



EDUCATIONAL MULTIMEDIA RESEARCH CENTRE
University of Kashmir



GeM bid for Supply of 4k Production Equipment

Educational Multimedia Research Centre (EMRC), University of Kashmir, Hazratbal, Srinagar, invites GeM BOQ bid for SITC for 4k Production Equipment from registered GeM bidders in two-bids system as per schedule of dates given below:

1	Date of Issue of bid	09.2.2026
2	Period of downloading of bidding documents	09.2.2026 6 PM
3	Bid submission Start Date	10.2.2026 10 AM
4	Bid submission End Date	26.2.2026 1 PM
5	Date & time of opening of Technical Bid (Online)	26. 2.2026 at 4 PM
6	Date & time of opening of Financial Bid (Online)	To be Communicated

Terms & Conditions:

1. All bidders shall upload Copies of original documents defining constitution/ legal status, place of registration and principal place of Business with Cell No. & correspondence address. Bidders must have functional Service Centre in the UT of J&K.
2. All bidders shall upload Scanned copy of GSTIN registration and latest clearance certificate FORM GST-3B of the last quarter/preceding Month to the Issuance of NIT.
3. The Lowest bidder L1 also called the successful Bidder has to produce a performance security amount equal to 2% of the contract value in the shape of PBG pledged to Director, EMRC, University of Kashmir immediately after the opening of financial bids, but prior to fixation of contract. The same shall be released after the successful completion of the Defect Liability Period (DLP). However the EMD/CDR shall be released after issuance of formal PO. The DLP shall be Calculated from date of certified completion of work and period shall be 6 months.
4. The bids for the work shall remain valid for a period of 40 days from the date of opening of Technical bids.
5. The bidder must mention Make/Model clearly in the bid and compliance with this tender document.
6. The rates quoted by the bidder shall be firm and final and inclusive of all taxes and duties. Nothing shall be paid extra. No escalation of whatsoever nature shall be

payable.

7. On acceptance of tender and its communication to the successful bidder, the same shall be binding upon the party.
8. In case the agency fails to execute the work, the performance security in the shape of CDR/FDR/BG and normal deposit shall be liable for forfeiture besides initiating other punitive actions against the defaulter without serving any notice.
9. EMRC reserves the right to either increase/decrease the quantity of any item as well as can drop the item altogether. Also, EMRC reserves the right to alter/modify the scope of work mentioned in this RFP document at any state of the bidding process and contract as per the requirements on site.
10. EMRC also reserves the right to negotiate with potential bidder/s so that its best interest to fulfill the need of project is served.
11. Bidders are requested to quote their best possible prices with minimum profit margin & offer special discount on quoted price, as the setup is strictly required for educational purpose only.
12. Courts of J&K shall have the exclusive jurisdiction.

Evaluation Criteria:

The broad guidelines for evaluation of Bids will be as follows:

- i. Only those Bids will be evaluated which are found to be fulfilling all the eligibility and qualifying requirements of the Bid/ATC, both technically and commercially.
- ii. The technical bids forwarded by the Bidders will be evaluated by the Buyer with reference to the technical specifications of the equipment/items/services and terms & conditions as mentioned in the Bid. The compliance of Technical Bids would clear the technical evaluation.
- ii. The Lowest Bid will be decided upon the lowest price of overall contract value quoted by the particular Bidder including GST after reverse bid.
- v. The Lowest Acceptable Bid will be considered further for placement of contract/ services after complete clarification and price negotiations as decided by the Buyer.

Bill of Materiel:

S.No	Item	Qty	Unit
1	AV Switcher	1	No.
2	Professional Monitor	2	No.
3	Professional Disks	300	No.

Specifications:

AV Switcher	
Video Processing	4:4:4 (Y/Pb/Pr), 10-bit
Input Connectors	Minimum 6 Nos. (HDMI--4 Nos. & SDI----2 Nos.)
Output Connectors	5 Nos. (HDMI----3Nos, SDI---1 No.) Multiview HDMI---1 No.
HDR	4K HDR
Color	Supports Rec.2020—the highest-specification Wide Color Gamut (WCG)
Cinema Resolution	Support for DCI Cinema 4K Resolution
PTZ Camera Control	Yes compatible PTZ camera Pan, Tilt, Zoom control over VISCA.
INPUT FORMAT	
HDMI	HDMI; 720/50p, 720/59.94p, 1080/50i, 1080/59.94i, 1080/50p, 1080/59.94p, 2160/50p (UHD 4K), 2160/59.94p (UHD 4K), 2160/50p (DCI 4K), 2160/59.94p (DCI 4K)
HDMI PC INPUT FORMAT	1024 x 768/60Hz (XGA), 1280 x 768/60Hz (WXGA), 1280 x 1024/60Hz (SXGA), 1400 x 1050/60Hz (SXGA+), 1600 x 1200/60 Hz (UXGA), 1920 x 1080/30 Hz (FHD), 1920 x 1080/60 Hz (FHD) 1920 x 1200/60 Hz (WUXGA) 3840 x 2160/24 Hz (UHD 4K), 3840 x 2160/30 Hz (UHD 4K), 3840 x - 2160/60 Hz (UHD 4K) 4096 x 2160/24 Hz (DCI 4K), 4096 x 2160/30 Hz (DCI 4K), 4096 x -2160/60 Hz (DCI 4K)
SDI	1080/59.94i, 1080/50i, 1080/59.94p, 1080/50p, 2160/59.94p (UHD 4K), 2160/50p (UHD 4K), 2160/59.94p (DCI 4K), 2160/50p (DCI 4K)
Still Image	Bitmap File (.bmp), Maximum 4096 x 2160 pixels, 24-bit per pixel, uncompressed, PNG File (.png), Maximum 4096 x 2160 pixels
OUTPUT FORMAT	
HDMI VIDEO	1080/50p, 1080/59.94p, 2160/50p (UHD 4K), 2160/59.94p (UHD 4K), 2160/50p (DCI 4K), 2160/59.94p (DCI 4K)
HDMI PC OUT	1920 x 1080/30Hz (FHD), 1920 x 1080/60Hz (FHD) 3840 x 2160/30Hz (UHD 4K), 3840 x 2160/60Hz (UHD 4K) 4096 x 2160/30Hz (DCI 4K), 4096 x 2160/60Hz (DCI 4K)
SDI OUT	1080/59.94p, 1080/50p, 2160/59.94p (UHD 4K), 2160/50p (UHD 4K), 2160/59.94p (DCI 4K), 2160/50p (DCI 4K)
Video Effects	Mix, Cut, Wipe (9 patterns) PinP, Key, PinP + Key DSK: PinP, Key, PinP + Key Output Fade, Output Freeze, Output Capture Luminance Key, Chroma Key
Audio Processing	24 bits/48 kHz
Audio formats	SDI IN/OUT: Linear PCM, 24 bits/48 kHz, 16 ch (Conforms to SMPTE 299M) HDMI IN/OUT: Linear PCM, 24 bits/48 kHz, 2 ch
Input Connectors	AUDIO IN L/R connectors: XLR (balanced)
Output Connectors	AUDIO OUT L/R connectors: XLR (balanced) PHONES jack: Stereo miniature phone type

Input Level	AUDIO IN L/R: +4 dBu (Maximum: +24 dBu)
Input Impedance	AUDIO IN L/R: 15 k ohms
Nominal Output Level	AUDIO OUT L/R: +4 dBu (Maximum: +24 dBu) PHONES: 92 mW + 92 mW (32 ohms)
Output Impedance	AUDIO OUT L/R: 600 ohms PHONES: 10 ohms
Audio Effects	Matrix mixer Delay (1 ms units, max 500 ms) Test tone outputOthers
Other Connectors	USB MEMORY port: USB A type (for USB flash drive) RS-232 connector: DB-9 type (Male) (for Remote Control) LAN port: RJ45 type, 100BASE-TX (for Remote Control) TALLY/GPI port: DB-25 type (Female) (Tally: 16, GPI: 8)

Professional Monitor	
Panel	α -Si TFT Active Matrix LCD
Resolution (H x V)	3840 x 2160 pixels
Aspect	16:09
Pixel efficiency	99.99%
Display colours	Approx. 1.07 billion colours
Panel frame rate	Hz / 50 Hz / 60 Hz
Viewing angle (panel specification)	89°/89°/89°/89° (up/down/left/right contrast > 10:1)
Normal scan	0% scan
Underscan	3% underscan
Colour temperature	D60, D65, D93, DCI*1, and user 1-10 (5,000 K to 10,000 K adjustable)
Luminance panel	1000 cd/m ² *2
SDI INPUT	(12G/6G/3G/HD-SDI) BNC (x2), (3G/HD-SDI) BNC (x2), Input impedance: 75 Ω unbalanced
HDMI Input	HDMI (HDCP2.3/1.4) (x1)
Parallel Remote	RJ-45 8-pin (x1) (Fixed pin assignment)
Serial Remote (LAN)	Ethernet, 10BASE-T/100BASE-TX RJ-45 (x1)
DC Input	XLR-type 3-pin (male) (x1), DC 22 V to 32 V
USB input	USB (USB2.0) connector (x1)
Enhanced Monitor Output*4	(12G/6G/3G/HD-SDI) BNC (x1), Output impedance: 75 Ω unbalanced
SDI Output	(12G/6G/3G/HD-SDI) BNC (x2) , (3G/HD-SDI)
	BNC (x2) , Output impedance: 75 Ω unbalanced
Audio Monitor Output	Stereo mini jack (x1)
Speaker (Built-in) Output	2.0 W+2.0W (Stereo)
Headphone Output	Stereo mini jack (x1)
Professional Disks	
Capacity	23GB
Data Transfer Speed	86 Mbps or better
Disk Type	Re-Writable
Estimated shelf life (years)	50 or more
Track pitch (um)	Up to 0.32
Laser wavelength blue violet (nm)	405.0
Storage Condition	-10 up to 55 Degree C

The tender/bid is liable to rejection if it does not fulfill the requirements as laid down in NIT. Further details can be obtained from the office of the undersigned on any working day.

Sd/-
Dr. Salima Jan
Director

No.3/EMRC/KU/PCR/2025-26
Dated: 11-2-2026

Copy to:

- ❖ **Public Relation Officer, University of Kashmir, for wide publicity through press;**
- ❖ **Director, IT&SS, with the request to please put it on the University website;**
- ❖ **EMRC website;**
- ❖ **Master/Office file**

