



श्री लाल बहादुर शास्त्री राष्ट्रीय संस्कृत विद्यापीठ

SHRI LAL BAHADUR SHASTRI RASHTRIYA SANSKRIT VIDYAPEETHA

(Deemed University of MHRD, Govt. of India u/s 3 of UGC Act, 1956)

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F. No. F.11 (32)/LBS/CC/VCR/2016-17/1192

Date:-09.02.2018

TENDER NOTICE

Sealed item rate tenders (in two bid system) on QCBS Criteria are invited for the under mentioned work/Supply from the eligible manufacturers/their authorised dealers and specialized agencies who fulfill the eligibility criteria as under:

- The firms must have executed two similar natures of work each of value not less than 60% of the estimated cost on similar work of value not less than 80% in the Government/Semi Government/Autonomous Organization/University System. Similar and specialized work means, the work of SITC of Up-Gradation of Virtual e-Class Rooms Studio.
- The Memorandum Of Understanding from the Head Office of the manufacturers i.e (OEM) that the items/Systems required under this tender shall be provided by them to the tenderer within specified time frame.

The tender document will be issued to only those agencies which have a definite proof of execution of similar works as mentioned above.

N.I.T No.	Name of Work	Estimated cost (INR)	Earnest Money (INR)	Time Allowed	Tender Cost (in INR) (Non-Refundable)
11/17-18 /LBSU/CC	S/I/T/C work of Up-Gradation of Virtual e-Class Room Studio of the Vidyapeetha at New Delhi.	Rs.2498500/-	Rs.49970/-	45 days	Rs.1000/-

1. The last date & time of receipt of applications : 22.02.2018 up to 1.00 PM
2. Last date & time of issue of tender document : 23.02.2018 up to 4.00 PM
3. Last date & time for Submission of queries : 26.02.2018 up to 1.00 PM
3. Date & Time of Pre-bid Meeting : 27.02.2018 up to 3.00 PM
4. The last date & time of receipt of tender : 05.03.2018 up to 3.00 PM
5. Date of opening of Technical Bid : 05.03.2018 at 3.30 PM
6. Demonstration by the technically qualified bidders: From 07.03.2018 to 08.03.2018 at 2.30pm
7. Date of opening of commercial Bid : 08.03.2018 at 3.30 PM
8. The Earnest money should be deposited along with the tender document in appropriate form in favour of "Registrar, Shri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeetha" Payable at New Delhi, in a separate sealed cover clearly indicating the EMD.

contd.....2

9. The successful tenderer shall be required to submit a performance guaranty of 5% of the Tendered amount in the form of Bank guarantee of FDR/DD from a Nationalized/Scheduled bank within 10 days of issue of letter of intent before award of work. In case of failure by the firm to submit the Bank guarantee within specified period, full earnest money will be forfeited and the tender shall be treated as void. The performance guarantee shall be initially valid upto the stipulated date of completion plus 60(sixty days) beyond that.
10. The Vidyapeetha reserves the right to reject any or all the tenders without assigning any reason.
11. The Vidyapeetha reserves the right to verify the particulars furnished by the applicants independently and confidentially.
12. For details please see our website: <http://www.slbsrsv.ac.in> and CPPP portal of NIC.



REGISTRAR

SHRI LAL BAHADUR SHASTRI RASHTRIYA SANSKRIT VIDYAPEETHA

LIST OF ITEMS REQUIRED FOR UP-GRADATION OF VIRTUAL e-CLASS ROOM STUDIO

S. No.	Items	Quantity	Remarks
1.	Full HD PTZ Camera	2	
2.	PTZ Camera Remote Controller	1	
3.	Virtual Studio System	1	
4.	Video Switcher (HD/SSD) with minimum 06 input two Multi Viewer Output with CG interface	1	
5.	HD Video Recorder(SSD) With Inbuilt Video Monitor	1	
6.	HDMI Distributor	2	
7.	Up/Down multi format Cross Converter	2	
8.	Motorized Chroma Screen	1	
9.	Wireless Lapel Mic.	1	
10.	i-Mac with Final Cut Pro Video Editing Software(Latest Version)	1	
11.	LED Cool Lights with Diffusers, dimmer controls and stand for two lights.	5+2(7)	
12.	Studio Monitor(Powered)	2	
13.	Cables and Connectors (All required)	1 lot	
14.	Installation, Commissioning and Training	One set	

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LIST OF ITEMS REQUIRED FOR UP-GRADATION OF VIRTUAL e-CLASS ROOM STUDIO

S. No.	Items	Configuration/Specification	Quantity
1.	Full HD PTZ Camera	Type : 1/1.8", 1/2.3", 1/2.8" EXMOR / MOS / CMOS or better Full HD PTZ Camera with integrated pan-tilt support. Lens : Optical Zoom 20X or more Effective min. Pixels (1920x1080) Focus : Switching between auto and manual, IRIS: Auto/manual White balance : Auto/ Manual Horizontal resolution : Approx. 1000 TV Lines or better Output: HD-SDI transmission of Full HD video. Should Support either IP based remote camera control and browser control or Visca Should include ceiling/wall mount kit for camera.	2
2.	PTZ Camera Remote Controller	Protocol: IPv4/RS-422/ RS-432/software control with compatible touch screen or panel of min 20" size / Visca should support up min. 15 Mtr. of cable distance from one camera to Controller. Connection : Min. 4 cameras or more Adjustment functions : Pan /tilt, Zoom , Focus (Auto / manual), Iris (Auto/manual), Gain, Pedestal, white balance, (Auto ,R/B Gain), Black balance (Auto, R/B pedestal,) Present Memory : up to 30	1
3.	Virtual Studio System	Virtual Studio- with Hardware Control Panel- Minimum 50 HD virtual sets, 3 inputs 2-SDI & 1-HDMI aux input 5 in-1 Trackless Virtual Studio system should have built in CG/and H.264 recording. Video Resolution-1080/25P, 1080/25i, 1080/ 50i, 720/50P should upload directly in PAL/NTSC Video etc. on Youtube & Facebook Minimum 02 multi viewer on HDMI/ HD-SDI and should have embedded audio output in HD-SDI Program output.	1
4.	Video Switcher (HD/SSD) with minimum 06 input two Multi Viewer Output with CG interface	Input: HD/SD Digital Video Switcher with 6 or more HD/SD-SDI, 2 x HDMI inputs, Output: 2x HDMI and 4x Assignable SDI and 2x PGM SDI, 1x DSK support Lumakey & Linear key (Key / Fill) and Character generator should be inbuilt for tickers, logo etc. Chroma Key should be inbuilt or to be supplied separately. Overlay and audio delay, if it is not inbuilt, it should be supplied separately.	1
5.	HD Video Recorder(SSD) With Inbuilt Video Monitor	SSD Disk Recorder System SDI /HDMI input. HD/SD-SDI Recorder, Time Code input, SDI/HDMI output with Embedded Audio, Support better than 125 Mbps HD-SDI 4:2:2 sampling, record, MOV, Pro Res, 2x SSD/1x SSD (Minimum 240GB) for SD and HD recording with Docking cable.	1
6.	HDMI Distributor	1 x 4 out HDMI Distributor Professional class	2

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7.	Up/Down multi format Cross Converter	Up to 1080 50p / 59.94p/60p) supporting 3G /HD/SDI/HDMI/VGA to connect HDMI/VGA from computers and take HD-SDI to the switcher with area of region and resolution (576i, 1080i50) adjustable.	2
8.	Motorized Chroma Screen	SIZE: 12 ft. X 8 ft. Mat finished green	1
9.	Wireless Lapel Microphone	UHF wireless lapel mic unidirectional system with belt pack transmitter and rack mount type receiver. (Minimum 6 Channel) <ul style="list-style-type: none"> - Receiver should support balanced / unbalanced outputs - The Transmitter should operate on AA Size batteries. - RF Power 10 mw or better - The working range between transmitter and receiver should be minimum 30 mtr. 	1
10.	i-Mac with Final Cut Pro Video Editing Software(Latest Version)	27-inch (diagonal) Retina 5K display 3.4GHz quad core Intel Core i5 (Turbo Boost up to 3.8GHz) 16 GB(8*2) DDR4 memory , 1TB Fusion Drive Radeon Pro 570 with 4GB of VRAM Thunderbolt 3 digital video output, OS and Final Cut Pro video editing latest version software preloaded (licensed)	1
11.	LED Cool Lights with Diffusers, dimmer controls and stand for two lights.	LED COOL LIGHTS (80/120 watt) Bicolour 3200K & 5600K dimmer facility with filters (Soft). > 1500 lumens from 2 meter, driver efficiency more than 90%. 4 Leaf Barn Door with sufficient cable length and Stand for two lights for in/outdoor use AC/DC operates with batteries and charger and carrying case (soft).	5+2(7)
12.	Studio Monitor (Powered)	Maximum Output 60 Watt RMS, 1 x XLR, balanced 1 x ¼ " TRS, balanced 1 x RCA, unbalanced, 1" tweeter 5.25" woofer, frequency response 65 Hz to 18 kHz or better, Maximum 100 dB SPL @ 1 m or better.	2
13.	Cables and Connectors	1 lot, all required cables and connectors for this project. preferred make : Belden, klotz, Extron, Krammer, Canare, Aero, Tuskar, Neutrik	One Lot
14.	Installation, Commissioning and Training	Installation materials like cables, connectors, adapters, special devices, compulsorily from reputed and proven OEMs only, One week (7 working days) of onsite training for operating staff	One set

NOTE: To make the project operational, the bidder must supply all mandatory software and hardware along with the total system.