E-23011/1/09-GA
Government of India
Ministry of Food Processing Industries
Panchsheel Bhawan, August Kranti Marg,
New Delhi-110049.

Dated 23.02.2010

TENDER DOCUMENT

The Ministry of Food Processing Industries invites sealed tenders in two-bid-system from the various registered vendors for SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF VIDEO CONFERENCING SYSTEM.

2. Name of Work:

Supply, Installation, Testing, Commissioning & Maintenance of the Video Conferencing System

3. Scope of Work:

The successful bidder has to supply and successfully install the Video Conferencing equipments at 2 locations in Delhi and 45 other locations across India. The final payment will be released only after providing the completion certificate issued by the different locations on successful installation & commissioning of the Video Conference System. The ISDN lines required for connecting the Video Conference Equipments will be provided by Ministry of Food Processing but the successful bidder has to coordinate with the Min of Food Processing Industries in getting the required ISDN lines for the same.

4. Eligibility Conditions:

1. The applicant should be incorporated in India for last 8 years.
2. The minimum turnover of the applicant should be 100 crores or above.
3. The company should have direct or indirect service support in all the locations and vendor should have direct offices in at least 10 locations.
4. The applicant should submit a self-attested certificate that it has not been blacklisted, debarred, declared non-performer or expelled by Union Govt/ State Govt/ PSU's during the last 5 years.

5. The applicant should fill the compliance statement and if any deviation should be highlighted.
6. The Applicant should meet the following minimum criteria for Pre-Qualification:

(i) Audited balance sheet of Annual Financial Turnover during the last three financial years i.e. 2006-2007, 2007-2008 & 2008-2009 to be submitted.
(ii) Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following:

Three *similar completed works costing not less than the amount equal to 40% of the estimated cost.

Or

Two *similar completed works costing not less than the amount equal to 50%of the estimated cost.

Or

One *similar completed work costing not less than the amount equal to 80% of the estimated cost.

* Similar works means:

Supply, Installation, Testing , Commissioning & Maintenance of Video Conferencing System.

7) Attach recent solvency certificate from Bankers.
8) Attach copy of the PAN/TAN/Service Tax registration certificate.

5. General Terms & Conditions:

The payment terms are 50 % against delivery, 40% after installation & commissioning and balance 10% after submission of performance bank guarantee.

a) The validity of the offer should be 90 days.
b) The warranty of the equipments should be 36 months.
c) The delivery period of the equipments should be 12 weeks.
d) The tender should be in two-bid system "Technical & Financial Bid" in two sealed covers. The Bids would be evaluated on the basis of combined quality & price evaluation system on 80:20 basis where in the Technical Bid would be given 80% weightage & Financial Bid 20% weightage.
e) The EMD in the form of DD of Rs. 5 lacs from any Nationalised bank should be submitted along with the technical bid. The bids without EMD will be rejected.
f) Certificate of Incorporation, PAN No., Service Tax Registration, Sales Tax/VAT, Audited Bank Sheets of last 3 financial years, Bank Solvency Certificate to be submitted along with the technical bid.
g) The technical brochures of the products quoted should be

submitted in the technical bid.

h) The tender specific authorisation from OEM should be submitted along with the technical bid.
i) The compliance statement and eligibility criteria should be filled and submitted (and deviation highlighted if any) along with the technical bid.
j) Purchase Order Copies and completion certificates of the similar works executed should be submitted in the technical bid.
k) The prices quoted in the price bid should be firm inclusive of all taxes and duties.
l) The OEM should have direct presence in India for the last 5 years.
m) All the products offered including the MCU, Endpoints, Gatekeeper, Scheduling & Management Device, etc., should be of the same make.
n) The OEM should have a direct service centre in India to provide fast resolution to any specific query of customer directly.
o) The OEM should have a Warehouse in India to provide Next Business Day Replacement if required for quick resolution of products offered.
p) The OEM should have deployed more than 1000 Endpoints in India either directly or through Partners.
q) Tender will be on two Bid Systems Technical & Financial Bid. It will be evaluated on 80:20 basis of Technical & Financial bid
r) Before filling the tender a Pre-Bid Meeting will be held with the firms.
s) The Cost of Tender document is Rs. 10,000/-.

6. **Date of submission of bids-** The bid document may be obtained from Section Officer (GA), Room No. 4, Panchsheel Bhawan, New Delhi by depositing Rs. 10,000/- (Rupees ten thousand only) in cash or in the form of DD/PO in favour of Pay & Account Officer, Ministry of Food Processing Industries, New Delhi. The tender document may also be downloaded from Ministry's website www.mofpi.nic.in. In that case the bidders are required to attach a DD/PO of Rs. 10,000 (Rupees ten thousand only) drawn in favour of Pay & Account Officers, Ministry of Food Processing Industries, New Delhi. The tender document may be obtained till 3.00 pm on 03.03.2010 & the bids should be submitted by 5.00 pm on 08.03.2010.

7. **Pre bid meeting-** A pre bid meeting of all those who purchased the bid document by 03.03.2010 will be held in conference room No. 120, Panchsheel Bhawan, New Delhi at 11.00 am dated 04.03.2010.

Sd/-
(S.L.Barodia)
Under Secretary to the Govt. of India

Conference Room Video Conferencing System Specifications

Make: Any

S No	Essential Components and Features	Compliant (Y/N)
	The unit should be supplied with separate camera, codec, remote control & accessories etc.	
1	H.320, H.323 and SIP compliant	
2	H.261, H.263 and H.264 video coding support	
3	G.728, G.722 and G.711 audio coding support	
4	Built-in Acoustic Echo canceller and Noise Reduction	
5	System should be able to support DTMF commands during SIP calls.	
6	System should be capable to do automatic Gain Control, Noise Suppression and must have Instant Adaptation Echo Cancellation with Audio Error Concealment facility	
7	System should be able to connect at speeds from 128 kbps to 2 Mbps in multiples of 128 kbps on IP. 512 kbps & 2 Mbps on ISDN	
8	System should support V.35 interface up to 2 Mbps, SIP support up to 2 Mbps	
9	To support 704 x 576 resolution with 12X optical zoom, +/- 100 deg pan range, +/-25 deg tilt range, Horizontal FOV 65 deg and 45 deg Vertical FOV in order to accept high quality video	
10	System must be equipped with Omni directional Microphone Array with mute button.	
11	The system should be capable of supporting 3 microphones to for a wider coverage of room	
12	To support conference phone integration & ability to dial video calls through the conference phone.	
13	It should be possible to integrate the equipment with automatic microphone/matrix mixer along with phone add both in a same unit.	
14	The system should have the capability of supporting ceiling microphone	
15	Should be capable of supporting 4:3 and 16:9 aspect ratios to support LCD/plasma	

16	To support and deliver High quality Live video resolution at 30fps from 56 Kbps–2Mbps along with 4CIF, SIF, 4SIF resolution
17	Should be able to support H.239 for sharing of video and graphics content during the video call with minimum resolution as CIF (352 x 288 pixels).
18	It should have hardware/software to show PC presentation, application screens, PC Content etc.
19	Should be possible to display content over LAN without physically connecting the PC/Laptop to the codec and it should also have the provision to connect PC/Laptop directly to the codec.
20	The system should support 6 way multipoint calls.
21	System must have AES encryption for IP calls.
22	System must support enhanced password encryption for meeting, room, and remote access passwords.
23	To support an infrared hand held remote control.
24	For various connectivity to audio and video device, the system should support following pair of input and output ports for integration
	Audio Input 1 input for Microphones 1x Phoenix connector, 1x RCA/Phono
	Audio Output 1xRCA, 1x RCA for DVD/VCR, 1x Phoenix connectors
	Video Input 1 x Y/C BNC, 2x S -Video, 1 x VGA
	Video Output 1 x Y/C BNC, 2X S-Video, 1xVGA
25	Should be able to record Mixed Audio output (Near-end and far-end audio) and Mixed Video output (Near-end and far-end video) to connect with a DVD Recorder (Near-end and far-end audio) and mixed Video output (Near-end and far-end video) to connect with a DVD Recorder
26	The System must be capable of supporting two Cameras controlled by single remote
27	For integration with AMX, system should have API control 2 RS -232 port should be supported along with IR receiver.
28	System should support auto sense 10/100Mbps Ethernet port (LAN) for H.323 connectivity
29	The video conferencing system shall have the ability to support calls made from an ordinary telephone

	system (PSTN) through a dedicated POTS port
30	System should support E.164 dialling using H.323 Gatekeeper
31	Support for working behind Network Address Translation (NAT) with a capability to automatically detect being behind NAT in IP networks
32	The capability to define TCP and UDP ports when behind firewall is required for additional security.
33	Web based Management, Diagnostics and Configuration
34	Immediate calls for more than 50 numbers can be viewed with full details on the main menu.
35	Should have support for Local and global directories.
36	It should be possible to soft update the system using Windows Vista PC/Laptop.
37	The system should be intelligent enough to manage the bandwidth and recover packet lost in the network during transmission to maintain superior video quality.
38	For analyzing call details and records, it should be possible to extract CDR information from web management of the endpoints.
39	Operating conditions: 230 volts, 50 Hz and PAL video standard

Desktop Video Conferencing System Specifications

Make: Any

S.No.	Essential Components and Features	Compliant (Y/N)
	Integrated unit including codec, camera, speaker and monitor 17" LCD/TFT which should work both as videoconferencing monitor as well as PC monitor	
1	H.320, H.323 and SIP compliant	
2	H.261, H.263 and H.264 video coding support	
3	G.728, G.722 and G.711 audio coding support	
4	System should be able to support DTMF commands during SIP calls.	
5	Built-in Acoustic Echo canceller and Noise Reduction	
6	System should be capable to do automatic Gain Control, Noise Suppression and must have Instant Adaptation Echo Cancellation with Audio Error Concealment facility	
7	System should be able to connect at speeds from 128 kbps to 2 Mbps in multiples of 128 kbps on IP and 512 kbps on ISDN	
8	System should support SIP up to 2 Mbps	
9	Fixed focus CCD color camera with at least 45 degrees horizontal field of view and capability to operate in normal room illumination conditions (Mix of Sun light and Fluorescent light)	
10	System must be equipped with built in dual speakers	
11	Should have Inbuilt or external microphone for hands free operations	
12	Should support handset or head phones	
13	Should have a minimum of 17" built-in display monitor (LCD/TFT) which should work both	

	as videoconferencing monitor as well as PC monitor
14	Should get an alert (audio/video) on the screen while an incoming video call arrives keeping the PC content secret.
15	To support and deliver High quality Live video resolution at 30fps from 56 Kbps–2Mbps along with 4CIF, SIF, 4SIF resolutions4CIF, SIF, 4SIF resolutions
16	Should be able to support H.239 for sharing of video and graphics content during the video call with minimum resolution as CIF (352 x 288 pixels).
17	To support an infrared hand held remote control.
18	The system should be upgradeable to support 4 way multipoint
19	System must have AES encryption for IP calls.
20	System must support enhanced password encryption for meeting, room, and remote access passwords.
21	System must have AES encryption for IP calls with an icon indication on the screen.
22	System should support Video Privacy option through a shutter
23	Should support PIP (Picture in Picture)
24	For various connectivity to audio and video device, the system should support following pair of input and output ports for integration
	Audio Input 1 X RCA, 1 Input for PC audio
	Audio Output 1 x RCA, 1 Output for headphone jack for mixed audio.
	Video Input 1 x Composite Video: 1 Computer input for computer display, VGA-SXGA.
25	System should support auto sense 10/100Mbps Ethernet port (LAN) for H.323 connectivity
26	System should support E.164 dialling using H.323 Gatekeeper
27	Support for working behind Network Address Translation (NAT) with a capability to

	automatically detect being behind NAT in IP networks
28	The capability to define TCP and UDP ports when behind firewall is required for additional security.
29	Web based Management, Diagnostics and Configuration
30	Immediate calls for more than 50 numbers can be viewed with full details on the main menu.
31	Should be possible to display content over LAN without physically connecting the PC/Laptop to the codec.
32	Should have support for Local and global directories.
33	It should be possible to soft update the system using Windows Vista PC/Laptop.
34	The system should be intelligent enough to manage the bandwidth and recover packet lost in the network during transmission to maintain superior video quality.
35	For analyzing call details and records, it should be possible to extract CDR information from web management of the endpoints.
36	To provide support for API control through telnet.
37	Operating conditions: 230 volts, 50 Hz and PAL video standard

	Bill of Materials			
S. No	Item Description	Qty	Unit Price	Total Price
1	Conference Room Video Conference system	2		
2	ISDN PRI to connect Conference Room VC on ISDN	2		
3	Desktop Video Conference System	35		
4	Installation, Testing, Commissioning & Training Charges including the materials required for the Installation	1 Job		
	Grand Total			

Annexure I

LIST OF SIMILAR WORKS DONE DURING THE LAST 5 YEARS

Sl. No.	Name of Client	Nature of work	Total value	Duration of implementation	Date of installation	Area of network	Post execution services of the system

The credential certificate issued by the client shall be enclosed

(Signature of the authorized signatory with seal)

Date

Place

Annexure II

LIST OF SIMILAR WORKS ON HAND

Sl. No.	Name of Client	Nature of work (with technical specifications)	Total value	Date of installation	Area of network	Remarks

The credential certificate issued by the client shall be enclosed

(Signature of the authorized signatory with seal)

Date :

Place