



TENDER FOR

**“SITC OF VIDEO CONFERENCING SYSTEM FOR CONFERENCE
HALL AT FIRST FLOOR OF MAIN INSTITUTE BUILDING AT
HARISH-CHANDRA RESEARCH INSTITUTE, CHHATNAG
ROAD, JHUNSI, ALLAHABAD -211 019”**

PART- 1 (TECHNICAL BID)

TENDER NOTICE NO. HRI/16/2016

Harish-Chandra Research Institute

Chhatnag Road, Jhunsi, Allahabad

INVITING TENDER FOR

“SITC OF VIDEO CONFERENCING SYSTEM FOR CONFERENCE HALL AT FIRST FLOOR OF MAIN INSTITUTE BUILDING AT HRI, ALLAHABAD

Bid Reference No. : NIT – HRI/16/2016

Last date and time for submission of bids : 20.01.2017 up-to 1500 Hrs.

Date and time of opening of Bid : 20.01.2017 up-to 1530 Hrs.

Place of Opening of Bids : Harish-Chandra Research Institute
Chhatnag Road, Jhunsi, Allahabad-
211019

The dates for submission and opening of the tender mentioned above are final. In case some other dates for these are mentioned elsewhere in the tender document, the above shall prevail over them.

Address for any clarification/communication : Mr. Ajay Srivastava SO(SB),
0532-2274333,
ajay@hri.res.in),
Mr. Manish Sharma SO-D,
0532-227 4358,
manish@hri.res.in)
ENGINEERING SECTION,
HARISH-CHANDRA RESEARCH
INSTITUTE, ALLAHABAD

This document contains : 16 Pages

It will be the responsibility of the bidders to check website ***www.hri.res.in*** for any amendment through corrigendum in the tender document. In case of any amendment, bidders will have to incorporate the amendments in their bid accordingly.

Sd/-
Seal & Signature of Registrar

Harish-Chandra Research Institute
Chhatnag Road, Jhunsi, Allahabad

Name of work: “SITC of Video Conferencing system for Conference hall at first floor of Main Institute building” at Harish-Chandra Research Institute, Allahabad

Tender Notice No.: HRI/16/2016

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Harish-Chandra Research Institute

Chhatnag Road, Jhunsi, Allahabad

Check list

<i>Sl. No.</i>	<i>Description</i>	<i>Party has to specify whether they have submitted the relevant details with their technical bid in YES or NO</i>
1.	Latest solvency certificate(Ref. point no. 6a of terms & conditions)	
2.	Proof of average annual turnover(Ref. point no. 6b of terms & conditions)	
3.	Experience of having successfully completed works(Ref. point no. 6c of terms & conditions)	
4.	Attested copy of PAN, TIN & Service Tax registration(Ref. point no. 6e of terms & conditions)	
5.	Earnest Money Deposit of Rs. 8900/-(Ref. point no. 11 of terms & conditions)	

Signature of the tenderer
Address & Seal

SECTION - I

NOTICE INVITING TENDERS

HARISH-CHANDRA RESEARCH INSTITUTE

CHHATNAG, ROAD, JHUNSI, ALLAHABAD – 211 019

TENDER NOTICE NO. HRI/16/2016

On behalf of the Director, Harish-Chandra Research Institute, sealed tenders are invited (**in Two bids**) from eligible contractors up to **3.00 p.m.** on **20.01.2017** and only technical bid shall be opened at **3.30 p.m.** on the same day for the work of **“SITC of Video Conferencing system for Conference hall at first floor of Main Institute building”** at Harish-Chandra Research Institute, Allahabad.

Estimated Cost	EMD	Performance Security	Security Deposit	Time of Completion	Tender Cost
Rs 4.45 lakh	Rs. 8,900/-	@ 5% of tendered amount	@ 5% of tendered amount	02 Months	Rs. 520/-

Interested parties may collect the Tender documents from the Accounts Officer, HRI on recommendation of Engineer, HRI on payment of tender cost (non Refundable) in cash from **21.12.2016** to **19.01.2017** during working days (11.00 a.m. to 4.00 p.m.).

The party may also download the tender document from HRI web-site address: <http://www.hri.res.in>. In that case they have to submit a Demand draft of the tender cost alongwith the technical bid of the tender.

Director, HRI reserves the right to accept or reject any or all the Tenders without assigning any reason.

Sd/-
Registrar
HRI, Allahabad.

SECTION - II

TERMS & CONDITIONS

***“SITC of Video Conferencing system for Conference hall at first floor of Main Institute building” at
Harish-Chandra Research Institute, Allahabad***

TERMS & CONDITIONS

Following instructions should be strictly followed while submitting your tender.

1. Your offer should valid for a period of **120 days** from the date of opening of technical bid.
2. **Price quoted by you should be Net (Inclusive all the Taxes) & remain firm throughout the period of contract.**
3. Please note that your tender will not be considered unless it is received in sealed envelope super scribed with tender number and due date. It should be put in the Tender Box kept at Reception of Institute building, Harish-Chandra Research Institute at Chhatnag Road, Jhansi, Allahabad – 211 019.
4. Deadline for receipt of tenders (Part-1 & Part-2) is **3.00 p.m.** on or before **20.01.2017**. Late submission will not be entertained on any account. Part-1 (Technical bid) and part-2 (Price bid) will be in two separate envelop.
5. The Part-I of tender will be opened at the above office at **3.30 p.m.** on **20.01.2017** and your authorised representatives can be present at the time when the tenders are so opened and opening time of Part-2 (Price Bid) will be intimated later on to qualified bidder of Part-1 only.
6. Tenderer has to submit the following with the technical bid.
 - a. Latest solvency certificate of minimum Rs. 1.8 lakhs from any scheduled bank.
 - b. Proof of average annual turnover of not less than Rs. 4.5 lakhs during last three years ending 31.03.2016
 - (i) Year 20013-2014
 - (ii) Year 2014-2015
 - (iii) Year 2015-2016
 - c. Experience of having successfully completed works during last seven years ending 30.11.2016. The party has to submit work order copy, Performance and completion certificate of the concerned work:
 - 3 similar works completed costing not less than Rs. 1.8 lakh each OR
 - 2 similar works completed costing not less than Rs. 2.7 lakh each OR
 - 1 similar works completed costing not less than Rs. 3.6 lakhSimilar work shall mean: Video conference work. The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to last date of receipt of application for tenders.

and

One completed similar work (either part of (d) or a separate one) costing not less than Rs. 1.8 lakh with some Central/State Government Organization/Central Autonomous Body/Central Public Sector undertaking during last seven years ending 30.11.2016.
 - d. Full address of firm along with /Telephone no./Fax no./E-mail address :
 - e. Attested copy of PAN, TIN & Service Tax registrationTenderer should not that without experience of work as required above and service tax registration their tender will not be considered for technical evaluation.
7. Tender containing erasures or alterations will not be considered.
8. The tender must be signed by the authorized persons only (Proprietor/Power of attorney/By all partners etc. as applicable).

9. The completion period of work is 02 month and will be considered from 7 days of issue of work order.
10. **In case the contractor leaves the work or shows unwillingness to do work within stipulated contract period then EMD, Performance security & Security money deposited by party will be forfeited to HRI.**
11. A deposit at call Receipt or Demand Draft/FDR of scheduled Bank guaranteed by the Reserve Bank of India for the **Earnest Money Deposit of Rs. 8,900/-** in favour of Registrar, HRI, Allahabad is to be enclosed with the Tender Document (part-1) at the time of submission. No exemption in earnest money shall be given. All tenders submitted without requisite amount of earnest money shall be rejected.
12. An amount equal to 5% of tendered value towards Security Deposit shall be recovered. This amount will be recovered @ 10% from your each bill till the amount deducted is equal to concerned security deposit amount. The security money will be returned after 12 months from the date of completion of work and submission of certificate by contractor that there is no statutory liability (taxes etc.) due on him for this work. In addition the contractor shall be required to deposit an amount equal to 5% of the tendered value of the contract as performance security within the period prescribed for commencement of the work in the letter of award issued to contractor and will be released alongwith the final bill.
13. The time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor. The work shall throughout the stipulated period of the contract be proceeded with all due diligence. For delay in work, the contractor shall pay a compensation an amount equal to 0.25 percent of the order value per week from the end of stipulated period or (extended the period if any) of contract till the actual completion of work. The penalty so impose should not be more than 10% value of order. If it is found that party is not taking interest during delay period for completing the work then competent authority of Institute may also take decision for terminating the order/contract of concerned work. In this case, their Performance security and any other Security money may also be forfeited.
14. **Payment terms:** Payment will be made as per following:
 - a) 75% against the imperishable material received at site, valued at item rates given in 'Schedule of Quantities' attached.
 - b) Remaining after completion of work duly certified by the competent authority on submission of final bill subject to deductions on account of taxes, security deposits etc.
15. The financial bid will be opened only of the qualified bidder under technical bids. The selection criteria under financial bid will be based on lowest total quoted amount of the party. However Director, HRI may change this clause on special condition with justified reason.
16. **In case any discrepancy between terms & conditions and General condition of tender then terms & condition of tender shall take precedence.**
17. Don't detach any paper from the tender document and put the signature at all the papers of the tender document.
18. For any information/clarification in this tender, you may contact Engineering Section, HARISH-CHANDRA RESEARCH INSTITUTE, during office hrs. (9.00 a.m. to 5.30 p.m.) on any working days.
19. Decision of the Director of the Institute will be final & binding for all concerned.

20. Director, Harish-Chandra Research Institute reserves the right to reject any or all tenders without assigning any reason whatsoever. Harish-Chandra Research Institute would not be under any obligation to give any clarifications to those contractors whose tenders have been rejected.
21. All disputes will be subject to Allahabad jurisdiction.

Note: The contractor acknowledge that he has satisfied himself as to the nature and location of the work before submitting the tender.

DECLARATION BY THE CONTRACTOR

It is hereby declared that I/We the undersigned, have read and examined all the terms and conditions etc. of the tender document for which I/We have signed and submitted the tender under proper lawful Power of Attorney. It is also certified that all the terms and conditions of the tender document are fully acceptable to me/us and I/We will abide by the conditions from serial no. 1 to 21. This is also certified that I/We/our principal manufacturing firms have no objection in signing the contract if the opportunity for the items against this tender is given to me/us.

Date:

Signature:

Address:

Name:

Designation:

On behalf of company Seal:

SECTION - III

Specification of Full HD Video Conferencing system

Specification of Full HD Video Conferencing system for room

Video Endpoint Should Include:

1. Full HD 1080p 60fps camera, codec, microphone, cables and remote control
2. All components of video conferencing equipment i.e. Codec, Camera, Microphone, Remote control should be from same OEM.
3. All the offered room based endpoints system should be on non-windows based operating system.
4. The offered VC endpoints should have native interoperability with existing Video conferencing End points.

Following Video standards and Protocols should be supported:

1. H.261, H.263, H.264, H.264 SVC, H264 High profile.
2. H.239 and BFCP
3. H.263 & H.264 Video error concealment

Video input:

1. It should have 1 x Full HD camera, HDMI and VGA input additionally for content sharing.

Video out:

1. It should have at least 2 x HDMI port to connect display.

Following people Video Resolution should be supported:

1. Input: up to 1080p, 60 fps maximum.
2. Output: WUXGA (1921 x 1200), HD (1920 x 1080), WSXGA+ (1680 x 1050), SXGA+ (1400 x 1050), SXGA (1280 X 1024), HD (1280 X 720), XGA (1024 X 768), VGA (640 x 480).
3. Should be possible to do Content Sharing during a VC call either of H.239/BFCP. The system should support VGA/HDMI ports for achieving the same.

Multiparty Support:

1. The system should support Internal Multipoint licence for at least 6 sites (HDCP) via software upgrade.

Following Camera specification should be met:

1. Full HD 1080p60
2. Minimum 12x zoom or better
3. Field of View 65o
4. +15o/-25o Tilt, +/-90o Pan

Following Audio Input ports should be available on the codec:

1. It should support total of 2 microphones.
2. It should have minimum 2 x HD Input.

Following Audio Output ports should be available on the codec:

1. It should have at least 2 x HDMI port
2. It should have at least 1 x 3.5 mm Stereo line-out port

Other Interfaces:

1. It should have at least 1 x RS-232 port

Following Audio Standards and protocols should be met:

1. G.722.1 annex C, 7 kHz band width with G.722, G.722.1, 3.4 kHz bandwidth with G.711, G.728, G.729A or Equivalent or better.
2. It should support automatic gain control.
3. It should support Automatic noise suppression.
4. It should have audio error concealment.
5. It should support Packet Loss Recovery mechanism or equivalent technology.
6. It should support surround Stereo technology.

Following other supported standards should be supported:

1. H.224/H.281, H.323 Annex Q, H.225, H.245, H.241, H.239, H.243, H.460
2. It should also support BFCP (RFC 4582)

Following Network parameters should be supported:

1. It should have at least 1 x 10/100/1000 Ethernet
2. It should support H.323 and/or SIP up to 6 Mbps
3. It should support reconfigurable MTU size
4. It should support RS232 with API for 3rd party integrations
5. It should support Microsoft Lync if required in future

Following security specification should be supported:

1. Authenticated access to admin menus, web interface and telnet API.
2. It should be possible to integrate a conference phone.

Following Electrical specification should be met:

1. Auto sensing power supply

Following Environmental specification should be met:

1. Operating temperature: 0 – 40o C
2. Operating humidity: 15 – 80%

OEM: Polycom/Revision

In addition:

1. Installation to be made compatible & functional with an existing Audio-Video system based on Polycom on the same network.
2. Entire Video conferencing system should be warranty for one year from the date of final commissioning.
3. Its suppliers/contractor responsibility to integrate the video conferencing system with the existing projector by using HDMI to VGA converter up to the user satisfaction.

Party should fill-up the information as required below and submit it with their technical bid.

Make & Model of Video conferencing system quoted by party	Concurrence of party in (YES/NO) for matching specification of their quoted product as per our specification mentioned on page no. 11 -12 as above should be specifically mentioned in this column.	In case of any deviation of quoted product of party with our specification, they should specifically highlight it in this column.

Signature of Tenderer
Address & Seal

PART -2

SCHEDULE OF QUANTITIES

Name of work: “SITC of Video Conferencing system for Conference hall at first floor of Main Institute building” at HRI, Allahabad.

SCHEDULE OF QUANTITIES

Sl. No.	Item	Qty.	Unit	Rate (including all taxes and other charges) in words & figures	Total Amount
A	B	C	D	E	F = (C x E)
1.0	Supply, Installation, Testing & Commissioning of full HD Audio/Video conferencing system following as under:				
1.1	Full HD, 1080p Video conferencing system with dual HD Eagle camera, 500 HD codec, microphone, cable, remote control etc., Power & group series multi point License 6 way HD continuous presence. Specification: Separate sheet enclosed(Annex.-1)	1	Set		
1.2	HDMI to VGA converter. This converter should be compatible with existing projector to new video conferencing system.	1	Set		
1.3	Speaker system Black OBO8P active 2 way built in amplifier, 30 watt, woofer & tweeter, LED indicator with ABS cabinet and with all wires and jacks.	2	Nos.		
2.0	Buyback of old Video Conferencing units with eagle eye camera but without Monitor sets (Polycom HDX 8002 VC System)	1	Set		
Total					

Note: The bid will be decided based on overall lowest quote of party inconsideration of their buyback value of under item no. 02 as above.

(Total amount in words Rupees: -----)

Signature of Tenderer
Address & Seal