

Government of India  
Ministry of Housing and Urban Poverty Alleviation  
National Buildings Organisation

**TENDER NOTICE NO. D-14011/2/2007-Admn. (NBO) dated 28.1.2008**

**TENDER DOCUMENT NO. D-14011/2/2007-Admn. (NBO) / 2007-08 dated  
28.1.2008**

Sealed Tenders are invited in Two bid system (Technical Bid & Financial Bid) from reputed manufacturers or their authorized dealers only on prescribed form at Annexure-II-A & II-B.

**Note: The Financial Bids will be opened only of those Bidders whose Technical Bids will be found eligible.**

• **DESCRIPTION: AUDIO-VIDEO CONFERENCING SYSTEM**

1. **SCHEDULE OF OFFER:** Sealed quotations are invited for the supply of materials as indicated in the attached schedule.
2. **DUE DATE:** Due date for submission of offer is 08.02.2008 up to 4.00 PM and Technical Bid will be opened on the same date at 5.00 P.M. The Financial Bids will be opened only of those Bidders whose Technical Bids are found eligible. Offers received after due date and time of submission shall not be considered.
3. **OFFERS:** Quotations should be submitted in duplicate and in sealed cover addressed to DEPUTY DIRECTOR & H.O.O, NATIONAL BUILDINGS ORGANISATION, G-WING, NBO BUILDING, NIRMAN BHAWAN, NEW DELHI-110108. If tenders are submitted by hand then envelope must indicate TENDER NO. & DUE DATE OF OPENING and shall be deposited in the TENDER BOX provided for the purpose. If the tenders are sent by post, then tender must be sent in double covers INSIDE COVER should have TENDER NO. & DUE DATE OF OPENING while OUTSIDE COVER should only bear address of the purchaser without mentioning tender number & due date of opening. TELEGRAPHIC/FAXED QUOTATIONS SHALL NOT BE ACCEPTED.
4. **RATES:** Rates should be indicated both in FIGURES & WORDS including all charges like all taxes, installation, freights etc. The rates quoted must be firm till delivery.
5. **VALIDITY:** Prices quoted must remain firm and offer should remain open for acceptance for 90 days from the date of opening.

6. **PAYMENT:** Within 30 days after receipt and acceptance of materials at NBO.
7. **ERASING, OVER-WRITING AND CORRECTIONS:** Erasing over-writing and corrections should be authenticated by the tenderer's signature. In case this has not been done such offer is likely to be rejected. **HAND WRITTEN QUOTATIONS WILL NOT BE ACCEPTED.** All tender document & enclosure to be signed & stamped.
8. **DELIVERY SCHEDULE:** WITHIN 30 DAYS FROM THE DATE OF ISSUE OF PURCHASE ORDER.
9. **LATE DELIVERY:** In case supplies are made after expiry of the delivery schedule then NBO reserves the right to recover liquidated damage charges @ 0.5% per week. However, if the supplies are not effected within a period of 30 days from the scheduled date, the purchase will be made as per the condition laid in para 12.
10. **RISK PURCHASE:** In case of failure to supply within the stipulated delivery schedule, as per para 12, NBO reserves the right to undertake risk purchase at the cost of DEFAULTER. Any additional expenditure so incurred in undertaking risk purchase shall be recovered from the Defaulter. In this context, we also reserve our right to cancel part of the order and undertake risk purchase for this cancelled quantity depending on our need.
11. **EARNEST MONEY DEPOSIT:** TENDERERS ARE REQUIRED TO DEPOSIT **RS. 40000.00 TOWARDS EMD IN THE FORM OF D/D IN FAVOUR OF "PAO (Sectt), UEPA"** payable at New Delhi along with offer (Technical Bid) otherwise offer will be liable for rejection. If case of STATE / CENTRAL GOVT. ORGANISATION / PSU & VALID DGS&D / NSIC registered (for the tendered items) firms, they may submit documentary evidence issued by Govt. authorities for according exemption towards submission of EMD / Security Deposit. Xerox copy of such valid registration certificate along with technical bid is to be submitted for exemption of EMD / SD.
12. **SECURITY DEPOSIT:** The successful tenderer shall be required to submit security deposit amounting to 10% of the order value before release of the order, the firms registered with NSIC / DGS&D / STATE & CENTRAL GOVT.ORGANISATION / PSU are exempted from the payment of security deposit. For which valid documents are to be submitted along with the offers. In case of failure to execute the order in full or part thereof, we reserve our right to forfeit the security deposit.

13. **SALE TAX CLEARANCE CERTIFICATE:** A copy of latest sales tax clearance certificate duly self-attested should be submitted along with offer.
14. **BANK CHARGES:** Bank charges, if any, shall be borne by the successful tenderer.
15. **DELIVERY & INSTALLATION:** The material should be properly delivered in conformity with the specification and properly installed to the satisfaction of the concerned authority.
16. **LATE OFFER:** Any offer received after due date of opening and time are not acceptable.
17. **TENDER DOCUMENTS:** Tender documents are not transferable.
18. **ATTENDING TENDER OPENING:** The representative of the tenderer who wishes to attend to the tender opening is allowed to do so subject to presenting authorization letter from the tenderer.
19. If there is any complaint against the firm/bidder in any office/Ministry in Government of India regarding non-supply or poor supply and non replacement to the satisfaction of purchaser comes to our knowledge, your offer will be rejected.
20. **PROVEN SUPPLIER:** Please enclose supply order copies received by you from any Office/Ministry in Government of India for at least 20% quantity for any of last 3 (three) years for proof of proven vendor. It will be considered as an added advantage of the supplier.
21. **GUARANTEE / WARRANTY:** The materials should carry Guarantee / Warranty for 12 months from the date of supply on all products.
22. **Bidder should submit an authorization for all the items from manufacturer in original along with technical bid in the name of Director, NBO, Ministry of Housing and Urban Poverty Alleviation, Nirman Bhavan, New Delhi-110108.**
23. **Bidder should be manufacturer or authorized by manufacturer, along with an undertaking for providing back to back service, directly or through bidder for next 7 years.**
24. **Comparative Statement clause by clause, along with deviation, wherever applicable should be submitted in the Technical Bid.**

25. **The quantity of the items as mentioned in Annexure-I may vary by 10% to 15%.**

NBO RESERVES THE RIGHT TO ACCEPT OR REJECT ANY OR ALL OFFERS OR PART THEREOF OR TO SPLIT THE ORDER OR ALTER THE QUANTITY WITHOUT ASSIGNING ANY REASON WHATSOEVER.

REQUIREMENT OF AUDIO-VIDEO CONFERENCING SYSTEM: ITEMWISE DETAILS AS PER ANNEXURE-I

**SPECIAL NOTE:**

1. Any ambiguity in the offer may lead to disqualification.
2. Conditional offer shall be summarily rejected.

**(P.Pulamte)**  
**Section Officer (Admn.)**  
**National Buildings Organisation**  
**Ministry of Housing and Urban Poverty Alleviation**  
**G-Wing, NBO Building, Nirman Bhawan**  
**New Delhi-110108**  
**Phone: 011-23061940**

**ANNEXURE-I**

<b>S. No.</b>	<b>Item Description</b>	<b>Quantity</b>
<b>1</b>	<b>AUDIO CONFERENCING SYSTEM</b>	
<b>1(a)</b>	<p><b>Fully Digital System main unit (Central Control Unit)</b></p> <p>Transmitting up to 64CH high quality digital audio signals on a dedicated 6P cable (general cat. 5 cable substitutable). Support up to 64 language channels' (incl. the original floor channel) simultaneous interpretation. Cooperated with channel selector or/and infrared language distribution system, system can accommodate more audience to join in the conference. Graphic LCD with back-lighting can display various information, supporting Simplified/Traditional English menu. Multiple audio in/out interfaces:</p> <ul style="list-style-type: none"><li>➤ Two symmetrical RCA output interfaces, making long range transmission with low noise</li><li>➤ A record input/output port</li><li>➤ A balanced line-in interface</li><li>➤ Emergency signal interface: for connection to public emergency system, when the system is on, pause the conference automatically and send alarm signals to conference units.</li><li>➤ Special MIC recording interface: 6 independent MIC outputs, cooperating with professional digital video recorder for conference system, can carry out synchronous recording of up to 6 microphones respectively</li></ul> <p>6xoutlet (6P-DIN) trunk-line cable outlets, each outlet can accommodate 30 PCF, thus each main unit can accommodate 180 PCF at most. Predefined by PC, system can implement automatic video tracking when cooperated with cameras, video switch unit.</p> <p>In stand-alone mode, CMU can be used as a basic conference system, with the following facilities:</p> <ul style="list-style-type: none"><li>➤ "ACTIVE MICROS", set the number of delegates permitted to speak at the same time</li><li>➤ "OPEN" mode, microphone key with request-to-speak registration(AUTO)</li><li>➤ "OVERRIDE" mode, microphone key control with override of the active microphones (FIFO)</li><li>➤ "VOICE " mode, voice-activated microphones with selectable threshold</li><li>➤ "APPLY" mode, Speak request under chairman's control</li></ul>	<b>01</b>

	<ul style="list-style-type: none"> <li>➤ "DAIS" mode, chairman unit with control facility is always active in this mode</li> <li>➤ Parliamentary voting(YES/NO/ABSTAIN)</li> </ul> <p>Simultaneous interpretation  Frequency Response: 40Hz – 16kHz  S/N Ratio : &gt;96dBA  THD : &lt;0.05%  Cross to Talk : &gt;85dB</p>	
<b>1(b)</b>	<p><b>Fully Digital System Chairman's Unit</b></p> <p>Table-top, Automatic recovery facility, supporting "PnP"(plug and play), Uni-directional electret's condenser microphone with an illuminated red ring, Microphone stem can be unplugged during adjournment, easy to maintain, Hi-Fi loudspeaker with minimal acoustic feed back, automatically mute when microphone is active. Mono jack for headphone with adjustable volume, Built-in channel selector with up/down channel select keys and 2-digit channel display. Microphone On/Off button, 5 voting keys.</p> <p>Built-in IC-card reader for IC-card sign-in, Key-press sign-in available  Built-in intercom facility, Automatic video tracking, when cooperated with camera and video switch unit.</p> <p>Chairman unit should have following conference control facilities besides delegate functions</p> <ul style="list-style-type: none"> <li>➤ Activated at any time</li> <li>➤ Priority key can switch off or mute the speaking units according to preset</li> <li>➤ Deny all delegates' speaking request</li> <li>➤ Launch parliamentary voting(YES/NO/ABSTAIN) session without PC</li> <li>➤ Voting start or stop control</li> </ul> <p>Microphone Frequency Response: 80Hz – 18kHz  S/N Ratio : &gt;96dBA  THD : &lt;0.05%  Max. SPL : 125dB (THD&lt;3%)  Cross to Talk : &gt;85dB</p> <p>In stand-alone mode, CMU can be used as a basic conference system, with the facilities mentioned at Sl. No.1 (a).</p>	<b>01</b>
<b>1(c).</b>	<p><b>Fully Digital System Delegate Unit</b></p> <p>Table-top, Automatic recovery facility, supporting "PnP"(plug and play) Uni-directional electret's condenser microphone with an illuminated red ring, Microphone stem can be unplugged during adjournment, easy to maintain Hi-Fi loudspeaker with minimal acoustic feed back, automatically mute when microphone is active, Microphone On/Off</p>	<b>15</b>

	<p>button, Built-in intercom facility, Automatic video tracking, when cooperated with camera and video switch unit</p> <p>Microphone Frequency Response: 80Hz – 18kHz</p> <p>S/N Ratio : &gt;96dBA</p> <p>THD : &lt;0.05%</p> <p>Max. SPL : 125dB (THD&lt;3%)</p> <p>Cross to Talk : &gt;85dB</p>	
<b>1(d)</b>	<p><b>Professional Digital Audio Video Recorder with Digital Video &amp; Audio Recorder Module compatible to Audio Conferencing System</b></p> <p>Cooperated with Professional Digital Video &amp; Audio Recorder Module for conference system, synchronously records the video &amp; audio information of the Conference, Automatically record the process of the speaking delegate and the panorama of venue, Synchronous 8 channels video &amp; audio recording, Index and sort facility of Video &amp; audio recorded file (by conference name, speaker, begin time, and end time, etc.), Recorded file playback, fast play, pause/stop, and so on, General file format saving, saved file can be played with general media player.</p> <p>Synchronous saving, the file is available even when system restarts from system power-off, During AV recording, all channels can be monitored with earphones, Network monitoring facility</p> <p>Video: support PAL/NTSC standards  Audio: compressed in mp3 file format  Application software running environment: Microsoft Windows 2000 Professional</p>	<b>01</b>
<b>1(e)</b>	<p><b>Digital powered Mixer</b></p> <p>Includes digital signal sound processing functions including RGB Switcher, Video switcher, UHF Antenna, Audio Mixer, AGC, 4 Channel (90W + 90W + 50W + 50W) Channel Power Amplifier at 4 / 8 ohm along with feedback reducer RS232 control &amp; Equalizer having Integrated wireless unit slots with</p> <ol style="list-style-type: none"> <li>1. Wireless Microphone Systems (Collar) – 1 No to be supplied</li> <li>2. Wireless Microphone Systems (Handheld) – 1 No. to be supplied</li> </ol>	<b>01</b>
<b>1(f)</b>	<p><b>Wall Mount Full Range Two Way Speaker</b></p> <p>Compact, 2 way twin 3.5" woofer and 3/4" titanium-coated tweeter, 85 Hz to 20 kHz frequency range (-10 dB), 150 watts continuous program power capacity, 140 degree (H) x 100 Degree (V) coverage etc.</p>	<b>04</b>

<b>2</b>	<b>VIDEO CONFERENCING SYSTEM</b>	
<b>2(a)</b>	<p><b>Multipoint Video Conferencing System with Camera &amp; Echo cancellation microphone</b></p> <p>Up to 4 Mb/s over IP &amp; Up to 768 Kb/s over ISDN BRI/ up to 2 Mb/s PRI interface (option). High quality video using H264 standard and 4CIF resolution. Wideband Audio MPEG4 Point to Point and Multipoint call. 6 sites Multipoint IP or ISDN or mixed using transcoding and speed matching, Inbuilt Audio Visual recording to memory stick media,</p> <p>Image device 1/4/type CCD, Zoom ratio x10 Optical zoom (x40 with digital zoom), Pan angle-100° to + 100° (Max. 100°/sec), Tilt angle-25° to + 25° (Max. 125°/sec)</p>	<b>01</b>
<b>2(b)</b>	<b>MCU H.323</b>	<b>01</b>
<b>2(c)</b>	<b>MCU H.320</b>	<b>01</b>
<b>2(d)</b>	<b>ISDN Unit up to 2 Mb/s PRI interface/</b>	<b>01</b>

**(P.Pulamte)**  
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**New Delhi-110108**  
**Phone: 011-23061940**

**PRESCRIBED PERFORMA FOR TECHNICAL BID.**

With Reference to Tender Document No.....Dated.....

1. **Name of the Manufacturer/Dealer** -----
2. **Item-wise Details as per requirement mentioned at Annexure-I:**

Sr. No.	Name of the Item	Detailed Specifications including make etc.	Quantity

3. **PERIOD OF VALIDITY OF OFFER PRICE** (in days):
4. **DELIVERY SCHEDULE:**
5. **EARNEST MONEY DEPOSIT:** Draft Number:  
Date of Issue:  
Name of the Bank:
6. **SALE TAX CLEARANCE CERTIFICATE:** A copy of latest sales tax clearance certificate duly self-attested should be submitted along with offer.
7. **PROVEN SUPPLIER:** Enclose duly self-attested copies of supply order received from any Office/Ministry in Government of India for at least 20% quantity for any of last 3 (three) years.

**ANNEXURE: II-B**

**PRESCRIBED PERFORMA FOR FINANCIAL BID.**

With Reference to Tender Document No.....Dated.....

1. Name of the Manufacturer/Dealer -----

2. Item-wise Details as per requirement mentioned at Annexure-I:

Sr. No.	Name of the Item	Detailed Specifications including make	Quantity	Rates per unit (Rs) (including all taxes, installation etc.)	Amount (Rs.)

Total -----

**(Rates should be indicated both in FIGURES & WORDS)**

I agree to the terms and conditions as mentioned in the tender document no. .... Dated..... issued by the National Buildings Organisation, Ministry of Housing and Urban Poverty Alleviation, Government of India.

Signature.....  
Name.....  
Name of the Manufacturer.....  
Stamp.....