

NOTICE INVITING E-TENDER FOR SUPPLY OF PROFESSIONAL VIDEO CAMERA (CAMCORDER), ACTIVE HDMI OPTICAL FIBER CABLE, FULL HD AV STREAMING MIXER, HEAVY DUTY ADJUSTABLE TRIPOD TO IIM TIRUCHIRAPPALLI

Tender No. IIMT/2022-23/IT/Camcorder/06 dated: 16.04.2022

(E-Procurement Mode)

Details	Date	Time	Venue
Name Of Work/ Service	“Tender for Supply of Professional Video Camera (camcorder) , Active HDMI Optical Fiber Cable, Full HD AV Streaming Mixer, Heavy Duty Adjustable Tripod to IIM Tiruchirappalli”		
Date of issue of Tender Document	16.04.2022	18.00 Hrs. onwards	-
Pre bid Clarification	25.04.2022	15.00 Hrs.	If the Bidder has any query/clarifications, please e-mail to purchase@iimtrichy.ac.in till 3.00 pm, 25.04.2022.
Last date for Submission of Tenders	09.05.2022	10.00 Hrs.	-
Opening of e-Tenders	09.05.2022	10.05 Hrs.	-
EMD	EMD Amount Rs. 5,200/- to be remitted in MoE’s E-Wizard Portal through online mode.		
Copies of payment transaction receipt for EMD has to be attached with the application form, without which the bid won’t be considered. The payment of EMD is exempted for MSME Bidders . Bidders claiming exemption should attach necessary document proof should be attached with tender document.			
Tender Document	The tender document can be downloaded from the IIM TRICHY website https://www.iimtrichy.ac.in/tender-published and MoE’s e-Wizard Portal (https://mhrd.euniwizarde.com)		
Mode of Submission of Tender	In MoE’s e-Wizard Portal(https://mhrd.euniwizarde.com/)		

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Instructions for Online Bid Submission

The bidders are required to submit soft copies of their bid electronically on the e-Wizard Portal using valid Digital Signature Certificates. Below mentioned instructions are meant to guide the bidders for registration on the e-Wizard Portal, prepare their bids in accordance with the requirements and submit their bids online on the e-Wizard Portal. For more information, bidders may visit the Portal (<https://mhrd.euniwizarde.com/>)

1. Registration Process on Online Portal

- a. Bidders to enroll on the e-Procurement module of the portal <https://mhrd.euniwizarde.com/> by clicking on the link “Bidder Enrolment”.
- b. The bidders to choose a unique username and assign a password for their accounts.
- c. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. This would be used for any communication from the e-Wizard Portal.
- d. Bidders to register upon enrolment, with their valid Digital Signature Certificate (Class III Certificates with signing and Encryption key) issued by any Certifying Authority recognized by CCA India with their profile.
- e. 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 DSCs to others which may lead to misuse.
- f. 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

2. Tender Documents Search

- a. Various built-in options are available in the e-Wizard Portal like Department name, Tender category, estimated value, Date, other keywords, etc. to search for a tender published on the Online Portal.
- b. 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 ‘Interested tenders’ folder.
- c. The bidder should make a note of the unique Tender No assigned to each tender, in case they want to obtain any clarification/help from the Helpdesk.

3. Amendment of Bid Document

- a. At any time prior to the deadline for submission of proposals, IIM Tiruchirappalli (IIM Trichy) reserve the right to add/modify/delete any portion of this document by the issuance of a Corrigendum, which would be published on the website and will also be made available to the all the Bidder who has been issued the tender document. The Corrigendum shall be binding on all bidders and will form part of the bid documents.
- b. The Institute may at its own discretion extend the last date for the receipt of bids.
- c. IIM Trichy reserves the right to cancel the tender without assigning any reason at any stages of evaluation before finalization.

d. IIM Trichy also reserves the right to, at any time and in its absolute discretion the following:

- Accept or reject all bids.
- To obtain further clarification or supporting documents during the evaluation.
- To suspend, discontinue, modify and/or terminate the Tendering process at any time.

4. Assistance to Bidders

- a. 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.
- b. Any queries relating to the process of online bid submission or queries relating to e- Wizard Portal, in general, may be directed to the 24x7 e-Wizard Helpdesk. The contact number for the helpdesk is 8448288994/87/89/88/81/90/92/82 011-49606060, 07903269552, 9355030608, 9055030613, 7903810198, 9355030606, 9315620706, 9355030623, 9355030628, 8800526452, 9205898228, 9122643040, 9355030604, eprochelpdesk.01@gmail.com, eprochelpdesk.03@gmail.com, eprochelpdesk.06@gmail.com

5. The tender inviting authority has the right to cancel this e-tender or extend the due date of receipt of the bid(s).

6. The bid should be submitted through e-Wizard portal (<https://mhrd.euniwizarde.com>) only.

NOTICE INVITING TENDER

1. OVERVIEW

Indian Institute of Management Tiruchirappalli (IIM Trichy) is an Institute of National Importance, established by the Ministry of Education (Shiksha Mantralaya), Government of India, is the eleventh IIM and was instituted on 04th January 2011. More details about IIM TRICHY are available in our website www.iimtrichy.ac.in.

IIM TRICHY invites e-Tender for ***Supply of Professional Video Camera (camcorder), Active HDMI Optical Fiber Cable, Full HD AV Streaming Mixer, Heavy Duty Adjustable Tripod to IIM Tiruchirappalli.***

2. BID PREPARATION

- Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 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 needs to be submitted. Any deviations from these may lead to rejection of the bid.
- 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/XLSX/PNG, etc. formats.

3. PROCEDURE FOR SUBMISSION OF TENDER

- Bidder to log into the site well in advance for bid submission so that he/she uploads the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- The tender document should be downloaded from the IIM Trichy website <https://www.iimtrichy.ac.in/tender-published> and e-Wizard Portal <https://mhrd.euniwizarde.com/>
- The bidder(s) shall not make any changes or amendment in the tender document as published in the IIM Trichy website and MoE's e-Wizard Portal.
- All the pages of the tender document being submitted must be duly (Digitally) signed as per the procedures and requirements stipulated herein.
- The tender document should be filled in legible handwriting/printing/typing without any ambiguity.
- If any correction is necessary in the information provided by the bidder, the same should be made after scoring out the old entry. In any case, there should not be any over writing. All the corrections should be attested with full signature of the bidder with date.

- g. Bidder should take into account the corrigendum/Addendum published from time to time before submitting the bids.
- h. The bidders are cautioned that furnishing of incomplete/ambiguous information, suppression of facts and any alteration of the prescribed tender format will entail outright rejection of the bid application.

4. Earnest Money Deposit

- a. ***The bidder(s) should remit an Earnest Money Deposit (EMD) of Rs. 5,200/-*** (Rupees Five thousand and Two hundred only) at MoE's e-Wizard Portal. A copy of the payment transaction receipt has to be attached with the e-Tender application form, without which the tender won't be considered for the bidding process.
- b. The EMD of the successful bidder will be returned after the making of Final payment.
- c. The EMD of the unsuccessful bidders will be released after finalization of the tender. No interest is payable on the Earnest Money Deposit (EMD).
- d. Micro and Small Enterprises (MSEs) firms as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) or the firms registered with the Central Purchase Organization or the concerned Ministry or Department or Startups as recognized by Department of Industrial Policy & Promotion (DIPP) for all these items only, are exempted from EMD. However, they have to enclose valid self-attested registration certificate(s) along with the Tender to this effect, failing which the Tender will not be considered for evaluation.
- e. The bidders who seek exemption from EMD as per clause above, if they withdraw or modify their bids during the period of validity, or if they are awarded the contract and they fail to sign the contract, or to submit performance security before the deadline defined in the bid document, they will be suspended for the period of three years or as decided by the competent authority from being eligible to submit bids for contracts with the entity that invited the bids.

5. BASIC ELIGIBILITY CONDITIONS FOR THE BIDDERS

- a. The bidder(s) should be registered with the Goods and Services Tax council for the purpose of Goods & Service Tax (GST). A copy of GST Registration Certificate, PAN and Bank account details should be submitted along with the tender document. The names appearing on all these documents and tender document should be same or linked.
- b. The Bidder should have Authorized Dealership Certificate from the respective OEMs for Selling Cameras as mentioned in the Technical Specification Section ([Annexure – IIIA](#)). Copy of Authorized Dealership Certificate needs to be attached with bid.
- c. It is construed that the bidder has read all the terms and conditions before submitting their offer. The bid declaration as given in the [Annexure-IV](#) to the effect of stating that the terms and conditions of the tender have been read and abided by the tenderer shall be furnished.

- d. The bidders should not be blacklisted by any department of the Government of India or any State Government and Private organization in the past. There should not be any criminal case registered against the bidding firm or its owners/partners anywhere in India. An undertaking to this effect in the Company letter head duly signed by the owner / partner or both to be enclosed, as per [Annexure-V](#).

6. SUBMISSION OF BIDS

The Online bids (complete in all respect) must be uploaded online in single covers as explained below:

- i. The following documents are to be furnished as single PDF file by the bidder(s) as per the tender document except [Annexure-II](#) of Price bid-BoQ
- ii. Authorized Dealership Certificate from OEM, failing which the Bid will not be considered for evaluation.
- iii. Bid declaration form as per [Annexure - IV](#).
- iv. Undertaking certificate as per [Annexure – V](#).
- v. Copy of PAN and GST Registration.
- vi. EMD Payment receipt/MSME Certificate for Exemption.
- vii. Duly (Digitally) Signed Tender document and it's all annexures.
- viii. [Annexure-II](#) of Price bid –BoQ in MS Excel “.xls” format should be uploaded in the same cover.

7. PRE-BID CLARIFICATION

If the Bidder has any query/clarifications, please e-mail to purchase@iimtrichy.ac.in till 3.00 pm, 25.04.2022.

The Answers / clarifications will be communicated to the bidder after pre-bid clarification deadline (i.e 3.00 pm, 25.04.2022).

8. OPENING OF BIDS

The tenders received from all the bidders will be opened by the Purchase Committee on **09.05.2022 at 10.05 hrs.**

The Institute reserves the right to accept or reject any or all the offer including the lowest without assigning any reason.

9. GENERAL TERM & CONDITIONS

a) PAYMENT TERMS

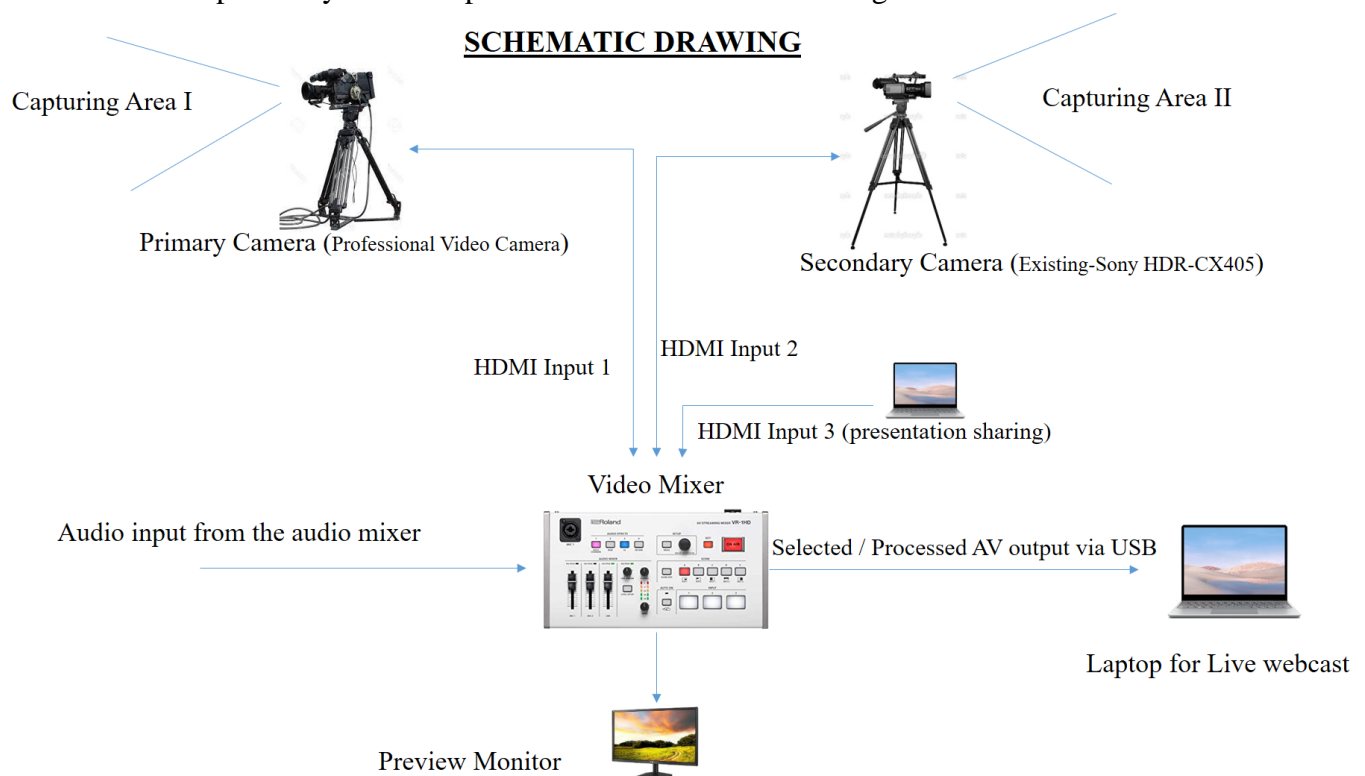
- i. No advance payment will be made in any case.
- ii. Payment will be released after supply of all the items/successful commissioning of all the items within 25 days' subject to submission of Invoice/Bill with all relevant documents like warranty certificate, etc.
- iii. TDS and any other Government levies applicable on bills as per Government instructions/ notifications issued from time to time shall be applicable and deducted from Supplier/Vendor/Service Provider's bills.

b) WARRANTY OF QUALITY

- The item supplied should carry the warranty as per requirement mentioned in Technical Specification Section ([Annexure – III](#)).
- The defects, if any, during the guarantee/warranty period are to be rectified free of charge by arranging free replacement wherever necessary.

c) INTEGRATION

- The vendor has to ensure that the supplied equipment's can be connected without any interoperability issues as per the below schematic drawing:



Note: Custom made audio cable to be provided for connecting the audio input from the audio mixer to the proposed Video mixer.

d) PENALTY CLAUSE

Deficiency/delay in Supply will be construed as lapses on the part of the vendor. Such lapses due to vendor will be viewed seriously and penalties will be imposed on the vendor in case of any delay in providing the required materials as covered by this Tender within the stipulated date and timings. IIM Trichy reserves the right to impose the penalty and the quantum of the penalty will be decided in individual cases and decision of the competent authority at IIM Trichy, shall be final and binding

In case, the Vendor fails to supply the items within specified delivery period, the same items will be obtained from open market and the difference of cost, if any, will be recovered from EMD or from pending bill(s) of the defaulting firm or the Vendor if the recoverable amount exceeds the amount of EMD and if there are no pending bills due to be paid to the respective Vendor.

e) DELIVERY SCHEDULE

- i. The successful bidder should complete the Supply of Professional Video Camera (Camcorder), Active HDMI Optical Fiber Cable, Full HD AV Streaming Mixer, Heavy Duty Adjustable Tripod to IIM Tiruchirappalli within 20 days from receipt of the Purchase Order.
- ii. In case, the firm fails to supply the required items within specified period, the Purchase Order as a whole may be terminated. Applicable penalties would be levied to the supplier/vendor. The decision of the competent authority in the matter of penalties would be final and binding.

f) Additional Quantity Clause:

IIM Trichy shall exercise an option to procure an additional Quantity of the items in addition to the quantity initially mentioned in the tender under the same rate, terms & conditions of the tender. It will be entirely at the Buyer's discretion (IIM Trichy) to exercise this option or not.

g) Repeat Order Clause:

IIM Trichy shall place the repeat order for the same quantity of the items or less as per the rate quoted by the successful Bidder(L1) within six months from the date of supply/successful completion of the work and also with the same terms & conditions of the tender. In extraordinary circumstances, repeat order shall be placed within 1(one) year. It would be entirely at the discretion of the buyer (IIM Trichy) to place the repeat order or not.

h) CONDITIONAL BIDS

Conditional bids or Bids based on the process / basic schemes other than mentioned and / or not conforming to the technical specifications / requirements of the Bidding documents will not be considered.

i) BIDS CRITERIA

- i. The Bidder should quote the rates for all the items mentioned in the Price Bid, failing which the Bid will not be considered for evaluation.
- ii. The Rates quoted by the tenderer should be inclusive of all charges (Delivery to IIM Trichy), Supply, Packing, Loading and unloading, etc. but **except GST** and must hold good till the completion of the supply/work and shall not be subjected to any escalation. No claim on this account what so ever shall be entertained at any stage including the extended period, if any.
- iii. Price Bid i.e. BoQ given with the tender to be submitted after filling all relevant information and it should be submitted **only for the Brands and specifications/Models mentioned in the price Bid ([Annexure-II](#))** and as per the format available with the tender failing which the offer will be rejected (renaming or changing the format of BoQ) will not be acceptable. The Bidder should quote the price inclusive of all charges but **exclusive of GST**.
- iv. The quantities mentioned in Price Bid are tentative and shall be increased or decreased depending upon the requirements of the Institute.

- v. **Price Bid** (BoQ) given in tender to be submitted after filling all relevant information. The priced BoQ should be submitted strictly as per the Price Bid (BoQ) **Annexure-II**, failing which the offer will be rejected.
- vi. Arithmetical errors, if any, shall be rectified on the following basis. If there is a discrepancy between the unit price and total price, then the unit price shall prevail and the total price shall be corrected by the Institute. If the Bidder does not accept the correction of the errors, the bid shall be rejected. All Rates, Prices, Amounts and Sums quoted by the bidder shall be in Indian currency only. The language used throughout shall be English.

j) VALIDITY OF BIDS AND RATES

- i. All the quoted rates would be valid until the completion of the contract. No escalation of price whatsoever would be allowed during the currency of the contract, including extended period if any.
 - ii. The quote shall remain valid and open for acceptance for a period of 90 days from the date of opening of the bid.
- k) Canvassing in connection with the tenders is strictly prohibited and tenders submitted by the tenderers who resort to canvassing will be liable to rejection. Any bribe, commission or advantage offered or promised by or on behalf of the tenderer to any officer or staff of IIM Trichy shall block his/ her tender from being considered. Canvassing on the part or on behalf of the tenderer will also make his tender liable to rejection.**
- l) Authority of the person signing the document:** A person signing the tender application or any documents forming part of the contract on behalf of another shall be deemed to warranty that he/she has authority to bind such other and if, on enquiry, it appears that the person so signing had no authority to do so, the IIM Trichy may without prejudice to other civil and criminal remedies cancel the contract and held the signatory liable for all cost and damages.
- m) In respect the of supply to IIM Trichy, the vendor shall be liable for depositing all taxes, levies, cess, etc. to the concerned tax collection authorities from time to time as per existing rules and regulations on the matter.**
- n) Arbitration:** In case of any unreconciled disputes between the parties IIM Trichy and the agency/firm to whom the contract had been awarded, arising out of any of the terms of the Tender document, the dispute shall be referred to a single Arbitrator mutually agreed, as per Arbitration and Reconciliation Act 1996, in Trichy jurisdiction. The decision of the Arbitrator shall be final and binding on both parties. The language of the arbitration shall be English. The Place and seat of arbitration shall be in Trichy.
- a) Jurisdiction:** All disputes arising out of this contract shall be subjected to the jurisdiction of Madurai Bench of Madras High Court.

ANNEXURE – I: PROFILE OF THE BIDDER

Sl. No.	Required Information	Description
1	Name of the agency / firm / company	
2	Address of the agency / firm / company	
3	Mobile / Telephone Number	
4	E- Mail Id	
5	Legal status (Individual, proprietary, partnership firm, limited company, etc.)	
6	Statutory details (Photocopies to be attached):	
	a. Registration number of the firm. (as per Shops and establishment act.).	
	b. PAN No. of the Agency	
	c. GST No. of the Agency	
7	Has your firm/company ever changed its name any time? If yes, provide the previous name and the reasons there for?	
8	Have you or your constituent ever left the contract awarded to you incomplete? If so, give name of the contract and reasons for not completing the contract.	
9	BANK ACCOUNT DETAILS:	
	Name of the Bank	
	Name of the Branch	
	Account Number	
	Type of Account	
	IFSC Code No. (copy of the cancelled cheque should be enclosed)	

ANNEXURE-II: (PRICE BID - BOQ)

Price Bid in MS Excel (.xls format) file should be uploaded separately as per the instructions provided in the online submission of bid

Note: The Bidder should mention the Make and Model in Price Bid wherever necessary. Bidder Should not make any changes in Brands and Specification mentioned in Price Bid and should quote the rate for only Brands and Specification Mentioned in Technical Specification Section/Price Bid, else bid will be rejected.

ANNEXURE – III (TECHNICAL SPECIFICATIONS)

Description	Approximate Quantity
Professional Video Camera Along with 64 GB Memory Card and all the Accessories as per Technical Specification mentioned in Annexure –III A Preferred Make: Sony/Panasonic/Canon Warranty: Minimum 2 years from the date of Supply. <i>Indicate here the Make & Model of the Item for which the price is quoted</i> <hr/>	01 No.
Full HD AV Streaming Mixer with Min. 1 Year Warranty as per Technical Specification mentioned in Annexure –III B Preferred Make: Bose/Roland/Extron/Crestron <i>Indicate here the Make & Model of the Item for which the price is quoted</i> <hr/>	01 No.
Heavy Duty Height Adjustable Tripod For Mounting The Professional Camera as per Technical Specification mentioned in Annexure –III C	01 No.
Active Optical HDMI Cable (Minimum 15Metres) as per Technical Specification mentioned in Annexure –III D Preferred Make: Kramer/Extron/Crestron/AMX <i>Indicate here the Make & Model of the Item for which the price is quoted</i> <hr/>	01 No.

Note:

The Bidder Should quote the rate only for the Make and Model mentioned in The Price Bid, else the bid will be rejected.

ANNEXURE – III A

PROFESSIONAL VIDEO CAMERA ALONG WITH 64 GB MEMORY CARD AND ALL THE ACCESSORIES.	
Weight	Maximum 2100 g (with lens hood, eyecup, NP-F570 battery) or lesser
Dimensions (W x H x D)	171.3 × 187.8 × 371.3 mm (With the accessories (lens hood, large eyecup), excluding the grip belt and including the projecting parts)
Power Requirements	DC In: 8.4V, Battery: 7.2 V
Power Consumption	Approx. 5.9 W (while recording with LCD and AVCHD 1080/50i FX)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Battery Operating Time	At least. 150 min. while recording with LCD, AVCHD 1080/50i FX
Recording Formats (Video)	XAVC S: MPEG4-AVC/H264 4:2:0 Long profile
	AVCHD : MPEG-4 AVC/H.264 AVCHD 2.0 format compatible
	DV
Recording Format (Audio)	XAVC S 4K : Linear PCM 2ch, 16bit, 48kHz
	XAVC S HD : Linear PCM 2ch, 16bit, 48kHz
	AVCHD : Linear PCM 2ch, 16-bit, 48 kHz / Dolby Digital 2ch, 16-bit, 48 kHz
	DV : Linear PCM 2ch, 16-bit, 48 kHz
Recording Frame Rate	XAVC S 4K (3840 x 2160) @25p, 100Mbps/60Mbps
	XAVC S HD (1920 x 1080) @50p, 25p, 50 Mbps
	AVCHD (1920 x 1080) @50p, PS mode (28 Mbps)
	AVCHD (1920 x 1080) @50i/25p, FX mode (24 Mbps) FH mode(17 Mbps)
	AVCHD (1440 x 1080)@50i, HQ mode (9 Mbps) LP mode (5 Mbps)
	AVCHD (1280 x 720)@50p, FX mode (24 Mbps) FH mode (17 Mbps) HQ mode (9 Mbps)
	DV (720 x 576) @50i, 25 Mbps
Recording/Playback Time	XAVC S 4K@LPCM 2ch 100 Mbps : Approx. 75 min with 64 GB memory card
	AVCHD@LPCM 2ch FH Mode : Approx. 450 min with 64 GB memory card
	DV: Approx. 280 min with 64 GB memory card
Lens	Mount: Fixed, 3 independent manual lens rings
Zoom Ratio	12x (optical) with servo capability (24x zoom for FHD Clear Image Zoom)
Focal Length (Min)	f = 9.3 - 111.6 mm equivalent to f = 29.0 - 348.0 mm on 35 mm lens (16:9) equivalent to f = 35.5 - 426.0 mm on 35 mm lens (4:3)
Image Stabilizer	ON/OFF selectable, shift lens
Filter Diameter	M62 mm or better
Imaging Device (Type)	1.0-type (13.2 mm x 8.8 mm) back-illuminated Exmor R CMOS sensor

Effective Picture Elements	Approx. 14.2 M pixels (16:9)/Approx. 10.6 M pixels (4:3)
Built-in Optical Filters	OFF: Clear, 1: 1/4ND, 2: 1/16ND, 3: 1/64ND
Minimum Illumination	[50i] 1.7 lux (LOW LUX mode)
Shutter Speed	[50i]: 1/6 - 1/10,000
Slow & Quick Motion Function	[50i]: 1080p: Frame rate selectable 1.2.3.6.12.25,50 fps
White Balance	Preset (Indoor: 3200K, Outdoor: 5600K±7 steps, Color temperature set range: 2300-15000K), One push A, B, Auto selectable
Audio Input	XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable
Video Output	BNC (×1), Composite & HDMI (x1)
Audio Output	RCA pin
USB	
Headphone Output	Stereo mini jack (x1)
Speaker Output	Monaural
DC Input	DC jack
Remote	Stereo mini jack (x1)
HDMI Output	Type A (x1)
Monitoring	Viewfinder: 0.6cm Approx. 1.56 M dots. & LCD : Min 8.5 cm
Built-in Microphone	Omni-directional stereo electret condenser microphone.
Supplied Accessories	Charger, Lens hood, Lens cap, Large eyecup, Shoe cap, USB cable, Rechargeable battery pack, AC Adaptor, Power cord (mains lead), Wireless Remote Commander (1) along with Lithium battery, Operating Guide , Warranty document.
Additional item	64 GB Memory Card
Warranty	2 Years. Warranty Certificate should be submitted at the time of delivery of the item.
Approved Makes	Sony / Panasonic / Canon

ANNEXURE – III B

FULL HD AV STREAMING MIXER WITH MIN. 1 YEAR WARRANTY	
Input Connectors	VIDEO INPUT: HDMI type A x 3 Nos HDCP Supported Multi-format Supported
Output Connectors	HDMI type A X 3 Nos HDCP Supported USB STREAM port: USB B type
Input formats (Min. requirement)	480/59.94i, 576/50i, 480/59.94p, 576/50p, 720/59.94p, 720/50p, 1080/59.94i, 1080/50i, 1080/59.94p, 1080/50p, VGA (640 x 480/60 Hz), SVGA (800 x 600/60 Hz), XGA (1024 x 768/60 Hz), HD (1280 x 720/60 Hz), WXGA (1280 x 800/60 Hz), SXGA (1280 x 1024/60 Hz), FWXGA (1366 x 768/ 60 Hz), SXGA+ (1400 x 1050/60 Hz), UXGA (1600 x 1200/60 Hz), FHD (1920 x 1080/60 Hz), WUXGA (1920 x 1200/60 Hz)
Output formats (Min. requirement)	MAIN, MONITOR connectors: 720/59.94p, 720/50p, 1080/59.94i, 1080/50i, 1080/59.94p, 1080/50p, XGA (1024 x 768/60 Hz) (*1), WXGA (1280 x 800/60 Hz) (*1), SXGA (1280 x 1024/60 Hz) (*1), FWXGA (1366 x 768/60 Hz) (*1), SXGA+ (1400 x 1050/60 Hz) (*1), UXGA (1600 x 1200/60 Hz), FHD (1920 x 1080/60 Hz), WUXGA (1920 x 1200/60 Hz) USB STREAM port: 854 x 480/29.97p, 854 x 480/25p, 854 x 480/59.94p, 854 x 480/50p, 720/29.97p, 720/25p, 720/59.94p, 720/50p, 1080/29.97p, 1080/25p
Video Effects	Scene: Picture in Picture and Split (side by side) Transition: Black fade, Mix fade, Motion Key Composition: Luminance key, Chroma key Others: Still Image playback, Output fade (Audio, Video: WHITE or BLACK), Test pattern output
Audio Processing	Sample rate: 48 kHz, 24 bits
Audio formats	Linear PCM, 48 kHz, 24 bits, stereo via HDMI USB STREAM port: Linear PCM, 48 kHz, 16 bits, stereo
Audio Input Connectors	HDMI type A connectors X 3 MIC IN 1--2 jacks: Combo type (XLR, 1/4-inch TRS phone), phantom power (DC 48 V, 10 mA Max) LINE IN jacks: RCA phono type or equivalent suitable for the integration
Audio Output Connectors	MAIN & Monitor connector: HDMI type A LINE OUT jacks: RCA phono type or equivalent USB STREAM port: USB B type PHONES jack: Stereo miniature phone type (anyone suitable for phones)
Nominal Audio Output Level (Min. requirement)	LINE OUT jacks: -10 dBu (Maximum input level: +8 dBu) PHONES jack: 92 mW + 92 mW (32 ohms)
Output Impedance (Min requirement)	PHONES jack: 10 ohms LINE OUT jacks: 1 k ohms

Audio Effects	Auto mixing, Echo canceller, Howling canceller, EQ, Delay, Compressor, HPF, Gate, Reverb, Limiter, Voice changer
Audio Player	Number of Players: 4
	Data Format: WAV (Linear PCM, 48 kHz, 16 bits stereo/44.1 kHz, 16 bits, stereo)
General requirements	
Connectors	USB MEMORY port (HOST): USB A type (For USB flash drive, Still image, Audio player)
	USB STREAM port (DEVICE): USB B type (For USB-VIDEO (USB 3.0), USB-AUDIO (USB2.0): stereo 1 IN/1 OUT, Remote control)
	DC IN jack
Functions	Scene memory : 5, Panel lock function, EDID emulator, Auto switching (Auto scan, Beat sync switching, Video follow audio)
Power Supply	AC (Direct or Adaptor)
Accessories	Startup Guide, Leaflet “USING THE UNIT SAFELY”, AC adaptor(if applicable), Power cord
Approved make	Bose/Roland/Extron/Crestron
Warranty	One Year. Warranty Certificate should be submitted at the time of delivery of the item.

ANNEXURE – III C

HEAVY DUTY HEIGHT ADJUSTABLE TRIPOD FOR MOUNTING THE PROFESSIONAL CAMERA	
Maximum Load	15 Kgs
Maximum Height	Between 1800 & 1850 mm
Minimum Operating Height	Between 850 & 900 mm
Folded Height	Less than 900 mm
Weight of the Tripod	4 to 5 Kgs
Sections	3
Aesthetics & finishing	Aesthetically good with powder coating or lamination coating.
Support	<ul style="list-style-type: none"> • 2-way head with adjustable PAN • Bubble head to adjust the horizontal position • Multipurpose head with quick release • Steady Rubberized leg or equivalent • Flip locking system for fast setup or equivalent
Make	Suitable premium make should be provided with necessary certification, failing which the item will not be accepted.

ANNEXURE – III D

ACTIVE OPTICAL HDMI CABLE	
Length	15 Meter
signal resolution	Up to 4K@60Hz (4:4:4)
Type	Armored cable (inbuilt or custom made)
High Data Transfer Rate	Up to 18Gbps
Small Bending Radius	Only 6mm (0.24”).
Jacket Construction	Low smoke & halogen free.
Compliance/ certification	RoHS 2011/65/EU Compliant.
<i>Approved makes</i>	<i>Kramer, Extron, Crestron or AMX</i>

ANNEXURE-IV: BID DECLARATION FORM

To

The CAO (i/c)

IIM Tiruchirappalli

Pudukkottai Main Road,

Chinna Sooriyur Village,

Tiruchirappalli - 620 024,

I, _____(name of the person) hereby declare that I am authorized to sign this document and that:

- a. All the statements made in this application are true, complete and correct to the best of my knowledge and belief. I understand that if at any stage, it is found that any information given in this application is false/ incorrect or that our agency does not satisfy the eligibility criteria, our candidature/empanelment is liable to be cancelled/ terminated.
- b. I understand that the decision taken by the IIM Trichy is final and binding in all matters.
- c. I hereby agree to work as per the terms and conditions stipulated by IIM Trichy.
- d. I understand that the IIM Trichy reserves the right to accept or reject and to cancel the tender and reject all bids at any time prior to the award of the contract, without detailing any specified reasons whatsoever.

Authorized signatory with seal

ANNEXURE – V (UNDERTAKING CERTIFICATE)

It is certified that I, _____ (name of the person)

S/o. Shri _____ r/o _____

_____ am

authorized to sign this document on behalf of M/s. _____

(the name of the firm / company which is bidding in this tender) and that our firm / company have never been blacklisted by any of the Government Organization / Agencies in the past and there is no criminal case registered against our firm / company or its owner / partners anywhere in India.

Name:

Place:

Designation:

Date:

Signature: