

University of Delhi
VASUNDHARA ENCLAVE, DELHI-110096
Email: - info@mac.du.ac.in

TENDER NO. MAC/MEDIA LAB/08

Dated: - 30.12.2021

(1) NOTICE INVITING TENDER

E-Tender document for Supply, Installation, Testing & Commissioning of Studio at Maharaja Agrasen College, Vasundhara Enclave, Delhi-110096

Maharaja Agrasen College invites online bids (under Two Bids System) for Supply, Installation, Testing and Commissioning of Studio at Maharaja Agrasen College, Vasundhara Enclave, Delhi-110096 with "Part-A" as Technical Bids and "Part B" as Financial Bids. The details are as follows:-

Estimated Value 82 lakhs (Approx.)

S.No.	Name of the Item	Qty.	Amount of	Tender Fee
			E.M.D.	
1	SITC of Handheld Camcorder	3	1.5 Lakhs	Nil
2	SITC of Tripod with Dolly			
	Heavy Duty Tripod Kit with Dolly	1		
	Light Weight Tripod Kit with Dolly	2		
3	SITC of Teleprompter	1		
4	SITC of Vision Mixer/ Production	1		
5	SITC of LED Display	6		
6	SITC of Converter SDI-HDMI	3		
7	SITC of Monitor Speaker	5		
8	SITC of Professional lavalier microphone	6		
9	SITC of Professional Headphone	4		
10	SITC of Ear Piece (Compatible with	3		
	Talkback system SN 11)			
11	SITC of Talkback System	1		
12	SITC of SPG & Video Router with power	1		
	supply for redundant operation			
13	SITC of Digital Glues: Distributer,	3		
	Embedder / Dembedder etc.			
14	SITC of HDD Recorder	1		
15	SITC of Desktop Computer for Editing	2	7	
	Machine			
16	SITC of Video Editing software	2		
17	SITC of Audio Editing Software	1	1	
18	SITC of Voice Over Equipment	1		
19	SITC of Studio Lights	12	1	
20	Installation Materials	Lot	1	



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21	SITC of Bar Chairs	5
22	SITC of Chairs	12
23	SITC of Air Conditioner (Cassette)	2
24	SITC of CCTV Camera with 8 Channel	8
	DVR	
25	SITC of Online UPS	1
26	Partition & Acoustics Work with interior	Lot
	as per attached layout	

Important Dates

Date of Publishing - 30.12.2021

Bid Document Download Start Date - 30.12.2021

Bid Submission Start Date (online) - 30.12.2021

Pre-bid meeting and Site Visit - 10.01.2022

Bid Submission End Date (online) - 20.01.2022

Date of Technical Bid Opening (online) - 21.01.2022

EMD Amount of Rs. 1.5 Lakhs to be submitted in the form of NEFT/RTGS.

The details of Account are as under: -

Account No. 481701213
 IFSC: - IDIB000M102
 Bank Name: - INDIAN BANK

• Beneficiary: - Principal, Maharaja Agrasen College

- Site Visit At the bidders expenses
- Manual bids shall not be accepted. The bid shall be submitted online only at Central Public Procurement Portal Website: http://eprocure.gov.in/eprocure/app
- The Competent Authority reserves the right to reject any or all the bids without assigning any reason thereof. The decision of the Competent Authority of the College shall be final and binding. The Competent Authority for reasons not to be recorded in writing may at its discretion foreclose the said tender and its decision shall be binding on all parties.

Principal (Offg.)



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(2) Terms and Conditions of the Tender

- 1. All offers should be written in the English and price should be written in both, figures and words. The tenderer shall certify that the rates being quoted are not higher than those quoted for any Govt. Deptt. or Institution or any organization during last one year.
- 2. The duly constituted committee appointed by the competent authority of the college reserves the right to select some items (in single or multiple units) and reject the others or all items mentioned in the Schedule. The same committee will also reserve the right to revise or alter the specifications before acceptance of any tender with prior notice on the College Website and Central Public Procurement Portal (CPPP) at www. eprocure.gov.in.
- 3. Incomplete tenders, amendments and additions to tender after opening are liable to be ignored and rejected.
- 4. The Bid shall be treated as a 2 Bid System. The Technical Bid will be considered for applicants whose Earnest Money Deposit (EMD) is found in order. Financial Bid shall be opened for those bidders who have qualified in Technical Evaluation.
- 5. **Changes/Amendment:** At any time prior to the deadline for submission of tender, the College may amend the tender documents by issuing addendum/corrigendum. The College shall have the right at any time, by written notice, in the form of an amendment order, to make any changes, if deems necessary, including, but not limited to, changes in specifications, design, delivery, testing methods, packing or destination. Price increase, extension of time for delivery and change in quantity shall not be binding on the college unless sufficiently justified by vendor and accepted by the college in a form of amendment/modified order issued and signed by the competent authority of the college.
- 6. **Bid Validity** Bids should be valid for a period of 90 days from the date of opening of price bid.
- 7. **Withdrawal of bids**: No bidder will be allowed to withdraw its bid in the interval between the deadline of submission of bids and expiration of period of bid validity. Withdrawal of bid during this period will result in forfeiture of the bidder's bid security (EMD) and other sanctions.
- 8. **OEM/Authorized Dealer/agents of Supplier:** when a firm sends quotation for an item manufactured by some different manufacturer, the firm is also required to attach, in its bid, the manufacturer's authorization certificate and also manufacturer's confirmation of extending the required warranty for that product.
- 9. **Bid Security:** Bid Security should remain valid for a period of 45 (Forty Five) days beyond the final bid validity period. The Bid Security can be submitted in the form of an account payee demand draft, fixed deposit receipt, or banker's cheque. The MSEs are provided tender documents free of cost and are exempted from payment of earnest money, subject to furnishing of relevant valid certificate for claiming exemption. A bidder's Bid Security will be forfeited if the bidder withdraws or amends its/his tender or impairs or derogates from the tender in any respect within the period of validity of the tender or if the successful bidder fails to furnish the required Performance Security within the specified period. Bid securities of the unsuccessful bidders shall be returned to them at the earliest after expiry of the final bid validity period and latest by the 30th day after the award of the contract. Bid Security shall be



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refunded to the successful bidder on receipt of a performance security.

- 10. **Performance Security:** On receipt of notification of award of supply/work order from the College, the successful Bidder within 14 days shall furnish the performance security at 5% of the cost of the Tender Award Value in the form of Bank Guarantee issued/confirmed from any of commercial bank in India in an acceptable form. Performance security should remain valid for a period of 60 days beyond the date of completion of all contractual obligation of the supplier, including warranty obligations. The Performance Security will be forfeited and credited to the college account in the event of a breach of contract by the contractor. It will be refunded to the contractor without interest, after he duly performs and completes the contract in all respects but not later than 60(sixty) days of completion of all such obligations including the warranty under the contract. Failure of the successful bidder to submit the performance security shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the college may make the award to the next lowest evaluated bidder on same rate or call for new bids.
- 11. **Terms of Payment:** 80% of the Tender Award value shall be released on submission of proof of delivery of complete equipment/stores (stores/consignee receipt), inspection report and on certification of satisfactory installation of the equipment at the consignee's premises and after "ensuring verification of the Performance Security" @ 5% of the Purchase Order value. Balance 20% of the payment shall be released upon successful Test run of the equipment at least for a month and after ensuring that already furnished Performance Security is valid for a period of 60 days beyond the date of completion of all contractual obligations of the bidder / supplier including comprehensive maintenance warranty obligations.
- 12. **Delivery Period**: The SITC should be completed at the designated place from the date of award of contract failing which .25 percent of the tender award value will be deducted per week.
- 13. **Inspection and Acceptance:** Material procured from vendor shall be inspected and tested by the college or its designee at vendors cost. If deemed necessary by the college, the Vendor shall provide without charge, all reasonable facilities and assistance for such inspection and test. Any inspection records relating to Material covered by this agreement shall be made available to the College during the performance of the order.
 - **a.** If any Material covered by this agreement is defective or otherwise not conforming to the requirements of this agreement, the college may, by written notice to the Vendor:
 - (i) rescind the purchase/supply order as to such non- conforming Material
 - (ii) accept such material at an equitable reduction in price;
 - (iii) reject such non-conforming material and require the delivery of suitable replacements



- b. If the vendor fails to deliver suitable replacements promptly, the College, with notice of seven business days, may replace or correct such material and charge the vendor the additional cost occasioned thereby, or terminate this order for default
- c. No inspection (including source inspection) test, approval (including design approval) or acceptance of material shall relieve the Vendor from responsibility for defects or other failures to meet the requirements of this order. Rights granted to the College in this article entitled INSPECTION is in addition to any other rights or remedies provided elsewhere or in Law.
- 15. **Selection of Bidder**: For the purpose of selection of the bidder, a two stage bidding process will be followed. The response to the tender should be submitted in two parts viz. Technical Bid & Financial Bid.
- **A. Technical Bid:-** Technical bid should contain information regarding the company/firm registration details, Authorization letter, Clientele list (List of Users), Performance certificate from clients, self-declaration for not blacklisted, business turnover, experience and other details of the firm to judge the suitability of the bidder. Bidder must ensure the following conditions whole going for the bidding:-
 - (I) SPECIFICATIONS: Specifications are basic essence of the product/contract. It must be ensured that the offers must be strictly as per our specifications mentioned at Annexure-"A" at technical specification section. At the same time it must be kept in mind that merely copying our specifications in the quotation shall not make the parties eligible for consideration of the quotation. A quotation has to be supported with the printed technical leaflet/literature of the quoted model of the item by the quoting party/manufacturer and the specifications mentioned in the quotation must be reflected /supported by the printed technical leaflet/literature. Therefore, the model quoted invariably be highlighted in the leaflet/literature enclosed with the quotation and should be furnished as per the annexure "B (1)
 - (II) Non-compliance of the above shall be treated as incomplete/ambiguous and the bid can be ignored without giving an opportunity for clarification/negotiation etc. to the quoting party.
 - (III) OEM should be internationally/Nationally reputed Branded Company.
 - (IV) Copy of mandatory test reports, national testing/reliability and endurance test reports etc., certified or conducted at the manufacturing site, granted by the bureaus/quality control departments/national testing laboratories
 - (V) A write up on service and maintenance capability, mitigation of risks or breakdown and replacement capability, with the escalation support matrix suggested for the College. Vendors must indicate their sales and support service center in India and their plan to address issues



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about services, maintaining minimum service inventory etc.

- (VI) Signed & Stamped compliance sheet of the technical specification of the offered equipment with technical printed literature must be enclosed with the technical bid in the prescribed format.
- (VII) Clientele list (List of the institutes/organizations, where the similar order has been executed during the last three years) and work done list. Supporting documents (couple of orders without any alteration/modification, copies of installation report and performance certificate) must be enclosed. Past Performance of the Vendors will be judged at the time of Technical Evaluation.
- (VIII) Average Annual turnover for the last three successive years should be equal or greater than 75 Lakhs INR for the authorized dealer (duly certified by the Chartered Accountants).
- (IX) Self-attested photocopy of annual turnover, IT Certificate, Audited Balance Sheet, etc.
- (X) The bidder/OEM self-declaration stating that he/she is not banned/debarred or black listed by any Central/State Govt. of India/PSU/Organizations/Institutes in India or abroad in prescribed format.
- (XI) DD for Tender Fee & EMD amount as applicable
- (XII) College reserves the right to carry out a technical inspection and performance evaluation (benchmarking) of the offers, made by shortlisted vendors. The shortlisted vendors may be asked to come and give out presentation / demonstration.
- (XIII) Short listing of Vendors: College will shortlist technically qualifying vendors and the financial bid of only those vendors will be opened. College reserves the right to decide whether the items being quoted are as per the requirement of the College and are of standard/leading brands in the market. College reserves the right to decide which offer best suits the requirement of the College. Further, after opening financial bids of the short listed tenders, if there is a discrepancy between word and figure, the amount indicated in words will prevail.
- **B. Price Bid/ Financial Bid:** Financial bid should contain price of the material required to be supplied as per Price Schedule "Annexure C" as supplied by the College along with tender form, duly filled and signed by the authorized person. (Annexure C- Part A + Part B)
- C. Award of work: work will be awarded to L1 firm on the basis of total of Part A and Part B of financial Bid. (Annexure –C)
 - **16. Installation and Commissioning:** Free of cost at College. The OEM must ensure timely installation of the complete unit with necessary support to the indenter.



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17. Conditional Offer will not be accepted.

18. Rejection of bids:-

- (a) If bidders give wrong information in their bid, College reserves the right to reject such bids at any stage and forfeit the Earnest Money Deposit / Performance Bank Guarantee and cancel the order, if awarded.
- (b) If the technical offer contains any price information the offer will be summarily rejected.
- (c) Canvassing in any form in connection with the tender is strictly prohibited and the bids submitted by the bidder who resort to canvassing are liable for rejection.
- (d)Unsigned tenders/bids, unattested corrections and over writing by bidders are also liable for rejection.
- (e) Bids submitted without supporting documents as mentioned or required to submit with bids are liable to be rejected.
- (f) The Tenderers must confirm in their bid acceptance in full of the terms and conditions in this enquiry. Any non-acceptance or deviations from the terms and conditions must be clearly brought out. However, tenderers must note carefully that any conditional offer or any deviation from the terms and conditions of this enquiry may render /liable the Quotation for rejection.
- 19. **Liquidated damages for delayed supply:** If vendor fails to deliver any of or all products or does not perform the services within the period specified in the contract, the College reserves the right to, without prejudice to its other remedies under the contract, deduct from the bill, a sum equivalent to 1% of the price of undelivered stores at the agreed price for each week to maximum limit of 10% of the value of stores so undelivered. Once maximum is reached, the second party (College) may consider termination of contract.
- 20. **Assignment / Subcontracting /sublet:** The Vendor shall not assign the order received, any rights under this agreement or to become due hereunder neither delegated nor subcontracted /sublet any obligations or work hereunder without the prior written consent of the College.
- 21. **Cancellations of tender:** The College reserves Right to Accept any Bid and to Reject any Or all Bids: The Purchaser also reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award of Contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for the Purchaser's action.
 - (a) fails to comply with any term or condition of this order including, but not limited to, delivery terms; or
 - (b)appoints a receiver, liquidator or trustee in bankruptcy or other similar officer over any or all of its property or assets; or
 - (c) files a voluntary petition in bankruptcy; or
 - (d)has had filed against it an involuntary petition in bankruptcy which remains in effect for thirty (30) days; or



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- (e) voluntarily ceases trading; or
- (f) merges with or is acquired by a third party; or
- (g)Assigns any of its rights or obligations under the Order to a third party without the College's prior written consent

Upon the occasion of any one of the aforesaid and in addition to any remedies which the College may have in Law or in Equity, the College may also cancel this order or any outstanding deliveries hereunder by notifying the Vendor in writing of such cancellation and the Vendor shall thereupon transfer title and deliver to the College such work in progress or completed material as may be requested by the College. The College shall have no liability to the Vendor beyond payment of any balance owing for Material purchased hereunder and delivered to and accepted by the College prior to the Vendor's receipt of the notice of termination, and for work in progress requested for delivery to the College.

22. Warranty:-

- (a) Minimum Two year warranty of each product as specified in Annexure A, or as per provided by the OEM, whichever is higher. During the warranty period, replacement of any part of items or rectification of defects of works will be free of cost.
- **(b)Downtime**: During warranty period not more than seven days for major faults and 48 Hours for minor faults or case to case finalized by competent authority of Maharaja Agrasen college downtime will be permissible. For downtime exceeding penalty of Rs. 1000/- per day shall be imposed.
- (c) The Vendor shall warrants that any Material supplied hereunder shall conform to the generally recognized manufacturing and safety standards of the Vendor's industry as per Indian Standard Institution (ISI) or similar standard. The Vendor's specifications on performance as detailed in the Vendor's brochures, sales literature and other specifications as may be available to the College.
- (d) Vendor should provide insurance up to the delivery point (on-site and not up to the nearest international airport) and until the time of installation.
- (e) Vendor shall provide at least one preventive maintenance service per year during the warranty period.
- (f) In addition to any other express or implied warranties, the Vendor warrants that the material furnished pursuant to this order will be:-
- (i) Free from defects in design except to the extent that such items comply with detailed designs provided by the College; of merchantable quality and suitable for the purposes, if any, which are stated in the tender/quotation.
- (ii) This warranty provision shall survive any inspection, delivery, acceptance, payment, expiration or earlier termination of this order and such warranties shall be extended to the employees, students, and users of the material. Nothing herein, however, shall limit the College's rights in law or equity for damages resulting from delivery of defective goods or damage caused during the delivery of goods or provision of services.
- (iii) Rights granted to the College in this article entitled WARRANTIES are in addition to any other rights or remedies provided elsewhere in this order or in Law.



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23. Consumables/spares: - All hardware & software- including drivers, device interface cards/network adaptor card must be pre-installed & pre-configured in the computer /equipment provided as per site requirement.

Licensed version of system software should be provided in CD/credentials/password (with upgradable version), if such system is also a part of supply.

Manual - Hard copies of instruction/operation/service manuals should be supplied. List of important Consumable/ Spares and parts having sufficient shelf life for trouble free operation of three years should also be provided.

24. Training and Installation: -

- (a) **Installation testing:** suppliers of the instrument must provide free installation, commissioning and testing of the equipment in the laboratory.
- (b)Comprehensive training of faculty & staff after installation should be provided, wherever deemed appropriate and an update in every six months (3-4 days) for the first two years and every year (1 week) for the next three years.
- (c) On-site training to the graduate students after installation.
- 25. **C.M.C.:-** A separate Comprehensive Maintenance Contract will be executed after completion of the warranty period. Hence, bidders must quote price of CMC for next three year (year wise) after the warranty period.
- While evaluating the offers, the cost component towards maintenance of the goods for specified number of years is also be added in the evaluated tender value on overall basis to decide the inter se ranking of the responsive tenderers. On execution of the C.M.C. contract, performance security will be returned to the first party.
- 26. **The OEM** (**Original Equipment Manufacturer**) **should** be an ISO-9000 or ISO-14001 certified company with due credits to energy conservation and green earth compliance. While the above procedures lay down the overall guidelines, Maharaja Agrasen College reserves the right to select the vendor based on other parameters, at its discretion.
- 27. This is notable that Preference to Make in India -2017 dated 16-09-2020 guidelines should be adhered.

I/We have read all the enclosed Terms and Conditions carefully and ready to accept and according to that I/We are submitting herewith the tender.

Seal & Signature of Vendor



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Annexure-A

Technical Specifications for Supply, Installation, Testing & Commissioning of Studio

S.	Product	Specifications		Quantity
No.				
1	Handheld 4K Handheld Camco		order	3
	Camcorder	1/2-type 3CMOS/ M	IOS based with 4K 50p/60p recording capability	
		Zoom Ratio	17x (optical), servo/manual	
		Focal Length	5.6 - 95.2 mm	
			(35mm equivalent: 30.3 - 515 mm)	
		Image Stabilizer	On/Off selectable, shift lens	
		Shutter Speed	1/24 sec to 1/8,000 sec	
		Effective Picture	Elements3840 (H) x 2160 (V)	7
		Built-in Optical	ND filters	7
		Filters	OFF: CLEAR	
			1: 1/4ND	
			2: 1/16ND	
			3: 1/64ND	
			Linear variable ND (Approx. 1/4ND to	
			1/128ND)	
		Video Output	BNC (x1), HD-Y/ HD-SYNC/Composite	7
			1.0 V p-p, 75 Ω	
			(switchable to Genlock in)	
		SDI Output	BNC (x1), HD-Y/ HD-SYNC/Composite	1
			1.0 V p-p, 75 Ω	
			(switchable to Genlock in)	
		Genlock Input	BNC (x1) (switchable to Video out) 1.0 Vp-p,	1
			75Ω	
		HDMI Output	Type A (x1)	
		Wired LAN	RJ-45 (x1), 1000BASE-T, 100BASE-T,	
			10BASE-T	
		Wifi NFC Support	Supported Format IEEE 802.11 a/b/g/n/ac	



		Streaming	Protocol *3AVC / RTMP / RTMPS		
			1920 x 1080 at 9 Mbps		
			1920 x 1080 at 6 Mbps		
			1280 x 720 at 3 Mbps		
			640 x 340 at 1 Mbps		
2	TRIPOD WIT	H DOLLY			
2.01	Heavy Duty	Payload: Up to 20KG		1	
	Tripod Kit	Grades of drag: 0-7			
	with Dolly	Height range: 690-17	780mm		
		Head fitting: 100mm			
		Tilt range : +90° / -75	0		
		Counterbalance: 0-7			
		Material : Aluminum			
2.02	Light weight	Payload: Up to 10KC	j	2	
	Tripod Kit	Vertical Tilt : +90° to	-70°		
	with Dolly	Panning Range : 360°			
		Maximum Working Height: 66.93" / 170 cm			
		Head fitting: 175mm			
		Material : Aluminum			
3	Teleprompter	19"teleprompter with	glass, hood & wireless remote,	1	
		Featuring:			
		Prompter Software fe	atures (Non MOS):		
		Import RTF, DOC, H	TML		
		Date & Time Display			
		Story editing on the fl	y, Hold & Block Stories		
		User- friendly Interfac	ce, Adjustable Font Size		
		Wired Foot Control &	wireless Hand Control		



4	VISION MIXER /	HD 12-Channel Digital Video Switcher		1
	PRODUCTION	Video Input	8x SDI, 4x HDMI	
	SWITHCHER	Video Processing	SDI: 4:2:2	
			HDMI: YUV 4:2:2, RGB: 4:4:4	
		Video Output	6x SDI Outputs assignable:	
			Multiview, PGM, PVW,	
			PGM+DSK, Clean PGM, Clean	
			PVW, Input 1-12, STILL 1, STILL	
			2, Flex source	
			3x HDMI assignable:	
			Multiview, PGM, PVW,	
			PGM+DSK, Clean PGM, Clean	
			PVW,	
		Down-converted	1x SDI	
		Output		
		USK	4x Keyer support Chromakey/	
			Linear/ Luma Key	
		DSK	2x DSK support Lumakey & Linear	
			key (Key / Fill)	
		Effects	DVE, FTB, Cut, 32 Wipe with	
			border	
5	LED Display			
5.01			h Wall Mount Bracket	3
5.02		32" LED Display wit		1
5.03		32" LED Display wit	h Trolly set	2
6	Converter	SDI - HDMI		3
7	Monitor Speaker	5" Reference Active	Monitor Speaker (Pair)	3
		Max SPL: 108dB; 1 x		
		balanced		
		MAXIMUM INPUT		
		Balanced: +20.3 dBV		
		INPUTS 1 x RCA (un		
		(balanced)		
8	Professional lavalie	er microphone		



8.01	Lavalier	Polar Pattern Omni directional	4
	microphone	Audio frequency bandwidth20 - 20000 Hz	
		Equivalent noise level34 dB-A	
		Sensitivity7 mV/Pa	
		Signal to Noise60 dB-A	
		Electrical impedance200 Ohms	
		Recommended load impedance1000 Ohms	
0.02	W':11:	~	2
8.02	Wireless Lavalier	Body-pack transmitter x 1	2
	microphone	Receiver x 1 with XLR and 1/4" jack outputs.	
		Frequency range: 500 – 572 MHz or higher/better	
		Signal/noise ratio typ. 105 dB(A)	
9	Professional	Specifications	
	Headphones		
9.01		Sensitivity headphones104 dB SPL/V	2
		Rated Impedance55 Ohms	
		Detachable cableyes	
		Cable Length3 m	
		Earpads replaceableyes	
		Driver size (mm)30	
		Sensitivity (dB SPL/V @ 1 kHz)104	
		Rated impedance $(\Omega)55$	
		Audio frequency bandwidth (Hz)16 - 28000	
9.02		Type : Closed-back dynamic	2
		Driver Diameter : 40 mm	
		Frequency Response : 15 - 20,000 Hz	
		Maximum Input Power: 700 mW at 1 kHz	
		Sensitivity: 96 dB	
10	Ear Piece SN-12	(Compatible with Talkback system)	3
10	Ear Piece SN-12	(Compandie with Tarkback system)	3
11	TALKBACK	Wired Intercom System - Rack-mountable	1
	System	Supports 8-Way Intercom	
		4 x Beltpacks and 4 x Headsets	
		4 x Camera Tally Lights	
		4x 5-Pin XLR Cables (65') (20 mtr)	
		4x 5-1 III ALK Cables (05) (20 IIII)	
12	SPG	HD/SD Sync Generator, simultaneous Blackburst & tri-level,	1
		outputs assignable	
<u> </u>			



12.01	VIDEO	Min. 16x16 3G-S	1		
	ROUTER	16x16 3G-SDI in			
	with	Small, portable fo			
	Power Supply, for	_	Quad cable support for 4K/UltraHD		
	redundant	Redundant power			
	operation	Eight salvos per re			
		1	erver for remote control		
		USB port to easily	y configure the router IP address		
13	Digital GLUES	3G-SDI 4-Channe	el analog audio Embedder / Dembedder	3	
13	Digital GLCLS	30-3D1 4 -Chamic	analog audio Embeddel / Bembeddel	3	
		Video Input	1x 3G-SDI BNC, SMPTE-259/292/372/424	-	
		Digital	11 00 00101 (e, 0111 12 20)/2/2/2/2/12 12 1		
	Embedder /	Video Output	1x 3G-SDI BNC, SMPTE-259/292/372/424		
	Dembedder	Digital	11.00 821210, 81.11 12 200, 20210, 21.01		
		Audio Inputs	Balanced Analog Audio, 1x 25 pin D	-	
		and Outputs	female connector on converter, 4-channels		
			in, 4-channels out		
			Breakout cable provided with 1x 25 pin D		
			male connector:		
		4x XLR female input breakout connectors			
			4x XLR male output breakout connectors		
13.01	VDA	1x6 Analog Vide	o distribution Amplifier	2	
		NTSC / PAL			
14	HDD	Chaifiastiana		1	
14	RECORDER	Specifications Deals mount dual	elet CDI and HDMI continue and playbook to	1	
	RECORDER		slot SDI and HDMI capture and playback to with 2x 500GB HDD storage module with		
			on & Ethernet File Transfer.		
		Video Input Digit			
		Video Iliput Digit	Single Link 4:2:2 (2 x BNC, input		
			selection in software)		
			HDMI v1.3		
			TIDIVII V1.5		
		Video Output	SD/HD SDI, SMPTE-259/292		
		Digital	Single Link 4:2:2 10-bit (1 x BNC)		
		Digital	HDMI v1.3		
			TIDIVII VI.J		



15	Desktop	Specifications	2
	Computer	Retina 5K display	
	(For Video	27-inch (diagonal) Retina 5K display	
	Editing)	3.3GHz 6-core 10th-generation Intel Core i5, Turbo Boost up	
		to 4.8GHz, 8GB (two 4GB) of 2666MHz DDR4 memory; four	
		SO-DIMM slots, user accessible, 512GB SSD, Radeon Pro	
		5300 with 4GB of GDDR6 memory	
16	Video Editing So	oftware	
16.01		FCPX Institutional Pack	1
16.02		Adobe Premier Institutional Pack	1
17	Audio Editing	Nevenundo Pro	1
	Software		
18	Voice Over Fac	ility	
18.01	Voice Over	2-In/2-Out 24/192 USB Audio/MIDI Interface	1
10.01	Interface Mic Inputs 1-2 (balanced XLR)		
	Equipment	Line Input 1-2 (balanced 1/4" [6.35 mm] TRS)	
		Inst Input 1-2 (unbalanced 1/4" [6.35 mm] TS)	
		Main Outputs, L and R (balanced 1/4" [6.35 mm] TRS)	
		Headphone Output (1/4" [6.35 mm] TRS)	
		FREQUENCY RESPONSE : 20 Hz – 20 kHz (+0.05 dB)	
		SIGNAL-TO-NOISE RATIO : 101 dB (1 kHz, +4 dBu, A-	
		weighted)	
		THD+N: 0.002%	1
	Voice Over	Large Diaphragm Studio Condenser Microphone	1
	Microphone	Element Fixed-charge back plate, permanently polarized	
18.02		condenser Polar Pattern Cardioid	
		Frequency Response 20-20,000 Hz	
		Low Frequency Roll Off 80 Hz, 12 dB/octave	
		Open Circuit Sensitivity -33 dB (22.4 mV) re 1V at 1 Pa	
		Open chedit sensitivity -55 db (22.4 m v) ie i v at i i a	
19	STUDIO LIGH	TS	
19.01		90W LED Soft Panel Light 3200K / 5600K colour	12
		temperature. CRI,TLCI and R9 value above 95. Uniform	
		shadow less output, No heat from light, No UV radiation,	



		control mode:- Manual and DMX control mode through	
		5pin. Extreme soft illumination with diffuser. 0 ~ 100%	
		linear dimming. Black powder coated fabricated housing	
		with normal yoke, barndoor, C clamp & safety chain	
19.02		DmX Controller 12 Faders to control atleast 12 channels	1
19.03		Studio Grid for hanging Studio lights and fixtures	Lot
20	Installation	42RU Equipments Racks with Accessories, Side Panels x 1	Lot
	Materials	MDU - Rack Power Supply x 2	
		Video Cable	
		BNC Connectors with Boots	
		HD Video Patch Panels x 1	
		Audio Cable for Rack * Studio - 305 mtr Roll	
		XLR Male / Female Pair, Phone & RCA Connector	
		Ethernet Cable CAT-6	
		Network Switch	
		Miscellaneous Cables , Connectors, Pheruls, Tags, Ties, HDMI	
		Cable/s USB extender Cable/s etc.	
		All Audio/Video/Data cable should be of Belden,Canare make or	
		equivalent	
		All Audio/Video/Data connector should be of Belden, Canare	
		make or equivalent	
21	Bar Chairs	1. Height –adjustable	
		2. Shape – Waterfall seat design with waist level backrest	
		3. Seat Material – Propylene	
		4. Adjustment Type – Hydraulic	_
		5. Material – Stainless Steel6. Revolving	5
		7. Material – Cushioned seat with fabric upholstery	
		8. Load Capacity – Min 90 kgs	
22	Chairs	1. Mid back Chairs	
		2. Backrest Material – Mesh3. Hydraulic adjustment	
		4. Revolving Chairs with wheel	12
		5. Load Capacity Min. 90 Kgs	
22			
23	Air	1. The AC shall conform with relevant Indian standards as per	
	Conditioner (BIS	
	Cassette)	2. The AC shall have a minimum BEE star rating of 3	2
		3. Nominal cooling capacity shall be 2 Tonnes	
		4. AC shall have relevant modes for various weathers and other	
		modes like turbo, etc.	



		5. It is recommended that the AC has self-cleaning / auto clean	
		mode	
		6. Input Power Supply - 230 V AC (+/- 10 %), 50 Hz	
		7. Actual cooling capacity in Watt (W) as per BEE star label =</th <th></th>	
		7000	
		8. Noise level should be as per Environment Protection Act 1986	
		but not more than IS 1391 Revised	
		9. Coil Material (Condenser) should be Copper	
24	CCTV	CCTV 8 Channel DVR with 8 Cameras, IP Based	
			1 lot
25	Online UPS	1. Online UPS should support for critical infrastructures such as	
		Data Centers, Network operating centers, Security operation	
		centers, State and District centers, Command and Control center	
		etc.	
		2. On Line UPS Capacity/Battery backup time at full	
		load/Minimum VAH – (~) 10 KVA/60 Minutes/16385 VAH	
		3. Recommended inverter technology - PWM with IGBT, double	
		conversion	
		4. The UPS shall have Galvanic Isolation through inbuilt	
		transformer at UPS output side	
		5. UPS shall have cold start facility	
		6. Noise level (at 1 mtr distance) shall be equal to or less than	
		55dB	
		7. Input Voltage Range - 320 V to AC to 460 V AC 3 Phase	
		8. Input frequency range 50 Hz +/-6% Hz	
		9. Output voltage - 230 V AC +/-1% Single Phase	1
		10. UPS shall be free from workmanship defects, sharp edges,	
		nicks, scratches, burst, etc. All fasteners shall be fixed properly.	
		The equipment shall be complete with all parts and all parts shall	
		be functional	
		11. UPS shall have switches for: Mains ON/OFF MCB, Battery	
		ON/OFF MCB/Fuse, Inverter push button with reset	
		12. UPS shall be supplied with required rated power cable	
		(Copper)	
		13. Overall efficiency on rated full load of 0.9 PF and 230 Volt,	
		50 Hz AC output should be >/=85%	
		14. UPS shall withstand Over load capacity - 110% for 2	
		Minutes	
		15. UPS shall withstand Over load capacity - 125% for 30	
		seconds	
		seconds	



hort circuits,
EIII) latest
be less than
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ndards as per
QTY / Area in
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(Approx)
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roperty Room,
1730 Sq Ft.
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aterials 50mm
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26.05	Service Lights	Class 1 Luminaire Class
	Providing & fixing - Warm LED light - 18	The lights along with the electronic control ear
	watt dimension 8'x 8", electrical wiring.	shall conform with relevant Indian standards as
	providing and fixing along with electrical wiring	per BIS
	and fixing	Fasteners - Nickel/Chrome plated
		Coating - epoxy powder coated / anodizing
	Suitable for the area as per attached layout	Color – Warm White
	(61'X36')	
26.06	Chroma Screen (120 Sq Feet)	120 Sq Ft (only on wall) frame mounted
26.07	Furnishing and construction of live set (As per	Against 18 feet wall
	attached layout) with trans lights etc.	
26.08	Studio Table set including LED Lights / trans	1. Total Length – 10' to 12'
20.00	lights etc.	2. Width – 2.5' to 3.5'
	inginis etc.	3. Design - 'U' shape
		4. Base material - Solid wood, glass and metal
		(aluminum, etc.)
		5. Coatings – Relevant anti-fire, anti-termite, etc.
		6. Mica Sheet – Mat Finish
		7. Table top –
		a. Dual tops with 4" to 5" gap between them
		b. Toughened glass top
		c. Wooden bottom top
		8. The table should have customizable provisions
		for LED lights and built-in RGB lights at desired
		places
26.09	Technical Furniture for PCR, Editing Room, Audi	o Recording Room with equipment cutting &
	fixing	
	Technical Furniture	Base material - Solid wood/MDF/Particle Board
A	1 no (14 Ft. X 3 Ft X 2.5)	and metal (aluminum, etc.)
В	2 no. (10 ft X 3 Ft)	Coatings – Relevant anti-fire, anti-termite,
C	1 No.(Round table radius 1.5 ft)	fingerprint resistant, etc.
		Mica Sheet – Matte Finish
		Cabling System – Yes; the table should have
		optimum tubes, outlets and compartments for
		wires and other utilities
		Table Top Thickness – min 25 mm
26.10	Green Room cum Dressing Room	Dressing Mirror, Curtain etc. as per requirement.
20.10	Green Room cum Diessing Room	Dressing winter, Curtain etc. as per requirement.
	•	



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ANNEXURE - "B"

TECHNICAL BID FORMAT

registered registered	
Legal status of the bidders sole	
proprietorship/firm/agency etc.	
(copy to be attached)	
Address of registered office.	
Address of the office at Delhi/NCR (if any).	
Telephone Nos./Fax/E-mail at Delhi/NCR.	
Specify your firm/company is a manufacturer/ authorized dealer/ distributor/ Agency	
Earnest Deposits money (EMD) Yes/No	
EMD Details	
UTR No. date:	
Amount-	
(Rupees)(Proof of	
,	
1	
GST Reg. No.	
(Attach attested copy)	
Proof of Average annual turnover (Only Certificate by	
CA to be attached).	
Original Technical Catalogue of the quoted model	
(Copy to enclosed as per Annex.B(1))	
-	
per Point No. VII of Terms & Conditions.	
	Legal status of the bidders sole proprietorship/firm/agency etc. (copy to be attached) Address of registered office. Address of the office at Delhi/NCR (if any). Telephone Nos./Fax/E-mail at Delhi/NCR. Specify your firm/company is a manufacturer/ authorized dealer/ distributor/ Agency Earnest Deposits money (EMD) Yes/No EMD Details UTR No. date: Amount- (Rupees



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15	Enclose self-certificate that the bidder has never been	
	black listed or punished by any court for any criminal	
	offence/breach of contract and that no	
	police/vigilance enquiry/criminal case is pending	
	against either bidder legal entity or against individual	
	Directors of the company or partners etc. of the firm	
	etc.	
17	Class-I Local Bidder Certificate in the prescribed	
	format on Company/firm letter head.	

(Signature of Authorized Person)

(Name)

(Designation)

Name of Firm/Company/Agency

Contact Details



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ANNEXURE - "B (1)"

TECHNICAL BID FORMAT FOR SPECIFICATION AS PER THE ITEMS MENTIONED IN NIT

S.N	Name of The Product	Specification	Make and Model offered	Warranty	Deviation (if any)	Catalogue
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						



Total No. of Item(s) quoted_____

MAHARAJA AGRASEN COLLEGE

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18			
19			
20			
21			
22			
23			
24			
25			

(Signature of Authorized Person)	
(Name)	
(Designation)	

Contact Details

Name of Firm/Company/Agency



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Annexure-C

Financial Bid (Please refer BOQ)

(Part - A)

Supply of Media Lab at Maharaja Agrasen College as per Annexure "A"

Item No.	Total Price for the college (inclusive all taxes) (in figures and words)
1	
2	
3	
4	
5	
6	
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26	

Total No. of Item(s) quoted	Seal and Signature of the bidder



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(Part - B) (Please refer BOQ)

CMC of Media Lab at Maharaja Agrasen College as per Annexure "A"

S.No.	Item Name	Rate of CMC (for	Rate of CMC	Rate of CMC	Total
		1 st Year)	(for 2 nd Year)	(for 3 rd Year)	(B+C+D)
		(B)	(C)	(D)	(in figures and words)
					words)
1.	CMC of				
	Media Lab at				
	<u>Maharaja</u>				
	<u>Agrasen</u>				
	College as per				
	Annexure				
	<u>"A"</u>				

Seal and Signature of the bidder

Work will be awarded to L1 firm on the basis of total of PART-A and PART-B of Financial Bid.



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Annexure-"D"

AFFIDAVIT

(On Non-Judicial Stamp paper of Rs. 100)

	I,	Daughter / Wife of Shri
	resident of	Proprietor/Director authorized
	signatory of the agency/Firm (M/s), do hereby solemnly
	affirm and declare as follows:	
1.	I am authorized signatory of the agency/firm and is comperence this tender document;	etent to sign this affidavit and
2.	Ihavecarefullyreadandunderstoodentiretenderdocumentinclud	lingallthetermsand conditions of
	the tender and undertake to abide by them;	
3.	The information / documents furnished along with the above a to the best of my knowledge and belief. I / we, am / are well a of anyfalseinformation/fabricateddocumentwouldleadtoreject besides liabilities towards prosecution under appropriate law.	aware of the fact that furnishing ctionofmytender at any stage
1.	I/We further undertake that no case/enquiry/investign police/court/vigilance or any government body against the Prindividual or against legal entity of the Company/Firm/Agence	oprietor/Partner/Director etc. as

5. I/We further undertake that none of the Proprietor/ Partners/Directors of the Agency/agency

was or is Proprietor or Partner or Director of the Agency with whom the Government have

banned/suspended/blacklisted business dealings. I/We further undertake to report to the

Principal, Maharaja Agrasen College immediately after we are informed but in any case not

later 15days, if any Agency in which Proprietor/Partners/Directors are Proprietor or Partner

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or Director of such an Agency which is banned/suspended in future during the currency of the Contract with you.

6. I/We further undertake that our firm/company is fulfilling all the terms and conditions/eligibility criteria obvious/explicit or implied/implicit recorded anywhere in the tender document. If at any time including the currency of the Contract, any discrepancies, found relating to our eligibility or the process of award of the contract criteria, this may lead to termination of contract and/or any other action deemed fit by the College.

(Signature of the Bidder)	
Date:	Name:
Place:	Designation

I/We do hereby solemnly declare and affirm that the above declaration is true and correct to the best of my knowledge and belief. No part of it is false and noting has been concealed therein.

Deponent



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ANNEXURE "E"

FORMAT FOR BANK GUARANTEE TOWARDS PERFORMANCE SECURITY

(To be executed by any scheduled bank, on a non-judicial stamp paper under bank's covering letter mentioning address of the bank)

To,

Principal Maharaja Agrasen College Vasundhara Enclave, Delhi-110096

COLLEGE', which expression unless repugnant to	o the context a	and meaning	thereof shall include
its successors and assigns] ha	aving ag	greed	to exempt M/s
[hereinafter referred to as supplier /conf	tractor' which o	expression un	nless repugnant to the
context and meaning thereof shall include its success	ssors and assig	ns] from dep	ositing with Maharaja
Agrasen College sum of Rs(Rupees	_) towards	security / p	erformance guarantee
in lieu of the said contractor having agreed to fu	ırnish a bank ş	guarantee for	the said sum of Rs.
(Rupees) as required unde	er the terms and	l conditions o	f contract / work order
no dated_[hereinafter referred as the order'] p	laced by colleg	ge on the said	d supplier /contractor.
We,the bank [hereinafter referred to a	is 'the bank' w	which expres	sion shall include its
successors and assigns] do hereby undertake to pay	y Maharaja Agi	rasen College	e, College of Delhi an
amount not exceeding Rs(Rupees	_) on the den	nand made b	y Maharaja Agrasen
College on us due to a breach committed by the sai	d supplier /con	ntractor of the	terms and conditions
of the contract/order.			
1. Wethe ba	nk hereby und	ertake to pay	the amount under the
guarantee without any demur merely on a demand	l from Mahara	ija Agrasen (College, University of
Delhi stating that there is a breach by the supplier	r / contractor o	of any of the	terms and conditions
contained in the order or by the reasons of the suppl	ier's / contracto	or's failure to	comply with the terms
and conditions as stipulated in the order or amend	lment(s) theret	to. The dema	nd made on the bank
shall be conclusive as to the breach of the terms	and conditions	s of the order	and as regard to the
amount due and payable by the bank under this gu	ıarantee, notwi	ithstanding a	ny dispute or disputes
raised by the said supplier/contract or regarding the	e validity of su	ich breach an	d we agree to pay the
amount so demanded by Maharaja Agrasen College	e, College of D	Pelhi without	any demur. However,
our liability under this guarantee shall be res	stricted to a	n amount	not exceeding Rs.

In consideration of Maharaja Agrasen College, College of Delhi[hereinafter referred to as

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MAHARAJA AGRASEN COLLEGE

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(Rupees).	
2. We, the bank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said order and that it shall continue to be enforceable till the dues of college under or by virtue of the said order have been fully paid and its claim satisfied or discharged or till Maharaja Agrasen College, University of Delhi certifies that the terms and conditions of the order have been fully and properly carried out by the supplier / contractor and accordingly discharge the guarantee. 3. We the bank, undertake to pay to Maharaja Agrasen College, University of Delhi any money so demanded notwithstanding any dispute or disputes raised by the said supplier /contractor in any suit or proceedings pending before any court or tribunal relating thereto as our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the said supplier / contractor shall have no claim against us for making such payment.	
4. Wethe bank further agree that Maharaja Agrasen College, University of Delhi shall have full liberty, without our consent and without affecting in any manner of obligation hereunder to vary an ofthetermsandconditionsoftheorder/contractortoextendtimeofperformancebythesaid supplier contractor from time to time or to postpone for any time or from time to time any of the power exercisable by the Maharaja Agrasen College, University of Delhi against the said supplier/contractor and to for bear or enforce any of the terms and conditions relating to the order and shall not be relieve from our liability by reason of any such variation or extension being granted to the said supplier contract or for any for bearance, actor omission on the part of Maharaja Agrasen College, University of Delhi to the supplier contractor or by any such matter or thing whatsoever which under the law relating to sureties would but for this provisions have effect of so relieving us.	
5. This guarantee will not discharge due to change in the constitution in the bank or the sai supplier /contractor.	
6. The bank hereby agrees to address all the future correspondence in regard to this ban guarantee to Principal, Maharaja Agrasen College, University of Delhi.	
7. We,the bank lastly undertaken revoke this guarantee during its currenc except with the previous consent of the Maharaja Agrasen College, University of Delhi in writing.	

Signed on the_____day of____



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ANNEXURE-F

PRESCRIBED FORMAT ON LETTER HEAD OF BIDDER

It is hereby certified that M/s	(Name of the firm) is a Class-I local
supplier in terms of Order No. P-45021/2/2017-PP (E	BE-II) dated 16.09.2020 for the Supply
Installation, Testing and Commissioning of Media Lab at	Maharaja Agrasen College.

We, understand that we will be blacklisted from future bidding process and we, will have to indemnify the Maharaja Agrasen College for any losses which may occur in case the above said certification is found incorrect at any level.

Signature and Seal of the firm/bidder



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ANNEXURE-G

ON LETTER HEAD OF BIDDER

I/we read the Clause regarding restrictions on procurement from a bidder mentioned in the office memorandum No. F.No.6/18/2019-PPD dated 23.07.2020 issued by Public Procurement Division, Dept. of Expenditure, Ministry of Finance.

It is hereby certified that I/we are not from such country and we are eligible to be considered.

Signature and Seal of the firm/bidder



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Layout

Media Lab

