

Fax : 08255-239666
Email : aaocpcrivtl@gmail.com

भा.कृ.अ.प. -केन्द्रीय रोपण फ़सल अनुसंधान संस्थान
(भारतीय कृषि अनुसंधान परिषद)
प्रादेशिक केंद्र, विट्टल-574243, कर्नाटक, भारत

Phone : Head (08255)265289
(Res):(08255)239244
PABX : (08255)239238
239222



ICAR-CENTRAL PLANTATION CROPS RESEARCH INSTITUTE
REGIONAL STATION, VITTAL - 574 243, KARNATAKA, INDIA



No.F.303-141(1)/2016-Stores

Dated: 23-01-2016

TENDER NOTICE

Sealed tenders under two-bid system (Technical and Financial bids)are invited from the reputed manufacturers/dealers for supply and installation of the following equipments at this Station.

Sl.No.	Particulars	Quantity
01	Research Microscope (trinocular) with Image analyzing options	1No.
02	PCR/ Thermal Cycler	1 No.
03	Gel documentation assembly	1 No.
04	UV Spectrophotometer	1No.
05	pH-EC Meter	1No
06	Split Air Conditioner	4 Nos
07	LAN Connectivity from Institute to Farm Office & Guest House	

- 01.The tender form along with detailed specifications and terms & conditions can be obtained on any working day from 25-01-2016 to 15-02-2016 between 10 AM to 3 PM from the Stores Section, CPCRI RS Vittal on payment of prescribed fee of Rs.100/- each either by cash or Demand Draft drawn in favour of ICAR Unit, CPCRI (RS) Vittal payable at Vittal. Tender forms have already been uploaded at CPCRI website (<http://www.cpcri.gov.in>).Those who are download the tender form may also enclose separate DD for Rs.100/- towards the cost of tender form.
02. Tender for each item should be submitted separately.
- 03 Tenders should contain both Technical bid & Financial bid separately for the equipments at S.No. 01 to 06 in a sealed cover superscribing as **“Quotation for supply of equipment”** and Sl.No.07 **“Quotation for LAN Connectivity” due on 15-02-2016”**.
04. Sealed Tender along with EMD of 2% of the total value quoted should reach this office on or before 5 PM on 15-02-2016. No EMD required for the equipments costing less than Rs.1.00 lakh. The tenders received after the due date will not be considered. The tenders (technical bid) will be opened at 11.00 AM on 16-02-2016 in the committee room of CPCRI, RS Vittal in the presence of tenderers, (if available).

HEAD

2. **EARNEST MONEY:** Earnest money of Rs..... -----(Rupees.....-
-----only) Earnest money @. 2% of the total quoted amount must be deposited in cash or Demand Draft drawn in favour of "ICAR Unit - CPCRI, Vittal" on Syndicate Bank, Vittal by all tenderers with the Head, **CPCRI,RS,Vittal-574 243, Karnataka State** for their tenders and the relevant receipt must accompany the tender. Deposit at Call Receipt of the Syndicate Bank, Vittal will also be accepted as earnest money deposit provided the receipt obtained from the bank is attached with the Tender.

In no circumstances Government Promissory Notes, S.B Pass Book, or Cheque will be received with Tender as Earned Money Deposit.

THE TENDER MAY NOT BE CONSIDERED IF THE EARNEST MONEY RECEIPT IS NOT SENT WITH THE TENDER. No request for transfer of any previous deposit of Earnest Money will be entertained.

It is understood that the tender document has been issued to the tenderer and the tenderer is being permitted to tender in consideration of the stipulation on his part that after submitting his tender, he will not renege from his offer or modify the terms and conditions thereof. Should the tenderer fail to observe and comply with the foregoing stipulation, the aforesaid amount will be forfeited to the Indian Council of Agricultural Research. In the event of the offer made by the tenderer not being accepted, the amount of earnest money deposited by the tenderer will be refunded to him after he has applied for the same in manner prescribed by Indian Council of Agricultural Research.

The Earnest money should not on any account fall short of the amount actually required.

03. **PREPARATION OF TENDER:**

(a) The schedule to the tender form should be returned intact whether you are quoting for any item or not. Pages should not be detached but when items are not being tendered for, the corresponding space should be defaced by some such words as 'not quoting'.

(b) In the event of space on the schedule from being insufficient for the required purpose, additional pages may be added. Each such additional page must be numbered consecutively bear the Tender number and be fully signed by you. In such cases referred to the additional pages must be made in the tender form.

(c) If any modification of the schedule is considered necessary you should communicate the same by means of a separate letter sent with the Tender.

04. **SIGNING OF TENDER:**

(a) The Tender is liable to be ignored if complete information is not given therein if the particulars and data (if any) asked for in the schedule to the Tender are not fully filled in. Specific attention must be paid to delivery dates and also to the General Conditions of the contract as the contract would be governed by them.

- (b) Individual signing the tender or other documents connected with a contract must specify whether he signs as:
- (i) A 'Sole Proprietor' of the firm or constituted attorney of such sole proprietors.
 - (ii) A partner of the firm if it be a partnership in which case he must have authority to refer to arbitration dispute concerning the business of the partnership either by virtue of the partnership agreement or a power of attorney;
 - (iii) Constituted attorney of the firm if it is a company.

NB: (i) In case of (ii) a copy of the partnership agreement of general power of attorney, in either case attested by a Notary Public, should be furnished unless the same has been previously furnished to Indian Council of Agricultural Research or affidavit on stamped paper of all the partners admitting execution of the partnership agreement or the general power of attorney should be furnished.

(ii) In the case of partnership firms, where no authority to refer disputes concerning the business of the partnership has been conferred on any partner, the tender and all other related documents must be signed by every partner of the firm.

(iii) A person signing the Tender form or any documents forming part of the contract on behalf/another of shall be deemed to warranty that he has authority to bind such other and if, on enquiry it appears that the person so signing had no authority to do so the purchaser may, without prejudice to other civil and criminal remedies cancel the contract and hold the signatory liable for all constraints and damages.

(iv) Each page of the Tender, Schedule to tender and annexure, if any, should be signed by the tenderer.

5. **DELIVERY OF TENDER:** The original copy of the tender is to be enclosed in a double cover. The inner cover should be sealed. The outer cover should bear only address of this office without any indication that there is a tender within. Right is reserved to ignore any tender which fails to comply with the above instructions. All outstation tenders should be sent by Registered Post. Only one tender should be included in one cover. Where more than one tender is included in a cover, all tenders so enclosed in one cover will be liable to be ignored.
6. **TEST HOUR FOR RECEIPT OF TENDERS:** Unless otherwise specified in the schedule to Tender your tender must reach this office not later than 5.00 PM on the due date of receipt of the Tender. Tenders sent by hand delivery should be put in the Tender Box at this Office not later than 5.00 PM on the due unless otherwise stipulated in the schedule to Tender.
7. **PERIOD FOR WHICH THE OFFER WILL REMAIN OPEN:** (i) Firms tendering should note that it is desired that their offers should remains open for acceptable for 90 days from the date of opening of tender. If the firms are unable to keep their offers open for the specified period, they should specifically state in the tender form the period up to which they want their tenders to remain open for acceptance.

In the absence of such specifications in the tender it will be assumed that their offers will remain open for acceptance for the period as specified in the schedule.

(ii) Quotations qualified by such vague and indefinite expressions such as "subjects to immediate acceptance", "Subject to prior sale" WILL NOT BE CONSIDERED.

08. **OPENING OF TENDER (to be scored out of opening is not public):** You are at liberty to be present or authorize a representative to be present at the opening of the tender at the time and date as specified in the schedule. The name and address of the representative who would be attending the opening of the tender on your behalf should be indicated in your tender. Please also state the name and address of your permanent representative, if any.

09. **PRICE:** I (i) The prices quoted must be net per unit shown in the schedule and must include all packing and delivery charges. Refunds on accounts of returnable packages (if any) are to be separately specified. Prices refunds must be clearly shown in figures and words in Indian currency.

(ii) The price must be stated for each item separately. The percentage of reduction, in the total price for the entire demand should also be quoted, should an order to that extent be placed with you.

II (i) If it decided to ask for excise duty or any other charges as extra, the same must be specifically stated In the absence of any such stipulation it will be presumed that the prices included all such charges and no claim for the same will be entertained.

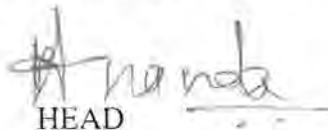
(ii) The price quoted by the tenders should be exclusive of sales tax (and should be clearly stated to be so) which will be paid by the purchaser, if legally leviable at the rate ruling on the date of supply as specified in the Acceptance of Tender.

10. **TERMS OF DELIVERY:** The delivery of stores is required by date(s) specified in the Schedule to Tender. If, however, it is not possible for you to affect delivery by the date(s) you should specify the date by which you can guarantee delivery in the prescribed schedule to the tender.

11. **SAMPLES:** The tenderer should quote his register number of the manufacturing firm under the Sales Tax Department. Quotations without quoting register numbers are liable to be rejected.

12. **PACKING:** Unless a method of packing is indicated in the specification or on the Schedule to Tender Form, the method of packing which he Contractor propose to employ must be described in the schedule to tender form. Contractors are at liberty to quote for additional alternative size and description of packs and these must be described in the Schedule to Tender.

13. **RIGHT OF ACCEPTANCE:** This office does not pledge itself to accept the lowest or any tender and reserve to itself the right of accepting the whole or any part of the tender or portion of the quantity offered and you shall supply the same at the rate quoted. You are at liberty to tender for the whole or any portion or to state in the tender that the rate quoted shall apply only if the entire quantity is taken from you.
14. **COMMUNICATION OF ACCEPTANCE:** Acceptance by the purchaser will be communicated by fax, registered letter of acceptance or formal 'Acceptance of Tender'. In case where acceptance is communicated by fax or registered letter, the formal Acceptance of Tender will be forwarded to you as soon as possible but the instructions contained in the fax or registered letter should be acted upon immediately.
15. **RESERAVATION OF RIGHTS TO ORDER ADDITIONAL QUANTITY:** The purchaser reserve the right to place order on the successful tenderer for additional quantity (upto 25%) of the quantity offered by them at the rate quoted. Tenders are bound to accept order for additional quantity under this clause only if order is placed on them within 6 months from the date of issue of A/T. Similarly the purchaser reserves the right to reduce the number of items (upto 25%) to be supplied and the supplier is bound to supply the items at the quoted and accepted rate within the stipulated time.....
16. **PRE-INSPECTION OF STORES BY THE CONTRACTOR:** In case a contractor is placed on you as a result of this tender, you should satisfy yourself that the stores are in accordance with the terms of the contracts and fully conform to the required specifications by carrying out through pre-inspection. Such precaution on your part should minimize the change of rejection in inspection and the consequences thereof.



HEAD

for and on behalf of the Indian Council of
Agriculture Research- CPCRI

Tender No.

Full name and address of the Tenderer, in addition to Post Box. No. if any, should be quoted in all communications to this office. Contractor's Fax No.
Telephone No :
STD Code use :
Reg. No. :

From

.....
.....
.....

To

The Head
CPCRI,RS,Vittal
Vittal-574 243

Dear Sir,

I/We hereby offer to supply the stores detailed in the schedule here to or such portion there of as you may specify in the Acceptance of Tender at the price given in the said schedule and agree to hold this offer open till (date). I/We shall be bound by a communication of acceptance dispatched within the prescribed time.

2.I/We understood the instruction to Tenders and conditions of Contract included in the General Conditions of contracts governing contracts placed by the Indian Council of Agriculture Research and Research Institutions under it and in the specification of contract and have thoroughly examined the specification drawing and/or pattern quoted in the schedule there to and am/are fully aware of the nature of the stores required and my/our offer is to supply stores strictly in accordance with the requirements.

3. The followings pages have been added to and form part of this tender

.....

Yours faithfully,

(Signature of the Tenderer)
Name & Address & Date

Signature of Witness
Name and Address

SPECIAL INSTRUCTIONS AND CONDITIONS:

01. Purchaser : The Head

Central Plantation Crops Research Institute
Regional Station(ICAR), Vittal-574 243, Karnataka.

02. The Stores are required by the Head, CPCRI, RS,Vittal

Please quote earliest possible guaranteed date by which you can offer supply.

03. Consignee at: As at above (Vittal, DK,Karnataka)

04. Finished goods are to be supplied to this Institute and not at the site of the tenderer.

05. Conditions of contract: As contained in Special General conditions of contract schedule and annexure to the tender attached herewith.

06. Tenderers are bound to accept order for additional quantity (upto 25%) at the rate quoted only if order is placed on them within 6 months from the date of issue of A/T.

07. In case the tenderer wants to furnish in a separate covering letter only additional information/particulars or quote conditions (eg. those relating to allowance, discount, rebate etc.) which cannot be accommodated in the tender form, an indication to that effect should be given in the tender form by means of a note. In the absence of such indication in the tender form the contents of the covering letter will be ignored in consideration of tender.

08. Firms should note that it is desired that their offer should remain open for acceptance for 90 days from the date of opening of the tender. If the firms are unable to keep their offers open for the specified period they should specifically state in the tender form the period upto which they want their tenders to remain open for acceptance. In the absence of such an indication in the tender form it will be assumed that their offers will remain open for the period as specified in the schedule to Tender.

09. Payment: Payment will be made by cheque/DD/e-payment after receipt of the complete supply and only if items are found to be in accordance with our specifications and other details.

10. (i) Photostat copy duly attested as correct of the Sales Tax declaration to the effect the firm is registered under the Sales-tax department, and

(ii) 3-GA(5) or 3-GA(2) form, as the case may be, should be attached along with each, bill of supply, otherwise the purchase tax as may be applicable, will be deducted from each bill of supply.

ANNEXURE TO SCHEDULE TO TENDER

(To be returned by Tenderers along with the Tender duly signed)

01. GENERAL:

Tenderers should furnish a clear declaration as follows:

I/We declare that I am/We are

- (i) Manufacturers
- (ii) Manufacturers authorized agents
- (iii) Holders in stock of the stores, tendered for (Strike out what is not applicable)

02. CONDITIONS OF CONTRACT:

Printed or cyclostyled or such terms and conditions of the tendering firms not appearing in the body of the tenders will be considered as forming part of their tender. Tendering firms should quote on the basis of the conditions referred to in para 1 of the Invitations to Tenders and Instructions to Tenders. In case any terms and conditions of contracts of contract applicable to this invitation to Tender are not acceptable to the tendering firms, they should specifically state deviation there from in the body of their tender.

03. DEVIATION FROM SPECIFICATION:

It is in the interest of the tenderers to study the specifications, drawing etc., specified in the tender schedule thoroughly before quoting so that if any deviations are made by the tenderers the same are prominently brought out in the body of their tender.

04. PRICE:

- (a) Price must be in terms of new coinage systems, viz. Rupees and Paisa.
- (b) The unit prices should be for the same units indicated in the schedule to tender enquiry and not any other unit.
- (c) Prices quoted be invariably for delivery F.O.R. station of destination or (of dispatch) in Indian and inclusive of charges such as packing, forwarding, customs duty, octroi, etc. where applicable.
- (d) Quantity discount, if any, should be indicated prominently.
- (e) The F.O.R. Station of Dispatch prices shall be deemed to include free delivery to the consignee situated at Vittal, Dakshina Kannada.
- (f) (i) Offers on firm price are preferred.
(ii) Where firms cannot quote firm prices, variable prices with a ceiling are preferred.
(iii) Where wages escalator is insisted upon, due consideration is given to the offer with lowest wages escalator factor.

05. TRANSIT INSURANCE:

The purchaser will not pay separately for transit insurance and the supplier will be responsible till the entire stores contracted for arrive in good condition at destination.

The consignee will as soon as possible but not later than 30 days of the date of arrival of stores at destination, notify the contractor of any loss or damage to the stores that may have occurred during transit.

Tenders/quotations in which transit insurance cost has been claimed as an extra, may not be considered.

06. PRICE PREFERENCE FOR EARLIER DELIVERY:

It should be noted that if a contract is placed on a higher tenderer as a result of this invitation to tender in preference to the lowest acceptable offer in consideration of offer earlier delivery, the contractor will be liable to pay to the Council the difference between the contract rate and that of the lowest acceptable tender, on the basis of F.O.R. destination including all elements of freight, sales tax, local taxes duties and other incidentals in case of failure to complete supplies in terms of such contract within the date of delivery specified in the tender and incorporated in the contract. This is in addition to and without prejudice to other rights under the terms of the contract.

07. PAYMENTS TERMS.

- (i) The standard terms of payments as embodied in the General conditions of contract and/or special conditions of contract will apply and no relaxation will be possible.
- (ii) If payment is desired to be made to the Contractor's Bankers or other parties, the endorsement must be completed in the bill form and signed separately and the word 'self' scored out. In addition, as power of attorney or transfer deed will be necessary in such cases conferring authority on the Bankers or the party concerned to receive payment on behalf of the contractor:

08. ADDITIONAL PARTICULARS TO BE FURNISHED BY THE TENDERER:

Tenderers shall submit along with their tender;

- (i) An income tax clearance certificate (duly countersigned by the Income Tax Officer of the circle concerned under the seal of his office).
- (ii) Name and full address of their Banker:
- (iii) Performance statement duly signed by them regarding supplies made by them against contract received from the DG&D, Chief Contractor of Printing and Stationery (Govt. Of India) for similar stores for the past three years. In case the tenderer has not secured any contract during past three years he should give the performance against earlier contracts placed on him, if any.
- (iv) The equipment they possess for the manufacture of the stores and for quality control.

NOTE: Tenders not containing the above particulars are liable to be ignored.

09. GURANTEE/WARANTY:

The Contractor shall furnish the following warranty in case contractor is placed on him.

The Contractor/seller hereby declares that the goods/stores, articles sold to the buyer under this contract shall be of the best quality (and workmanship) and shall be strictly in accordance with the specifications and particulars contained/mentioned in the clause thereof and the contractor/seller hereby guarantees that the said goods/articles/stores would continue to conform to the description and quality aforesaid for a period ofdays/months from the date of delivery of the said goods/stores/articles to the purchaser and notwithstanding the facts that the purchaser (Inspector) may have inspected and/or approved the said goods/stores/articles, if during the aforesaid period of days/months the said goods/stores/articles be discovered not to conform to the description and quality aforesaid or have deteriorated (and the decisions of the purchaser in that behalf will be final and conclusive) the purchaser will be entitled to reject the said goods/stores/articles or such portion thereof as may be discovered not to conform to the said description and quality. On such rejection the goods/articles stores will be at the seller's risk and all the provisions herein contained relating to rejection of goods, etc., shall apply, the contractor/seller shall, if so called upon to do replace within a period of..... Days/months or such further period as may be extended from time to time by the purchaser in his description on an application made therefore by the contractors/seller of the goods/stores/articles or such portion thereof as is rejected by the purchaser and in such an event the above mentioned warranty period shall apply to the goods/stores/articles replaced from the date of replacement thereof otherwise the contractor/seller shall pay to the purchaser such damages as may arise by reason of the breach of the conditions herein contained. Nothing herein contained shall prejudice any other right of the purchaser in that behalf under this contract or otherwise.

10. JURISDICTION:

All question, disputes or differences under, out of or in connection with contract, it concluded, shall be subject to the exclusive jurisdiction of the Court within the local limits of whose jurisdiction the place from which the Acceptance of Tender is issued, is situated.

(Signature of Tenderer)

(Note: Clauses not applicable to a particular tender may be scored out duly authenticated before issuing tender paper)

TENDER SCHEDULE - I

Sl.No.	Full description	Qty.	Rate	Amount
01	<p>Research microscope (trinocular) with Image analyzing options Specifications</p> <ul style="list-style-type: none"> Trinocular compound research microscope with bright field/dark field, phase contrast observations, simple polarization contrast, fluorescence contrast <p>Eye Piece 10X with F.O.V 20 with Diopter adjustment on both the eyepiece. Focus: Coarse Stroke – 30mm per rotation, Fine Stroke – 0.2mm per rotation. Minimum Reading 2 micron, coarse motion torque adjustable, refocusing function. Quadruple nosepiece to accommodate 4 objectives at a time. Right Handle Stage with 2 specimen holder and cross travel 78 (X) x 54 (Y)mm, stage handle height and torque adjustable for all stages. Mechanical Stage should be of refocussing mechanism type. Objectives – CFI E Plan Achromat 4X, N.A. 0.10, W.D. 30mm, CFI Plan Achromat DL 10X, N.A. 0.25, W.D. 10.5 mm, Ph1, CFI Plan Achromat DL 40X, N.A. 0.65, W.D. 0.56 mm, Ph2, Spring-loaded, CFI Plan Achromat DL 100X Oil A, N.A. 1.25, W.D. 0.20 mm, Ph3, Spring-loaded.</p> <p>Phase Contrast Turret Condenser with 6 positions and Dark Field upto 40X. Chromatic Aberration Free Infinity Optical System. Eco-Illumination 6Watts LED illumination with Fly-Eye Optics for uniform illumination across the entire field of view. 5 Years Warranty for LED illuminator. Sidentopf-type Trinocular tube with light path selector of 100:0, 0:100 and inclination @ 30 degree. Anti Mould Agent and Dust Cover should be there. Epi-Fluorescence Attachment – Epi-Fluorescence Attachment with LED Illuminator, Filter Block Blue and Green Filters. The LED illumination should have a lifer time of 10,000 working hours.</p> <p>Photomicrography Attachment – Digital camera capable of handling brightfield, Fluorescence, DIC, darkfield images with 2/3" high density ccd chip, approx. 5.24 million pixel resolution. Live display mode : (5m interlace mode – 4.4 frames/sec.; 37 frame per / sec. With roi & binning) ; binning modes : 2x2, 4x4, digital</p>			

	<p>zoom : upto 16x (8 steps) ; interval shooting : 10 sec. – 12 hr intervals. Software should be comes along with camera for acquiring & capturing of images. Should have separate modes for different microscopy techniques i.e. Brightfield, fluorescence, Phase, DIC, darkfield images. Fire wire port for attaching camera onto desktop through single wire. Camera Control Unit Should Capable To Control Two Cameras Simultaneously.</p> <p>Suitable PC for capturing & storing image should be provided along with the Microscope.</p> <p>MICROSCOPE, CAMERA & SOFTWARE SHOULD BE FROM SAME MANUFACTURER FOR BETTER COMPATIBILITY.</p> <p>Optional upgradation: Polarizing Attachment and Teaching Head Attachment.</p>			
02	<p>PCR Thermal Cycler Gradient PCR Specifications:- Universal Block for 96 x 0.2ml PCR Tube, 71 x 0.5 ml PCR Tube, One 8x12 PCR plate Gradient PCR, capable of testing 12 different temperatures simultaneously across a gradient range of 1 - 20° C Temperature control range: from 4 °C to 99°C Temperature Control Mode: Fast, Standard and Safe Lid Temperature range: 37 - 110 °C Block Temperature Accuracy: ± 0.2°C Block Homogeneity: 20° C to 72° C: ≤ ±0.3° C, 95° C: ≤ ± 0.4° C Temperature control speed: approx. 3 °C/s (heating) Temperature control speed: approx. 2 °C/s (cooling) Lid descent and closing pressure - Flexlid technology with Thermal sample Protection Intuitive Graphic programming with larger display Preprogrammed template for easy selection from 16 temperature protocols viz. 2 step PCR, 3 Step PCR, Gradient PCR, Long Range PCR, Low volume PCR, RT, RT-PCR, Incubation, Cycle sequencing, Touch down PCR, Hot Start PCR, Hot Start PCR manual, Large volume PCR, Nested cycles, reduced ramping, Adjustable ramp rate from 0.1° C to 3.0° C to meet critical amplification conditions Customized programming allows a maximum of 20 steps and 99 cycles System memory of more than 100 User folders and more than 700 programs</p>			

	<p>Two USB ports: for Protocol transfer, Self-test, USB, printer / mouse</p> <p>Option to connect up to TWO Moudule for ultimate throughput.</p> <p>Optional Self-test dongle to check functionality of all 6 peltier elements</p> <p>Interface: Ethernet, CAN in, CAN out</p> <p>Power supply: 230 V, 50-60 Hz</p> <p>Power consumption: 700 W</p> <p>Calibration according to NIST (USA), DKD/PTB (Germany) UKAS/NPL (UK), UL/CUL listed</p> <p>Two year warranty</p>			
03	<p>Gel documentation assembly</p> <ol style="list-style-type: none"> 1- Imaging system should have Automatic capabilities with Application driven, user selected or recalled by a protocol. 2- Should have 100 % repeatability via recallable protocols. 3- System should have pre-calibrated focus for any zoom settings & sample height. 4- Should have appropriate flat fielding correction automatically& consistently applied to image data for every application.. 5- Versatile system to support wide range of applications like- Fluorescent dye like syber green, syber safe, Western blotting, 2-D, 1-D, Dot Blotting, Nucleic acid detection , Qunatitation etc. 6- Should have true 12 bit true CCD camera with more than 4 MP Resolution. 7- System can take max. Sample size 28 X 36 cm. 8- System should have precalibrated& optimized dynamic image flat fielding 9- It should universal dark hood &upgradeable to chemilumnescence. 10- Should have motorized zoom lens- f/1.2, 12-75mm with numerical feedback value to reduce the experimental variation -Capable of Optimizing, saving, and quickly recalling the imaging acquisition settings 11- Safe DNA Imaging without UV exposure- using the Optional Blue Conversion screen to prevent damage from UV and preserve samples for downstream protein production. 12- Reproducibly position or center the sample on the image platen by using Optional gel alignment templates. 13- The system should be capable of using it as a 	1		

	<p>standalone UV Transilluminator.</p> <p>14- Should be supplied with Software which is compatible with Macintosh and window operating system.</p> <p>15- Should come with 1 D analysis software with following features</p> <ul style="list-style-type: none"> ✓ Single mouse click from image capture to results and reports, very fast and efficient. ✓ Should have comprehensive automated quantitative analysis of proteins & DNA samples in seconds. ✓ Intuitive and well organized (efficient) selection of workflows based on applications ✓ Should calculate precisely continuous focus curves that are consistently and automatically applied for every zoom position and sample height. No user intervention for focusing. All calculations are done at setup, once and for all image captures ✓ Should have facility to save the protocols. ✓ Should provide a complete non pixilated image during zoom. ✓ Should have a option of exporting the images as per publication guidelines of size and DPI. <p>Software should be multi user capable</p>			
04	<p>UV Spectrophotometer</p> <p>Wavelength range- 190-1100 nm</p> <p>Absorbance range - $\pm 3 A$</p> <p>Stray light</p> <p>At 220 nm (NaI) : $<0.05 \% T$</p> <p>At 340 nm ($NaNO_2$): $<0.03 \% T$</p> <p>At 200 nm (KCl) : $<1 \% T$</p> <p>Band width : 2 nm</p> <p>Wavelength accuracy: $\pm 1 nm$</p> <p>Wavelength reproducibility $<0.02 nm$</p> <p>Photometric accuracy; at 1A $\pm 0.01 A$</p> <p>Photometric reproducibility ; at 1A $<0.002 A$</p> <p>Photometric drift :at 1A, 500 nm: $<0.002 A / hr$</p> <p>Photometric noise (RMS) 1 nm Slit</p> <p>Scan speed : $<3 seconds$ (full range)</p> <p>Source: Xenon flash or D2 Lamp for UV range, tungsten lamp for visible range with auto switchover facility</p>	i		
05	<p>pH meter</p> <p>Microprocessor based pH meter range: 0-14</p> <p>Measurement accuracy: $\pm 0.01 pH$</p> <p>Resolution: 0.01 pH</p> <p>Repeatability: ± 0.01</p>	i		

	Readout: 3 and ½ digit, 7 segment LED display of 12.7 mm height with polarity indication Temperature compensation: Manual/Automatic upto 100 degree Celsius EMF in mV +/- 1999			
06	Split Airconditioner 1.5 ton single phase 230 volt split AC with suitable stabilizer and accessories including installation and testing charges	4nos		

TENDER SCHEDULE - II

07- LAN connectivity from Institute to Farm Office and Guest House at ICAR-CPCRI, Regional Station, Vittal

Supply:

Sl. No.	Description	Qty	UoM	Rate	Amount
1	Ruckus ZoneFlex 7372 dual-band (5 GHz and 2.4 GHz concurrent) 802 11n Wireless Access Point, 2x2:2 streams, BeamFlex, PD-MRC, dual ports, PoE support. Does not include power adapter or PoE injector.	3	No.		
2	Power Over Ethernet (PoE) switch	3	No.		
3	Cisco 24 Port 10/100/1000 L2 managed switch with 2 SFP ports	3	No.		
4	GE SFP module, LC Connector	4	No.		
5	6 core outdoor armoured OFC Cable,	1200	Mtr.		
6	SM 12 port LIU with splice tray & Fully Loaded adapters	1	No.		
7	6 port LIU with splice tray & Fully Loaded adapters	2	No.		
8	SC Pigtails, SM	16	No.		
9	SC – LC Patch chord, SM, Duplex, 3 Mtr.	4	No.		
10	CAT6 UTP Cable	2	Box		
11	CAT6 I/O	7	No.		
12	Faceplate	7	No.		
13	SMB	7	No.		
14	CAT6 Patch Chord – 1Mtr.	15	No.		
15	CAT6 Patch Chord – 2Mtr.	10	No.		
16	RJ-45 Connector	10	No.		
17	6U wallmount network rack with glass door, lock & key, power strip with 6 sockets, 1 fan & mounting hardware	2	No.		
18	PVC Casing / capping / Pipe / Flexi - 1"	350	Mtr.		
19	PVC Casing / capping / Pipe / Flexi - 2"	40	Mtr.		
20	HDPE Pipe - 32MM	1150	Mtr.		
				Sub Total	

Services :

SI. No.	Description	Qty	UoM	Rate	Amount
1	Fixing & Configuration of indoor access	3	No.		
2	Fixing & Configuration of 24-Port	3	No.		
3	Laying of 6 core SM OFC	1200	Mtr.		
4	Splicing of Pigtail SM	16	No.		
5	Fixing and Termination of 12 Port LIU with	1	No.		
6	Fixing & Termination of 6 Port LIU with Couplers	2	No.		
7	Laying of CAT6 UTP Cable	610	Mtr		
8	Fixing & Termination of I/O with faceplate & CMP	7	No.		
9	Crimping of RJ 45 Connector	10	No.		
10	Fixing of 6U Rack	2	No.		
11	Laying of PVC Pipe / Casing & Capping	390	Mtr.		
12	Digging of Hard and Soft Soil	1100	Mtr.		
13	Laying of HDPE Pipe	1150	Mtr.		
14	Testing & Numbering of I/O's	10	No.		
15	Dressing of UTP Cables	10	No.		
				Sub Total	
				GRAND TOTAL	

Warranty : 1Year

Tender is further subject to the following terms and conditions:

1. The rates quoted should be valid for a minimum period of 90 days from the due date of receipt of tender.
2. Complete description, specification of the items (s) quoted should be given.
3. Should indicate time required or effecting the supply/installation upon receipt of supply order.
4. Should indicate the rate of ST/CST/ED/VAT/Entry Tax etc. charged extra
5. Should indicate your TIN/PANNAT/ST Registration No.
6. Should specify whether the item (s) quoted are under DGS & D rate contract. If so details of the rate contract should be furnished with the Tender.
7. Tender should clearly indicate the point of supply such as Ex-works /FOR dispatch station/FOR destination.
8. EARNEST MONEY @ 2% of total cost must be deposited in cash or demand draft drawn in favour of "ICAR Unit, CPCRI, RS,Vittal" payable at Syndicate Bank Vittal. No EMD for the equipment costing less than Rs.1.00 lakh .
9. TRANSIT INSURANCE : The purchaser will not pay separately for transit insurance and the supplier will be responsible until the entire stores contracted for arrive in good condition at destination
10. The buyer shall have the right to levy liquidated damages at a percentage not exceeding 2% per each month or part thereof in respect of supplies so delayed and delivered
11. Guarantee offered for the item(s) should be indicated from the date of receipt of item(s)
12. Payment will be made only after satisfactory receipt/installation of the item(s)/completion of work. No advance payment/part payment is admissible as per rules.
13. . Tender received after the due date and without EMD will not be entertained.
14. The item(s) ordered should be supplied in a lot. Part supply will not be accepted
15. The right to accept or reject the tender rests with the Head, CPCRI, RS,Vittal
16. The successful bidder receiving the contract order should furnish a performance security for an amount of 5% of the quoted rate (for the equipments costing Rs.1.00 lakh and above) Performance security may be furnished in the form of an Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from a Commercial Bank in an acceptable form. The performance security valid for a period for 60 days beyond the date of completion of all the contractual obligations including warranty obligations should be furnished within 15 days of acceptance of order. EMD will be refunded to the successful bidder on receipt of Performance Security.
17. Interested parties may submit the proposal in two bid system. i.e. Technical and Financial proposals. The technical and financial proposal must be submitted in two separate sealed envelopes indicating clearly on envelopes as "Technical proposal" and "Financial Proposal" . Financial proposal to indicate a warning "do not open with the Technical proposal". The envelopes containing the Technical and Financial proposals shall be placed into an outer envelope and sealed. This outer envelope shall bear the title of the assignment as supply of (mention name of equipment)..... " due on 15.02.2016.