CCD Camera: Camera should be a cooled fluorescence color camera with USB3.0 interface. Ideally suited for both- low light fluorescence application and brightfield imaging with superb color reproduction. The camera should have 1920 x 1440 pixel. Partial scan, various binning modes, and overlapping mode for high-speed imaging should be available. The camera should be designed for live cell applications with an operating environmental	1	75,000

temperature of +5 °C - +50 °C.; 40 fps to 90 fps for different binning mode; Pixel size 4.54 µm x 4.54 µm; A/D converter 16 Bit: Along with Microscopy 0.5x ~ 0.7x C-mount for Trinocular port.

14) Digital Photomicrography with minimum no. of pixels: 1388 (H) x 1038 (V), monochrome; minimum pixel size: 4.65 µm x 4.65 µm; minimum chip size: 1/2″.
15) **Digital Photomicrography with Image Analysis Software for in-situ nuclear-DNA estimation in feulgen stained cell populations / Measurement of absolute/relative amount of DNA per nucleus (2C &4C values).**
16) Image Analysis Software for Interactive measurement: length, contour-based measurement data (area, box, perimeter, gray values), angle. Movie Recorder: enables films to be acquired. Up to three independent image containers, image comparison view. Gallery view. Channel view. Histogram measurement. Profile measurement. 2.5D (pseudo-3D) view. Info view.
17) Image processing. Segmentation of individual regions or the entire image simply by clicking on reference objects, defining threshold values in the histogram or using the automatic threshold value method.
18) Automatic object separation and interactive editing of the measurement mask.
19) Measurement of geometric and intensity parameters at individual objects or in the entire image.
20) Marking of measured objects and display of freely selectable measurement parameters in the graphics plane.

ADDITIONAL ESSENTIAL REQUIREMENTS:

1) A branded computer with at least 21" LED monitor & genuine operating system (Windows 7 or higher) and other softwares and a **Color Laser Printer**
2) System should be supplied with a 2 KVA (or more) online UPS with standard back up suitable for running the microscope and the PC.
3) System should come with 1 year warranty from date of installation with additional two years maintenance service

OPTIONAL REQUIREMENTS (MUST BE QUOTED SEPARATELY):

Karyotyping software. The software should be capable of

1) Handling G-,R-,Q- banding, polyploid cells and markers.
2) Automatic capture: In bright field imaging, only the microscope light level needs to be adjusted.
3) Capture Multiple field's (large metaphases).
4) Verify and correct unlimited processing steps
5) Individual fields may be saved, or stray chromosomes may be copied to create an image including all chromosomes
6) Automatic counting function with interactive correction.
7) Separation of touching, overlapping, clustered chromosomes should be done without selecting different functions allowing for fast metaphase preparation.

2.	**<u>Fluorescence spectrophotometer</u>** **SPECIFICATIONS:** 1) Microprocessor controlled fluorescence spectrophotometer that must be ideal for High-speed Fluorescence, Phosphorescence, Luminescence, and 3 dimensional time scan measurement (contour potting-fluorescence/ Phosphorescence, bird's eye view etc.). 2) Capable of high speed scanning of 60000 nm/min. 3) Spectral Range: 200-750nm or higher 4) Mchanically ruled stigmatic concave diffraction grating instead of any type of holographic grating. 5) Automatic prescan and shutter controlling function for optimizing of measurement and also deterioration of unknown sample. 6) Continuously variable voltage photomultiplier with a sixth order dynamic range important for the analysis of unknown samples 7) Zero point correction ratio photometry. 8) Should be capable of measuring the entire wavelength range within 1 second. 9) Spectral Bandwidth: 1, 2.5, 5, 10, 20 nm (Both excitation and emission) 10) Detector: High Performance Photomultiplier Tube 11) Light source: 150 W Xenon flash lamp with self-deozonating lamp house to reduce photo bleaching of samples 12) Sensitivity: Higher sensitivity with S/N 800 or better (RMS) using Raman band of water S/N 250 or better (Peak to Peak) Excitation wavelength 350nm, bandwidth 5 nm, response 2s using photomultiplier. The background noise sensitivity must be S/N 15000 (RMS) or more. 13) Monochromator: Mechanically ruled stigmatic concave diffraction grating (F2.2) for getting a mirror-finished groove surface for high diffraction efficiency 14) Brazed wavelength: Excitation side 300nm,emission side 400nm 15) Auto Gain: Possible to measure upto 6 digit concentration values or better. 16) Time scan: Should have first to fourth order differentiation with area calculation and smoothing Minimum data interval should be 1.0 ms 17) Sensitivity selection: Automatic sensitivity measurement function and pre-scan mode 18) Wavelength Accuracy: ±1nm or less 19) Resolution: 1.0nm or better 20) Photometric value range: -9999 to 9999 21) Working temperature/ humidity: 15 to 35ºC, 45 to 80% (condensation not allowed, 70% or less at 35ºC or higher) for better longevity 22) **Standard Software:** Uer friendly software that is enable to measurement of intermolecular actions like FRET & BRET and 6 digit concentration values preferably; Program for controlling the instrument and its accessories; 3-dimensional time scan measurement and Data processing features such as quantitative analysis, cumulative data averaging, first to fourth order differentiation, statistic calculation, wavelength scan measurement, time based measurement such phosphorescence life time, etc**.**	**1**	**30,000**

	ADDITIONAL ESSENTIAL REQUIREMENTS: 1) A compatible temperature controlled thermostatic cell holder (temp range approx 5°C to 60°C) for analysis of biochemical samples. 2) 1 pair of each 3.5 ml, 1 ml and 0.35 ml quartz cuvettes 3) A branded PC & genuine operating system (Windows 8 or higher) and a Laser Printer 4) System should be supplied with a 2 KVA (or more) online UPS with atleast 15 minutes back up suitable for running the Fluorometer and PC. 5) System should come with 1 year warranty from date of installation with additional two years maintenance service\		
3.	**<u>Gel Doc System with Chemiluminiscence Imager</u>** **SPECIFICATIONS:** 1) The system should be capable of detecting the following applications/dyes – 2) **Chemiluminiscence, Chemifluorescence**, Quantum dots, **Silver stain, Ethidium Bromide, Coomassie Blue**, Flamingo, Nano orange, Sypro ruby, Sypro orange, Sybr safe, Sybr gold, Oligreen, **Pico green**, Texas red, Cy2, Pro Q emerald, **FITC** 3) System with true 16 bit CCD (not A/D) camera; pixel density of 65,536 gray levels. 4) Pixel size should be at least 4.65 x 4.65 µm or bigger. 5) Image resolution > 4 megapixel. 6) Dynamic range should be at least 4 orders of magnitude. 7) Minimal dark current with maximum limit of 0.001 e-/p/s. 8) The camera should have peltier based cooling of minimum -30°C Absolute or -50°C from Room Temperature. 9) Quantum efficiency at 425 nm should be 55%, at 600 nm 60% and peak quantum efficiency as 75% or better. 10) Motorized zoom lens with C-mount, f/1.2, 12-75 mm. 11) Light sources should include – Trans-UV, trans-white, epi-white and should have option for trans blue (for SYBR safe DNA application). 12) Should have preparative UV mode for DNA band excision. 13) Minimum sample size accommodated should be 28x36 cm 14) Should have Autofocus feature with precalibrated focus for any zoom setting or sample height. 15) System should have 100% automatic Iris adjustment for all compatible applications. 16) The system should have Dynamic image flat fielding which precalibarted and optimized for every reaction. 17) Should be capable of imaging stain free gels and stain-free blots. 18) **System Software should have the following features:** (i) Highest level of automation in hardware calibration, image optimization, capture, and analysis. (ii) Automated workflow recorded in a protocol file from image capture to	**1**	**25,000**

	results. (iii) 100% repeatability of the workflow by any user and ensures optimized image data and analysis from a gel in a single uninterrupted, fast, and completely reproducible workflow. (iv) Automated image capture driven by a selected gel or blot application. (v) Generate customizable reports and publication ready images (dpi, dimension and format) with one click export option. (vi) Automatic print when only imaging and printing is required. (vii) Easy copy/paste crop, zoom, 3D colors setting functionality. (viii) Signal Accumulation Mode (SAM) for easy optimization of exposure time for chemiluminescent detection. (ix) Software should not require any license registration with possibility to be installed in unlimited number of computers with complete analysis features. **ADDITIONAL ESSENTIAL REQUIREMENTS:** 1) A branded computer and Laser Printer. The computer must have genuine operating system (Windows 8 or higher) 2) System should be supplied with a 2 KVA (or more) online UPS with standard back up suitable for running the instrument and the PC. 3) System should come with 1 year warranty from date of installation with additional three years maintenance service 4) The vendor should have a good number of installation PAN India & at least 5 installations in Kolkata & Adjacent area.		
4.	**<u>Real Time PCR</u>** **SPECIFICATIONS:** 1) Real time PCR with peltier based block of 96 x 0.2 ml tubes or plate to Run typical 0.2 ml tubes, strips, and plates. 2) Should have a gradient capacity with dynamic ramping. 3) Temperature range 0–100°C with accuracy of ±0.2ºC and uniformity of ±0.4ºC within 10 sec of arrival at 90ºC 4) The system should have a ramp rate of 5ºC per sec or better. 5) Should have a Detection of 2 or more different fluorescent reporters in the same tube without the use of ROX. 6) Should be capable of Detecting FAM/SYBR Green, VIC, HEX, TET, CAL Fluor Gold 540 or more. 7) Should have one channel dedicated for FRET experiments without the need of a service engineer to change the filters. 8) Should have an Excitation –Emission range of 450- 580 nm 9) No internal reference dye should be required. True 2 Color Multiplexing with use of 2 different flourophores without the need of additional internal reference dye 10) Should have 3 filtered LEDs as an excitation source with 3 filtered Photodiodes for detection.	**1**	**25,000**

	11) Should have a Dynamic range of 9 orders or more. 12) The system should be an Open system capable of running various chemistries using TaqMan, Molecular Beacon, SYBR Green etc without change of hardware. 13) Reaction volume should be 10-50 µl or more. 14) Should have built in data analysis modules with advance features like well highlighting, QC flags and custom data view assist with quick analysis. 15) Should be capable to perform Automatic allelic discrimination by end point fluorescence or threshold cycle. 16) Should be capable to perform Gene expression analysis by relative quantity (ΔCt) or normalized expression (ΔΔCt). 17) End point analysis for upto 2 fluorophores 18) Should have mode for Melt curve analysis 19) Comparison of upto 5000 Ct values from different data files should be possible **20) Software requirement:** (i) Software should have express load feature which allows entry of data after experiment. (ii) Should be licensed for Research applications. (iii) **System should be compliant with the MIQE Guidelines** (iv) System should be provided with a license copy of qbase plus software from Biogazelle which is RDML compliant, and helps in Normalization, to access post –PCR Quality, helps in inter run calibration, geNorm, helps in bio-statistical analysis, CNV Analysis and MIQE Compliancy. (v) Software should be capable to import and analyze data from any real time PCR platform. **ADDITIONAL ESSENTIAL REQUIREMENTS:** 1) A branded computer (desktop/laptop) & genuine operating system (Windows 8 or higher) and a Laser Printer 2) A 2 KVA (or more) online UPS with atleast 30 minutes back up, sufficiently capable to run the PCR machine and the computer system 3) System should come with 1 year warranty from date of installation with additional three years of maintenance service		
5.	**<u>Upgradation of existing HPLC system (Waters) into analytical cum semi-preparative & preparative HPLC</u>** **SPECIFICATIONS FOR SPECIFIC REQUIREMENTS:** **A) <u>PHOTO DIODE ARRAY DETECTOR</u>** 1) Wavelength range : 190-800 nm 2) Wavelength repeatability :± 0.1 nm 3) Wavelength Accuracy : ± 1 nm.	**1**	**40,000**

	4) Optical resolution : 1.2 nm 5) Date Acquisition : Up to 80 Hz 6) Light Source: Deuterium arc lamp; Lamp should be of 2000 hrs warranty. 7) Flow cell Design: Taper Slit only. 8) Both Analytical & Semi-Preparative Flow cell must be provided separately. 9) Cell Volume: 8.4 ul for analytical cell & 16.3 ul for Semi-Preparative cell. 10) Spectral Resolution/Optical Band pass: 1.2nm per photodiode with a total of 512 photodiodes, digital and optical (3D mode) 11) Operating mode : Both 2D and 3D 12) Digital Resolution: 1.2nm – 600nm (2D mode) 13) Sensitivity Setting Range: 0.0001 – 2.0000 AUFS. 14) Detector will be attached with existing Water HPLC system having software Empower 2. It should be compatible with the existing system. **B) <u>ACCESSORIES FOR SEMI-PREP</u>** 1) Extendable Flow Kit to make the Pump Flow Rate upto 22.5 ml/min/pump for all the Semi-Preparative & Preparative Application. Separate pump heads of 225 µl should be provided. 2) Manual Injector for Analytical & Semi-Prep loops & injector separately within same panel to have a Dual Injector Facility **C) <u>FRACTION COLLECTOR</u>** 1) The Fraction Collector should have a durable X-Y movement mechanism and 3-way diverter valve to manage the collection of purified peak fractions into Test Tubes, microtiter plates, eppendorf tubes, scintillation vials, bottles & flasks. It should be controlled by the software. 2) It should be Universal Fraction Collector for analytical and preparative HPLC with standard rack for 120 tubes up to 180 mm height & diverter valve for standard-applications (should be compatible with all racks). The maximal flow should be 300 ml/min. 3) Fraction collector will be attached with existing HPLC system & should be supported by Software to be attached with Breeze 2. It should be compatible with the existing system. **D) <u>COLUMNS & ACCESSORIES</u>** 1) Analytical Columns - Amino (NH2) 4.6 x 250mm, 5um. Analytical Phenyl Column - 4.6 x 250mm, 5um, Analytical Silica Column 2) Preparative Column - C18 , 10 x 250mm, 5um, C8 , 10 x 250mm, 5um , Amino (NH2) 10 x 250mm 5um 3) Spherisorb ODS2 Prep Column, 80Å, 5 µm, 10 mm X 250 mm, 1/pkg 4) Compatible Guard Columns with Holder: 5) Spherisorb Phenyl Guard Cartridge, 80Å, 5 µm, 4.6 mm X 10 mm, 3/pkg; Spherisorb Amino (NH2) Guard Cartridge, 80Å, 5 µm, 4.6 mm X 10 mm, 3/pkg, Spherisorb ODS2 Guard Cartridge, 80Å, 5 µm, 4.6 mm X 10 mm, 3/pkg 6) Sample Filtration kit as Syringe filters should be provided for Aqueous &		

	Non-Polar samples. Nylon Filters should be preferred of 0.2 um pore size 13mm & 25mm diameter. 7) Sonicator-Ultrasonic Bath 9Ltr - Ultrasonic Power: 250 watts, Chamber/Tank Size (Internal) 300mm L x 250mm W x 150mm H Tank Capacity: 9 Litres (approx.) Timer Mechanical 0-30 Min with degas option. **ADDITIONAL ESSENTIAL REQUIREMENTS:** 1) The PDA detector and fraction collector must come with 1 year warranty from date of installation with additional two years of maintenance service		
6.	**<u>Kjeltech Semi-automated Distillation Unit & Digestor</u>** **SPECIFICATIONS:** **<u>Kjeltech Distillation unit</u>** 1) The Kjeltech Distillation unit should be convenient and safe for rapid steam distillations. The distillate must be suitably collected in a receiver flask for subsequent titration. 2) Performs alkali dispensing and automatic distillation 3) The system must have built-in steam generator for distilled or tap water. 4) The unit must be capable of performing official determinations of nitrogen/protein according to the Kjeldahl method. 5) Other distillations that should be performed efficiently by the Distillation unit are Sulphur dioxide, Cyanide, Phenol, Alkaline Direct Distillation and Alcohol. 6) Power requirements: 230 V, 50-60 Hz **Block Digestor** 1) The digestor must have an 8 (eight) place digestion system 2) Built in Electronic Temperature Control 100-4400 C. & Digital display 3) 250 ml, Built in protection of block digestion 4) temperature not to exceed 4400 C 5) Scrubber for neutralization of acid fumes. 6) Exhaust system for handling tubes along with water aspirator, tube rack, heat shields & Retainer plate 7) Provision for measurement of actual temperature using external thermometer 8) Power consumption – 1100 W 9) Audible alarm alerts to advise the user regarding the completion of the digestion application, some errors/interruptions that has occured within the running application program. **ADDITIONAL ESSENTIAL REQUIREMENTS:** 1) Compatible Exhaust Unit 2) Alkali Tank: **1 Nos.**	**1**	**15,000**

	3) Receiver Flask 250 ml: **10 Nos.** 4) Test Tube 250 ml: **1 set** **5)** Test Tube 100 ml: **1 set** 6) Adapter for 250 ml Tube: **1 set** 7) Adapter for 100 ml Tube: **1 set** 8) Handling Device for Test Tubes 9) Digestion Tubes Straight 250 ml 8/pkg 10) Tube Rack for 8 Digestion Tubes of 250 ml: **1 Nos.** 11) System should come with **1 year warranty** from date of installation with **additional two years of free maintenance service**		
7.	**<u>Deep Freezer</u>** **SPECIFICATIONS:** 1) The freezer should be an upright model 2) Capacity: 400 litres or more 3) Must have atleast 5 compartments with 4 adjustable height shelves and individual inner door for each compartment 4) Must have hermetically-sealed two stage cascade system 5) Insulation by 5" thick polyurethane foam 6) Lowest temperature must go upto –86°C 7) Must maintain –86°C even at room temperature (upto 32°C) 8) Pull down time must be < 4.5 hrs 9) Micro Processor control of temperature and alarms with non-volatile memory 10) The On-Off switch must be located behind the locked panel, thereby preventing power from being accidentally turned off 11) Battery backup to activate alarms and display temperature during power outage 12) Should have audible and visible alarms for temperature, filter clean, power out, low Battery, system fail, fault analysis 13) Should have diagnostic software for fault condition 14) Outer door must be fitted with low temperature safe silicone triple point seal 15) Must have heated air vent with manual plunger to prevent vacuum formation 16) Must have auto restart function after power failure **ADDITIONAL ESSENTIAL REQUIREMENTS:** 1) A compatible voltage stabilizer/Online UPS 2) Upright rack for 2" tall boxes (for eppendorf tubes): **4 Nos.** 3) Upright rack for 3" tall boxes: **2 Nos.** 4) Upright rack for 4" tall boxes: **2 Nos.** **5)** Cardboard/Plastic box with water resistant coating, designed to withstand ultra-low temperatures with compatible 10 x 10 dividers: **20 Nos.** 6) A standard temperature probe to monitor the temperature in the freezer 7) System should come with 1 year warranty from date of installation with additional two years of maintenance service	**1**	**15,000**

8.	**<u>Sonicator</u>** **SPECIFICATIONS:** 1) Ultrasonic processor, for manual/stand operation that is suitable for working with sample volume up to 500 ml. 2) Instrument should have automatic frequency tuning system, and an automatic system that would protect dry running 3) Power: 100W; Power control: amplitude 20-100 % 4) Pulse range: 0-100% 5) Operating frequency: 30 kHz 6) Titanium made Sonotrode probe having tip diameter of 1 mm, length 80 mm (approx.), suitable for samples from 0.1 ml up to 5.0 ml 7) Titanium made Sonotrode probe having tip diameter of 2 mm, length 80 mm (approx.), suitable for samples from 2.0 ml up to 50.0 ml **ADDITIONAL ESSSENTIAL REQUIREMENTS:** 1) A suitable stainless steel stand and clamp 2) A stainless steel lift stand for easy positioning of samples under the probe 3) A sound protection box with vertically adjustable table 4) System should come with minimum 1 year warranty from date of installation with additional two years maintenance service 5) Quoted company must have factory trained experienced engineer & Kolkata based service station	**1**	**10,000**
9.	**<u>UV-Vis Double beam spectrophotometer</u>** **SPECIFICATIONS:** 1) Microprocessor controlled UV-VIS double beam spectrophotometer, suitable for DNA, RNA and Protein measurement. 2) Optical system : Double Beam with dual detector (split beam or ratio beam will not be considered) 3) Wavelength range: 190 to 1100 nm 4) Wavelength reproducibility of ± 0.1nm 5) Spectral band pass preferably 1.5 nm 6) Grating: aberration corrected stigmatic concave diffraction grating (hologram grating will not be considered) 7) Ultra low Photometric noise at least < 0.00015Abs 8) Minimum Baseline stability 0.0003 Abs/h 9) Baseline flatness less than + 0.0006 Abs over a wider range 10) Light source: Deuterium Lamp, Tungsten halogen Lamp with automatic changeover interlocked with wavelength 11) Accurate data acquisition through variable wavelength scanning speed of 3,600 nm/min to 10nm/min 12) Should have USB ports for high speed PC and printer connectivity, data storage and transfer through USB pen drive	**1**	**10,000**

	13) The instrument must have onboard software to use as standalone system with a comfortable large size color LCD display of at least 24 cm 14) **Software application** must have the following features. Measurement mode must include photometry, wavelength scan, time scan, multiple wavelength Ratio (260 / 280); Working curve type: Linear, quadratic, polygonal line, K factor input; Calculation of correlation coefficient; Concentration unit input; Kinetic assay; Spectrum and working curve printout; Spectrum display; Peak/valley detection/Tracing/Scale expansion/contraction/Smoothing; Differentiation; Area calculation; Fundamental arithmetic calculations between spectra; Data saving; Validation function; Automatic wavelength calibration and Lamp ignition time. **ADDITIONAL ESSENTIAL REQUIREMENTS:** 1) Should be supplied with the following Quartz Cuvette: 0.1 ml microcell: **1 pair** 1 ml cuvette of 10 mm path length: **2 pairs**. 2) Branded **PC** with licensed software (MS Windows 7 or higher) 3) Online UPS of 2KVA (or more) with standard backup for running the Spectrophotometer and the PC. 4) System should come with 1 year warranty from date of installation with additional two years free maintenance service 5) Company should have factory trained engineer & Kolkata based service station.		
10.	**<u>Upright Trinocular Research Microscopes</u>** **SPECIFICATIONS:** 1) The microscope should be an upright model. 2) Illumination: Halogen illumination with atleast 6V 30W halogen lamp and LED warm-light of 3200K 3) 4-position nosepiece that can be tilted backwards. 4) Objectives: Plan-Achromat 4 or 5X, 10X, 40X and 100X (oil) 5) Mechanical stage with specimen holder & spring clip that can be operated by either left or right hand 6) Binocular phototube with atleast 30° viewing angle /20 (50:50) 7) Eyepieces 10x/20 Br.foc. 8) Condenser 0.9/ 1.25 and must have Holder for phase contrast and darkfield sliders 9) Adjustable viewing height according to users height **ADDITIONAL REQUIREMENTS:** 1) Dust cover 2) Carrying case 3) Oiler with 5 ml immersion oil 4) Microscope mat	**10**	**25,000**

	5) Eyepiece pointer, eyepiece eyecup 6) Color filter set: blue, green & yellow 7) Extra halogen lamp **OPTIONAL REQUIREMENTS (MUST BE QUOTED SEPARATELY):** 1) Compatible Camera and PC Adapter (from the same manufacturer) 2) Minimum 5 MPixel Color Dedicated Microscopy camera that can fit the adapter 3) Phase contrast equipment 4) Darkfield equipment **5) Vendors must provide the Final Price of a binocular microscope having similar configuration as an OPTIONAL QUOTE**		

*All Instruments must have power supply unit Plugs that must be usable in India or must be provided with suitable Adapters.

ANNEXURE – II(A)

COMPLIANCE CERTIFICATE FOR NIT TERMS/PRE-QUALIFICATION FORM

(To **be enclosed in the Technical bid**)

Name of the firm/company		
Address of the firm/company		
Telephone **Fax**	**Mob**	**Email**

Sl.No.	NIT Terms and Conditions	Yes/No
01	**FINAL RATE** quoted as per instruction (in number and words)	
02	**Comprehensive AMC rate** after warranty provided	
03	**Validity** of quoted rate for 120 days agreed	
04	**EMD** enclosed Detail of the Earnest Money submit a) Amount : b) D/D No : c) Date of purchase : d) Drawn on : e) Payable at :	
	Compliance certificate for specifications (Annexure IIB) provided	
05	**Payment** term agreed	
06	**Delivery terms** agreed	
07	**Warranty terms agreed and period** mentioned	
08	**Literature:** Printed Literature provided	
09	**OEM**	
	If not OEM, specify (Bidders need to submit OEM authorization certificate/form as per Annexure V)	
10	**Details of supply to other Institutes of National Importance** provided	
11	**Purchase Orders within last 5 years** provided	
12	**End User List** provided	
13	**After Sales Service:** Address of after Sales Service Centre in India	
14	**Manufacturer certificate** provided	
15	**ISO/ISI Certificate (or equivalent)** provided	
16	**Registration certificate detail provided**	
17	**Copy of VAT Registration and latest VAT clearance certificate enclosed**	
18	**Copy of PAN provided**	
19	**Applicable law** terms agreed	
20	**Soft copy** of Technical and Financial Bid provided	

Signature with Seal ..... Vendor : M/s. .....

ANNEXURE – II(B)
COMPLIANCE CERTIFICATE FOR SPECIFICATIONS
(One for each item, must be enclosed in the Technical bid)

Name of the firm/company		
Address of the firm/company		
Telephone **Fax**	**Mob**	**Email**

Item Sl. No.			
Quoted Product	Make	Model No.	
Specifications as per NIT (Annexure I)		Quoted Item Specifications	Complied/Deviation
Parameter	Specification		

Signature with Seal .....
Vendor : M/s. .....

ANNEXURE - III
PERFORMANCE STATEMENT FORM
(For a period of last 5 years)
(To **be enclosed in the Technical bid)**

Name of the Firm…….

Order placed by (full address of Purchaser)	Order No. and date	Description and quantity of ordered equipment	Value of order	Date of completion of delivery as per contract	Date of actual completion of delivery	Remarks indicating reasons for late delivery, if any	Has the equipment been installed satisfactorily? (Attach a certificate from the purchaser/ Consignee)	Contact person along with Telephone No., Fax No. and e-mail address of the Purchaser

Signature and Seal of the manufacturer/Bidder…….....….

Place :
Date:

ANNEXURE - IV
PRICE SCHEDULE
(To be enclosed in the Financial Bid)

Purchaser: Head, Department of Botany
Visva-Bharati, Santiniketan-731235

Name of the firm/company		
Address of the firm/company		
Telephone **Fax**	**Mob**	**Email**

Sl. No.	Name of equipment/items	Quantity	Basic Rate	Total Amount	Taxes & duties (Please specify)	Freight and Any other Charges (Pl. specify)	Total Value
	(Specify the Brand and Model No.)						

Total Value (In words) …….....

.....

Note:

1. Vague terms like "packing, forwarding, transportation etc. extra" without mentioning the specific amount will not be accepted. Such offers shall be treated as incomplete and rejected.

2. Validity of Quotation is to be at least 120 days from the date of opening of Tender.

Date :

Place : Name & Signature of Authorised Signatory

ANNEXURE V
ORIGINAL EQUIPMENT MANUFACTURER'S (OEM) AUTHORISATION FORM
(on OEM letterhead)
(To be given when OEM is not participating directly in the bid)

To,
The Head
Department of Botany, Visva-Bharati

Ref: No. BOT/DST-FIST/01-10/2015-16 (Sl No. ------) Date: 23.02.2016

Subject: OEM authorization of Channel partner of our products quoted in response to the referred NIT

Sir,

We are reputed Original Equipment Manufacturer (OEM) and authorize the undermentioned firm to submit/negotiate the tender, process the same further and enter into the any contract as specified in the NIT for sale and post sale requirements of our quoted equipment.

We further confirm/certifiy/undertake the following-
The said firm will quote/offer/supply of our OEM products/quoted product at most competitive bidding prices and commercial terms which are settled from time to time based on requirements and market.
Our OEM standard guarantee/warrantee shall be applicable for our products which shall be supplied by the said firm.

(i) Our said authorized firm would sign and execute all required documents complying terms and conditions as laid down in the referred NIT.
(ii) We also agree to submit all the required certificates including quality certificates for our OEM product and audited financial documents as and when required by the purchaser.
(iii) In the event of failure on the part of the said authorized firm, the pending liabilities under the terms and conditions of the contract of the referred NIT shall be complied by us.
(iv) In the event of any change in of the aforesaid matters, the same shall be immediately informed to the purchaser without any delay for fulfillment of the agreed terms and conditions of the purchase procedures.
(v) Ours and authorized firm details are stated as under-

a) ----------
(Name and complete address of main/head office of OEM, including name of concerned contact official, phone no. and email)

b) ----------
(Name and complete addresses of all the manufacturing/production Facilities of OEM, across the globe evidencing country of origin of concerned product)

c) ----------
(Name and complete address of said authorised firm including name of concerned contact official, phone no. and email)

d) ----------
(Present validity period of this authorization/agreement, extendable thereafter)

This authorization has been signed, executed and extended from time to time if any by us, duly signed by our authorized authority who is the competent authority in accordance with the Power of Attorney authorized by our Board of Directors (evidence enclosed).

Enclosure: As stated above
Date:
Place:

Yours' faithfully

_____

_____

(Signature with date, name and designation)
For and on behalf of _____
(Name, address and stamp of the OEM on their letter head)

Copy to
M/s_____

_____

(Name and full address of the authorized firm)

Note: This authorization form should be on the letter head of the OEM and should be signed by a person competent and having the Power of Attorney to legally bind the manufacturer (OEM). (Document evidencing the same to be attached.)

ANNEXURE VI
TECHNICAL PROPOSAL SUBMISSION FORM
(To be printed on Bidder's letterhead)

Date.....

LETTER OF BID

To,
The Head
Department of Botany
Visva-Bharati, Santiniketan-731235.

Ref: Invitation for Bid No. BOT/DST-FIST/01-10/2015-16 dated 23.03.2016.

We, the undersigned, declare that:

1. We have examined and have no reservations to the Bidding Documents.
2. We offer to execute the supply order for equipment in conformity with the Bidding
3. Documents.
4. Our bid shall be valid for a period of 120 days from the date fixed for the bid submission deadline in accordance with the Bidding Documents and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
5. If our bid is accepted, we commit to submit a performance security in accordance with the Bidding Documents.
6. We also declare that Government of India or any other Government body has not declared us ineligible or black listed us on charges of engaging in corrupt, fraudulent, collusive or coercive practices or any failure/lapses of serious nature.
7. We also accept all the terms and conditions of this bidding document and undertake to abide by them, including the condition that you are not bound to accept the lowest bid or any other bid that you may receive within the due dates

Yours sincerely,
Full Name and Designation
(Authorized Signatory)
With Official Seal

*Authorised person shall attach a copy of Authorisation for signing on behalf of Bidding firm / company