



INDRAPRASTHA COLLEGE FOR WOMEN/इन्द्रप्रस्थ महिला महाविद्यालय
University of Delhi/दिल्ली विश्वविद्यालय
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Ref. No. IPC/PUR/MMMC/2019/49/07

Dated 12.07.2019

E-PROCUREMENT TENDER NOTICE

Tender in two bid systems i.e. (i) Technical bid (ii) Financial bid are invited for procurement of the following item/equipment:-

S. No.	Description of Items	Quantity
1	Multi Camera Studio Setup (Supply, Installation, Testing and Commissioning)	
1.01	Video Camera	4
1.02	Digital Video Switcher	1
1.03	Audio Mixer	1
1.04	Telepromptor	1
1.05	Tripod	4
1.06	LED Multi Viewer Screen	1
1.07	17-Inch Full HD Professional SDI Monitor	1
1.08	Talk Back Headphones	5
1.09	Video Recorder-HD	1
1.10	Tower Speaker	1
1.11	Card Reader	3
1.12	Ear Phone	1
1.13	BNC Connectors with Boots	100
1.14	3-Pin XLR (M/F) Connectors	50
1.15	Table with raised platform	1
1.16	Chroma base with stand	1

Note: The equipment must be ISO/CE/ISI compliant with certification proof of current validity of quoted model.

IMPORTANT DATES

Bid Document Download Start Date	13.07.2019
Bid Submission Start Date	13.07.2019
Bid Submission End Date	01.08.2019 up to 01.00 pm
Bid Opening Date (Technical)	02.08.2019 at 2.30 pm
Bid Opening Date (Financial)	Will be decided after technical evaluation of bids.

NOTES:

- 1) All details regarding the subject tender are available on our websites www.ipcollege.ac.in and <https://eprocure.gov.in/eprocure/app> Bidders are therefore, requested to visit these websites regularly to keep themselves updated.
- 2) Manual bids shall not be accepted. For submission of E-Bids, bidders are required to get themselves registered with <http://eprocure.gov.in/eprocure/app>.
- 3) Clarifications/ queries, if any, can be addressed to Principal, Indraprastha College for Women, University of Delhi, 31, Sham Nath Marg, Delhi-110054

**Sd/-
PRINCIPAL**

INFORMATION & INSTRUCTIONS FOR BIDDERS

Earnest Money Deposit *	Rs 3,00,000/- (Rupees Three Lakh Only) through Demand Draft/Banker's cheque in favour of ' Indraprastha College for Women'.
*EMD should reach the Principal, Indraprastha College for Women, University of Delhi, 31, Sham Nath Marg, Delhi-110054 before end date and time of bid submissions in closed envelope super scribing the Tender Enquiry Number, Description of the Item, due date etc. Bidders however have to attach scanned copy of EMD along with the E-Tender (Technical Bid). Tender Document may be downloaded from the website of CPPP portal http://eprocure.gov.in/eprocure/app as per the schedule.	

BID SUBMISSION

A. "Bid" shall be submitted as per Annexures

Annexure – I (Technical Bid)

Annexure – II (Tender Acceptance Letter)

Annexure – III (Specification)

Annexure – IV (Deviation Statement)

Annexure – V (Authorization Certificate from Manufacturer/Principal Firm)

Annexure – VI (Certificate of Manufacturer/Principal Firm)

Annexure – VII (Performance Statement Proforma)

Annexure - VIII (Maintenance of Infrastructure Facilities)

Annexure - IX (Financial Bid Format)

Annexure- X (Format for providing CMC/AMC for 5 years after warranty)

B. General Instructions

C. Terms & Conditions

Technical Bid

Details filled in this form must be accompanied by sufficient documentary evidence, in order to verify the correctness of the information.

S.No.	Description	Details
1	Name of the Company/Firm	
2	Status of the company (Prop./Pvt./Public/Govt.)	
3	Mailing Address	
4	Telephone and fax numbers	
5	Email Id and Website address of the Company.	
6	Year of registration of the Company	
7	GST No. of the company (Proof enclosed)	
8	PAN No. of the company (Proof enclosed)	
9	Whether the participating firm is a ISO certified company? If yes, please enclosed proof.	
10	Are you manufacturer or authorized dealers?	
11	Tender Acceptance Letter submitted as per format	
12	Make and Model of the offered equipment as per specifications of the tender.	
13	Deviation Statement filled as per format	
14	Performance Statement submitted as per format	
15	Maintenance of Infrastructure Facilities submitted as per format	

I/we agree to abide by all the terms & conditions mentioned in the tender and further undertake that details of company profile given above with proof are correct & true.

(Signature)

Date : (Name & Designation).....

Place: (Company Seal)

[Note: The format may be printed on the letter head of the firm and attached with page numbering]

TENDER ACCEPTANCE LETTER

To,
.....
.....
.....

Sub: Acceptance of Terms & Condition of E-Tender.

Tender Reference No: dated for
procurement of

Dear Sir,

With reference to your tender, and after having examined and understood the instructions, terms and conditions specified in the tender, we hereby enclose our offer for the supply of the following services as detailed in your tender:-

Work/ Equipment Description	Make and Model offered

- 1) I/We have downloaded/obtained the tender document(s) for the above mentioned material(s) as per your e-tender notified on the websites namely www.ipcollege.ac.in and <https://eprocure.gov.in/>
- 2) I/We hereby certify that I/we have read the entire terms and conditions of the tender documents from Page No. ____ to ____ (including all documents like annexure(s), schedule(s), etc.), which form part of the contract agreement and I/we shall abide hereby by the terms / conditions/ clauses contained therein.
- 3) The corrigendum(s) issued from time to time by your department / organization too has also been taken into consideration, while submitting this acceptance letter.
- 4) I/we hereby unconditionally accept the tender conditions of above mentioned tender document(s)/corrigendum(s) in its totality/entirely.
- 5) I/we do hereby declare that our firm has not been blacklisted/ debarred by any Govt. Department/Public Sector undertaking.
- 6) I/we certify that all information furnished by our Firm is true & correct and, in the event, that the information is found to be incorrect/untrue or found violated, then your department/organization shall without giving any notice or reason thereof can summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full earnest money deposit.

Yours faithfully

(Signature of the Bidder, with Official Seal)

Note: The format may be printed on the letter head of the firm/service provider.

SPECIFICATIONS**1.01 Specification for Video Camera**

General	
Camcorder	Solid State Memory Card Camcorder
Mass	Approx. 2.6 kg (body) less than .3.0 kg (with lens hood, eyecup, battery, memory card)
Power Requirements	DC In: 12V-14.5 v
Power Consumption	Approx. 24W, (while recording with LCD Off, EVF On when the external device connector is not used.) Approx. 31W, (while recording with LCD On, EVF On when the external device connector is used.)
Battery Operating Time	Approx. 1 hours, 5 minutes with small battery (while recording with LCD Off, EVF On when the external device connector is not used.) Approx. 2 hours, 10 minutes with beg battery (while recording with LCD Off, EVF On when the external device connector is not used.)
Recording Format (Video)	I QFHD, I HD, L QFHD, L HD, MPEG HD422, MPEG HD420, DVCAM
Recording Format (Audio)	LPCM, 48kHz, 4 channels
Recording Frame Rate	3840x2160/59,94p, 50p, 29.97p, 23.98p, 25p 1920x1080/59,94p, 59.94i, 50p, 50i, 29.97P, 23.98P, 25P 1280x720/59.94P, 50P
Recording Format (Proxy Audio)	Proxy: AAC-LC, 128 kbps, 2 channels
Recording Format (Proxy Video)	Proxy: AVC/H.264 Main Profile 4:2:0 Long GOP, VBR
Lens Mount	Fixed
Zoom Ratio	17x (optical),
Focal Length	f = 5.6 - 95.2 mm
Iris	F1.9 - F16 and close, auto/manual selectable
Focus	800 mm to ∞ (Macro Off), 50 mm to ∞ (Macro On, Wide), 800 mm to ∞ (Macro On, Tele) AF/MF/Full MF selectable
Image Stabilizer	On/Off selectable, shift lens
Filter Diameter	M77 mm, pitch 0.75mm
Camera Section	
Imaging Device (Type)	1/2 type back-illuminated 3CMOS sensor
Effective Picture Elements	3840 (H) x 2160 (V)
Optical System	F1.6 prism system
Built-in Optical Filters	ND filters OFF: CLEAR 1: 1/4ND, 2: 1/16ND, 3: 1/64ND Linear variable ND (Approx. 1/4ND to 1/128ND)
Sensitivity (2000 lx, 89.9% reflectance)	F12 (typical, 1920 x 1080/59.94p mode) F13 (typical, 1920 x 1080/50p mode) F12 (typical, 3840 x 2160/59.94p, High Sensitivity Mode) F13 (typical, 3840 x 2160/50p, High Sensitivity Mode)
Minimum Illumination	0.0013lx or better (1920 x 1080/59.94i mode, F1.9, +42 dB gain, High Sensitivity Mode, with 64 frame accumulation)
S/N Ratio	63 dB (Y) (typical)
Horizontal Resolution	2,000 TV lines or more (3840 x 2160p mode) 1,000 TV lines or more (1920 x 1080p mode)
Shutter Speed	1/24 sec to 1/8,000 sec
Slow Shutter (SLS)	2, 3, 4, 5, 6, 7, 8, 16, 32, and 64-frame accumulation

Slow and Quick Motion Function	
	<Intra>, <Long>
	2160P: 1-60 fps
	1080P: 1-60 fps
	720P: 1-60 fps
	<MPEG HD422>
	1080P: 1-30 fps
	720P: 1-60 fps
	<MPEG HD420 HQ>
	1080P: 1-30 fps
	720P: 1-60 fps
White Balance	Preset (3200K), Memory A, Memory B/ATW
Gain	-3, 0, 3, 6, 9, 12, 18 dB, 42dB(Turbo Gain ON), AGC
Gamma Curve	Selectable
Input/Output	
Audio Input	XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable
Video Output	BNC (x1), HD-Y/ HD-SYNC/Composite
	1.0Vp-p, 75Ω (switchable to Genlock in)
Audio Output	Integrated into Multi/Micro USB jack(x1)
SDI Output	BNC (x1), 12G/3G/HD/SD selectable
Timecode Input	BNC (x1) (switchable to TC out) 0.5V-1.8Vp-p, 3.3kΩ
Timecode Output	BNC (x1) (switchable to TC in) 1.0Vp-p, 75Ω
Genlock Input	BNC (x1) (switchable to Video out) 1.0 Vp-p, 75Ω
USB	USB device, Multi/Micro USB jack (x1)
	Host:USB 3.0/2.0 type A(x1)
	USB 2.0 type A(x1)
Headphone Output	Stereo mini jack (x1) -16dBu 16Ω
Speaker Output	Monaural, Output: 500mW
DC Input	DC jack (x1)
Remote	Stereo mini-minijack (Φ2.5 mm)
HDMI Output	Type A (x1)
Wired LAN	RJ-45 (x1), 1000BASE-T, 100BASE-T, 10BASE-T
Monitoring	
Viewfinder	1.3 cm (0.5 type), Approx 2.36M dots
LCD	8.8cm (3.5 type), Approx. 1.56M dots
Built-in Microphone	Omni-directional stereo electret condenser microphone
Media	Express Card/34 slot (x2)
Wi-Fi/NFC	
Supported Format	IEEE 802.11 a/b/g/n/ac
Frequency Band	2.4 GHz bandwidth, 5.2/5.3/5.6 GHz bandwidth
Security	WEP/WPA-PSK/WPA2-PSK
NFC	NFC Forum Type 3 Tag compliant

Features

4K 3-chip Camcorder with 1/2-type CMOS image sensors, Redefines Handheld Production Image Quality and Workflow
handheld 4K 50p/60p* performance
Instant HDR workflow with HLG and SLog3. Spectacular HDR performance
Built-in electronic variable ND filters
17x professional zoom lens with three independent rings with end-stop and sensor cropping extender
Face Detection Auto focus (AF)
The complete package for professionals with Advanced -Intra and -Long for 4K QFHD and HD, plus MPEG HD422, MPEG HD and DVCAM to support any workflow.

12G-SDI accelerated workflow ideal for working with highest quality 4K content
Accurate OLED viewfinder is perfectly offset for right-eye or left-eye viewing.
Dual Multi-Interface (MI) Shoe for Wireless Microphone and Light
Dual XLR and 4 Channel Audio
Dual media slots and one proxy slot.
Networked for high mobility like streaming and FTP for file transfer

1.02 Specification for Digital Video Switcher

Specifications for broadcast quality minimum 6 Input 1M/E Digital Video Production Switcher

- The offered equipment should be from an internationally reputed manufacturer
- The switcher should have 6 or more video input supporting SD-SDI, HD-SDI and HDMI interfaces.
- Inbuilt or external control panel should have source selection buttons/touch screen interface for video selection.
- Each source selection should have a complete display to customize the source names for different applications.
- It should have capability to map all the internal or external sources to any cross point/ physical connectors.
- It should have facility to store and recall the effects of the switcher operations through a single button/touch.
- It should also have minimum of 190GB and more internal SSD more over it will support external media interface like USB/Hard disk etc. to store and recall the effects, videos, fonts, graphics recording etc.
- Switcher should have 2 Keyers or more on 1 M/E which can be used as Chroma, and Picture in Picture.
- Switcher have Chroma Key Capability and possible to move and magnify/shrink the Chroma key using a resizing feature or using DME/DVE.
- Switcher should store frame memory in HD that can be used to output the still or clip file.
- Switcher should store at least 5000 Full HD still frames and should capable to store Still, Video, Embedded audio-video.
- Standard interface like RS-422 or 232 for camera control, tally would be present in switcher.
- Dedicated REF/Sync output should be available.
- Switcher should have 1 AUX Output which can route the sources, clean, PGM video signal.
- Switcher is equipped with Menu Touch Panel to operate Menu function in easy way.
- If external Control panel then panel should equipped with OLED displays, LED indicators, LCD RGB XPT buttons for more accurate and user-friendly operation
- Switcher should have Format conversion, Frame sync option for every input and also Audio delay feature will be available for audio follow video option.
- Basic Audio mixing feature should be available in switcher. Having 6 or more audio channel, mic On/Off, Pan, equalizer, Oscillator features would be there.
- Switcher should record PGM or Aux video signal with audio. Switcher can record minimum 8 hours of recording.
- Switcher should stream Audio Video signal to external Streaming servers like You Tube, U stream etc.

General	
Power Requirements	DC 19.5V 7.5A
Power Consumption	less than 200 W
Operating Temperature	5 to 35 °C (42 to 95 F)
Mass	Approximately 7 kg
Interfaces	
NETWORK	RJ45 Type x 2 100/1000 base-TX
USB3.0	USB A Type x 4 USB3.0 equiv.
GPI	9 pin in-line connector Input x4: TTL Output x4 : Open corrector
VISCA OUT	5 pin in-line connector / RS-422 equiv. VISCA camera commands are supported.
LCD	(i)15.6" High Brightness LCD 1920 x 1080 60Hz (ii)10.6" High Brightness LCD 1280 x 768 60Hz
Speaker	Built-In Speaker x 2 Size: 20(mm) in diameter
Video Signals	

VIDEO INPUTS	
HD/SD SDI	BNC type x 4 75Ω, 1.5Gbps, 270Mbps SMPTE-292M, SMPTE-259M-C
Composite	RCA pin x 2 VIDEO: 1.0 Vp-p 75Ω, negative sync
RGB	D-Sub Shrink 15pin Type x2 (Female)
HDMI	HDMI (Type A) x 2 CEC not supported, HDCP not supported
VIDEO OUTPUTS	
HD/SD SDI	BNC type x 2 75Ω, 1.5Gbps, 270Mbps SMPTE-292M, SMPTE-259M-C
HD SDI	BNC type x 1 75Ω, 1.5Gbps, SMPTE-292M
RGB	D-Sub Shrink 15pin Type x1 (Female)
HDMI	HDMI (Type A) x 1
REF OUT	BNC Type x 1 Analog black burst signal NTSC: 0.286 Vp-p +/- 2dB, 75Ω, negative sync PAL: 0.3 Vp-p +/- 2dB, 75Ω, negative sync
Audio Signals	
AUDIO INPUTS	
Analog Inputs 1-4	XLR/TRS Combo Type x 4 Ref. Level: +4 dBu, -20 dBu, -44 dBu Input impedance: 3.3kΩ or more Mic. Power: +48 V On/Off
Analog Inputs 5-6	RCA pin x 2 Reference input level: -10 dBu, input impedance: 10 kΩ or more
AUDIO OUTPUTS	
PGM OUT	TRS phone x 2 Reference level: +4 dBu (10 kΩ load), Max. output level: +24 dBu, Output impedance: 150 Ω
MIX OUT	RCA pin x 2 Reference level: +10 dBu (10 kΩ load), Max. output level: +10 dBu, Output impedance: 470 Ω
HEADPHONES	1/4" Stereo Phone Jack Type x 1 Max. power:70mW x 2 Impedance: 47 Ω
Video Signals Performance	
Video Process	10 bit Y: 74.25MHz R-Y/B-Y: 37.125MHz
SD Video Quantization and Sampling Frequency	8 bit Y: 13.5MHz R-Y/B-Y: 6.75MHz
REF OUT Frequency Accuracy	Less than 50 ppm
Supported Video Format	
SDI Input Format	1080i/50Hz, 1080i/59.94Hz 480i/ 59.94Hz, 576i/50Hz
SDI Output Format	1080i/50Hz, 1080i/59.94Hz 480i/ 59.94Hz, 576i/50Hz
RGB Input Format	VGA (640x480), XGA(1024x768) ,WXGA (1280x768) SXGA (1280x1024) ,UXGA (1600x1200) 1600x900 Frequency : 60Hz, 75Hz(Only XGA) * EDID supported

RGB Output Format	VGA (640x480), XGA (1024x768), WXGA (1280x768), SXGA (1280x1024) Frequency : 60Hz, 75Hz(Only XGA) * EDID supported
HDMI Input Format	VGA(640x480),XGA(1024x768), WXGA(1280xx768) SXGA (1280x1024),UXGA (1600x1200) 1600x900(WXGA++),1920x1080(Full HD) Frequency : 59.94Hz, 75Hz(Only XGA) * EDID supported
HDMI Output Format	VGA(640x480), XGA(1024x768), WXGA(1280xx768) SXGA (1280x1024), 1920x1080(Full HD) Frequency : 59.94Hz, 75Hz(Only XGA) * EDID supported
Audio Signals Performance	
Sampling Frequency	48kHz (Audio Mixer)
Quantization	24 bit (A/D, D/A) 40bit (DSP)
Frequency Response (MIC/LINE)	20Hz to 20kHz +0.5dB to - 2dB
Streaming Performance	
Format (Codec)	Flash (H.264, AAC) ,
Protocol	RTMP
Audio Sampling Frequency	48kHz
Resolution & Bit Rate(A+V)	960x540 (800kbps+96kbps), 608x342 (500kbps+64kbps), 480x270 (350kbps+32kbps)
Frame Rate	30fps/25fps (Typical)
Recording for VOD	Yes (.flv)
Server Function	No (Use the recommended servers)
Recording	
Recording Format	XDCAM(TM) MPEG HD (.mxf) Mpeg2 .mxf and Flash can be recorded simultaneously on the PGM and AUX outputs.
Codec	Video:MPEG-2 MP@HL, Audio : LPCM
Recording Bit Rate	35Mbps (1920x1080, 4:2:0)
Video Quantization	8bit
Recording Source	PGM or AUX
Recording media	Internal mSATA SSD (192GB) External USB3.0 storage device(as file copy)
Camera Control	
Max. Controllable cameras	Up to 7 Cameras
Snap Shot Memory	Memory: 6(tentative) Items: Pan / Tilt / Zoom / Focus / Iris
Control Tool	Touch Panels
Clip Playback	
Supported Format	.mxf (MPEG HD422, LPCM)*1, .mxf (MPEG HD, LPCM)*1 .f4v (H.264, AAC)*2, .mov (MPEG4, AAC)*2 .mov (H.264, AAC)*2, .mp4 (H.264, AAC or LPCM)*2 .m2ts (H.264, AC-3 or LPCM)*2
Channel of Clip Playback	1 channel
Titler	
Objects	Text, Background templates
Modification	Bold, Italic, Edge Border, Drop shadow
Preinstalled Fonts	SST Medium and more 11 fonts (Latin) DFHei-W5-A (Chinese, GB18030) SST Japanese Pro Regular and more 4 (Japanese)

	YDG othic 100 Pro (Korean)
Import Font Format	Vector Fonts (.ttf, pfb, otf)
Canvas Image	Checker, Black, White
Color Tool	30 preset colors from a palette
Input Language	10 languages English, Chinese(Simplified),Chinese(Traditional) Japanese, Korean, German, Spanish, Italian, Portuguese, French
Live Text Editing	Yes
Keyboard	Built-in software keyboard

1.03 Specification for– Audio Mixer

16-Channel Mixing Console: Max. 10 Mic / 16 Line Inputs (8 mono + 4 stereo) / 4 GROUP Buses + 1 Stereo Bus / 4 AUX (incl. FX)
16-Channel Mixing Console
Max. 10 Mic / 16 Line Inputs (8 mono + 4 stereo)
4 GROUP Buses + 1 Stereo Bus, 4 AUX (incl. FX)
“D-PRE” mic preamps with an inverted Darlington circuit
1-Knob compressors
High-grade effects: SPX with 24 programs
24-bit/192kHz 2in/2out USB Audio functions
Works with the iPad (2 or later) through the Apple iPad Camera Connection Kit / Lightning to USB Camera Adapter
PAD switch on mono inputs
+48V phantom power
XLR balanced outputs
Internal universal power supply for world-wide use
Rack Mount Kit Included
Metal chassis
Net Weight: 6.8 kg approx.

1.04 SPECIFICATION FOR TELEPROMPTOR

A Teleprompter, ideal for a smooth, zero hassle operations.
Hardware Details
Tripod Mountable Hardware Slide
Support for Camera with 2 risers
Height Adjustable Mirror Housing
Dual Graphics Card.
19” Prompter Display (LCD/LED Display)
It should have the following Software functions
Basic User management
Run-time story Editing
Run-time Run-order Update
Multi-language Support
Font-size Selection
Mirrored/ Unmirrored Prompting
Adjustable Scrolling speed
Full-feature Text editor
Story Progress bar
Preview On Operator Screen
Import Word/Html Files

1.05 Specifications for Tripod

Material	Aluminum
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Safety Payload Weight	7 kg
Min Height	44 cm
Maximum Height	168 cm
Head Type	Video/Fluid Head
Leg Sections	3
Legs Tube Diameter	16, 25 mm
Quick Release	Yes
Counterbalanced Weight	4 kg
Center of gravity	55 mm
Spreader	low level - variable arm length
Closed Length	83 cm
Base Type	75 Ball
Accessory Compatibility	502HLV; 509HLV; 114MV; 181B; 537SPRB; 565
Attachment	1/4" screw, 3/8" screw
Bubble Spirit Level (No.)	1
Carrying Bag Included	110125
Center Column	no centre column
Certifications	none
Color	Black
Easy Link	Yes
Front Tilt	-80° / +90°
Leg Type	Twin
Leg Angles	from 29° to 63°
Leg Lock Type	Flip Lock
Maximum Working Temperature	60 C
Minimum Working Temperature	-20 C
Pan Bar Included	Yes
Pan Drag	continuously adjustable from 0 to max level
Panoramic Rotation	360
Plate Type	504PLONG
Tilt Drag	continuously adjustable from 0 to max level

1.06 Specification for LED Multi Viewer Screen –

Display	
Screen Size	42 Inches
Screen Resolution	1920 x 1080 Pixels
Display Features	LED Backlight Module, Live Colour, Deep Color, Intelligent MPEG Noise Reduction, MPEG Noise Reduction, Advanced Contrast Enhancer (ACE), 24P True Cinema, PhotoTV HD
Display Quality	Full HD
Audio	
Sound Output	8 W + 8 W
Sound Technology	Dolby Digital, Dolby Digital Plus, Dolby Pulse

Audio Features	Sound Mode (Standard, Cinema, Sports, Music, Game, Compressed Audio), Sound Enhancer, S-Master, S-Force Front Surround 3D, Simulated Stereo, NICAM/A2 Stereo System, Speaker Configuration (2ch, Full Range(30 x 80 mm) x 2)
Video	
Aspect Ratio	16:9
Refresh Rate	Motion flow XR: 200 Hz
View Angle	Horizontal: 178 Degree, Vertical: 178 Degree
Processing Engine	X-Reality PRO
Video Features	Picture Mode (Vivid, Standard, Custom, Photo-Vivid, Photo-Standard, Photo-Original, Photo-Custom, Cinema1, Cinema2, Game-Standard, Game-Original, Graphics, Sports, Animation), CineMotion, Film Mode, Cinema Drive, 3D Comb Filter
Connectivity	
Component Video Input 1	(Bottom/Hybrid)
Composite Video Input 2	(1 Rear/1 Bottom Hybrid w/Component)
USB	✓ 1 x USB 2.0
HDMI	✓ 2 x HDMI
Audio Out	✓ 1 (Side/Hybrid w/HP)
Ethernet	✓ 1 (Bottom)
Headphone Out	✓ 1 (Side/Hybrid w/Audio Out)
Additional Connectivity 1	(Side) x RF Connection Input(s), 2 (1 Rear/1 Bottom) x Analog Audio Input(s), 1 (Bottom) x Digital Audio Output(s)
Other Features	
Additional Features	, Fast Zapping, USB Play, DLNA, Picture Frame Mode, Scene Select (Photo, Music, Cinema, Game, Graphics, Sports, Animation), Parental Control, Clock, Sleep Timer, On/Off Timer, Teletext, PAP (Picture And Picture), On Screen Display Language (Afrikaans, Arabic, Persian, English, French, Indonesian, Portuguese, Russian, Swahili, Thai, Vietnamese, Chinese(Simplified), Chinese(Traditional), Zulu, Assamese, Bengali, Gujarati, Hindi, Kannada, Malayalam, Marathi, Oriya, Punjabi, Tamil, Telugu), TV Guide On-Screen/EPG, Eco Features (Dynamic Backlight Control, Backlight Off Mode, Light Sensor, Power Saving Modes), Network Features (Screen Mirroring, TV Sideview), Colour System (PAL, SECAM, NTSC 3.58, NTSC 4.43)
Wifi	✓ Wi-Fi Direct, Wi-Fi Connectivity (Wireless LAN Built in)
Internet Apps	Skype Ready, Internet Video, Facebook, Twitter
Playback Formats	
Audio	MP3, WMA, LPCM
Video	MPEG1, MPEG2PS, MPEG2TS, AVCHD, MP4Part10, MP4Part2, AVI(XVID), AVI (Motin Jpeg), MOV, WMV, MKV, WEBM, 3GPP
Picture	JPEG, MPO
Power	
Power Supply	DC 19.5V
Power Consumption	84 W
Power Consumption Standby	0.5 W

1.07 Specification for 17-inch full HD professional SDI monitor

Parameters	Specification
Latency	Low latency i.e. Less than 0.5 field
Input versatility	capable of displaying multiple input video (composite/3GHD/SD-SDI/HDMI) or computer display (HDMI/DVI)
user friendly	easy control, user resettable with key inhibit function
waveform monitor, vector scope and audio level meter display	facility to watch waveform and vector scope of the input signal with zoom function
Mounting facility	both rack mount and wall mount
camera focus system	facility to control aperture level of a video signal and display images on the screen with sharpened edges to help camera focus operation
auto white adjustment	simple adjustment of the monitors white balance with a software based colour temperature (white balance) calibration function
specification	
panel	TFT active matrix LCD
screen size(diagonal)	17inches
Aspect	16:09

Resolution	1920x1080
Viewing Angle	80degree/60degree/80degree/80degree (typical) (up/down/left/right)
Colors	Approx 16.7 million colors
Input	
composite input	BNC(x1), 1Vp-p plusminus 3dB, sync negative
SDI input	BNC(x2)
HDMI input	HDMI(x1)
Audio input	stereo mini jack(x1), -5dBu 47Kohm or higher
Output	
composite ouput	BNC(x1), Loop-through, with 75 ohm automatic terminal function
SDI output	BNC (x2), output signal amplitude: 800 mVp-p plusminus 10%, output impedance: 75 ohm unbalanced
Audio monitor output	stereo mini jack(x1)
speaker (built in) output	1 watt monaural
Headphone output	stereo mini jack(x1)
power requirement	100V to 240V AC, 50 Hz; DC 12V to 17V
Power consumption	less than 50 watt
operating temperature	0 degree celsius to 35 degree celsius
operating humidity	30% to 85% (no condensation)
Mass	Less than 6 Kg

1.08 Specification for Talk Back Headphones

Transducer Principle: Dynamic
Operating Principle: Closed
Transmission Range: 10Hz-22KHz
Nominal Impedance: 24 Ohms
Nominal SPL at 1KHz: 98dB
T.H.D.: <0.2% (at 1KHz 100mW)
Nominal Power Rating: 100mW
Microphone Specifications
Transducer Principle: Condenser
Transmission Range: 20-16KHz
Polar Pattern: Omni-Directional
Normal Impedance: 2.2 Kohms
Sensitivity: -64dB

1.09 Specification for Video Recorder-HD

Connections
SDI Video Inputs-1
SDI Video Outputs-2
SDI Rates
270 Mb, 1.5G, 3G, 6G, 12G.
HDMI Video Inputs
HDMI 2.0 type A connector with support for Ultra HD 4K 10-bit 60p 4:2:2.
HDMI Video Outputs
HDMI 2.0 type A connector with support for Ultra HD 4K 10-bit 60p 4:2:2.
SDI Audio Inputs
16 channels embedded in SD, HD, and UHD in QuickTime files. 2 channels embedded in HD in Avid DNxHD MXF files.
SDI Audio Outputs
16 channels embedded in SD, HD, and UHD in QuickTime files. 2 channels embedded in HD in Avid DNxHD MXF files.
HDMI Audio Inputs
8 channels embedded in SD, HD, and UHD in QuickTime files. 2 channels embedded in HD in Avid DNxHD MXF files.
HDMI Audio Outputs

8 channels embedded in SD, HD, and UHD in QuickTime files. 2 channels embedded in HD in Avid DNxHD MXF files.
Reference Input
Tri-Sync or Black Burst.
Recorder Configuration
Front panel configurable or USB 2.0 high speed interface.
Computer Interface
1 x USB 2.0 Mini-B port for software updates and Utility software control.
Standards
SD Video Standards
525i59.94 NTSC, 625i50 PAL
HD Video Standards
720p50, 720p59.94, 720p60
1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60
1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30
1080i50, 1080i59.94, 1080i60
Ultra HD Video Standards
2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30, 2160p50, 2160p59.94, 2160p60
SDI Compliance
SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 425M Level B
SDI Metadata Support
HD RP188 and closed captioning CEA-708.
Audio Sampling
Television standard 24-bit, 48 kHz sample rate.
Video Sampling
04:02:02
Color Precision
10-bit
Color Space
REC 601, REC 709, REC 2020 (playback only)
Copy
2 x SSD for SD, HD and Ultra HD recording.
Media Type
SATA-II or SATA-III solid state disc.
Media Format
Can format discs to ExFAT (Windows/Mac) or HFS+ (Mac) file systems.
Supported Codecs
Uncompressed QuickTime, ProRes 422 HQ QuickTime, ProRes 422 QuickTime, ProRes 422 LT QuickTime, ProRes 422 Proxy QuickTime, Avid DNxHD/HR QuickTime and Avid DNxHD/HR MXF.
Built in Control Panel
12 buttons for transport and menu control, 2.2 inch color display.
External Control
RS-422 deck control, SDI start/stop, timecode run. Includes hd SDK and Ethernet hd Control Protocol.
Software
Software Included
Media Express, Disk Speed Test, System Preferences and driver (Mac only).
Internal Software Upgrade
Loaded at system start, or via updater software using USB port.
Operating Systems
Mac 10.12 Sierra,
Mac 10.13 High Sierra or later.
Windows 8.1 or Windows 10.
Display
Built in LCD for video, audio and timecode monitoring and menu settings.
Physical Installation

1 rack unit size.
Power Requirements
100 -240 AC

1.10 Specification for Tower Speaker

8" Lightweight, Glass-Aramid Composite Woofer Delivers Clear Midrange and Tight Bass Response Down to 35Hz
1" Soft-dome Tweeter Provides Pristine Clarity and Extended Response Up to 35kHz
Radiused Front Baffle Reduces Distortion from Diffraction
Proprietary Waveguide Optimized for Superior Imaging
Front-firing Bass Port Reduces Boundary Coupling
Custom-designed Bi-amped, Class A/B Amplifier
High and Low Frequency Controls Help Tailor the Monitors to Their Location and User Preference
Multiple Audio Input Connectors (XLR, ¼" TRS, RCA) for Universal Connectivity in Any Environment
Peak SPL : 109dB
Frequency Response 35Hz - 35kHz (-10dB)

1.11 Specification for Card Reader

High speed transfers from solid state memory card support for camcorder.
Read speeds of approx. 440 MBps from latest solid state memory card. Write speeds of approx. 350 MBps to latest Pro+ cards.
Compatible with Windows and Mac operating systems
USB 3.0 and USB 2.0 transfers
Support for solid state memory card for camcorder.
Memory Card: Support for solid state memory card for camcorder
Interface: Express Card/34, PCI Express Gen2
Read speed: 3.5Gbps (=440MB/s)
Write Speed: 3.2Gbps (=400MB/s)
Minimum Write Speed: 1.3Gbps
Capacity: 64GB**: 128GB**: 256GB**:
Weight: Approx.27g
Dimension (W x H x D): Approx.34 x 5 x 75 mm (excluding the projecting parts)

1.12 Specification for Ear Phone

A complete ear set. It includes RTV-04, CMT-98, ET-4, cord, & ¼" plug

1.13 & 1.14 Specification for Connectors

BNC Connectors with Boots- Broadcast Grade
3-Pin XLR (M/F) Connectors- Broadcast Grade

1.15. & 1.16 Specification for Table with raised platform and Chroma base with stand

1. Anchor table – Three seater made of ISI mark 19 MM ply Topped with acrylic sheet from out side and sunmica/ Plastic paint from inside protruding high resolution IP College Logo or hi res graphic fitted on transparent acrylic sheet from front and LED light strip on circumference all around the logo and across the Table. Table should clampable and movable wheel.
2. Chroma set - A chroma set is to be provided measuring 10x18 feet extendable further 10 feet on studio floor for complete chroma keying. Fabric to be fitted on top of MDF board to be fitted on wall and studio floor raised by 3Inch from the floor using double layer adhesive first for 4mm Foam and second for the fabric on the floor. The cost should be quoted with dismantling the existing cyclorama portion. Interested vendors can make site inspection on any working day during the working hours.

3. LED Fresnel Light – 200 watt LED light complete with Fresnel lens , DMX controlled day light/ warm colour temperature fitted barn door, yoke, C Clamp and power chord.
4. LED Light Panel – Three feet x one and half feet DMX controlled day/warm light with diffuser fitted with barn door, yoke, C clamp and Power chord.
5. For LED Fresnel light and LED panel are to be fitted on existing Grid , vendor should take care for additional items required for making mounting provision

ANNEXURE – IV

STATEMENT OF DEVIATIONS

STATEMENT OF DEVIATIONS FROM TECHNICAL SPECIFICATION AND SCHEDULE OF REQUIREMENTS

Following are the Technical deviations and variations from the Technical specifications and schedule of Requirements. These deviations and variations are exhaustive. Except these deviations and variations, the entire work shall be performed as per your specifications and documents.

Sl. No.	Item	Statement of Deviations/ Variations

Yours faithfully

(Signature of the Bidder, with Official Seal)

Note: The format may be printed on the letter head of the firm/service provider.

Authorization Certificate from Manufacturer/Principal Firm on their letterhead in favour of bidder

To,
The Principal
Indraprastha College for Women
University of Delhi
31, Sham Nath Marg
Delhi – 110 054

Subject: -

Ref. IPC E-Tender No.: -

Dear Madam,

We hereby certify that M/s located at is our Authorized Distributor/Dealer for the product(s) for which Indraprastha College for Women has floated e-Tender on the subject above. Further, M/s is authorized to participate in tenders, quote, negotiate & raise invoice of these goods/services on our behalf. This authorization is valid up to after which it is subject to renewal.

Yours faithfully,

(Signature)

(Name & Designation)

(Company Seal)

Date:

Place:

(Note: This certificate should be on the Letter-Head of the manufacturer/principal firm concern, and should be signed by an authorized person)

Manufacturing/Proprietary Certificate

Ref: No.

Date.....

To
The Principal
Indraprastha College for Women
University of Delhi
31, Sham Nath Marg
Delhi – 110 054

Subject:

Tender Ref. No.

Dear Madam,

We, M/s who are a proven and reputable manufacturer of
..... products, having factories at do
confirm that the following items are manufactured by us:

.....
.....
.....
.....

Yours faithfully,

(Signature)

(Name & Designation)

(Company Seal)

Date:

Place:

PERFORMANCE STATEMENT PROFORMA

(If similar equipment supplied elsewhere during the last five years)

Tender Reference No.	
Date of opening	
Name and address of the Tenderer	
Name and address of the manufacturer	

Order placed by (full address of purchaser)	Order number and date	Description and quantity of ordered goods and services	Value of order (INR/FC)	Date of completion of contract		Remarks indicating reasons for delay if any	Have the goods been functioning satisfactorily (attach documentary proof)*
				As per contract	actual		
1	2	3	4	5	6	7	8

Yours faithfully

(Signature of the Bidder, with Official Seal)

*The documentary proof will be a certificate from the consignee/ end user will cross-reference of order no. and date in the certificate along with a notarized certification authenticating the correctness of the information furnished. If at any time, information furnished is proved to be false or incorrect, the earnest money furnished may be forfeited.

Note: The format may be printed on the letter head of the firm/service provider.

MAINTENANCE OF INFRASTRUCTURE FACILITIES

Location	Address of Service Centre	Name of The Contact Person with Tel No., Fax No. & E- Mail	Total No. of Qualified Service Engineers	Remarks

Yours faithfully

(Signature of the Bidder, with Official Seal)

Note: The format may be printed on the letter head of the firm/service provider.

FORMAT FOR FINANCIAL BID SUBMISSION

I/We, (authorised person/s of the firm) carefully read, understand and accept all the terms & conditions of the e-Tender No. **IPC/PUR/MMMC/2019/49/07 dated 12.07.2019** floated by the Principal, Indraprastha College for Women, University of Delhi, 31, Sham Nath Marg, Delhi – 110054. I/We am/are submitting herewith our rates for the following items: -

Financial Bid to be submitted as per BOQ

S. No.	Description of Items	Quantity	Rate Per Unit in Figures (Rs.)	Total rate in Figures (Rs.)
1	Multi Camera Studio Setup (Supply, Installation, Testing and Commissioning)			
1.01	Video Camera	4	Financial Bid to be submitted as per BOQ	
1.02	Digital Video Switcher	1		
1.03	Audio Mixer	1		
1.04	Telepromptor	1		
1.05	Tripod	4		
1.06	LED Multi Viewer Screen	1		
1.07	17-Inch Full HD Professional SDI Monitor	1		
1.08	Talk Back Headphones	5		
1.09	Video Recorder-HD	1		
1.10	Tower Speaker	1		
1.11	Card Reader	3		
1.12	Ear Phone	1		
1.13	BNC Connectors with Boots	100		
1.14	3-Pin XLR (M/F) Connectors,	50		
1.15	Table with raised platform	1		
1.16	Chroma base with stand	1		

Date:

Place:

Authorised Signatory
Seal of the Firm/Service Provider

Note: The format may be printed on the letter head of the firm.

FORMAT FOR PROVIDING CMC/AMC CHARGES FOR 5 YEARS AFTER WARRANTY

YEAR	CMC CHARGES (in INR)	AMC CHARGES (In INR)
Ist		
IIInd		
IIIrd		
IVth		
Vth		

GST No. _____

GST % _____

I hereby declared that the particulars given are correct and complete.

Authorized Signatory with Rubber Stamp.

Note: The format may be printed on the letter head of the firm/service provider.

GENERAL INSTRUCTION

- 1) The tender must be submitted in two bid system i.e. (i) Technical bid (ii) Financial bid
- 2) Bids shall be submitted online only at CPP portal: <https://eprocure.gov.in/eprocure/app>.

- 3) Bidder/Tenderer are advised to follow the instructions provided in the „Instructions to the Bidder/Tenderer“ for the e-submission of the bids online through the Central Public Procurement Portal for e-procurement at <https://eprocure.gov.in/eprocure/app>.
- 4) Bid documents may be scanned with 100 dpi with black and white option which helps in reducing file size of the scanned document.
- 5) Tenderer who has downloaded the tender from the Indraprastha College for Women website www.ipcollege.ac.in and Central Public Procurement Portal (CPPP) <https://eprocure.gov.in/eprocure/app>, shall not tamper/modify the tender form including downloaded price bid template in any manner. In case if the same is found to be tempered/modified in any manner, tender will be completely rejected and EMD, if any would be forfeited and tenderer is liable to be banned from doing business with University of Delhi.
- 6) Intending tenderers are advised to visit Indraprastha College for Women website www.ipcollege.ac.in and CPP Portal <https://eprocure.gov.in/eprocure/app> regularly or at least 3 days prior to closing date of submission of tender for any corrigendum / addendum/ amendment.
- 7) The bidders are advised to visit Studio/Site to assess the exact nature of work, its quantity, and location etc. before submitting the tender on any working day between 10 A.M to 5 P.M with prior permission from the College

FINAL DECISION-MAKING AUTHORITY

Indraprastha College for Women reserves the right to accept or reject any bid and to annul/cancel the process and reject all bids at any time, without assigning any reason or incurring any liability to the bidders. No claim whatsoever will be entertained/paid by the College to the bidder(s).

REJECTION OF TENDER

- 1) If the bidder proposes any alteration in or additions to the prescribed form of tender or any conditions mentioned, etc., tender is liable to be rejected.
- 2) If the signed acceptance letter is not submitted by the bidder, tender is liable to be rejected.

TERMS OF PAYMENT

PAYMENT MODE: After the issue of Purchase Order, the firm has to submit the bill in original. The Payment will be released though RTGS/NEFT after installing, satisfactorily working of the equipment as such participating firms are requested to submit bank details for this purpose.

INSTRUCTIONS FOR ONLINE BID SUBMISSION

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>

REGISTRATION

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “Online bidder Enrolment” on the CPP Portal which is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.

- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC"s to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

SEARCHING FOR TENDER DOCUMENTS

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective „My Tenders" folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing file size of the scanned document.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" or „Other Important Documents"" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

- 1) Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.

- 3) Bidder has to select the payment option as “offline” to pay the tender fee / EMD (if applicable) and enter details of the instrument accordingly.
- 4) Bidder should prepare the EMD (if applicable) as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.
- 5) Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable.
- 6) The server time (which is displayed on the bidders” dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 7) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the Secured Socket Layer 125-bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers' public keys. Overall, the uploaded tender documents become readable only after the tender is opened by the authorized bid openers.
- 8) Upon timely and successful submission of bids (i.e. after Clicking “Freeze Bid Submission” in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 9) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS

- 1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- 2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

TERMS & CONDITIONS

TERMS & CONDITIONS TO SUBMIT TENDER FOR SUPPLYING, INSTALLING, TESTING, COMMISSIONING, DEMONSTRATION AND TRAINING OF INSTRUMENTS/EQUIPMENTS AT INDRAPRASTHA COLLEGE FOR WOMEN, DELHI.

IMPORTANT Note: These Terms & Conditions duly signed by the tenderer must be accompanied with each tender. Otherwise the tender will not be considered. By signing the document, the bidder shall be deemed to have accepted the terms & conditions.

- 1) Tenderers are requested to submit tender under **two bid systems** i.e. (i) Technical Bid & (ii) Financial Bid
- 2) **EMD / Bid Security** amounting to **Rs. 3,00,000/-** is to be deposited by the tenderer in the form of Demand Draft /Banker"s Cheque from any Commercial Bank payable at Delhi in favour of "Indraprastha College for Women". Without EMD / Bid Security bid will be summarily rejected.
- 3) **Forfeiture of EMD / Bid Security**
 - (a) In case of failure to supply the order.
 - (b) In the event of withdrawal of the tender within the original validity period.
 - (c) Submitting false, incorrect and misleading information and any mistakes, miscalculations in the bid.
- 4) Exemption from depositing bid security in accordance to existing government orders will be considered if requested in writing and supported with valid necessary documents.
- 5) EMD / Bid Security will be released to the unsuccessful tenderers, after finalization of the tender. No interest on EMD / Bid Security is admissible.
- 6) EMD / Bid Security should reach the Principal, Indraprastha College for Women, University of Delhi, 31, Sham Nath Marg, Delhi-110054 before end date and time of bid submissions. Bidders however have to attach scanned copy of EMD / Bid Security document along with the Technical Bid.
- 7) The successful tenderer will have to submit the security deposit/performance security @ 10% of the total order value in the form of Demand Draft / Bank Guarantee /Banker"s Cheque / FDR of equivalent amount drawn on any Commercial Bank payable to Principal, Indraprastha College for Women. The Security Deposit shall be valid till the expiry of the contract period.
- 8) The tenders must fill the details/ prices clearly in the financial bid, if there is a discrepancy between words and figures, the amount in words will prevail at the time of opening of price bid.
- 9) The tenderers must quote only one model of equipment as per our specifications along with brochure and pamphlets etc. of the quoted model. Tenderers should not quote optional accessories. The offers submitted as Option-A, Option -B or C will not be considered and such offers submitted in the form of multiple offers will be summarily rejected.
- 10) **(A) The Technical Bid** should be accompanied with complete specifications, compliance statement as per the tender specification, Technical Literature/Brochures, Registration of Firm/Company, Authorization letter from Mfg., EMD, up to date IT & GST clearance certificate, list of users/customers, period of delivery, guarantee/guarantee after sale, AMC beyond guarantee period, proof of DGS&D/NSIC approved supplier, validity of rate quoted, country of origin, terms and conditions the tender paper duly signed and sealed by the tenderer etc.
(B) In the price bid, the unit cost of the instrument/equipment, % of discount allowed, % of agency commission charges, % of GST, Entry Tax, Custom Duty, Transportation, Installation, Insurance, Training charges or any other taxes as applicable should be clearly indicated. The final tender value (grand total) should be computed for comparison.
- 11) The bidder who submits the tender on behalf of their principals should produce documentary evidence in support of their authority to quote or submit proforma invoice of their principals. No sub-authorization is permitted.
- 12) The tenderers may be required to demonstrate the quoted model of the equipment during the technical evaluation, if required, failing which their bids/offers shall be rejected. The firms are intimated that they should get ready for demonstration and only one-week time will be allowed. The demonstration, if required, must be arranged at Indraprastha College for Women.
- 13) Details regarding terms of payment must be mentioned clearly.
- 14) Details of onsite warranty, agency who shall maintain warranty and undertake Annual Maintenance Contract/Comprehensive Service Maintenance Contract beyond warranty shall be given in the offer. Details of services rendered as well as after sales services offered are to be made clear in the technical bid.
- 15) The supply of spare parts is to be guaranteed at least for a **five years**.

- 16) Indicate the names of the reputed Indian Organizations where similar equipment was supplied and may attach the satisfactory performance report of the equipment from user organization.
- 17) The Tenderer is required to furnish the Permanent Account Number (PAN) allotted by the Income Tax Department. If registered with the National Small Industries Corporation, the registration number, purpose of registration and validity period of registration etc. should also be provided in Technical Bid.
- 18) The Tenderer has to state in detail regarding the Electrical Power/UPS requirements, floor space, room foundation needed and also to state whether Air-conditioned environment is needed to house the system etc. and to run the test i.e. pre-installation facilities required before installation in the technical bid.
- 19) Cost of the items should be mentioned clearly in the Financial Bid. Packing, Forwarding, freight & Insurance and commissioning Charges, if any extra, may be quoted separately in Price Bid.
- 24) Discount offered, if any, should also be mentioned clearly in the Price Bid only.
- 25) The Tenderer's conditions printed on the tender or otherwise sent along with the tender shall not be binding on Indraprastha College for Women. The terms & conditions of this document shall prevail.
- 26) The College will make payment after receipt of consignment in good condition and satisfactory installation, commissioning, training thereof.
- 27) Supply means, "Supply, Installation, Commissioning, Demonstration of the whole system and training". If any charges extra for Installation, Commissioning and training, the same should be specified in the price bid.
- 28) The item should be supplied with manuals and the manuals including technical drawings should be complete in all respects to operate the system without any problem. If the manuals are on chargeable basis, the same should be specified in the Price Bid.
- 29) Tenders may be rejected if the copy of Goods and Services Tax (GST) Registration and any other applicable Taxes Registration are not furnished (if applicable).
- 30) In case of Indigenous Items, the offer should contain the Basic Price and percentage of GST should be shown separately.
- 31) **PAYMENT:** 100% payment will be made after supply, installation & satisfactory demonstration of the said equipment.
- 32) **Delivery Period:** As time is the essence of the contract, Delivery period mentioned in the Purchase Order should be strictly adhered to. Otherwise the tenderer's EMD/Bid Security will be forfeited.
- 33) **INSTALLATION:** The equipments are required to be installed at Indraprastha College for Women, Delhi
- 34) The tender/quotation/offer submitted should be valid till 120 days from the date of opening of quotations (price bid). Indraprastha College for Women reserves the right to request the firms for the extension of the validity of quotation.
- 35) **WARRANTY/GUARANTEE:** The equipment is to be guaranteed for trouble free performance for a minimum period of **five years**. Further, the technical specifications and requirements may also be verified and quoted accordingly.
- 36) Kindly mention the charges for AMC/CMC separately for Five years after the expiry of the warranty in Price Bid. The rates quoted for AMC /CMC will not be considered for ascertaining the L1 firm.
- 37) No sub-contracting will be allowed for installation or maintaining system/equipment/instrument during or after warranty period.
- 38) Tenders, which are submitted without following the Two-Bid offer System, Late/Unsigned/incomplete Tenders, Conditional Offers and tenders submitted by Fax/Email/Telegraphic/Telex, will be summarily rejected.
- 39) Repairs should be carried out within 24 Hrs. Replacement scope should be provided for repairs beyond 24Hrs. duration.
- 40) Goods should not be dispatched until the Vendor receives a firm order.
- 41) Please indicate page nos. and put your seal on all pages of quotation.
- 42) The technical bid shall not contain any indication of the price offered for the item for which tender is given by the vendor. In case it is found that the technical bid contains the price for the item or any direct or indirect indication of it, the entire bid document will be summarily rejected.

- 43) While tenders are under consideration, the tenderers and their representatives or other interested parties shall refrain from contacting by any means, any persons or representative of the buyer on matters relating to the tender under study.
- 44) After Opening of Price Bid(s) no letter/objection will be entertained and decision of the Indraprastha College for Women shall be final.
- 45) All disputes are subject to exclusive jurisdiction of Competent Court and Forum in Delhi, India only.
- 46) The Principal, Indraprastha College for Women, Delhi reserves all the rights to accept or reject any/all tender in full or in part without assigning any reason.

To
Principal
Indraprastha College for Women
University of Delhi
31, Sham Nath Marg
Delhi – 110054

I/We agree to abide by all the Terms & Conditions mentioned above.

Signature of the Tenderer

Date:

Name & Address of the Firm with Seal:
(Phone/Fax No./E-mail id may also be stated for easy communication)