

IN THE HIGH COURT OF DELHI AT NEW DELHI

F.No.....5810/CPC/DRC

Dated : 09.03.2018

From :

The Registrar General
Delhi High Court,
New Delhi

To

(on the website of Delhi High Court & District Courts)

Subject: - Quotation for 16 Studio based Video Conferencing Units for installation and use at District Courts and District Jails and 1 Video Conferencing System for Delhi Judicial Academy.

Sir/Madam,

This court intends to purchase 16 Studio based Video Conferencing Units for District Courts & District Jails and 1 Studio based Video Conferencing Unit for Delhi Judicial Academy.

The specifications of each Studio based Video Conferencing Unit and Video Conferencing System are as under :

(a) Studio based Video Conferencing Unit

1. Specifications of All-in-One Computer System (Annexure-A).
2. Specifications of Display Unit with HDMI Cable (Annexure-B).
3. Specifications of USB based Microphones-cum-Speaker with built-in ECHO Canceller and specification of USB based PTZ Web Camera (Annexure-C).
4. Specifications of UPS (Annexure-D).

(b) Video Conferencing System

1. Specifications of VC System (Annexure-E).
2. Specifications of Display Unit and Video Recording (Annexure-F).
3. Specifications of UPS for VC system (Annexure-G).

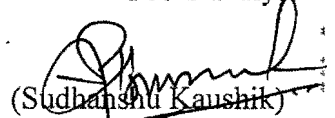
The authorized vendor(s) are requested to submit separate quotations for (a) Studio based Video Conferencing Units and (b) Video Conferencing System in a sealed envelope to the AOJ (IT/Sty.), Room No.6, Ground Floor, LCB-III, Delhi High Court on or before **23.03.2018** clearly mentioning the model number and the technical details of the product being offered. The equipment offered must be manufactured not before December 2017. The quotations should be addressed in the name of "**The Registrar General, Delhi High Court, New Delhi**" and the subject of this letter be superscribed on the envelope.

The rates offered for Studio based Video Conferencing Units and Video Conferencing System should be inclusive of all taxes and the warranty period (5 years) should be clearly mentioned in the quotation. The vendor(s) may be required to give demo of these equipments. The installation of Studio based Video Conferencing Units and Video Conferencing System shall be done by the vendor(s). The validity of rates should not be less than six months from the last date of submission of quotation. Quotation with less period of validity of rates shall be rejected. The quotation received after the due date shall be summarily rejected. The vendor must have its own office and must have a service agent stationed at Delhi/NCR. The vendor shall submit a

certificate to the effect that he has not been debarred/black-listed by any government/semi-government organization in India or abroad (The format is enclosed as Annexure-H).

It is clarified that the High Court reserves the right of increasing or decreasing the number of hardware devices and the right to modify/amend the quotation letter/terms & conditions at a later stage. This court also reserves the right to place the order fully/partly to different firms/vendors.

Yours Truly



(Sudhanshu Kaushik)
Joint Registrar (Judicial)/CPC
For Registrar General

CC to :-

1. Mr. Zameen Ahmad, Sr. System Analyst (IT) with request to upload the letter on the website of Delhi High Court.
2. Mr. Ravinder Dudeja, Chairman, Centralized Computer Committee, THC, Delhi with request to upload the letter on the website of District Courts.

Sd/-
Dy. Registrar (IT)

S.No	All-in-One Computer System for Court Complex= 16 Nos.	
1	Category	Business (for work) segment (not Home Segment)
2	Form Factor	All in one
3	Make, Mode/ Part No.	(to be given by the bidder- At the time of Technical Evaluation)
4	Processor Family	Intel Core i5 Processor with Seventh Generation or better
5	Base Frequency	2.6 Ghz or Higher
6	Processor Cache	As per Processor
7	Motherboard & Chipset	Intel Original Mother Board or Equivalent Performance Chipset for quoted Processor based Mother Board
8	TDP (Thermal Design)	Not More than 65 W
9	System Memory (RAM)	4 GB, 2400 Mhz DDR-IV Memory or Higher
10	Expandable Memory	Upto 16 GB, at least 2 slots
11	Hard Disk	Integrated Dual Port SATA III controller, HDD 500 GB, 7200 RPM or more / above
12	Preloaded Operating System	Ubuntu 14.04 or 16.04 / Free DOS / Without OS (Ubuntu with all required drivers & plug-in)
13	Operating System certificate	Ubuntu-Linux 14.04/16.04 LTS or Above
14	System Architecture	64- Bit
15	Screen Size & Resolution	Non touch Screen with 21.5" (HD Resolution) or higher with OEM certification
16	Screen Type	HD Wide Screen Backlit LED Anti-Glare Display
17	Graphic Processor	Intel HD or equivalent Integrated HD Graphic & sound Controller.
18	Monitor Mounting Support	Vesa Screws Cover for Wall Mount (OPTIONAL)
19	Web Camera	1.0 Megapixel HD Built-in Webcam or Higher
23	Speakers	Stereo Sound Speakers (Built-In)
24	Ethernet	Integrated Gigabit Ethernet Controller with IPv6 Complaint
25	Wireless	IEEE 802.11 b/g/n
26	USB Port	4 x USB 2.0, 2 x USSB 3.0
27	Other Ports	Mic In, Speaker Out, Rj45, VGA/HDMI/Display Port Out
28	Power Supply/ Adaptor	External Power A.C. Adaptor
29	Energy Certification	Energy Star (EPA) version 5.0 or later/ BEE India Star
30	EPEAT Certified	Yes Required
31	Power	ACPI Complaint
32	USB Ports Security	USB Port Disable (through BIOS)
33	Security Lock	Optional
34	Hardware Drivers	Vendor to provide for Ubuntu --Linux 14.04/16.04 LTS
35	Warranty	5 Years onsite Comprehensive Warranty Support with Level 1 Support from bidder and Level 2 support from OEM
36	Service Centre	Must have Company Authorized Service Centre in Delhi or NCR.

Note: - Any higher specification would also be accepted but not the lower one.

Annexure-B

DISPLAY UNIT FOR VC SYSTEM WITH HDMI CABLE Quantity = 16 Nos.
48 inches HD LED Monitor compatible with VC SYSTEM as given at Item 1
Two or more HDMI In Ports with 10 meters HDMI Cable
One D-Sub (No.15) Input for PC Input including for Audio
One Component Video In with audio
Built In Stereo Speakers with Amplifier with 5 W x 5W capacity
Tablet Top Stand / Wall Mount Kit
Remote Control with Display Unit Functionalities
Input Power 230 +/- 5% with 50 Hz
5 years on site warranty

Note: - Any higher specification would also be accepted but not the lower one.

USB BASED MIRCOPHONES CUM SPEAKER WITH BUILT-IN ECHO CANCELLER FOR DESKTOP BASED VC SYSTEM Quantity = 16 Nos.
USB based plug-n-play device to operate with various Linux OS including Ubuntu Linux & Windows Operation System
Good pickup of about 1.5 meters (6-7 feet) distance from the Microphone coverage of 360 Degree
Full Duplex Operation (Speak and listen simultaneously)
Built-in Echo Cancellation
Volume Control button for increase and decrease according to local preferences
Local Microphone Mute/Un-mute button with visual indication such as bi- colour LED
Frequency response for microphone - 200 Hz – 7 KHz or better
HD quality speaker output
3.5 mm mini phone connector to connect to external devices such as speaker and Microphones with echo cancellation
Upgradable Firm-ware
With 10 feet additional USB extension connecting cable
USB BASED PTZ WEB CAMERA FOR DESKTOP BASED VC SYSTEM Quantity = 16 Nos.
USB based plug-n-play device to operate with various PCs/Laptops
Thermal stabilized Lens such as Carl Zeiss® lens with autofocus/ High Precision Lens for clear picture
Compliant with software for video recording using H.264 codec
Compliant with various Linux OS including Ubuntu Linux, Windows and Mac OS systems
Minimum 5 feet USB connecting cable
Compliant low lighting environment
Built-in microphones for audio pickup from distance of 5 feet
Remote Controller to PTZ functions
10 feet additional USB extension connecting cable

Note: - Any higher specification would also be accepted but not the lower one.

UPS FOR VC SYSTEM Quantity = 16 Nos.	
Capacity	1 KVA LINE INTERACTIVE
Input Voltage and Frequency	140-270 V, 47 to 53 Hz
Output Voltage and Frequency (On Mains)	230 +/- 5 % with AVR (Automatic Voltage Regulation), 50 hz +/- synchronized with Input power Frequency
Output Voltage and Frequency (On Battery)	230 V +/- 3% with 50 Hz
Backup Time	60 minutes
Battery Type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leak proof
Overload Capacity	110%
Efficiency	80% or more
Output Wavetype	Quasi Sinewave or better
Transfer Time	< 5 milliseconds
Load Power Factor	0.6
Indicators	Mains, On Battery, Charge, Overload
Alarms	Low Battery, Mains Off, Tripping
Operating Environment	0 – 40 °C
Operating Relative Humidity	0 – 95%
Audible noise at 1 meter from surface of unit	Not more than 50.00 dBA
Output Sockets	3 or more with 3 pin
Warranty	5 years Onsite including batteries

Note: - Any higher specification would also be accepted but not the lower one.

HARDWARE SPECIFICATIONS OF VC SYSTEM

	Power Specifications
Input Voltage	230 +/- 5%
Input Power Frequency	50 Hz
	Network Specifications
Operatability	IP Networks Supporting Static IP as well as DHCP including for IPv6
Ethernet Port	Autosense Ethernet Port
NAT/Firewall	Support working behind NAT, Firewall traversal
Compatibility	SNMP Alerts QoS (with DiffServ& IP Precedence)
	Video Specifications
Protocol	H.264
View/Picture Arrangement	Picture in Picture or side by side picture (Dual Monitor Emulation) support
Resolution	High Definition Live Video Resolution of 720 p at 25 fps for Transmission as well as Reception
Transmission and Reception	HD Content & Presentation Transmission and Reception simultaneously
Multiparty	Point to Point as well as MultiPoint (for at least 1 + 3 sites)
Streaming	H.239 Dual Streaming support
	Audio Specifications
Protocols	G.722, G.711
Microphone	High Quality Microphone for distance of 3 meters or more Additional Microphone support
Audio Quality	Built-in Acoustic echo cancellation with noise reduction
	Video Conferencing Specifications
Directory Protocols	Global Directory, Display of active participants, /H.350/LDAP protocol
Interoperability	Interoperable with any H.323 & SIP compliant HD, SD VC systems and MCUs
Endpoint Management	Web-based management of VC endpoint
Dialling	E.164 Dialling using H.323 Gatekeeper
	Camera Specifications
Far End Camera Control Protocol	H.281
Camera Features	HD PTZ Camera of 720 p resolution
Zoom	5x or more

Mounting	Mountable on Screen or Desk or Wall
Light Requirements	In Normal Room light
Remote Control	Remote Control functionality with about 7 meters including for PTZ actions

Interface / Ports

Video	VGA and/or HDMI port with XGA/HD resolution to facilitate computer system connection for video in/out
Audio	Auxiliary Audio In for connecting external audio devices Audio Out ports supporting transferring audio to external audio/PA system

VC Session Recording Ready

Recording Media	Support for live recording of VC session with both sides audio and video using memory card or DVD/HDD
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Recording Connectivity	HDMI/VGA/S-Video/Composite Video Out and Audio out for recording through the Recording Device (DVR or HDD Recorder) DVR / HDD Recorder extra
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Cables

VC Unit to Display Unit HDMI Cable of 5 meters or more

VC Unit to Microphone Cable of 8 meters or more

VC Unit to external computer system - VGA Data Cable of 5 meters or more

Software Licence and Support

Software subscription for all software applications, hardware drivers/pugins at least for Warranty Period including upgrades and patches if any

Warranty

Five year onsite warranty

Note: - Any higher specification would also be accepted but not the lower one.

SPECIFICATIONS OF DISPLAY UNIT FOR VC SYSTEM

32/40/48 or more inches HD LED Monitor compatible with VC SYSTEM as given at Item 1 above (two in number i.e. 1 larger for remote site view & 1 for self view)

Two or more HDMI In Ports

One D-Sub (No.15) Input for PC Input including for Audio
One Component Video In with audio

Built In Stereo Speakers with Amplifier with 5 W x 5W capacity
Tablet Top Stand / Wall Mount Kit

Remote Control with Display Unit Functionalities
Input Power 230 +/- 5% with 50 Hz

5 years on site warranty

SPECIFICATIONS OF VIDEO RECORDER FOR VC SYSTEM (DVR)

Audio & Video In Ports compatible with Item No. 1 above for receiving live audio & video (of local and remote site) for live recording

Audio & Video Out Ports compatible with Item No. 2 above for playback of recorded audio& video of VC sessions

Built In media of installed HDD of 1 TB or above

Functionality to copy recorded files to external HDD, Memory Card Unit through USB Port

Recorded Video format to be compatible with all standard media players including VLC Media Player

Full Function Remote Control

Input Power 230 +/- 5% with 50 Hz

5 years onsite warranty

Note: - Any higher specification would also be accepted but not the lower one.

SPECIFICATIONS OF UPS FOR VC SYSTEM

Capacity	1 KVA LINE INTERACTIVE
Input Voltage and Frequency	140-270 V, 47 to 53 Hz
Output Voltage and Frequency (On Mains)	230 +/- 5 % with AVR (Automatic Voltage Regulation), 50 hz +/- synchronized with Input Power Frequency
Output Voltage and Frequency (On Battery)	230 V +/- 3% with 50 Hz
Backup Time	60 minutes
Battery Type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leak proof
Overload Capacity	110%
Efficiency	80% or more
Output Wavetype	Quasi Sine wave or better
Transfer Time	< 5 milliseconds
Load Power Factor	0.6
Other Features	Cold Start, Auto Start, Generator Compatible, No Load Shutdown
Protections from	Surge, Short Circuit, Spikes, DC Under voltage and Overload
Indicators	Mains, On Battery, Charge, Overload
Alarms	Low Battery, Mains Off, Tripping
Operating Environment	0 – 40 °C
Operating Relative Humidity	0 – 95%
Audible noise at 1 meter from surface of unit	Not more than 50.00 dBA
Output Sockets	3 or more with 3 pin
Warranty	5 years Onsite including batteries

Note: - Any higher specification would also be accepted but not the lower one.

Annexure-H

Date: _____

Tender Ref. No. _____

To

The Registrar General,
High Court of Delhi,
New Delhi

**Subject: - Declaration regarding clean track record of the firm/company/
proprietorship concern.**

Sir,

I hereby declare that my company/firm/proprietorship concern has not been debarred/black-listed by any Government/Semi Government Organization in India or abroad. I further certify that the competent authority in my company/firm/proprietorship concern has authorized me to make this declaration.

Yours sincerely,

Name: _____

Designation : _____

Company/Firm: _____

Proprietorship Concern : _____

Address: _____

(Stamp & Signature)