

Sub: Notice Inviting Tender for the Supply of Professional Video Camera (camcorder), Active HDMI Optical Fiber Cable, Full HD AV Streaming Mixer, Heavy Duty Adjustable Tripod to IIM Tiruchirappalli

Indian Institute of Management Tiruchirappalli (IIM Tiruchirappalli), an Institute of National Importance, established by the Ministry of Education (Shiksha Mantralaya), Govt. of India. More details about IIM Tiruchirappalli are available on our website <http://www.iimtrichy.ac.in>.

IIM Tiruchirappalli invites a Tender for the Supply of a Professional Video Camera (camcorder), Active HDMI Optical Fiber Cable, Full HD AV Streaming Mixer, Heavy Duty Adjustable Tripod to IIM Tiruchirappalli as per the specifications on the terms and conditions given below:

Sl. No	Description	Qty	Rate Per Unit	Total Amount
1	Professional Video Camera Along with 64 GB Memory Card and all the Accessories as per Technical Specification mentioned in <u>Annexure - I A</u> 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>	01 No.		
2	Full HD AV Streaming Mixer with Min. 1 Year Warranty as per Technical Specification mentioned in <u>Annexure - I B</u> Preferred Make: Bose/Roland/Extron/Crestron <i>Indicate here the Make & Model of the Item for which the price is quoted _____</i>	01 No.		
3	Heavy Duty Height Adjustable Tripod for Mounting The Professional Camera as per Technical Specification mentioned in <u>Annexure - I C</u>	01 No.		
4	Active Optical HDMI Cable (Minimum 15Metres) as per Technical Specification mentioned in <u>Annexure - I D</u> , Preferred Make: Kramer/Extron/Crestron/AMX <i>Indicate here the Make & Model of the Item for which the price is quoted _____</i>	01 No.		
Total Amount including supply, Labour, Loading, Unloading, Packing, Forwarding, Freight Charges and excluding GST				

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

V Priya
02/05/2023

V Priya
In Charge (Stores & Purchase)

Terms & Conditions:

1. The above cost should be inclusive of supply, Labour, Loading, Unloading, Packing, Forwarding, Freight Charges and excluding GST. *No extra amount will be paid apart from the above-quoted price.*
2. **Delivery at:**
Stores and Purchase Department, 2nd floor of Admin Block,
Indian Institute of Management Tiruchirappalli,
Trichy- Pudukkottai High way, Chinna Suriyur, Tiruchirappalli – 620 024.
Contact: Email: purchase@iimtrichy.ac.in; Phone: 0431 – 2505121/22
3. The Bidder (s) should be registered with the Goods and Services Tax Council for the purpose of Goods & Service Tax (GST). A copy of the GST registration certificate has to be submitted with the tender document. A copy of the GST Registration Certificate, PAN and Bank account details should be submitted along with the Bid. The names appearing on all these documents and the tender document should be the same or linked.
4. *The bidder should provide warranty certificates along with the product.*
5. **Delivery Schedule:**
 - a) The successful bidder should complete the Supply of a 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.
 - b) In case, the firm fails to supply the required items within the 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.
6. **Payment Terms:**
 - a) No advance payment will be made in any case.
 - b) 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.
 - c) 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.

Priya
03/05/2023

V Priya

In Charge (Stores & Purchase)

7. Warranty of Quality:

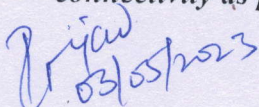
- a) The item supplied should carry the warranty as per the requirement mentioned in Technical Specification Section (Annexure – I).
- b) The defects, if any, during the guarantee/warranty period are to be rectified free of charge by arranging free replacement wherever necessary.

8. Penalty Clause:

Deficiency/delay in Supply will be construed as lapses on the part of the vendor. Such lapses due to the 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 Tiruchirappalli shall be final and binding

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

9. The quote shall remain valid and open for acceptance for a period of 90 days from the date of opening of the bid.
10. **Subletting of Work:** The firm/agency should not assign or sublet the work/job or any part of it to any other person or party. The Tender is not transferable. Only one Tender shall be submitted by one tenderer.
11. **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.
12. **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.
13. **5% deviation from the technical specification is acceptable only if does not affects the connectivity as per the schematics given in this document.**


03/05/2023

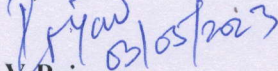
V Priya

In-charge (Stores & Purchase)

14. Performance Security Details:

- a. The successful Bidder will be required to remit an interest-free Performance Security Deposit of 3 % of the Work Order value through online transfer to IIM Tiruchirappalli Bank Account, within ten working days from receipt of the work order. *The security deposit will be refunded to the vendor after completion of the warranty period and adjusting applicable deductions, if any.* Performance Security will be forfeited if the vendor fails to perform/abide by any of the terms or conditions of the contract.
 - b. In case, the Vendor fails to provide the required services as covered by this Tender within a specified delivery period, the same items will be obtained from the open market, and the difference of cost, if any, will be recovered from the Performance Security or from the pending bill(s) of the defaulting firm or from the vendor if the recoverable amount exceeds the Performance Security and there are no pending bills due to be paid to the respective vendor.
15. Bidder should take into account the corrigendum/Addendum published in the IIM Tiruchirappalli website in the tender page from time to time before submitting the bids.
16. If you have any technical queries, please e-mail: saict@iimtrichy.ac.in with a copy to purchase@iimtrichy.ac.in. You may also call in **Phone: 0431 – 250 5047/5073 before submission of the quotation.**
17. *The vendor should quote the rate for all the items, failing which the quotation will not be considered for further evaluation.*
18. *The bidder should submit the tender/quotation duly signed and stamped on all the pages.*
19. IIMT reserves the right to change/ extend/ modify/ amend or delete any of the conditions, clause or items stated therein any or all provisions of this tender document. Such revisions / amended/ corrigendum will be made available on the website of the IIMT Tender portal.
20. IIMT also reserves the right to withhold or withdraw the process at any stage with intimation to all the bidders who have submitted the quotation/tender.
21. **IIMT** will not be responsible for any loss in transit or postal delay.
22. Tax will be deducted as per the rule in force.
23. **Arbitration:** In case of any unreconciled disputes between the parties IIM Tiruchirappalli and the agency/firm to whom the contract had been awarded, arising out of any of the terms of the Contract Agreement, the dispute shall be referred to a single Arbitrator mutually agreed, as per Arbitration and Reconciliation Act 1996, in Tiruchirappalli jurisdiction. The decision of the Arbitrator shall be final and binding on the both parties.
24. **Jurisdiction:** All disputes arising out of this contract shall be subjected to the Courts at

Tiruchirappalli.


V. Priya

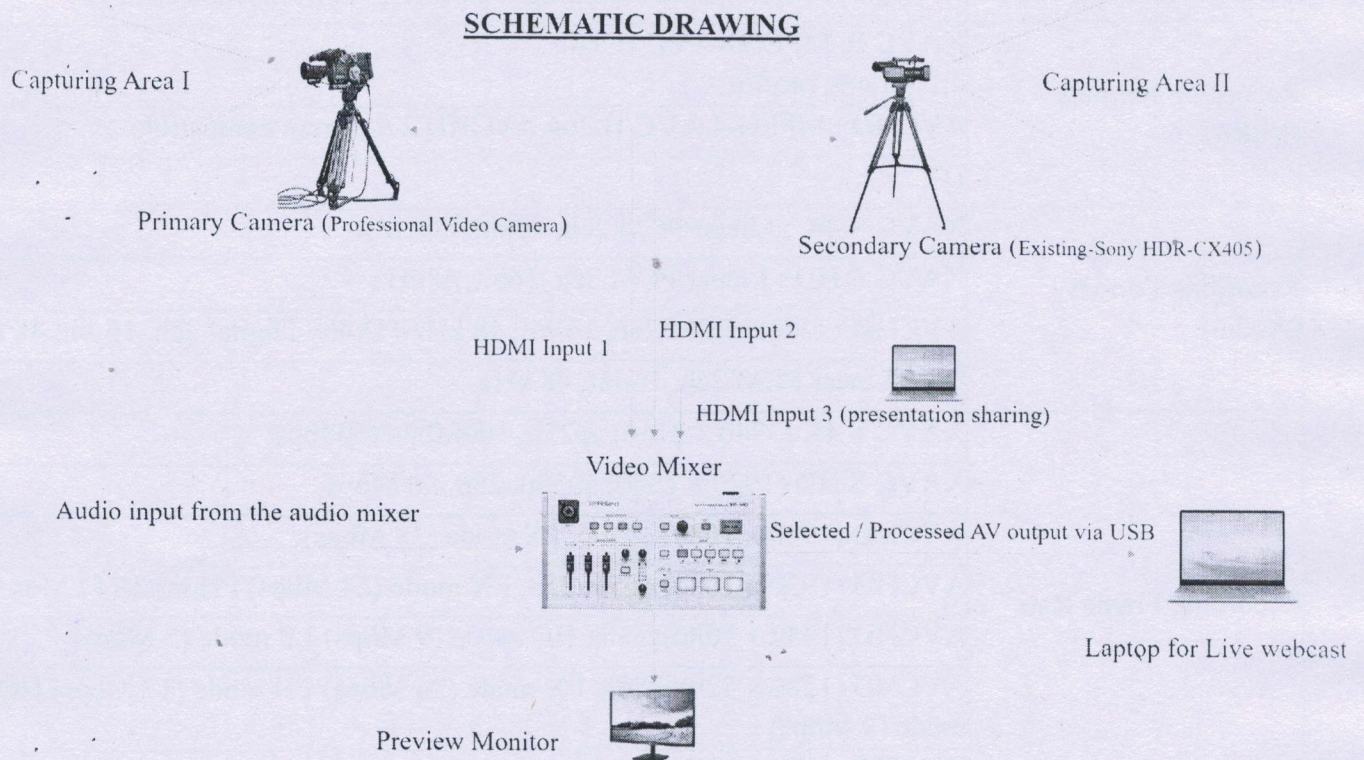
In Charge (Stores & Purchase)

25. **Force Majeure:**

- a) Should any force majeure circumstances arise, each of the contracting parties be excused for the non-fulfillment or for the delayed fulfillment of any of its contractual obligations, if the affected party within 15 days of its occurrence informs in a written form the other party.
- b) Force Majeure shall mean fire, flood, natural disaster, or other acts such as war, turmoil, sabotage, explosions, epidemics, quarantine restriction, strikes, and lockouts i.e. beyond the control of either party.

26. GST Number of IIM Tiruchirappalli is **33AAAI5004R1ZO**.

27. **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.

Tenders should be submitted in the sealed cover super scribing **“Tender for Supply of a Professional Video Camera (camcorder), Active HDMI Optical Fiber Cable, Full HD AV Streaming Mixer, Heavy Duty Adjustable Tripod to IIM Tiruchirappalli”** addressed to, “The Chief Administrative Officer (i/c), IIM Tiruchirappalli, Trichy Pudukkottai Highway, Chinna Suriyur, Trichy – 620 024 to reach us **on or before 05.00 PM, May 23, 2023.**

Priya
03/05/2023

V Priya

In Charge (Stores & Purchase)

ANNEXURE – I 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)

V Priya
03/05/2023

V Priya

In Charge (Stores & Purchase)

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

V Priya
03/05/2023

V Priya

In Charge (Stores & Purchase)

ANNEXURE - I 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)

Priya
03/05/2023

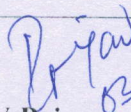
V Priya

In Charge (Stores & Purchase)

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), USBAUDIO (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 - I 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 the necessary certification, failing which the item will not be accepted.


 03/05/2023
V Priya

In Charge (Stores & Purchase)

Tender Ref, No. 23SP054T

May 02, 2023

ANNEXURE – I 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.
Approved makes	<i>Kramer, Extron, Crestron or AMX</i>

V Priya
03/05/23

V Priya

In Charge (Stores & Purchase)