

ई मेल : headcpcri@yahoo.co.in

प्रमुख : 91-479-2442004

फोन: पीए..बी.एक्स: 91-479-2442104, 2442160

फैक्स: 91-479-2445733

भारतीय कृषि अनुसंधान परिषद

Indian Council of Agricultural Research

केन्द्रीय रोपण फ़सल अनुसंधान संस्थान

ICAR - CENTRAL PLANTATION CROPS RESEARCH INSTITUTE

प्रादेशिक केन्द्र, कायंकुलम, केरल-६९०५३३

Regional Station, Kayangulam, Krishnapuram-690 533, Kerala



No.F.1(23)XII th Plan/2012-17

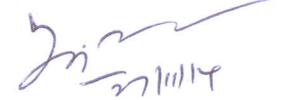
Dated 27-11-2014

TENDER NOTICE

Sealed tenders under two-bid system (**Technical/Financial bids**) are invited from the reputed Manufacturers/Dealers for supply and installation of the following equipments at CPCRI (RS) Kayamkulam.

Sl.No.	Name of Item	Quantity (No)
01.	TOC Analyzer	One
02.	Video Conferencing Unit with Accessories	One

1. The tender form along with detailed specifications and terms & conditions can be obtained on any working day from 01.12.2014 to 20.12.2014 between 9.30 am to 4.00 pm from the Stores Section, CPCRI, Kayamkulam on payment of Rs.500/- each, by Demand Draft drawn in favour of the **ICAR Unit, CPCRI, (RS) Kayamkulam payable at SBT Kayamkulam.**
2. Tender form can also be downloaded from the Institute website www.cpcri.gov.in and the cost of the same should be enclosed along with the tender. Separate Tender should be submitted for each item.
3. Tender should be submitted in two bid system i.e. **Technical Bid & Financial Bid in Separate Sealed Covers.**
4. Sealed Tender along with EMD of 3% of the total value quoted should reach this office on or before 11.00 AM on 22.12.2014. **The tenders received after the due date and tenders without tender cost and EMD shall not be considered.** The tenders (technical bid) will be opened at **03.30 PM on 22.12.2014** in the Office in the presence of tenderers, if any, present.


27/11/14

HEAD

To

ई मेल : headcpcrri@yahoo.co.in

प्रमुख : 91-479-244200
फ़ोन : पी ए बी एक्स : 91-479-2442104 2 442160

फैक्स : 91-479-2445733

केन्द्रीय रोपण फसल अनुसंधान संस्थान

(भारतीय कृषि अनुसंधान परिषद)

प्रादेशिक केन्द्र, कायमकुलम, कृष्णपुरम (डाक), 690 533, केरल

CENTRAL PLANTATION CROPS RESEARCH INSTITUTE

(Indian Council of Agricultural Research)

Regional Station, Kayangulam, Krishnapuram-690 533, Kerala



INVITATION TO TENDER AND INSTRUCTION TO TENDERS

F. No:1(23)XIIth Plan/2012-17

Date:27-11-2014

Note: The envelope containing the tender as well as subsequent communication should be addressed and delivered to:

The Head
Central Plantation Crops Research Institute,
Kayamkulam – 690 533, Kerala State.

All communications must be addressed to the Officer named above by 'TITLE' only and not by name.

From

The Head
Central Plantation Crops Research Institute
Kayamkulam -690 533, Kerala

To

.....
.....

Dear Sir/s,

On behalf of the purchaser (named in the schedule attached to the Tender from enclosed) I invite you to tender for the supply of the stores detailed in the said schedule. The conditions of contract, which will govern any contract made, are those contained in the General Conditions of Contract Applicable to the Contracts placed by Indian Council of Agricultural Research and the Research Institutes under it and the special conditions detailed in the Tender form (and those attached herewith). If you are in a position to quote for supply in accordance with the requirements stated in the attached schedule, please submit your quotations to this office on the prescribed tender form attached.

Only in exceptional cases and for adequate reasons letter quotations will be considered if they are received from firms who are in the approved list of registered suppliers maintained by the Indian Council of Agricultural Research and provided these letter quotations are complete in all respect with regard to price (item-wise prices where necessary) specifications, delivery and other particulars essential to enable a decision on purchase to be taken and provided also the quotations are confirmed within three days from the due date of receipt of tender in the prescribed form.

2. EARNEST MONEY: Earnest money of Rs..... (Rupees..... only)/ Earnest money @. 3% of the total quoted amount must be deposited by Demand Draft drawn in favour of “ICAR Unit - CPCRI, (RS) Kayamkulam” payable on SBT, Kayamkulam by all tenderers with the Head, CPCRI, Kayamkulam -690 533, Kerala State for their tenders and the relevant receipt must accompany the tender.

In no circumstances will Government Promissory Notes, S.B Pass Book, or Cheque 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.

3. 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.

4. 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 11.00 AM on 20-12-2014..
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.

8. **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.

9. **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 the 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 (up to 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 (up to 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.

Sd/-
HEAD

for and on behalf of the Indian Council of Agriculture Research

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
Kayamkulam – 690 533

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 following 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
(ICAR), Regional Station, Kayamkulam -690 533, Kerala.
02. The Stores are required by the Head, CPCRI, Kayamkulam
Please quote earliest possible guaranteed date by which you can offer supply.
03. Finished goods are to be supplied to this Institute and not at the site of the tenderer.
04. Conditions of contract: As contained in Special General conditions of contract schedule and annexure to the tender attached herewith.
05. 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.
06. 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.
07. 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 from the period up to 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.
08. Payment: Payment will be made by cheque/DD after receipt of the complete supply and only if items are found to be in accordance with our specifications and other details.
- 09 (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)

2. 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.

4. 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 Despatch prices shall be deemed to include free delivery to the consignee situated within Municipal/Corporation limits/a radius of 10 KM from the firm's premises in case of local delivery.
- (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.

7. 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:

8. 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 contract 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 of

.....days/months from the date of delivery of the said goods/stores/articles to the purchaser and not with standing 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)

SCHEDULE TO TENDER FOR TOC ANALYZER

Tender No. : 1/2014
 Time and date of receipt of tender : Up to 11.00 am on 22 .12.2014
 Time and date of Opening Tender : 03.30 pm on 22 .12.2014

Sl.No	Name and Specifications of the Item	Qty.	Rate (Rs.)	Price (Rs)
1	<p>TOC ANALYZER</p> <p><u>Specifications:</u></p> <ul style="list-style-type: none"> • Determination of carbon fractions (TOC/TIC/BOC/EC) in solid and pasty samples. • Modular design – system extensions with additional detectors or modules should be possible at any time • Shelf Check System (SCS) – continuous system monitoring for instrument safety and the quality of the analysis results. • Pyrolysis function for the determination of activated charcoal, elemental carbon (EC) and the biodegradable organic carbon (BOC). • Pre-furnace for the differential determination of different carbon compounds, such as differential thermal determination of TIC/TOC and determination of surface carbon. • Necessary software for calibration data acquisition , analysis and interpretation. • Preconfigured/default standard methods to assure easy operation. • User oriented functions including : multiple point calibration, blank value correction, post calculation of results, freely selectable dimensions for result reporting, statistics. • Analyzer to work in conjunction with ISO Standards. • Comfortable management and storage of the measurement data and parameters, automatic or manual data export. • Should be supplied with PC (OS compatible with the software preferably Windows 8, Intel i3/i5 processor, 500 GB SATA HDD, 4 GB DDR3 RAM. DVD Writer) with necessary ports, slots and chasis suitable for the TOC analyzer. • Operating Principle: Catalytic combustion oxidation/NDIR method • Operation Method : PC Control • Measurement Accuracy : High measurement accuracy with 1.5%CV(max) • Measurement Range : ≤ 4 4ppb to 39,000 ppm • IC Treatment - Internal acidification and sparging • Dilution : Automatic • Acid Sparging : Automatic • Carrier Gas : High Purity air • Instrument Background correction and check function • Analyser should have built in ultra pure (Carbon free water generation system • Comprehensive Calibration system for multipoint calibration curves • Energy Saving : Automatic power off after electric furnace cools down. 	One		

SCHEDULE TO TENDER FOR VIDEO CONFERENCING UNIT**Tender No. : 2/2014****Time and Date of receipt of Tender : Up to 11.00 AM on 22-12-2014****Time and date of opening of Tender : 03.30 pm on 22.12.2014****Detailed Technical Specification****A. LED Display**

	Brand			
	Model			
Sl. No	Description	Required Specification	Please specify compliance (Yes/No)	Remarks
1.	Size of the Display Panel	55 inch or above		
2.	Type of LED Panel	Edge LED		
3.	Aspect Ratio	16:9		
4.	3D	Yes		
5.	Number of Pixels (HX V)	1920 x 1080 Pixels		
6.	Backlight Scanning	600Hz		
7.	Brightness	Not less than 450 cd/m ²		
8.	Viewing Angle(Horizontal/Vertical)	178°/178°		
9.	Operating Life	Should be approx 50000 hrs		
10	Built-in Speakers	20W (10W+10W)		
11	Support Format	AVI/MKV/WMV/MP4/M4V/FLV/3GPP/VRO/VOB/TS/PS,MP3/AAC/WMA, JPEG/Progressive,SD-Video/AVCHD 3D/FLAC/WAV/MPO		
12	Input	RCA x 1, HDMI x 3, USB 2.0 x2, PC x 1,LAN x 1,		
13	Features Required	1. Inbuilt Media player 2. Web Browser 3. Shall have Cloud Based Internet Facility 4. Shall Support Wifi 5. Should have the facility to Share the file wirelessly.		
14	Rated power Consumption	Should be less than 130W		
15	Weight of Panel	Not more than 25Kg		

B. Wall Mount Kit For above Display

	Brand			
	Model			
Sl. No	Description	Required Specification	Please specify compliance (Yes/No)	Remarks
1.	Type	Wall Mount Kit for above Display		

C. Video Conferencing Equipment

	Brand			
	Model			
Sl. No	Description	Required Specification	Please specify compliance (Yes/No)	Remarks
1.	Videoconferencing Type	Full HD Videoconferencing equipment delivers 1080p30/720p60 video quality with dual HD display and camera support, digital input & output connections, an embedded 4 way, Full HD multipoint control unit & dual microphone		
2.	Camera Support	The video codec should support dual cameras		
3.	Resolution Support	The video codec shall support the following at a minimum: 1. 1920x1080 resolution a) With Progressive Scan @ 30 frames per second 2. 1280x720 resolution a. With Progressive Scan @ 60 frames per second b. With Progressive Scan		

		@ 30 frames per second		
4.	Multipoint Capability	The video codec shall provide the following in-built multipoint capability using either continuous presence or voice-activated switching at a minimum: a.Up to 3 other codecs dialing into the codec at 1080p with 30 fps b.Up to 3 other codec's dialing into the codec at 720p with 60 fps c.Up to 3 other codecs dialing into the codec at 720p with 30 fps		
5.	Far end camera control	The video codec shall provide support for H.323 Annex Q for each participant in a multipoint call		
6.	Data collaboration	The video codec shall provide support for H.239/BFCP from any participant in a multiway call.		
7.	Bandwidth Consumption	The video conference system shall utilize a minimal consumption of bandwidth of 768 kbps when supporting 720p30. And it shall support low bandwidths down to a minimum of 128 kbps		
8.	Dual Display Option	The video conference system must support a minimum of two external Full HD displays, 1920x1080p, for a crystal-clear picture and data-sharing.		
9.	Camera Presets	The video conference system shall support a minimum of 10 camera presets.		
10.	Camera Lens	The video conference system must support a Full HD PTZ 10x optical zoom camera.		
11.	Supporting Protocols	The video conference system shall support		

		both H.323 and SIP.		
12.	Audio Frequency range	The video conference system must have high-definition audio from 100 Hz up to 16 kHz.		
13.	Audio Feature	The video conference system must support full duplex audio for natural conversations.		
14.	Audio Filter	The video conference system must have automatic noise reduction, automatic gain control and echo cancellation.		
15.	Recording option	The video codec shall support recording of calls to an external appliance. The codec should support either MPEG4 or H.264 video standards. When recording using MPEG4, the recording appliance should not be seen to be a participant in the call, but shall provide a simple recording notification on screen for all participants.		
16.	Support Dial In & Dial out recording	The video conference system must support dial-in recording & dial-out recording		
17.	Recording quality	The video codec's capability or quality when sending and receiving dual streams should not be compromised when recording to an external appliance.		
18.	Directory	The video conference system shall support auto-discovery address/directory lookup.		
19.	Microphone	The video conference system must have Dual omni-directional microphones MicPod splitter, Mute button Powered by codec directly through cable Including extension cable (7.5M +15 m)		
20.	NAT/firewall traversal	The video conference system shall support		

	(H.460/SIP).	NAT/firewall traversal (H.460/SIP).		
21.	Back up & restore	The video conference system must have backup and restore functionality.		
22.	External management tool	The video conference system shall support an external management tool for configuration, backup and restore.		
23.	Web access	The video conference system must provide the ability for IT staff to remotely see, via the web, snapshots of an ongoing conference.		
24.	Video inputs	The video conference system shall support at least three possible sources of video input.		
25.	Disable SSH, HTTPS and Telnet services	The video conference system must have the ability to disable SSH, HTTPS and Telnet services.		
26.	Compatibility	The video conference system should support registration to Avaya Aura Communication Manager 6.1.x and SIP Enablement Services v5.1		
27.	Bandwidth Detection	The video conference system must have granular auto bandwidth detection.		
28.	Forward error correction.	The video conference system must support forward error correction.		
29.	Adaptive Motion Control.	The video conference system must support Adaptive Motion Control.		
30.	Multi Call Audio	The video conference system must support three-way audio in order to maintain speech possibility during play of an external video.		
31.	Interface	The video conference system must support single		

		cable HDMI connectivity to an HD display.		
32.	Dual Stream	The video codec shall provide support for sending and receiving two separate streams simultaneously in either a point-to-point call or multipoint calls. The dual streams supported shall be at a minimum: 1080p30 and 720p5 720p60 and 720p5 720p30 and 720p30		
33.	Resolution uphold	When experiencing packet loss, the codec should first attempt to drop the resolution of the call and maintain the frame rate.		
34.	Audio and video standards	The video codec should support the following audio and video standards: H.261, H.263, H.263+, H.264, G.711, G.722, G.722.1c, G.728, G.729, MPEG4-AAC-LC.		
35.	Internet Protocol	The video codec should support both IPv4 and IPv6.		

D. Partner Assurance Maintenance Services (1-year)

	Brand			
	Model			
Sl. No	Description	Required Specification	Please specify compliance (Yes/No)	Remarks
1.	Type	Partner Assurance Maintenance Service for the above Video Conferencing Equipment		

E. Architectural adaptor plate with HDMI and VGA

	Brand			
	Model			
Sl. No	Description	Required Specification	Please specify compliance (Yes/No)	Remarks

1.	Type	1 Gang Wall mount Presentation Plate with VGA Audio and HDMI Interface		
2.	HDMI Input Connector	HDMI female to HDMI female 10" pigtail		
3.	VGA Connector	Computer video: 15-pin female to 15-pin female on 6" pigtail		
4.	Audio Input Connector	Stereo audio: 3.5 mm stereo mini jack to captive screw		
5.	DDC transmission	Should facilitate EDID communication and HDCP exchange between the display and source.		
6.	Mandatory Requirement	HDCP compliant		
7.	Construction	Durable metal		

F. Video Scaler

	Brand			
	Model			
Sl. No	Description	Required Specification	Please specify compliance (Yes/No)	Remarks
1.	Scaling Type	HDMI, RGB, HDTV, and video input to HDMI output		
2.	Inputs	One HDMI, one RGBHV or component video on 15-pin HD, one composite video on BNC, three 3.5 mm stereo mini jacks for audio		
3.	Output	One HDMI		
4.	Audio embedding	Analog input audio signals can be embedded onto the HDMI output signal		
5.	Output rates	640x480 to 1920x1200, including HDTV 1080p/60 and 2K (Selectable)		

6.	Video signal processing	30-bit processing and 1080i deinterlacing		
7.	HDMI specification features	Supported data rates up to 6.75 Gbps, Deep Color, and HD lossless audio formats		
8.	Image Correction	Picture controls for brightness, contrast, color, tint, and detail, as well as horizontal and vertical positioning, and sizing		
9.	Switching between inputs	Automatic		
10.	Mandatory Requirement	HDCP compliant		
11.	Control port	RS-232		

G. HDMI Distribution Amplifier

	Brand			
	Model			
Sl. No	Description	Required Specification	Please specify compliance (Yes/No)	Remarks
1.	Type	HDMI Distribution Amplifier- Distributes HDMI and embedded Multi -channel Audio Digital Signals		
2.	Input	One female HDMI type-A Connector		
3.	Output	Two HDMI type-A Connector		
4.	Mandatory Requirement	HDCP Complaint		
5.	Output rates	Supports Computer- Video to 1920 * 1200,Including HDTV 1080p/60 and 2k		
6.	HDMI Specification	HDMI Specification Features include Data Rates Up to 6.75 Gbps,Deep Color up to 12-bit ,3D,Lip Sync,and HD lossless Audio Formats		
7.	Control Port	RS-232		

H. HDMI Audio De-Embedder

	Brand			
	Model			
Sl. No	Description	Required Specification	Please specify compliance (Yes/No)	Remarks
1.	Audio extraction type	Extracts the audio from the HDMI signal and provides outputs for analog stereo and digital S/PDIF audio. It should also de-embeds audio with or without HDMI output connected		
2.	HDMI specification features	Supported data rates up to 6.75 Gbps and Deep Color up to 12-bit		
3.	Input	HDMI connector		
4.	Outputs	HDMI connector, balanced/unbalanced analog audio on 5-pole captive screw connector, S/PDIF digital audio on coaxial RCA connector		
5.	USB control ports	1 front panel female mini USB B		
6.	Resolution range	Up to 1920x1200 or 1080p @ 60 Hz, 12-bit color		
7.	Formats	RGB and YCbCr digital video		
8.	Audio Support	Support analog stereo, PCM audio, or Dolby or DTS multi-channel surround sound in systems without HDMI.		
9.	Input cable equalization	Automatic		
10.	Mounting Type	Rack Mountable		
11.	Visual indication of system	LEDs indicator for the presence of HDMI input / output and audio output signals, HDCP authentication, and the de-embedded audio format		
12.	EDID communication between connected devices	Automatic		

I. Mounting Kit For Rack Mountable Equipment

	Brand			
	Model			
Sl. No	Description	Required Specification	Please specify compliance (Yes/No)	Remarks
1.	Mounting Type	Mount for Installing Rack mountable equipment under a table, desk, or other flat surface & should be suitable for the Scaler		
2.	Rack Width	1U, 1/2 Rack Width		

J. HDMI Patch Cable-Type 1

	Brand			
	Model			
Sl. No	Description	Required Specification	Please specify compliance (Yes/No)	Remarks
1.	Cable Type	3ft Ultra-flexible, low bend radius 36 AWG copper wire construction HDMI cables with gold plated contacts		
2.	Supported resolutions	1080p/60 verified		
3.	Required features	Supports signals up to 1920x1200 @ 60 Hz and 1080p/60 Data rates to 10.2 GBPS Refresh rates to 120Hz Color depth to 48 bits - 16 bits per Color		

K. HDMI Patch Cable-Type 2

	Brand			
	Model			
Sl. No	Description	Required Specification	Please specify compliance	Remarks

			(Yes/No)	
1.	Cable Type	6ft Ultra-flexible, 30AWG copper wire construction HDMI cables with gold plated contacts		
2.	Supported resolutions	1080p/60 verified		
3.	Required features	Supports signals up to 1920x1200 @ 60 Hz and 1080p/60 Data rates to 10.2 GBPS Refresh rates to 120Hz Color depth to 48 bits - 16 bits per Color		

L. HDMI Patch Cable-Type 3

	Brand			
	Model			
Sl. No	Description	Required Specification	Please specify compliance (Yes/No)	Remarks
1.	Cable Type	9ft Ultra-flexible, 30AWG copper wire construction HDMI cables with gold plated contacts		
2.	Supported resolutions	1080p/60 verified		
3.	Required features	Supports signals up to 1920x1200 @ 60 Hz and 1080p/60 Data rates to 10.2 GBPS Refresh rates to 120Hz Color depth to 48 bits - 16 bits per Color		

M. HDMI Patch Cable-Type 4

	Brand			
	Model			

Sl. No	Description	Required Specification	Please specify compliance (Yes/No)	Remarks
1.	Cable Type	25 feet Standard Speed HDMI Cables, 24 AWG Construction with Gold Plated contacts		
2.	Supported resolutions	1080p/60 verified		
3.	Required features	Supports signals up to 1920x1200 @ 60 Hz and 1080p/60 Data rates to 10.2 GBPS Refresh rates to 120Hz Color depth to 48 bits - 16 bits per Color		

N. VGA Patch Cable-Type 1

	Brand			
	Model			
Sl. No	Description	Required Specification	Please specify compliance (Yes/No)	Remarks
1.	Type	3feet 15-pin HD Micro High Resolution Thin,flexible Male to Male VGA Cable with low profile VGA Connectors and 3.5mm connectors for audio. The cable shall allow transmission of computer-video, audio, and ID bit signals.		
2.	Protection	VGA shell grounded for ESD electrostatic discharge protection & Injection mold with overall foil shield for improved electromagnetic interference isolation		
3.	Cable Rating	AWM 20276 Rated		

O. VGA Patch Cable-Type 2

	Brand			
	Model			
Sl. No	Description	Required Specification	Please specify compliance (Yes/No)	Remarks
1.	Type	6ft 15-Pin HD and 3.5 mm stereo Audio Mini High Resolution Male to Male VGA Cables. The cable shall allow transmission of computer-video, audio, and ID bit signals.		
2.	Connectors	Shall be terminated With High quality VGA male Connectors and 3.5mm Connectors.		
3.	Protection	VGA shell grounded for ESD electrostatic discharge protection & Injection mold with overall foil shield for improved electromagnetic interference isolation		
4.	Cable Rating	NEC CM Rated		

P. HDMI DVI patch cable

	Brand			
	Model			
Sl. No	Description	Required Specification	Please specify compliance (Yes/No)	Remarks
1.	Cable Type	6ft 28 AWG copper wire construction HDMI to DVI-D cables with gold plated contacts		
2.	Supported resolutions	1080p/60 verified		
3.	Required features	Supports signals up to 1920x1200 @ 60 Hz and 1080p/60		

		Data rates to 4.95 Gbps Refresh rates to 60 Hz Color depth to 24 bits - 8 bits per color		
4.	Cable Rating	NEC CL2 rated		

Q. Stereo Audio Cable

	Brand			
	Model			
Sl. No	Description	Required Specification	Please specify compliance (Yes/No)	Remarks
1	Type	High Quality Stereo Audio Cable		

R. Cables and Connectors

S. Installation & Commissioning Charges

Commercial Bid

Sl. No	Item	Make	Model	Qty	Unit rate	Unit Tax amount	Total All inclusive
A.	LED DISPLAY			1			
B.	Wall Mount Kit For the above Display			1			
C.	Video Conferencing equipment			1			
D.	Partner Assurance Maintenance Services (1-year)			1			
E.	Architectural adaptor plate with HDMI and VGA			1			
F.	Video Scaler			1			
G.	HDMI Distribution amplifier			1			
H.	HDMI Audio De-Embedder			1			
I.	1U, 1/2 Rack Width Low-Profile Mount Kit			1			
J.	HDMI Patch Cable- 3'			1			
K.	HDMI Patch Cable- 6'			2			
L.	HDMI Patch Cable-9'			2			
M.	HDMI Patch Cable- 25'			1			
N.	VGA Patch Cable-Type 1			1			
O.	VGA Patch Cable-Type 2			1			
P.	HDMI DVI patch cable			1			
Q.	Stereo Audio cable			1			
R.	Camera Shelf			1			
S.	Cables and Connectors			Lot			
T.	Installation, Commissioning and Contingency Charges	Integrator	Job	1			
U.	Total All Inclusive						

The 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/PAN/VAT/ST Registration No.
6. This Organization is eligible for Central Excise Duty exemption in terms of Govt. Notification No. 10/97 Central Excise dated 01.03.1997.
7. 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.
8. Tender should clearly indicate the point of supply such as Ex-works /FOR dispatch station/FOR destination.
9. EARNEST MONEY @ 3% of the total quoted amount, must be deposited by demand draft drawn in favour of "ICAR Unit, CPCRI,(RS) Kayamkulam" payable on SBT, Kayamkulam. Remittance of EMD in any other mode not acceptable.
10. TRANSIST 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
11. The buyer shall have the right to levy liquidated damages at a percentage not exceeding 10% per each month or part thereof in respect of supplies so delayed and delivered
12. Guarantee offered for the item(s) should be indicated from the date of receipt of item(s)
13. **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.**
14. **Tender received after the due date and without EMD and tender cost will not be entertained.**
15. The item(s) ordered should be supplied in a lot. Part supply will not be accepted
16. The right to accept or reject the tender rests with the Head, CPCRI, (RS) Kayamkulam.
17. The successful bidder receiving the contract order should furnish a performance security for an amount of 10% 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.
18. 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 is 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 22.12.2014.**