

No. 2/3/2009-OAS-OAS
Government of India
PRESS INFORMATION BUREAU
(Office Automation Section)

Shastri Bhawan, New Delhi

Dated: 04-02-2009

Notice Inviting Tender for
"Supply and Installation of Video Conferencing Equipments"

Sealed quotations subscribing '**Quotation for supply and Installation of Video Conferencing Equipments**' are invited from Manufacturers/ Authorized Vendors for supply and installation at Press Information Bureau, Shastri Bhawan as per the requirement/specifications indicated in Annex. 'A'. Sealed quotations may be addressed to Sh. Girish Chand, Dy. Director (Admn.), Press Information Bureau, Room No. 716, 'A' Wing, Shastri Bhawan, New Delhi and must reach him by 3.30 PM on or before 12th February, 2009. The quotations should be in two separate covers super - scribed "Technical Bid" & "Financial Bid".

Technical Bid shall contain **all technical details alongwith commercial terms and conditions and all the information/ documents mentioned below.**

Financial Bid shall contain **price for the item mentioned in Annexure "A" and Annual Maintenance Charges after expiry of warranty period.**

2. Technical bids will be opened first in presence of Technical Committee & tenderers who wish to be present at 4.00 PM on 12-02-2009. Technical Committee, after examining the Technical Bids and demonstration by the vendor will recommend the qualifying vendors whose Financial Bids will be opened. They will be informed about date and time of opening the Financial Bids.

Terms and Conditions :

1. **Prices should be all Inclusive :** The prices should be inclusive of all taxes, duties, levies, packing, transport, octroi, installation, sales tax, vat & any other charges at the delivery location. However, reduction, if any, in the statutory duties at the time of supply should be passed on to the purchaser. No Form C or D etc. shall be furnished.
2. **Delivery Period and Location :** Delivery & installation should be made at the following address within 7 calendar days of placement of Supply / Purchase order :

Press Information Bureau
'A' Wing, Shastri Bhawan
New Delhi-110001

3. **Payment :** 90% payment shall be released after installation and satisfactory performance of the equipment for one week. The balance 10% payment shall be released after satisfactory performance or on furnishing of an unconditional irrevocable performance bank guarantee for 10% value of packages valid for the warranty period.
4. **EMD :** Earnest Money Deposit (EMD) amount of Rs.5000/- in the form of DD/Bankers Cheque drawn in favour of DDO, Press Information Bureau , payable at New Delhi shall accompany the sealed quotations. **Bids not accompanied with EMD shall be summarily rejected and will be returned un-opened.**
5. **Validity Period :** The rate quoted should be valid upto **six months** from the date of opening of quotations. No increase in rates will be allowed during the validity period. Vendor should agree to accept additional purchase order within validity period of quotation at the same quoted prices & other terms and conditions in any quantity.
6. **Manufacturers/ Authorised dealers Only :** Only Manufacturers/ Authorized Dealers, vendors and resellers are qualified for participating in this tender. A certificate from the principals/manufacturers to this effect is required to be enclosed with the quotation.
7. **Warranty Period :** The supplier must provide comprehensive onsite warranty. Warranty package offered by the vendor will also be considered by the Technical Committee. Time required for attending the complaint should also be mentioned in technical bid.
8. **Entire package is required to be quoted.** Partly quoted packages are liable to be rejected.
9. **Brochures :** Latest Brochures of relevant specification must accompany the quotations. All parts, accessories, services and extra additional items for sales promotion schemes as mentioned in the brochures must be supplied without any extra charges.
10. **Proof of supplies to Govt. Deptts/ Other Organisations:** Suppliers must furnish proof of supplies made to Ministries/Deptts. of State/Central Government or any other organization indicating make, cost, date, etc. with complete address and telephone Nos.
11. **Late Quotations :** Quotations received late will not be considered and these will be returned un-opened.
12. **Right to Reject :** PIB has the right to reject any or all quotations without assigning any reason or to place purchase order on any supplier.



13. **No cutting** / overwriting is allowed in the quotations.

In the event of any dispute, decision of the Pr. Director General , PIB. shall be final and binding to all parties.

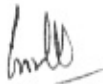


(Girish Chand)
Dy. Director(Admn.)
Tele:23384684

ANNEXURE 'A'

S.No.	Item/ Service	Price including all taxes (per unit)
1.	Supply and Installation of Set-Top Video Conferencing Equipment	
2.	Supply and Installation of Desktop Video Conferencing Equipment	
3.	Annual Maintenance after expiry of warranty.	

- **Prices should be all Inclusive :** The prices should be inclusive of all taxes, duties, levies, packing, transport, octroi, installation, sales tax, vat & any other charges at the delivery location. However, reduction, if any, in the statutory duties at the time of supply should be passed on to the purchaser. No Form C or D etc. shall be furnished.
- **Warranty Period :** The supplier must provide comprehensive onsite warranty.
- Detailed specifications attached.



Set-Top Video Conferencing Equipment- Specifications

Supported Standards	<ul style="list-style-type: none">• ITU-T H.320 ISDN, leased networks• ITU-T H.323 IP networks• IETF-SIP (RFC3261) IP networks• PPPoE• Video H.261, H.263, H.263+, H.263++, H.264, H.239, H.241• Audio G.711, G.728, G.722, G.722.1 G.722.1 Annex C, MPEG4 AAC-LD• Data T.120• LDAP H.350• MCU compatibility H.243, H.231
Transmission	<ul style="list-style-type: none">• Bit rate 56 kbps / 768 kbps over ISDN BRI (1)• 64 kbps / 2 Mbps over IP (H323/SIP)• 64 kbps / 4 Mbps over IP (H323/SIP) option <p>Asymmetric rates</p> <ul style="list-style-type: none">• 56 kbps / 2 Mbps over V.35/Leased2 <p>Simultaneous video motion coding and PC presentations from the XGA input</p>
Video	<p>Frame rate</p> <ul style="list-style-type: none">• 15 frames per second @ 56 kbps -128 kbps• 30 frames per second @ 168 kbps - 4 Mbps <p>Video resolution</p> <p>w720p 1280 x 720 pixels (receiving only)</p> <p>4CIF 704 x 576 pixels</p> <p>FCIF 352 x 288 pixels</p> <p>QCIF 176 x 144 pixels</p> <p>4CIF 704 x 576 pixels for still images (H.261 Annex D)</p> <p>4SIF 704 x 480 pixels</p> <p>SIF 352 x 240 pixels</p> <p>QSIF 176 x 120 pixels</p> <p>4SIF 704 x 480 pixels for still images (H.261 Annex D)Up to 1024 x 768 pixels over XGA in H.263</p> <p>Remote camera control H.281 (H.320 - H.323)</p>

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Audio	<p>Audio Band Bit rate</p> <ul style="list-style-type: none"> • G.711 300 to 3400 Hz 48/56/64 kbps • G.728 50 to 3400 Hz 16 kbps • G.722 50 to 7000 Hz 48/56/64 kbps • G.722.1 50 to 7000 Hz 24/32 kbps • G.722.1 Annex C 50 to 14000 Hz 24/32/48 kbps • AAC-LD 50 to 14000 Hz 48/56/64 kbps <p>Echo cancellation Full-duplex Adaptive post filtering Automatic Gain Control (AGC) Automatic Noise Suppression</p>
Audio Tracking	<p>Tracking Enhanced Voice Tracking Coverage max. 6 m, recommended 3 m Location +-60o horizontal, +-25o vertical</p>
Hi-Band Digital Microphone Pod	<p>Range 360 degrees Response 50 / 14000 Hz Microphones 3 Mute button Up to 2 pods in a daisy-chain configuration</p>
Built-in Camera	<p>Resolution 752 x 582 pixels Presets 122 presets H. angle of view 6.4 to 65.5 degrees Zoom 10.5x Min. Lux 1.5</p>
Supported Monitor	<p>Format PAL, NTSC, HighDef, Single, Dual monitor, HighDef PIP and PAP function 16:9 Dual Monitor Emulation</p>
Network Interfaces	<p>Ethernet 2-Port 10/100BASE-T full-duplex with integrated switch Ethernet - 2 RJ-45</p>
Network Protocols	<p>TELNET, HTTP, SNMP, DNS, DHCP, RTP/RTCP, TCP/UDP, ARP, STUN, SNTP</p>
Network Feature.	<p>Differentiated Service (DIFFSERV), IP Precedence, IP Type of Service (ToS), Auto Gatekeeper Discovery, Clever Packets Management (AeCPM)</p>
Firewall Traversal	<ul style="list-style-type: none"> • Auto NAT discover HTTP and STUN • H.460.18 H.460.19* "Keep Alive Packet" time configurable

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Audio/Video Interfaces	<p>Video inputs</p> <ul style="list-style-type: none"> • Main camera Integrated • Aux In Composite (RCA) • Camera S-video (Mini-DIN) • Camera S-video (Mini-DIN) • Camera Composite (RCA) • XGA In DVI-I <p>Video outputs</p> <ul style="list-style-type: none"> • Monitor 1 Composite (RCA) • S-video (Mini-DIN) Monitor • S-video (Mini-DIN) with monitor detect • Aux Out Composite (RCA) • XGA Out DVI-I <p>Audio inputs</p> <ul style="list-style-type: none"> • Connection Level Connector • 2xPod mic. 360o Dig. RJ-11 6/6 • Aux. mic. Mic Stereo jack 3.5 mm • Audio In Line RCA • Aux In Line 2 RCA (L/R) <p>Audio outputs</p> <ul style="list-style-type: none"> • Connection Level Connector • Monitor 1 Line 2 RCA (L/R) Aux Out Line 2 RCA (L/R)
HighDef (XGA)	<p>Input VGA, SVGA, XGA, WXGA, SXGA Output VGA, SVGA, XGA, WXGA, SXGA</p>
Auxiliary Interfaces	<ul style="list-style-type: none"> • Data RS232 Mini-DIN 8-pin with DB9 adapter • Diagnostics RS232 Mini-DIN 8-pin • VISCA RS232 Mini-DIN 8-pin supports Canon or Sony, aux PTZ camera • PC card 1 PCMCIA, type II for Wi-Fi card
Closed Captioning/Text Chat	T.140 text chat, available from Web
User Interface	<ul style="list-style-type: none"> • Multilingual on-screen graphic user interface • User selectable languages • Infrared remote control for full function control • Contextual help • Diagnostics and management functions • Call progress monitoring • Supports AMX or Crestron • Customizable Graphic User Interface • Web streaming function: UNICAST and MULTICAST • compatible with QuickTime(TM)

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System should be upgradable to	
1)Network Interfaces	ISDN 1/3/6 BRI with integrated channel aggregator 1/3/6 RJ-45 or 1 E1/T1 PRI with integrated channel aggregator 1 RJ-45 or Leased networks or 4Mbps over IP or X.21/V.35/RS366/RS449 44 pin Hi/Den or G.703 1 RJ-45
2)Multifunction	The system should be upgradeable to MCU H.320, H.323 and SIP mixed mode with no additional hardware upto 1+ 8 participants <ul style="list-style-type: none"> • Compatible with analog and mobile networks • Video coding H.261, H.263, H.263+, H.263++, H.264 • Audio coding G.711, G.722, G.722.1, G.728 • Chair control H.243 • Dial-In/Dial-Out capabilities • Continuous Presence • Encryption • H.239 Dual-video from any site
	Please mention the Make and Model No. of the item clearly in the quotation.



Encryption	AES encryption standard H.233, H.234, H.235 NIST (National Institute of Standards & Technology) certified																								
Web Management	All the configuration, call, diagnostics and management functions are accessible using the following web browsers: Microsoft Internet Explorer, Netscape Navigator																								
Remote Diagnostics and Management	<table border="1"> <thead> <tr> <th></th> <th>Local</th> <th>Web Browser</th> <th>SNMP</th> </tr> </thead> <tbody> <tr> <td>Self test</td> <td>Yes</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>Diagnostics</td> <td>Yes</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>Configuration</td> <td>Yes</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>Call</td> <td>Yes</td> <td>Yes</td> <td></td> </tr> <tr> <td>Error tracking</td> <td>Yes</td> <td>Yes</td> <td>Yes</td> </tr> </tbody> </table>		Local	Web Browser	SNMP	Self test	Yes	Yes	Yes	Diagnostics	Yes	Yes	Yes	Configuration	Yes	Yes	Yes	Call	Yes	Yes		Error tracking	Yes	Yes	Yes
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Configuration	Yes	Yes	Yes																						
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Error tracking	Yes	Yes	Yes																						
Integrated Presentation	Supported applications Microsoft(R) PowerPoint(R) Multimedia support T.120																								
Power Supply	100-240 Vac 50-60 Hz 1.5 A Max																								

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Desk Top Video Conferencing Equipment- Specifications

Video Standards & Protocols	<ul style="list-style-type: none">• H.261• H.263++• H.264• People + Content/ H.239• H.263 and H.264 Video Error Concealment
People Video Resolution	<ul style="list-style-type: none">• NTSC 30 fps at 56Kbps- 768 Kbps• PAL25fps at 56Kbps-768Kbps• Receive only: H.263 interlaced video (60/50 fields full-screen video for NTSC/PAL)• SIF (352 x 240), CIF (352 x 288)• QSIF (176 x 120), QCIF (176 x 144)
Content Video Resolution	<ul style="list-style-type: none">• Send SIF, CIF, 4CIF, VGA, SVGA, XGA resolutions with People +Content IP
Audio Standard and Protocol	<ul style="list-style-type: none">• Stereo Surround• 14kHz bandwidth with G.722.1 Annex C• 7kHz bandwidth with G.722, G.722.1• 3.4 kHz bandwidth with G.711, G.728, G.729A• Automatic Gain Control• Automatic Noise Suppression• Instant Adaptation Echo Cancellation• Audio Error Concealment
Other ITU- Supported Standards	<ul style="list-style-type: none">• H.323 Annex Q far- end camera control• H.224/H.281 far-end camera control• H.225, H.245, H.241• H.243 Chair control• H.460.18/ 19 NAT/ firewall traversal
Network	<ul style="list-style-type: none">• H.323 up to 768 Kbps• SIP up to 768 Kbps• IPriority for QoS
User Interface	<ul style="list-style-type: none">• COD (Path Navigator Conference on Demand)• Directory Services• System Management (Web based, SNMP, ReadManager SE200)• CDR• API support• International languages (16)
Security Specifications	<ul style="list-style-type: none">• Embedded AES FIPS 197, H.253V3• Video Overlay

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Electrical Specifications	<ul style="list-style-type: none"> • Auto sending power supply • Operating voltage/power 90-260 VAC, 47-63 Hz • Max 118 VAC, 132VA@220v50Hz • Max Heat Dissipation, 444 BTU/hour • Main, codec, monitor power switches
Environmental Specifications	<ul style="list-style-type: none"> • Operating Temperature : 0-40 C • Operating Humidity: 15-80% • Non-Operating Temperature: 40-70 C • Non-Operating Humidity (Non-condensing): 10-90% • Maximum altitude 10,000 feet
Physical Characteristics	<ul style="list-style-type: none"> • Video Base Unit (W/H/D): 17"-20"/ 18"-20"/ 7"-8" • Video Base Unit Weight: 9-10 kg
Options	<ul style="list-style-type: none"> • Cable-free content sharing with People + Content IP
	Please mention the Make and Model No. of the item clearly in the quotation.

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