

**RETENDER FOR PURCHASE OF
Laboratory Equipment & Library Equipment**



ABHAYAPURI COLLEGE

Main Rd Abhayapuri,
Abhayapuri, Assam 783384

Tender Notice No: AC/NIQ/EQP/2017/404 dated: 16/03/2017

Table of Contents

1.	<i>INTRODUCTION</i>	3
2.	<i>REQUIREMENTS</i>	3
3.	<i>PRE-QUALIFICATION CRITERIA</i>	3
4.	<i>SALE OF TENDER DOCUMENT</i>	4
5.	<i>IMPORTANT DATES</i>	4
6.	<i>TECHNICAL SPECIFICATIONS</i>	4
7.	<i>BINDING TO ALL TERMS & CONDITIONS</i>	5
8.	<i>SUBMISSION OF BIDS</i>	5
9.	<i>OPENING OF BIDS</i>	6
10.	<i>DETAILS OF WORK INVOLVED</i>	6
11.	<i>EARNEST MONEY DEPOSIT (EMD)</i>	6
12.	<i>REJECTION OF TENDERS</i>	7
13.	<i>VALIDITY OF PRICES QUOTED IN TENDERS</i>	7
14.	<i>AGREEMENT</i>	8
15.	<i>DELIVERY SCHEDULE</i>	7
16.	<i>PAYMENT TERMS</i>	7
17.	<i>PENALTY</i>	8
18.	<i>GENERAL</i>	8
19.	<i>Annexure I - Technical Specifications</i>	9
20.	<i>Annexure II - Pre-qualification Bid Format</i>	26
21.	<i>Annexure III – Technical Details</i>	31
22.	<i>Annexure IV - Commercial Bid Format</i>	30
23	<i>Annexure V - Prescribed Delaration Format</i>	31
24.	<i>Annexure VI - Draft Agreement</i>	31
25.	<i>Annexure VII - Draft Bank Guarantee</i>	37

TENDER FOR PURCHASE OF LABORATORY EQUIPMENT, LIBRARY EQUIPMENT ETC

1. INTRODUCTION

Abhayapuri College is an educational institution affiliated to Gauhati University

2. REQUIREMENTS

Sealed Re-tenders are invited for the purchase/procurement of **Laboratory Equipment, Library Equipment (Digital Section)/Electronic Goods etc.** The items proposed to be purchased through the present tender are given in the table below. The Firms/Suppliers may apply for one group or more than one or for all the groups. But the Firms/Suppliers must ascertain that they would supply **all the items** quoted in a group. **For each group separate Tender papers are to be submitted.** It should be noted that the Firms/Suppliers are to pay the Tender fee of Rs. 1000/ (one thousand) and Earnest Money Deposit of Rs 20,000 (Twenty Thousand) only once even if they apply for than one group. Moreover, those Firms/Suppliers submitted Tenders earlier remains cancelled but if they wish to apply again may apply and in their case Tender Fees and Earnest Money Deposit will not be charged as they have already submitted Tender Fees and Earnest Money.

Sl. No.	Group	Laboratory Equipment in the following groups	Quantity (to be notified later)
1			
	Group-A	Laboratory Equipment for BOTANY department	
	Group-B	Laboratory Equipment for CHEMISTRY department	
	Group-C	Laboratory Equipment for EDUCATION department	
	Group-D	Laboratory Equipment for GEOGRAPHY department	
	Group-E	Laboratory Equipment for PHYSICS department	
	Group-F	Laboratory Equipment for ZOOLOGY department	
	Group-G	Electronic Goods etc	
2	Group-A	Library Equipment (Digital Section)	
	Group-B	Branded Open Book rack, Steel Almirah etc.	

3. PRE-QUALIFICATION CRITERIA

The College will evaluate the proposals and select the firm which satisfies all the criteria listed below:

1. Bidders must have a turnover of at least ₹. 30 lakhs and must have made net profit after taxation for any two of the past three financial years. Provide a copy of the firm's audited financial statements or certificate from auditors for the last 3 years.
2. Bidder shall be authorized by the respective OEMs for every item it quotes. The bidder shall furnish authorization letters from the OEMs.
3. Bidder shall have fully equipped and manned service center / network in Guwahati. Preferably it should have a service outlet in Abhayapuri. Relevant details in this regard should be provided.
Bidders must submit the Pre-qualification compliance as per Annexure II Bids from vendors who do not qualify based on the above criteria will be rejected.

4. SALE OF TENDER DOCUMENT

Detailed Tender Document (non-transferable) covering eligibility requirements, technical specifications and terms & conditions may be obtained by interested and eligible bidders by downloading from the College's website i.e. "<http://www.abhayapuricollege.org>" or from the College premises during working hours.

There is no charge for the tender papers. However, Tender Fee Rs. 1000/- should be paid through demand draft in favour of the Principal, Abhayapuri College payable at SBI, Abhayapuri Branch (08462).

5. IMPORTANT DATES

Event / Activity	Date / Time
Download of Tender Documents	From 17/04/17 onwards
Last Date for Submission of Sealed Tender Bids	1.30 PM on 03/05/2017
Opening of Technical Bids	2.00 PM on 03/05/2017
Opening of Commercial Bids	Date/Time and Venue to be Intimated Later

Enquiry, if any, to be forwarded to abhcollege@rediffmail.com

6. TECHNICAL SPECIFICATIONS

Detailed technical specifications of the Laboratory Equipment and Library Equipment proposed for purchase are as per Annexure I.

INSTRUCTIONS / GUIDELINES TO BIDDER

7. BINDING TO ALL TERMS & CONDITIONS

The Bidders are advised to submit the tender strictly based on the terms and conditions and specifications contained in the tender document including amendments, if any, issued by the College prior to submission of tender. The formats prescribed in the tender documents should be scrupulously followed by the vendors. Tender bids that do not comply with the terms and conditions are liable for rejection.

8. SUBMISSION OF BIDS

Separate Tender offer should be submitted in two separate sealed envelopes superscripted BIDS FOR LABORATORY EQUIPMENT AND LIBRARY EQUIPMENT ETC. (clearly mentioning the respective groups) containing the documents as mentioned below.

Envelope 'A' - Pre-Qualification details, Bank Draft for Tender Fee, technical bid & Earnest Money Deposit etc.
Envelope 'B' - Commercial Bid

Each page of the bid has to be signed by an authorized official along with the Company seal.

Envelope 'A'

The **Envelope 'A'** should contain the documents listed below:

1. Bank Draft of. ₹1000/-for Tender Fees
2. Pre-qualification bid as per Annexure II.
3. Earnest Money Deposit (EMD) of ₹20 Thousand (Rupees twenty thousand only)
4. Duly filled Technical Bid form as per Annexure III and other documents sought for.
5. Deviations, if any, from the configuration asked for, should be given in the format as given at the end of Annexure III.
6. This envelope should also contain the following:
 - a) Soft copy (in MS Word/Excel/Power Point/PDF/Scan) of the technical Bid
 - b) Copy of Sales Tax Registration certificate.
 - c) Address, Telephone no., Fax no., e-mail id and Mobile no. of Marketing Executive as well as Guwahati / Abhayapuri branch office that would be the point of contact.
 - d) Other supporting documents, if any.

The documents as listed above should be of the same company and not of corporate / group / affiliated / associate company or a sister concern.

On request original documents should be produced failing which the tender is liable for rejection.

Envelope 'B'

This envelope should contain the **Commercial Bidas** per format in Annexure IV. The financial proposal shall be made on the letter head of the bidder's company. The Tender Offer as indicated above should be addressed to the Principal and should be deposited in the tender box kept at the reception on the following address:-

The Principal
Abhayapuri College
Main Road Abhayapuri
Abhayapuri 783384

☎: +91 03664 281 424

E-mail: abhcollege@rediffmail.com

Tender Bids should be submitted by 1.30 PM on 03/05/2017. The College will not be responsible for delay of submission of the tender document under any circumstances. The College shall not be responsible for delayed delivery or non-delivery of tender bids that are sent by post. If the last date for submission of tender is declared a holiday by the authorities or any undeclared holiday or bandh then the tender can be submitted on the next working day before 1.30 PM

9. OPENING OF BIDS

The Sealed Envelope "A" containing the Pre-qualification bid and the Technical bid will be opened at 2 PM on 03/05/2017 at the above address in the presence of those bidders or their representatives who have submitted the bids and wish to remain present. Such authorized representatives should bring a letter on company's letterhead authorizing him/her to attend the opening of the bids.

Envelope "B" containing commercial bid would be opened at the address given above in the presence of bidders short listed on the basis of pre-qualification and technical bid. The time and the date would be intimated to the short listed bidders at a later date. The authorized representative should bring a letter on company's letterhead authorizing him/her to attend the Commercial bid opening.

The Commercial bid should be given as per the format given in the Annexure IV. It is mandatory to bid/quote for all details mentioned in Annexure IV.

This procedure is subject to changes and the procedure adopted by The College for the tender shall be final and binding on all the parties.

10. DETAILS OF WORK INVOLVED

- a. Delivery, installation and successful commissioning of all equipment.
- b. Installation of Server software and creating user ids and permissions etc.

11. **EARNEST MONEY DEPOSIT (EMD)**

The bidders should pay Earnest Money Deposit (EMD) of Rs. 20,000/ (Twenty Thousand only) in the form of Bank Guarantee or through RTGS / NEFT / DD / Bank Guarantee into the account of "Abhayapuri College" as per details below:

NEFT Details

Sr. No.	Details of Bank Account	
1	Type of Account	Current
2	Account Number	33933536093
3	Name of the Bank	State Bank of India
4	Name of the Branch	Abhayapuri Branch
5	Address of Branch	P.O. Abhayapuri, Dist. Bongaigaon (Assam)
6	MICR Code No.	783002505
7	IFSC Code No.	SBIN0008462

Payment of EMD by any other mode will not be accepted.

The Bank Guarantee for EMD or statement of RTGS / NEFT should be submitted in the Sealed Envelope – ‘A’ along with the pre-qualification bid. The EMD will not carry any interest.

Forfeiture of EMD

The EMD made by the bidder will be forfeited if the bidder;

- Withdraws the tender bid after acceptance by The College; or
- Withdraws the tender bid before the expiry of the validity period of the tender; or
- Violates any of the provisions of the terms and conditions of the tender.

Refund of EMD

- a) EMD of the successful bidder shall be refunded after delivery and verification of all the equipment and execution of Performance Guarantee.
- b) In case of rejection of tender bid (due to non-compliance to details given in Pre-qualification bid and / or Technical bid) or unsuccessful bidder, EMD will be refunded to the bidder after intimation of rejection / being unsuccessful.

12. **REJECTION OF TENDERS**

The tender is liable to be rejected due to any one of the following reasons:

- a) If it is received after the expiry of the due date and time.
- b) If it is not accompanied by the requisite EMD payment.
- c) If it is not received in sealed condition.
- d) If the bid is conditional.

- e) If it is not in conformity with the instructions mentioned herein.
- f) If it is not properly signed by the bidder as required.
- g) If it is incomplete including non-furnishing of the requisite documents.

The College reserves the right to reject the tender without assigning any reasons whatsoever and the decision of The College is final and no communication would be entertained.

13. VALIDITY OF PRICES QUOTED IN TENDERS

Tenders should be valid for acceptance for a period of at least 90 (ninety) days from the date of acceptance of tender by The College. Offers with lesser validity period are liable for rejection.

14. AGREEMENT

The successful bidder shall enter into an Agreement with The College as per draft given in Annexure V. The College reserves the right to amend / modify all or any of the terms set out in the said draft Agreement.

15. DELIVERY SCHEDULE

The stipulated delivery schedule is as follows:

The successful Bidder should deliver the Laboratory Equipment/Library Equipment/hardware as per specifications within a period of **2 weeks** from the date of issuance of purchase order.

16. PAYMENT TERMS

-
- Payment will be made through Public Finance Management System (PFMS)
 - 80% against delivery and verification of the equipment.
 - Balance 20% against successful installation and commissioning of the equipment and execution of performance bank guarantee as per Annexure V.

17. PENALTY

In the event of delayed delivery, installation & commissioning i.e. after the expiry of the period as agreed by both the parties, the vendor shall be liable for a penalty deduction at a percentage of the value of the undelivered equipment subject to a maximum of 5% (five percent) as detailed below:

- @ 1% up to one week;
- @ 2% up to two weeks;

- @ 3.5% up to three weeks;
- @ 5% for four weeks and above

For the purpose of this clause, part of the week is considered as a full week.

18. GENERAL

This tender document is not transferable. The College reserves the right to:

- a) Accept/ Reject any or all of the Tenders submitted by a vendor, without assigning any reasons thereof.
- b) Not purchase any or all the equipment without assigning any reasons thereof.
- c) Increase or decrease the quantities at the time of placing the order without change in the rates quoted by the vendor.
- d) Add, Modify, Relax or waive any of the conditions stipulated in the tender whenever deemed necessary.

Annexure I - Technical Specifications

1. Laboratory Equipment

(Group-A)

Department of Botany

A. Laboratory Equipment/Instruments

Sl. No.	Item	Specification	Quantity
1	Students' Microscope	Olympus Laboratory Monocular Model HB: Standard set, complete with wide-field eyepiece NWF 10x, achromatic objectives 10x, 40x and 100x (spring oil immersion); attached graduated mechanical stage.	
2	Spectrophotometer	Microprocessor based Vis. range digital Spectrophotometer with digital wave length display 340-990 nm, 10 mm B/W 2p sample holder (340 nm- 990nm)	
3	Medico Centrifuge	REMI-C-852 with safety reliability, utility and 3500 RPM swing efficiency, multi stage speed regulator, complete with 4 ×15 ml glass and plastic graduated tube.	
4	Electronic Balance	Electronic Top Loading Digital Shimadzu Japan (BL-220H) balance having 0.001gm sensitivity and 220gm capacity.	
5	Micropipette	Microlit micropipette variable volume with tip ejector and click stop digital system, volume range (i) 0.5-10 µl, (ii) 2.0-20 µl, (iii) 5-50 µl, (iv) 20-100 µl, (v) 40-200 µl, (vi)	
6	Micropipette Tips	a) Capacity 0.2-10 µl, b) 2-2000 µl, c) 200-1000 µl, d) 1000-5000 µl	
7	Micro Kjeldahl distillation apparatus	Pregl's for determination of Nitrogen automatic discharge according to 'Panes and Wagner' made of corning glass with silver tube, clamp stand and burner.	
9	Heating Mantle	Made of glass yarn, capacity 1 litre to work on 220-230 volts A.C.,300W with energy regulator heating up to 400 °C.	
10	Ocular Micrometer disc	Line with 100 divisions Erma Japan	

		Imported	
11	Stage Micrometer	1 mm divided into 100 divisions Erma Japan Imported (1 div =1 μm).	

B (1) Glassware

Sl. No.	Item	Specification/Capacity	Quantity
1	Beaker	Made up of Borosilicate glass (heat resistant)	Capacity 25 ml
			50 ml
			100 ml
			250 ml
2	Measuring Cylinder	Made up of Borosilicate glass (Heat resistant)	500 ml
			5 ml
			10 ml
			25 ml
3	Conical Flask	Made up of Borosilicate glass (Heat resistant)	50 ml
			100 ml
			250 ml
			500 ml
4	Reagent Bottle (Narrow Mouth)	Made up of Borosilicate glass (Heat resistant)	25 ml
			50 ml
			100 ml
			250 ml
5	Burette	Made up of Borosilicate glass with Teflon key	500 ml
			60 ml
			125 ml
			250 ml
6	Petri dish	Made up of Borosilicate Glass	100 ml
			50x17 mm
			80x17 mm
7	Test Tube w/o rim	Borosilicate Glass	100x17
	Separating Funnel	Borosilicate Glass	18x150 mm
8	Thistle Funnel	Borosilicate Glass	250 ml
9	Centrifuge Tube	Borosilicate Glass	7.5 cm
10	Glass Dropper with Latex Teats	Borosilicate glass	15 ml
			4 inches
11	Concavity Slide	Blue Star	6 inches
12	Glass slide	Blue star	1 cavity
13	Cover slip (Blue Star)	English glass 10 gmpkt	75x25x1 mm
			18x18 mm

14	Specimen Jar	Screw neck with cap made up of Borosilicate glass	180 ml	
			250 ml	
			500 ml	
			1000 ml	

B (2) Apparatus

Sl. No.	Item	Specification/Capacity	Quantity
1	Mortar & Pestle	AGATE make	9 cm diameter
			11.5 cm diameter
2	Spatula (Superior)	stainless steel	8 inches
3	Test tube stand	Wooden	6 holes
4	Evaporating basin	Porcelain, resistant to thermal shock	75 mm dia
5	Separating funnel stand	stainless steel	24" long
6	Crucible Tongue	Superior powder coated	6" long
			10"
7	Cork Borer		S. Steel Set of six
8	Buchner filter	Porcelain make	Capacity 80 ml
			Capacity 200 ml
9	Forceps	Stainless steel	Fine Tissue
10	Long forceps	Stainless steel	12"
11	Inoculating Needle	Steel handle	6"

B (3) Fossil Specimen

Sl. No.	Item	Specification	Quantity
1	Calamites	stem	
2	Williamsonia	stem	
3	Williamsonia	Fructification	
4	Williamsonia	leaves	
5	Cordaites	leaves	
6	Lepidodendron	stem	
7	Neuropteris	leaves	

C Permanent Slides

C (1) Permanent Slides: Algae

Sl. No.	Item	Size/Specification/Capacity	Quantity
1	Anabaena	Whole Mount	
2	Nostoc	-do-	
3	Oscillatoria	-do-	
4	Clamydomonas	-do-	

5	Chara	Reproductive	
6	Oedogonium	Vegetative	
7	Oedogonium	Oogonial whole mount	
8	Spirogyra	Vegetative	
9	Spirogyra	Scalariform conjugation	
10	Spirogyra	Lateral conjugation	
11	Volvox	Daughter colony	
12	Volvox	Oogonial colony	
13	Volvox	Antheridial colony	
14	Ectocarpus	Unilocular sporangium	
15	Ectocarpus	Plurilocular sporangium	
16	Polysiphonia	Reproductive	
17	Fucus	Reproductive	

C (2) Permanent Slides: Bacteria and Virus

Sl. No.	Item	Specification/ Capacity	Quantity
1	Gram Positive Bacteria	-	
2	Gram Negative Bacteria	-	
3	Rhizobium	Root noodle of legume (TS)	
4	Coccus Bacteria	Whole mount	
5	Bacillus Bacteria	Whole mount	
6	Spirillum	Whole mount	
7	Escherichia coli	Whole mount	
8	Small pox virus	-	
9	Polio virus	-	
10	TMV	-	
11	Citrus cankar	-	
12	Leaf curl of papaya	-	
13	Yellow stem of vendi	-	

C (3) Permanent Slides: Fungi

Sl. No.	Item	Specification/ Capacity	Quantity
1	Mucor	Sporangia	
2	Mucor	Zygote	
3	Pythium	Whole mount	
4	Cystopus	Sex organs	
5	Phytophthora	Late blight TS	
6	Rhizopus	Sporangia	
7	Erysiphae	Whole mount	
8	Penicillium	Conidial	
9	Yeast	Budding	
10	Agaricus	Stipe & pileus VS	
11	Puccinia	Uredospores	
12	Puccinia	Teleteo spores	

13	Puccinia	Aecidia	
14	Cercospora	Whole mount	
15	Helminthosporium	Whole mount	
16	Colletotrichum	Whole mount	
17	Fusarium	Whole mount	

C (4) Permanent Slide: Embryology

Sl. No.	Item	Specification	Quantity
1	Dicot anther TS	Microsporogenesis	
2	Dicot anther TS	Pollen grains	
3	Dicot ovule LS	Megasporogenesis	
4	Dicot ovule LS	Embryo	
5	Dicot seed LS	Seed coat, embryo, endosperm	
6	Monocot anther TS	Microsporogenesis	
7	Monocot anther TS	Pollen grains	
8	Monocot ovule LS	Megasporogenesis	
9	Monocot ovule LS	Embryo	
10	Monocot grain LS	Caryopsis, embryo, endosperm	

C (5) Permanent Slides: Fossils

Sl. No.	Item	Specification	Quantity
1	Calamites	Stem TS	
2	Calamites	Root TS	
3	Calamites	Sporangia TS	
4	Sphenophyllum	Stem TS	
5	Sphenophyllum	Root TS	
6	Sphenophyllum	Cone TS	
7	Rhynia	Stem TS	
8	Rhynia	Sporangium TS	
9	Rhynia	Rhizome TS	
10	Lepidodendron	Stem TS	
11	Lepidodendron	Leaf TS	
12	Lepidodendron	Cone TS	
13	Lyginopteris	Stem TS	
14	Lyginopteris	Root TS	
15	Lyginopteris	Seed TS	
16	Cordaites	Stem TS	
17	Cordaites	Leaf T.S.	
18	Cordaites	Seed TS	

C (6) Permanent slides: Cell Division(Cytology)

Sl. No.	Item	Specification	Quantity
1	Meiosis	Microspore mother cell	
		Leptotene	
		Zygotene	
		Pachytene	
		Diplotene	
		Diakinesis	
		Metaphase-I	
		Anaphase/Telophase-I	
		Metaphase-II	
		Anaphase/Telophase-II	
2	Meiosis-I	All stages in a single slide	
3	Meiosis-II	All stages in a single slide	
4	Mitosis (Onion root tip)	Metabolic nucleus stage	
		Prophase	
		Metaphase	
		Anaphase	
		telophase	

Group-B

Department of Chemistry

1) Flame Photometer

Range	Na	0 – 100 PPM
	K	0 – 100 PPM
	Ca	0 – 100 PPM
	Li	0 – 100 PPM

2) Colorimeter

Wave Length Range	400 – 700 nm
Resolution	1% T, 0.01 Abs, 0.01 Cone
Transmission	0 – 100% T

3) Auto Karl Fischer Titrimeter

Display	Array of 10 LEDs
Sample Size	1 – 50 mg of H ₂ O
Indication	RWN, ADD, END with auto control value

4) Auto Melting Point Apparatus

Temperature range upto 300⁰ C

5) Digital Photo Floro meter

Flourosensitivity ---Full Scale deflection with 1 ppm qninesulphate in 0.1 N sulphuricacid. Adjustable in 4 ranges

6) Digital Potentiometer

Range 0 to ± 199.9 mV
Resolution 0.1 mV
Accuracy ± 1 mV

7) P^H – EC-TDS Meter - P^H ----EC----TDS----Temperature

Range SELAutomatic
Automatic.....
Range0 – 14.00 0 – 20 0 – 200 μ S 0 – 20, 0 – 200 ppm
Resolution..... 0.01 P^H 0.01 μ S 0.01 ppm

8) Digital Conductivity & TDS Meter

Range 5 ranges
Conductivity 0 – 200 μ S
TDS ----- 0 – 200 ppm, 0 -2 ppt.
Cell constant --- with adjustable indicator on display.

9) Digital Turbidity Meter

Display 3 .5 digit LED Display
Detector Photodiode
Range 0 to 1000 NTU in 4 range
Resolution 0.01 NTU

10) Digital Balance

Range upto 4 digits after decimal

11) Water Distillation Unit: Output 1.5 L/Hr
&
(Borosil Glass) Output 2.5 L/Hr

12) Electric/ Magnetic Plate

13) Electric Shaking Machine with water Bath

14) Conductivity Bridge

Conductivity Range 0 – 200 ms in range
Measuring Accuracy $\pm 1\%$ of FS, ± 1 count in all ranges
Temperature range 0 to 100^o

15) UV Spectrophotometer

Range 190 to 1100 nm wavelength range
Accuracy 0.1 nm accuracy, -3 to 3A Photometric range
Operation Compute Controll.
16 P^H meter (Digital)
17 Thermometer (1^oC – 300^oC)
18 Measuring cylinder (5,10,20,50,100, 200, 500,
1000) ml size
19 Desiccator

- 20 Silica crucible
- 21 Shintered glass crucible (G-4)
- 22 Centrifuge machine
- 23 Kipp's apparatus
- 24 Chamber for chromatography

Group-C
Department of Education

Sl. No	Description	Quantities
1.	Memory Drum Appt. (Manual)	
2.	Mirror Drawing appt. (Manual)	
3.	Punch Board appt. (Manual)	
4.	Tachistos Cope (Medium Size)	

Group-D
Department of Geography

- 1. Mirror Stereoscope (4x Binocular)
- 2. Handhold GPS
- 3. Digital Plannimeter
- 4. Aerial Photographs (Different Places of Lower Assam)
- 5. Satellite Imagery Soft copy (Different places of Lower Assam)
- 6. Theodolite
- 7. Dumpy's Level
- 8. Prismatic Compus

Group-E
Department of Physics

Sl. No.	Name	Specification/ Model	Quantity No./set
1	Six Position Microscope	Pisco P351	
2	Polarimeter	Pisco P335	
3	Optical bench	Pisco P363	
4	cathotometer	Pisco P356	
5	Spectrometer	Pisco P371	
6	Spectrometer prism	Pisco P372	
7	Fesnelbiprism	Pisco P385	
8	Sodium vapour lamp & accessories	Pisco P390	
9	Diffraction gratings	Pisco P393	
10	Astronomical telescope	Pisco P405	
11	Deflection magnetometer	Pisco P451	
12	Vibration magnetometer	Pisco P455	
13	Tuning frock electrical	Pisco P501&P504	
14	Platinum resistance thermometer	Pisco P	
15	Induction coil	Pisco P777	
16	DC regulated Power supply	Pisco EP5	
17	Wide range oscillator	Pisco EP15	
18	Functional generator	Pisco EP18	
19	Digital LCR meter	Pisco EP51	
20	AC millivoltmeter	Pisco EP56	
21	Oscillator	Pisco EP62	
22	Oscilloscope	Pisco PEP63	
23	Solar cell characteristics	Pisco EP143	
24	Photo cell characteristics	Pisco EP139	
25	Monostable multivibrator	Pisco EP200	
26	Bistable multivibrator	Pisco EP 203	
27	Astable multivibrator	Pisco EP207	
28	Study of Basic OPAM	Pisco EP211	
29	Study of OPAM Application	Pisco EP213	
30	Study of OPAM Application	Pisco EP214	
31	Study of amplitude modulation	Pisco EP225	
32	Study of frequency modulation	Pisco EP226	
33	Study of FSK Modulation & Demodulation	Pisco EP232	
34	Study of PSK Modulation & Demodulation	Pisco EP233	
35	Microprocessor Trainer	Pisco EP250	
36	Verification of Logic gates & De Morgans Theorem	Pisco EP262	

Group-F
Department of Zoology

Sl.No	Item	Size/ Specification/ Capacity	Quantity
1.	Student's Microscope	Monocular	
2.	Incubator	300*300*300ml/ 28 Its/ Stainless Steel memmert type/ Ht	
3.	Egg Incubator	50nos	
4.	Medico Centrifuge	15 ml tube	
5.	Precision Rotary microtome Machine	Standard size	
6.	Microtome Accessory (Block holder made of brass, spare, microtome knife, honing glass plate, Leather strip)		
7.	Haemocytometer with marienfield counting	Imported Neubaur	
8.	Micropipette	0.5 µl-50 µl 20 µl-200 µl	
9.	Hot air Oven Universal	28 lis	
10.	Water Bath Rectangular	Double wall SL (12 whole)	
11.	Rectangular hot plate(with cast iron plate)	1500 watt	
12.	Block Cabinet	2000 block	
13.	Chromatography Cabinet with rectangular glass jar	18x10 cm paper sheet	
14.	Ocular micrometer		
15.	Stage Micrometer	Imported (0.01 mm)	
17.	Slide cabinet	500 slide capacity	
18.	Digital electronic water soil analysis kit	Eight parameters	
19.	Dissecting trays with wax	15x12x3	
20.	Soil tension meter	Standard size	
21.	Laboratory thermometer	0-250°	
24.	Soil thermometer		

25.	Haemometer with marienfield counting		
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Group-G
Electronic Goods etc

Sl. No	Item	Size/ Specification/ Capacity	Quantity
1	Computer Set	LCD Display, 4 GB Ram, 500 GB Hard Disk, i3 Processor ,DVD drive,Wifi	
2	Printer	Laser Jet	
3	Air Conditioner	2 ton	
4	Updating of existing GIS software	Multiple user	
5	A3 Scanner	Full color scanner, Flatbed scanning , CCD image sensor Sheet, Book, 3D object, length 10-297mm width 10-432mm	
6	LCD Projector	Full HD Resolution with 3200 lumens, Multi-PC	
7	Digital Camera	Minimum 24mega pixel	
8	Binocular	7 X 50 or magnifies 7 times and has light gathering lenses that are 50mm in diameter	
9	Stop watch	1/100 of second digital racer	
10	Refrigerator	265 liters	
11	Commercial Vacuum Cleaner	Filtration dust capacity, 0.4Filter Type, Performance airflow (max) 24.4 l/min. input power (max)900 w noise level (LcIEC)< 84dB Suction power (max)	
12	Electric Oven	0-300 ⁰	

2. Digital Library Equipment:

Terms & Conditions

1. OEM Authorization for HW (Manufacture Authorization format) MAF all Product.
2. Bidder should be at list 10 (Ten) colleges completed IR Project with **DSpace** Customization.
3. VAT & CST certificate.
4. Audited Balance sheet 2016.
5. The Software '**DSpace**' shall be installed and customized in the Server Machine of Central Library, Abhayapuri College.
6. All digitized Content is required to be integrated in Open Source Digital Library Solution '**DSpace**' for content management, search, retrieval, and mailing of digitized documents to all authorized users.
7. The solution providers also need to capture and create metadata for each document as per Dublin Core Metadata Standards, for specific fields to be decided by the Library.
8. Create Metadata for the contents of document along with Keywords, abstract etc.
9. In order to maintain quality, standards and uniqueness in all documents, the INFLIBNET centre has devised standards and formats based on international practices.
10. Uploading of content shall be done with proper data entry standards and preferably done by Library Professionals.1 Manpower for 2 (Two) months.

Group-A Institutional Repository (Digital Library)

<i>Sl No</i>	<i>Hardware/Software Requirement</i>	<i>Item</i>	<i>Qty</i>
1	Server (DSpace)	5U Tower 1 no. Xeon® E5-2603v4 (1.7GHz/6-core/15MB/85W) 15MB (1 x 20 MB) L3 cache (MAX). Intel® C610 Series Chipset 16 GB DIMMS scalable to at least upto 512GB, using DDR4 Load Reduced DIMM (LRDIMM)	

		<p>memory modules. Advanced ECC with multi-bit error protection and memory online spare mode One optional optical drive bay to install DVD-ROM or DVD-RW (depending on HDD selection) 1TB SATA PCIe 3.0 based 12Gb/s SAS Raid Controller with RAID 0/1 Advanced Data Mirroring/10 Advanced Data Mirroring with 2GB battery backed write cache (onboard or in a PCI Express slot) 10Gb 2-port Ethernet adaptor supporting enterprise class features such as VLAN tagging, adaptive interrupt coalescing, MSI-X, NIC teaming (bonding), Receive Side Scaling (RSS), jumbo frames, PXE boot and virtualization features such as VMware NetQueue and Microsoft VMQ Serial - 1 Micro SD slot - 1 USB 3.0 support With Up to 5 total: 1 front, 2 rear, 2 internal (secure) 6PCI Slots Redundant Power Supplies Redundant hot-plug system fans Integrated Matrox G200eH2 video standard with 16MB of Video RAM 1280 x 1024 (32 bpp) 1920 x 1200 (16 bpp) ACPI 2.0b Compliant PCIe 3.0 Compliant PXE Support WOL Support Microsoft® Logo certifications USB 3.0 Support USB 2.0 Support Energy Star ASHRAE A3/A4 UEFI (Unified Extensible Firmware Interface Forum) Essential tools, drivers, agents to setup, deploy and maintain the server should be embedded inside the server. There should be a built -in Update manager that can update firmware of system by connecting online. Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response.</p>	
2	Client PC	All in one, Core i3, 4GB RAM	
3	Scanner (overhead)	Overhead system Simplex scanning, Colour / Greyscale / Mono /	

		<p>Automatic (colour / greyscale / mono detection) Lens Reduction Optics / Colour CCD (charge coupled device) x 1 (White LED + lens illumination) x 2 Horizontal scanning: 285 to 218 dpi / vertical scanning: 283 to 152 dpi*1 A3 (landscape), A4, A5, A6, B4, B5, B6, business card, postcard, double letter (landscape), letter, legal (landscape) and custom sizes, Minimum : 25.4 x 25.4 mm / Maximum : 432 x 300 mm*5 / Automatically recognises document size 30 mm or less Timed interval scanning (timed mode) . Page turning detection. USB 2.0 (USB 1.1 Supported) ±1.5% AC 100 to 240V, 50 / 60Hz Operating: 20W or less (Sleep mode: 2.6W or less) Auto Standby (OFF) mode: 0.4W or less Temperature: 5 to 35 °C / Relative humidity: 20 to 80 % (Non-condensing) 210 X 156 x 383 mm / 3kg 1 Year</p>	
4	Portable Storage device	USB drive (Pendrive) 16 GB	
5	IR Software, Dspace (open source)	<p>Installation & customization. One Year Support, 1 Manpower for 2Months</p>	
6	UPS	<p>5 KVA Single Phase Input / Single Phase Output True Online configuration with double conversion UPS with Micro Control Based Isolation transformer should be provided on the input side of the UPS systems. 160-300 V AC 1-Phase / 2-Wire & Gnd (Phase & Neutral + Ground) 230V 160 - 300V AC (On 100% Load) 160 - 300V AC (On 100% Load) 110 -300 VAC (On 50% Load condition) Compatibility to genset supply required 230 V ±1% 50Hz ± 0.1 Hz 47.5 to 52.5Hz 192 V DC 16 nos 65AH for 2 hours backup (Exide only) LED + LCD Display BIS Certified CE ISO 9001: 2008 2-year on UPS & Batteries</p>	
7	Auto backup with software	Quad Core 2.4GHz processor and 4GB on	

		board RAM for swift data transfers with Backup software	
8	Rack	9U RACK ,1fan,1uCable manager, 6socket PDU, rackhardware	
9	Modem	2.4 GHz 11n (2x2) for superior performance and coverage Configurable EtherWAN for optimized, evolutionary services Remote provisioning and management through TR-069 Advanced QoS to ensure quality of Triple Play ROM-D feature for easy distributor/operator customization Always-online, always-compatible alternative 3G connection	
10	24 port switch	10/100 Mbps 24 Dual personality GbE ports 2 Switching capacity (Gbps) 8.8 Switching forwarding rate (Mpps) 6.6 Packet buffer (byte) 320K MAC address 8K Power Requirement Input voltage of AC 100 - 240 V AC, 50/60 Hz Maximum power consumption (watt)12.65 Environmental Specifications Operating temperature 0°C to 50°C/32°F to 122°F Storage temperature -40°C to 70°C/-40°F to 158°F Operating humidity 10% to 95% (non-condensing) MTBF (hr) 100,833 Heat dissipation (BTU/hr) 43.14	
11	Cable	Cat 6 Cable	
12	RJ connector	RJ connector	
13	I/O box	I/O box	
14	Networking charge		
15	OUTDOOR Access Point	The Access Point should have minimum 1 Port 10/100/1000Mb POE in Ethernet port. 802.11n Access Point should be able to power up using standards 802.3af POE input, and at the same time operate in full MIMO mode. AP should have Dual Radios to support 2.4 GHz & 5Ghz concurrent users with 802.11 a/b/g/n/ac capability. AP Must support 2x2 or 3x3 MIMO with 2 Radio Chain. AP should be able to handle upto 250 Concurrent users. AP should provide minimum 24 dBm transmit power for 2.4Ghz and 5 Ghz. (EIRP should be limited as per govt. regulation for outdoor AP's).	

		<p>Wireless Interface: Dual radio; 802.11a/b/g/n/ac; 2.4Ghz and 5Ghz concurrent support.</p> <p>SSID support: 16 BSSID (8 BSSID per Radio)</p> <p>AP should support upto 300Mbps data rates in 2.4Ghz 802.11b/g/n and upto 867 Mbps in 5Ghz 802.11a/n/ac.</p> <p>The access point should support 802.1q VLAN tagging</p> <p>Antenna: Integrated/External for 360-degree coverage, with 4 dB or better Gain for 2.4Ghz and 5Ghz both.</p> <p>Should support the operating temp -10° to 55° C and Humidity: up to 95% non-condensing.</p> <p>AP Must be IP67 certified for outdoor deployment. AP must be outdoor rated and no AP will be accepted which is indoor and installed in outdoor casing.</p> <p>The access point should support following security mechanism: WEP, WPA-PSK, WPA-TKIP, WPA2 AES, 802.11i.</p> <p>System should support Authentication via 802.1X, Local (controller based) authentication database, support for RADIUS and Active Directory.</p> <p>Web User Interface (HTTP/S) • CLI (Telnet/SSH), SNMP v1, 2, 3</p> <p>Should be managed by Controller or standalone if required</p> <p>Should be WPC approved</p> <p>The APs should support the 802.11a, 802.11b, 802.11g and 11n and ac standards. It should also support 802.11ac standard in the 5 GHz band.</p> <p>Operation in dual band radio is essential</p> <p>Should support 3 spatial streams on both radio bands for an aggregate capacity of 1700 Mbps or more.</p> <p>The access points should be centrally managed.</p> <p>In some small isolated environments the AP should be able to function as a full-fledged stand-alone access point without the requirement of a controller.</p> <p>Security mechanisms should be in place to protect the communication between the Access Point controller and the Access Points.</p> <p>Since most radio interference come from the WLAN network itself the vendor should specify what mechanisms such as beam steering/ adaptive antenna technology/ beamforming are available in combination to focus the energy on the destination STA and minimize radio interference with the surrounding of the AP. The vendor should specify if the activation of such feature is still compatible with 802.11n spatial</p>	
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		<p>multiplexing.</p> <p>Since the WLAN network will be using an unlicensed band the solution should have mechanisms that reduce the impact of interference generated by other radio equipment operating in the same band. Describe techniques supported.</p> <p>The access point should be able to detect clients that have dual band capability and automatically steer those client to use the 5GHz band instead of the 2.4GHz band.</p> <p>The antennas to be dual polarised and should be integrated inside the access point enclosure to minimize damage and create a low profile unit that does not stand out visually.</p> <p>The access point should have at least two Ethernet ports allowing for redundancy and cascading of multiple access points.</p> <p>The access point should support 802.1q VLAN tagging</p> <p>The access point should support WPA2 enterprise authentication and AES/CCMP encryption. AP should support Authentication via 802.1X and Active Directory.</p> <p>The administrator should be able to remotely turn off LEDs on the access point.</p> <p>Implement Wi-Fi alliance standards WMM, 802.11d, 802.11h and 802.11e</p> <p>The Access Point should provide for concurrent support for high definition IP Video, Voice and Data application without needing any configuration. This feature should be demonstratable.</p> <p>Support RF auto-channel selection by the following three methods: a) measuring energy levels on the channel; b) monitoring for 802.11 signal structures and; (c) detecting radar pulses. Other similar forms of smart selection shall also be accepted.</p> <p>Channel selection based on measuring throughput capacity in real time and switching to another channel should the capacity fall below the statistical average of all channels without using background scanning as a method.</p> <p>Should support Transmit power tuning in 1dB increments in order to reduce interference and RF hazards.</p> <p>Device antenna gain (integrated) must be at least 3dBi and should provide automatic interference rejection of about 10dB.</p> <p>Upto 32 BSSIDs on 2.4G radio and 5G radio for multiple differentiated user services (e.g. voice).</p> <p>Should support upto 250 clients per AP.</p>	
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		<p>Should support IPv6 from day one.</p> <p>Should support DHCP Option 82 in standalone mode (without Controller) as well as in Managed mode (with Controller)</p> <p>For troubleshooting purposes, the administrator should have the ability to remotely capture 802.11 and / or 802.3 frames from an access point without disrupting client access.</p> <p>Operating Temperature: 0°C - 40°C</p> <p>Operating Humidity: 10 % - 95% non-condensing.</p> <p>Should be plenum rated and comply to RoHS</p> <p>Should be WiFi certified; WiFi certificate to be enclosed</p> <p>Should be WPC approved; ETA certificate to be enclosed.</p> <p>Mechanism for physical device locking using padlock /Kensington lock / equivalent.</p>	
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Library Automation

16	Server (SOUL)	<p>4 U Tower</p> <p>One latest generation Intel® Xeon® E3-1225v5 (3.3GHz/4-core/8MB) Processor</p> <p>8MB Level3 Cache</p> <p>Intel® C236 Series Chipset</p> <p>8 GB RAM populated and scalable to at least upto 64 GB, using DDR4 ECC DIMM memory modules. Maximum 4 DIMM slots.</p> <p>Up to 6 LFF HDD max (with extra cage)</p> <p>HP SATA 9.5 JB Optical HDWR (depending on HDD selection)</p> <p>1 Nos 1TB SATA inbuilt</p> <p>HPE Dynamic Smart Array B140i Controller</p> <p>RAID support 0, 1, 10, 5 SATA</p> <p>Server should support networking cards with below features:</p> <p>Network Controller: Intel® Ethernet Connection I219-LM</p> <p>4 no of PCIe 3.0 slots support.</p> <p>Should support monitoring ongoing management, service alerting, reporting and remote management with out of band management port</p> <p>System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone home support</p> <p>Power-on password</p> <p>Setup password</p> <p>Power switch security</p> <p>Administrator's password</p> <p>TPM 1.2</p> <p>TPM 2.0</p>	
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		<p>UEFI OS & Virtualization Support:Microsoft Windows Server / Red Hat Enterprise Linux (RHEL) / SUSE Linux Enterprise Server (SLES)/ Vmware On System Management Chipset : Intel® Active Management Technology (Intel® AMT 11.0) The Server Management Software should be of the same brand as of the server supplier. 3 Years</p>	
17	Card Printer	<p>Edge-to-edge dual-sided printing 300 dpi (11.8 dots/mm) print resolution Covered 100 card hopper and 45 card stacker for batch printing Print speed up to 180 cards per hour single sided Printer Interfaces: USB and Ethernet connectivity Fully compatible with Win 7, Vista, XP, Windows Server 2003 (32/64 bit compatible)</p>	
18	Laser Printer	LaserJet Multifunction- Print, Scan, Copy	
19	External Portable USB 3.0 Hard Drive	<p>1TB Compatibility with Notebooks and Desktops or higher USB port available.</p>	
20	Barcode Printer	<p>Resolution: 203dpi(8dots/mm) Width: 4.09" (104mm) Speed: 4" (102mm) per second Construction: high-impact, double-walled plastic enclosure Maximum label and liner width: 4.25" (108 mm) Maximum label length (with standard memory): 11" (279 mm) Maximum label length (with optional memory): 22" (558 mm)</p>	
21	Barcode Scanner	Single lined, Hand held, wired, 72 scan lines per second	
22	Barcode Label		
23	Barcode Ribbon		
24	Slip Printer	<p>9-pin serial impact dot matrix Printing Speed- 5 lps @ 16 cpi; 40 col Print Font- 7 X 9 Print width- 2.25" – 3.9"</p>	
25	Windows Server OS	2012, 64 bit, Single user	

Group-B
Open Book rack, Almirahetc

<u>Sl no</u>	<u>Item</u>	<u>Size (dimension in mm)</u>	<u>Quantity</u>	
1	Branded double sided open Book Rack (Base unit)	1850 H x 900 W x 600 D		
2	Branded Steel Almirah	6ftx3ftx1.5ft		

Annexure II - Pre-qualification Bid Format

PARTICULARS		INFORMATION TO BE FURNISHED BY THE TENDERER			
3.	Name and Address				
4.	Registration No. under the Companies Act 1956 (Attach Proof) (PQC-1)				
5.	Turnover and Net Profit (after taxation) for the past three years (or from 13-14 to 14-15) (Attach copy of Audited Financial Statement or Certificate from Auditors) (PQC-2)	Year	Turnover (in crores)	Net Profit (in crores)	
		2013-14			
		2014-15			
		2015-16			
6.	Details of OEM or Authorized Dealer /Authorized Service Partner of the OEM(Attach authorization letter from OEM) (PQC-3)				
7.	Details of supply of Laboratory Equipment any one of the past 3 financial year worth Rs.50 lakhs. (Attach copy of PO & Proof of Installation of Laboratory Equipment & Library Equipment) (PQC-4)	Year of Order	Details of Organization & details of Contact person	Nature of order	Order value (in lakhs)
8.	Minimum quarterly average sale of 60,000 Laboratory Equipment & Library Equipment)during last five				

PARTICULARS		INFORMATION TO BE FURNISHED BY THE TENDERER
	quarters ending December 2015. (Attach proof a copy of Auditors certificate and IDC Report or other market survey publication report or such a sale certificate from OEM concerned) (PQC-5)	
9.	Details of whether bidder is eligible for any price preference (attach valid proof)	
10.	Bidder may provide following Bank details	
	• Type of Account	
	• Account Number	
	• Name of the Bank	
	• Name of the Branch	
	• Address of Branch	
	• MICR Code No.	
	• IFSC Code No.	

Please provide documentary proof of all information provided. For details, attach additional sheets, if required

Place

Signature

Date

Name & Designation

Annexure III – Technical Details

1. The vendor must provide the offered specifications against every given specification for every item.
2. The vendor must provide a Bill of Materials with part numbers of the items to be supplied against the bid.
3. In addition, the bidders should enclose brochures and information hand-outs pertaining to the equipment being offered.

Annexure IV – Commercial Bid Format

No.	Hardware (Detailed specifications are as per Annexure I)	Qty	Rate	Amount	Taxes	Total
		A	B	C= A*B	D	E=C+D
1						
2						
3						
4						
5.						
6.						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
					Total =	

Total in Words:.....

Authorized Signature & Seal of Bidder.....

Date:

ANNEXURE-V

Office of the Principal
ABHAYAPURI COLLEGE, ABHAYAPURI

PRESCRIBED FORMAT FOR DECLARATION

- A. I / We declare that all the terms and conditions stated in the Tender statement are acceptable to me/us and I/We shall abide by the same in case the contract is awarded to me/us.
- B. All the particulars subscribed by me/us are true to the best of my/our knowledge.
- C. I/We will also abide by the conditions that may be stipulated during the period of contract.
- D. The decision of the College authority will be accepted by me/ us during and after the bid evaluation process.

Date:

Place:

(Signature of the Contractor)

Name:

Contact Number:

Address:

Annexure VI - Draft Agreement

(To be executed on non-judicial stamp paper worth Rs. 100/-)

This Agreement entered into at Abhayapurion this _____ day of _____ 2017

BETWEEN _____ a company registered under the Companies Act, 1956 and having its registered office at _____ hereinafter referred to as the VENDOR

AND

Abhayapuri College (The College), a Society registered under the Society's Act, 1932 and having its registered office at _____, hereinafter referred to as the PURCHASER.

WHEREAS the Purchaser had called for tenders from various companies for the supply and installation of Laboratory Equipment, Library Equipment etc as per specification in the tender; and

WHEREAS the Vendor had submitted a quotation which was accepted by the PURCHASER after discussion and

WHEREAS the Purchaser is desirous of placing orders for the supply and installation of Laboratory Equipment, Library Equipment etc; and

WHEREAS the Vendor had agreed to effect supplies and installation of Laboratory Equipment, Library Equipment etc and 3 years comprehensive on-site warranty from the date of successful commissioning of the system, to the Purchaser as per the terms and conditions mentioned herein below.

NOW THEREFORE THIS DEED WITNESSETH:

1. PERIOD OF AGREEMENT

- 1.1. This Agreement is valid for this lot of orders only and till the expiry of the warranty period. However, the period of Agreement may be extended by mutual consent.
- 1.2 That the Vendor hereby agrees to effect supplies of relevant items as per Annexure I of tender document and when the Purchase Order is placed by The College at the price specified therein.

2. PRICE

- 2.1 That the prices of various items as specified in Annexure IV of the tender document shall not be subject to any escalation, subject however to the condition that any changes in the taxes as announced by the authorities after the last date of submission of tenders will be duly incorporated.
- 2.2 The price shall be inclusive of Ex-factory price per unit, Packing, forwarding, freight, transit insurance, Excise duty, Sales Tax, other duties and taxes, if any, including state levy, delivery, installation, commissioning & testing charges. Octroi charges would be paid, wherever applicable and would be reimbursed on production of actual documents.
- 2.3 There shall be no escalation in the prices once the prices are fixed and agreed to by The College and the vendors. But, any benefit arising out of any subsequent reduction in the prices due to reduction in duty and taxes after the prices are fixed but before the delivery has been completed, should be passed on to The College.

3. DELIVERY, INSTALLATION & SUCCESSFUL COMMISSIONING

- 3.1 The Vendor shall affect delivery of all items ordered with them at the address mentioned in the Purchase order.
- 3.2 The description of the Hardware to be supplied is as per Annexure I of the tender document.
- 3.3 The College reserves the right to reject the items supplied, at the Vendor's cost, if they are not according to the specification mentioned in Annexure I of the tender document.
- 3.4 The Vendor hereby agrees to carry out the following work pertaining to him:
- 3.5
 - a. Delivery, installation and successful commissioning of all equipment.

4. PENALTY

In the event of delayed delivery, installation & commissioning i.e. after the expiry of the period as agreed by both the parties, the vendor shall be liable for a penalty deduction at a percentage of the value of the undelivered equipment subject to a maximum of 5% (five percent) as detailed below:

- @ 1% up to one week;
- @ 2 up to two weeks;
- @ 3.5% up to three weeks;
- @ 5% for four weeks and above

For the purpose of this clause, part of the week is considered as a full week.

5. WARRANTY AND ON-SITE MAINTENANCE

The Vendor providing Laboratory Equipment, Library Equipment etc shall provide a three year comprehensive Warranty and on-site maintenance for hardware from the date of successful commissioning of the systems.

6. MAINTENANCE AFTER WARRANTY PERIOD

The College reserves the right to enter into separate Annual Maintenance Contract after the expiry of warranty period.

7. PAYMENT TERMS

- 80% against delivery and verification of the equipment.
- Balance 20% against successful installation and commissioning of the equipment and execution of performance bank guarantee as per Annexure V.

8. PERFORMANCE GUARANTEE

The Vendor shall provide a Certificate of Guarantee guaranteeing The College of the satisfactory operation of the components and against poor workmanship, bad quality of materials used, faulty designs and performance figures given by the Vendor.

This guarantee shall be operative for a period of three years from the date of final payment. The performance guarantee would be to the extent of 10% of the total order value.

The Vendor shall at his own cost rectify the defects/replace the items supplied, for defects identified during the period of warranty.

9. ROYALTIES AND PATENTS

The Prices specified in Annexure IV of the tender document shall be deemed to be inclusive of any royalties or patents or the charges for the use or infringement thereof that may be involved in the contract. The Vendor hereby agrees to protect the Purchaser against any claims thereof.

10. ARBITRATION

All disputes/differences of any kind whatsoever arising out of or in connection with this Agreement shall be resolved by Arbitration.

Both parties hereby agree that the IT consultant of The College shall be the sole Arbitrator for the purpose of this Agreement.

11. FORCE MAJEURE

Neither the Vendor nor the Purchaser shall be liable to the other for the delay in or failure of their respective obligations under this Agreement caused by occurrences beyond the control of Vendor or Purchaser (as the case may be) due to fire, floods, power cuts, acts of the Public enemy, war, insurrections, riots, strikes, lockouts, sabotage, any law, statute or ordinance, order action or regulations of the Government or any compliance therewith similar to the above. Either party shall promptly notify the other of the commencement and cessation of such contingency and prove that such is beyond their control and affects the fulfillment of their obligations under this Agreement adversely and if such contingency continues beyond a period of sixty days, the Purchaser may at his option terminate this Contract by giving 10 days' notice in writing to the Vendor.

The respective obligations of the parties shall be extended for the period of Force Majeure provided notices as required above are given in time and the contingency established if so required by the other party.

12. TIME IS THE ESSENCE OF THIS CONTRACT:

It is hereby specifically agreed to between the parties that time is the essence of this Contract.

13. REFUND OF EARNEST MONEY DEPOSIT (E.M.D.)

EMD remitted by the vendor shall be refunded after completion of installation and verification of all the equipment and submission of performance bank guarantee.

14. ADDITIONAL QUANTITIES

The Vendor shall be liable to supply additional quantities of Laboratory Equipment, Library Equipment etcas and when required by The College within a period of six (6) months.

The Purchaser reserves the right to revise the quantities and delivery schedule, if necessary during the currency of this Contract.

15. JURISDICTION FOR LEGAL PROCEEDINGS :

This Agreement shall be subject to the jurisdiction of the Courts in the city of Guwahati only

IN WITNESS WHEREOF the parties hereto have set and subscribed their respective hands and seals the day and year herein mentioned.

SHRI
.....
for and on behalf of
.....

SHRI
.....
for and on behalf of
Abhayapuri College

WITNESSES:

1. _____

1. _____

2. _____

2. _____

Annexure VII - Draft Bank Guarantee

To be executed on a non-judicial stamp paper of Rs.100/-

DRAFT OF THE BANK GUARANTEE TO BE EXECUTED

To,
The Principal
Abhayapuri College
Main Road Abhayapuri
Abhayapuri 783384

In consideration of Abhayapuri College (The College), an educational Institute in Abhayapuri, having agreed to exempt _____ (Supplier's name and address) (hereinafter called "the said Suppliers") from the demand, under the terms and conditions of The College's Tender Document for Desktop Computers etc, and Agreement dated _____ made between The College and _____ (Supplier's Name), for supply of _____ (hereinafter called "the said Agreement") **security deposit** for the due fulfillment by the said suppliers of the terms and conditions contained in the said Agreement, on the production of a bank guarantee for Rs. _____ (Rupees _____).

1. We, _____ (Name of the bank and full address) (hereinafter called the "Bank") at the request of _____ (Name of supplier/s) do hereby undertake to pay to The College an amount not exceeding Rs. _____ (Rupees _____) caused to or suffered by The College by reason of any breach by the said suppliers of any of the terms and conditions contained in the said Agreement.
2. We, _____ (Name of the bank and full address) do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from The College stating that the amounts claimed is due by way of loss or damage caused to or would be caused to or suffered by The College by reason of breach by the said suppliers of any of the terms and conditions contained in the said Agreement or by reason of the supplier's failure to perform the said Agreement. Any

such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____/- (Rupees _____).

3. We _____ (Name of the bank and full address) undertake to pay to The College any money so demanded notwithstanding any dispute or dispute raised by the supplier(s) in any suit or proceeding pending before any court or Tribunal relating hereto our liability under this present being) absolute and unequivocal.

The Payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the supplier(s) shall have no claim against us for making such payment.

4. We, _____ (Name of the bank and full address) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it should continue to be enforceable till all the dues of The College be under or by virtue of the said Agreement have been fully paid and its claim authorities satisfied or discharged by the said suppliers.

Unless a claim or demand under this guarantee is made or presented to the Bank within six months from the expiry date of this Bank Guarantee, all the rights of The College under this guarantee shall cease and the Bank shall be released and discharged from all liability hereunder.

5. We, _____ (Name of the bank and full address) further agree with The College that The College shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance of the said suppliers from time to time to postpone for any time or from time to time of the powers exercised by The College against the said suppliers and to forbear or enforce any of the terms and conditions relating to said Agreement and we shall not be relieved from our liability by reason of any variation, or extension being granted by the said The College to the said supplier or by any such

matter or thing whatsoever which under the law relating to sureties would but for this provision, have effect of so relieving us.

This guarantee will not be discharged due to the change in the continuation of the Bank or the supplier(s).

We, _____ (Name of the bank and full address) undertake not to revoke this guarantee during its currency except with the previous consent of The College in writing.

Notwithstanding anything contained herein :

1. Our liability under this Bank Guarantee shall not exceed Rs. _____ - (Rupees _____).
2. This Bank Guarantee shall be valid up to _____ and
3. We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if The College serve upon us a written claim or demand within six months from the expiry date of this Bank Guarantee.

Date :

Signed and delivery by -

