

**COMSATS University Islamabad  
Sahiwal Campus**

**TENDER DOCUMENTS**

**For**

**Procurement of Video Camera with Accessories for Media Office of CUI  
Sahiwal Campus**

**(Tender No. CUI/SWL/Procurement/FY 23-24/01/167)**

**(Single Stage Two Envelop Procedure)**

**Submission and Opening Date for Tender:**

**August 02, 2023 (Wednesday)**

**Submission Time: 1400 hours**

**Opening Time: 1430 hours**

**Tender Issued to M/s \_\_\_\_\_**

**August 2023**



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**Purchase Department**

COMSATS Road, Off G.T.Road, Sahiwal

Tel: 040-4305666-Ext-128 & 186

Web: <https://www.sahiwal.comsats.edu.pk/Tenders.aspx>

**Signature & Stamp of Bidder**

**Invitation to Bid**

(Tender No. CUI/SWL/Procurement/FY 23-24/01/167)

**Procurement of Video Camera with Accessories for Media Office of CUI Sahiwal Campus**

1. COMSATS University Islamabad, Sahiwal Campus, a public sector organization invites sealed bids from the **reputed firms/authorized distributors/general order suppliers** registered with income and sales tax departments and who are on active taxpayers list (ATL) of FBR for the work titled “**Procurement of Video Camera with Accessories for Media Office of CUI Sahiwal Campus**”.
2. The procedure of open competitive bidding is **Single Stage-Two Envelope**.
3. Bidding documents, which are containing detailed terms and conditions, method of procurement, procedure for submission of bids, bid security, bid validity, opening of bid, evaluation criteria, clarification/rejection of bids, performance guarantee etc. are available for the interested bidders at “Purchase and Store Department, COMSATS Road, Off G.T.Road, Sahiwal”. The non-refundable fee of bidding document is Rs. **1,000 (One Thousand Rupees Only)** in shape of pay order/Demand Draft in favor of CUI, Sahiwal.
4. Security deposit of **Rs: 45,000/** in the form of Bank deposit / CDR / Pay order (refundable) as a Bid Security in favor of “COMSATS University Islamabad, Sahiwal Campus”. Any bid which is not accompanied along with bid security shall be rejected by the CUI, Sahiwal as non-responsive and without any right of appeal.
5. The bids, prepared in accordance with the instructions in the bidding documents, must reach Purchase and Store department, COMSATS Road, Off G.T.Road, Sahiwal on or before 1400 hours on **August 02, 2023 (Wednesday)**. Bids will be opened at 1430 hours on the same day, in the presence of bidder’s representatives who choose to attend at the same address. This advertisement is also available on the PPRA website at [www.ppra.org.pk](http://www.ppra.org.pk) and on the Campus Website at <https://sahiwal.comsats.edu.pk/Procurement/Tenders.aspx>

**Muhammad Umar Irshad**  
**In-charge Purchase Department**  
**Cell No: 0300-6907240**

**Signature & Stamp of Bidder**

**TERMS AND CONDITIONS OF THE TENDER**

1. **Eligible Bidders.** - Bidding is open to all firms and persons meeting the following requirements:
  - a) Registered with Income and Sales Tax Departments, Government of Pakistan
  - b) and who are on Active Taxpayers List (ATL) of Federal Board of Revenue (FBR), Government of Pakistan.
  
2. **Tender Document Fee (Non-Refundable).** - Bidding documents along with Pay Order / Demand Draft amounting to **Rs. 1,000/-** as a tender document fee (Non-Refundable) shall be submitted in favor of COMSATS University Islamabad, Sahiwal Campus to the address given below. No bid will be accepted without tender documents' fee.
  
3. **Bid Security (Refundable).** - Security deposit of **Rs: 45,000/** in the form of Bank deposit / CDR / Pay order (refundable) as a Bid Security in favor of "COMSATS University Islamabad, Sahiwal Campus". Any bid which is not accompanied along with bid security shall be rejected by the CUI, Sahiwal as non-responsive and without any right of appeal. Attach Earnest money with the Financial Proposals.
  - a. The bid securities of unsuccessful bidders will be returned upon award of contract/Issuance of Purchase Order to the successful bidder or expiry of the validity of Bid Security whichever is earlier.
  
  - b. The Bid Security may be forfeited:
    - i. If a bidder withdraws his bid during the period of bid validity
    - ii. If a bidder does not accept the correction of his bid price
    - iii. in case of a successful bidder, if he fails to sign the contract agreement or execute the work as specified in the bill of quantities (BoQ).
    - iv. in case of non-performance of the contract, delayed supply/installations or substandard supply/installation, short in quantity, the security deposit will be forfeited and the firm will be blacklisted.
  
4. **Bid validity.** - All prices should be valid for at least **60 days**. Withdrawal or any modification of the original offer within the validity period shall entitle CUI, Sahiwal Campus to forfeit the earnest money in favor of the CUI, Sahiwal Campus and / or put a ban on such vendor participation in CUI, Sahiwal Campus tenders / works.

5. **Performance Guarantee (Refundable):** 05% of the total value of the Invoice or a Bank Guarantee issued by a Scheduled Bank in Pakistan will be retained as security by COMSATS University Islamabad, Sahiwal Campus which will be released after the completion of warranty period, which is one year from the date of delivery / completion of work / supply. Insurance Guarantee is not acceptable. After finalization of the bid and signing contract performance guarantee is required to be submitted and bid security is to be released.
6. The Purchase/Work Order will be awarded on **Grand Total Basis**.
7. All prices should be quoted on F.O.R (Pak Rupees).
8. **Delivery time or Completion Schedule.** – The exact completion/delivery time from the date of the purchase / work order will be **30 days**. The handing over / completion time for this contract is of critical importance.
9. The bid proposal should be inclusive of freight and all other taxes and we need delivery of items at COMSATS University Islamabad, **Sahiwal** Campus's premises.
10. All pages (BoQs & Terms & Conditions) are mandatory to be signed / stamped, failing which the bid may be rejected
11. Any addition, deletion or modification of any clause of the procurement terms & conditions of CUI by any vendor will not be accepted and may lead to rejection of the bid.
12. **Site Visits/Concerned Office.** - Before quoting, the bidder in his own interest can visit the **Store Section of CUI Sahiwal Campus/Concerned Office for sample/specifications/requirements of each item** and to know the full implications of the assignment. This will help him in proper assessment of the work. Failure to do so will not absolve the vendor of his responsibility to carry out the work as specified in the tender documents. The cost of visiting the site shall be borne by the vendor and shall be at his own responsibility and risk.
13. The bid form (BoQs) must be duly filled in, stamped and signed by the authorized representative of the bidder.
14. **Method of Procurement.** – COMSATS University Islamabad, Sahiwal Campus, will follow the PPRA rule of **single stage two envelope procedure**;

- i. The bid shall comprise a single package containing **Two Separate Envelopes**. Each envelope shall contain separately the **Financial Proposal** and the **Technical Proposal**;
- ii. The envelopes shall be marked as “**FINANCIAL PROPOSAL**” and “**TECHNICAL PROPOSAL**” in bold and legible letters to avoid confusion;
- iii. Initially, only the envelope marked “**TECHNICAL PROPOSAL**” shall be opened;
- iv. The envelope marked as “**FINANCIAL PROPOSAL**” shall be retained in the custody of the procuring agency without being opened;
- v. The procuring agency shall evaluate the technical proposal in a manner prescribed in advance, without reference to the price and reject any proposal which does not conform to the specified requirements;
- vi. During the technical evaluation no amendments in the technical proposal shall be permitted;
- vii. The financial proposals of bids shall be opened publicly at a time, date and venue announced and communicated to the bidders in advance;
- viii. After the evaluation and approval of the technical proposal the procuring agency, shall at a time within the bid validity period, publicly open the financial proposals of the technically accepted bids only. The financial proposal of bids found technically nonresponsive shall be returned un-opened to the respective bidders;
- ix. and the bid found to be the lowest evaluated bid shall be accepted.

**15. Submission and Opening of bids.** - The bid should be submitted in a sealed envelope in such manner that the contents are fully enclosed and cannot be known until duly opened. The sealed bids must reach up to **August 02, 2023 (Wednesday)** on or before **1400 hours** and will be opened on the same date **at 1430 hours** in the presence of available bidders. All bids submitted after the time prescribed shall be rejected and returned without being opened.

**16.** In case, the opening date is declared as a public holiday by the Government, the next working day shall be deemed the date for submission and opening of the tender at the same time and venue.

**17.** After the opening of bids, COMSATS University Islamabad, Sahiwal Campus will examine the bids for completeness as per tender document.

**18.** The envelope should be marked as under;

**Secretary, Purchase Committee**

**COMSATS University Islamabad, Sahiwal Campus** COMSATS Road, Off G.T Road, Sahiwal. Tel: 040-4305001-05, Ext: 128. The envelope shall also bear the word “CONFIDENTIAL” and following identification quotation of **“Procurement of Video Camera with Accessories for Media Office of CUI Sahiwal Campus”**.

- 19. Clarification of bids.** - After the opening of bids, bidders are not allowed to alter or modify his bid. However, the procuring agency may seek and accept clarifications to the bid that do not change the substance of the bid.
- 20. Arithmetic Errors.** The Tender shall be checked for any arithmetic errors which shall be rectified. The Tender Price as determined after arithmetic corrections shall be termed as the Corrected Total Tender Price which shall be binding upon the Tenderer.
- 21. Evaluation of bids.** - Bids will be evaluated in accordance with the evaluation criteria and other terms and conditions set forth in the bidding documents.
- 22. Evaluation Criteria:** Financial bids will be evaluated on the basis of the following criteria:
- The Tender will be evaluated on **Grand Total Basis**.
  - Company Profile and copies of CNIC, National Tax Number (NTN) and General Sales Tax (GST) certificates should be attached.
  - Warranty will be on the part of the supplier, which is **at least one year** starting from the date of the job completion.
  - Experience of the firm for providing services regarding I.T items/Electronics Devices general order supplies to any Federal or Provincial Government Department, Agency, Organization or autonomous body or Private Sector Organization anywhere in Pakistan. Please attach Purchase Orders/Work Orders with the proposal.
  - The Tenderer is a bidder who has not been blacklisted by any Federal or Provincial Government Department, Agency, Organization or autonomous body or Private Sector Organization anywhere in Pakistan. The vendor will provide this undertaking on judicial stamp paper.
- 23. One Bid per Bidder.** - Conditional or alternative bids are not allowed. Bidders are required to quote one bid/one brand. If bidders quote two bids/different brands then their

bids are liable to be rejected. However, the alternative bids with separate bid security can be accepted.

- 24.** COMSATS University Islamabad, Sahiwal Campus reserves the rights to reject the bid if;
- i. Received without earnest money
  - ii. Received later than the date and time fixed for tender submission
  - iii. The tender is unsigned/ unstamped
  - iv. The offer is ambiguous
  - v. The offer is conditional
  - vi. Offer is made by the unauthorized agent/ supplier of the original equipment manufacturer (If, required under tender clause No. 21).
  - vii. The offer is from a firm, which is blacklisted by any Govt. Office.
  - viii. The offer is received by telephone/telex/fax/telegram.
  - ix. Any unsigned / ambiguous erasing, cutting / overwriting etc. are made.
- 25.** The Employer will inspect the supplied and provided items to verify their conformity to the Technical Specifications given in BoQ. The inspection will be conducted at the final destination.
- 26.** It is the sole responsibility of the agent / supplier / manufacturer to comply with the applicable laws, be national or international.
- 27.** Purchase order (s) will be awarded to the lowest or technically recommended bidder (s) on the basis of item wise / subtotal wise / grand total wise according to the nature of BoQs.
- 28. Rejection of bids.** - COMSATS University Islamabad, Sahiwal reserves all the rights to reject all bids or proposals at any time prior to the acceptance of a bid or proposals. CUI, Sahiwal Campus will communicate the grounds for rejection of bids upon request of any supplier or contractor but not liable to justify those grounds
- 29.** The contract will be executed and handed over in satisfactory conditions up to the entire satisfaction of COMSATS University Islamabad, Sahiwal Campus
- 30. Force Majeure.** - The Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages, or termination for default if and to the extent that its delay

in performance or other failures to perform its obligations under the Contract is the result of an event of Force Majeure.

- a) For purposes of this Clause, “Force Majeure” means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- b) If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practicable and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

**31. Extensions of Time.** -If at any time after issuance of Purchase Order, the Supplier should encounter conditions impeding timely delivery of the Items pursuant to tender Clause 07, the Supplier shall promptly notify the Purchaser in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier’s notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier’s time for delivery, in which case the extension shall be ratified by the parties by amendment of the Contract.

- a) Except in case of Force Majeure, as provided under Tender Clause 29, a delay by the Supplier in the performance of its Delivery and Completion obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to Tender Clause 31, unless an extension of time is agreed upon, pursuant to Tender Clause 30.

**32. Liquidated Damages.** If the vendor fails to deliver the goods / services to CUI-Sahiwal in time then the penalty will be charged as under:-

- a. 0.5% per day of the Purchase Order for first 10 working days.
- b. 0.75% per day of the Purchase Order, after that, up to a maximum of 10% of the sum stated in the Purchase/Work Order. Once the maximum is reached, the Purchaser may terminate the contract pursuant to tender clause 35, earnest money and payment may be forfeited.

**33.** If the delivered goods / services are not according to the required quality standards / specifications, the same shall be liable to be rejected after inspection. The vendor would



be required to supply as per requirements mentioned in our BoQs otherwise the purchase / work order will be cancelled after the due date with confiscation of earnest money.

**34. On account payments.** - Part / Advance payments are not allowed. Payment will be made on submission of Invoice in the name of “COMSATS University Islamabad, Sahiwal Campus” with a copy of delivery challan (s) after the complete order has been supplied, inspected and accepted which includes delivery / installation, and COMSATS acceptance / inspection thereof.

**35. Blacklisting of Suppliers and Contractors.** - A procuring agency can permanently or temporarily bar from participation in its respective procurement proceedings, the suppliers and contractors who either consistently failed to provide satisfactory performances or found to be indulging in corrupt or fraudulent practices.

**36. Termination.**

**35.1 Termination for Default**

(a) The Purchaser, without prejudice to any other remedy for breach of Contract, by Notice of default sent to the Supplier may terminate the Contract in whole or in part:

(i) if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to Tender Clause 30; or

(ii) if the Supplier fails to perform any other obligation under the Contract.

(b) In the event, the Purchaser terminates the Contract in whole or in part, pursuant to Tender Clause 35.1(a), the Purchaser may procure, upon such terms and in such manner, as it deems appropriate, Goods or Related Services similar to those undelivered or not performed, and the Supplier shall be liable to the Purchaser for any additional costs for such similar Goods. However, the Supplier shall continue performance of the Contract to the extent not terminated.

(c) if the Supplier, in the judgment of the Purchaser, has engaged in corrupt and fraudulent practices, in competing for or in executing the Contract.

**35.2 Termination for Insolvency**

The Purchaser may at any time terminate the Contract by giving Notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, the termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Purchaser.

### **35.3 Termination for Convenience**

The Purchaser, by Notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The Notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

The Goods that are complete and ready for shipment within twenty-eight (28) days after the Supplier's receipt of the Notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:

- (i) To have any portion completed and delivered at the Contract terms and prices; and/or
- (ii) To cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and for materials and parts previously procured by the Supplier.

**37.** In case of any grievances, the matter will be redressed as per PPRA Rules.

**38.** Deduction of Income Tax and any other tax will be deducted at source according to Government prevailing rules.

**39.** The quantities given in the Bill of Quantities are estimated and provisional and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work executed and measured by the Bidder and verified by the Department/Concerned Office and valued at the rates and prices entered in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Employer may fix as per the Contract.

**40.** The CUI, Sahiwal Campus reserves the right to modify the quantities of goods / services at any time before the award of purchase / work order.

- 41. In the case of repeat orders fifteen per cent (15%) of the Original Procurement will be considered as the permissible limit to issue variation.
- 42. The bidder should furnish a certificate as worded below in token of acceptance of all the terms and conditions of the tender. Otherwise, the tender will not be considered under any circumstances.
- 43. I / We hereby confirm to have read carefully the terms and conditions of your Tender Enquiry dated for opening on..... for the purchase of .....

We agree to abide by all these terms and conditions/instructions.

- 44. Certified that the prices quoted by our firm are inclusive of G.S.T and all taxes as per rules and regulations.

**Company / Vendor Name:**.....

**Name of Tenderer:**.....

**Postal Address:**.....

**Tel. / Mobile:**.....**Email:**.....

**NTN#:**.....**GST#:**.....

**C.N.I.C No:**.....

**Signature of Tenderer:**.....

**Date and Stamp:**.....

- Please also attach the Certificate supporting being Active Taxpayer as per the requirement of FBR.

**Bill of Quantities (BoQ) (Grand Total Basis)**

**BoQ**  
**Procurement of Video Camera with Accessories for Media Office of CUI Sahiwal**  
**Campus**

**(Tender No. CUI/SWL/Procurement/FY 23-24/01/167)**

SR.#	Item Name & Specification	QTY	Quoted Brand	Unit price (Rs.)	Total price (Rs.)
1	<p><b>Video Camera</b> Interchangeable Lens Digital Camera E-Mount</p> <p><b><u>Lens:</u></b> <b>Image Sensor</b> ASPECT RATIO: 3:2 NUMBER OF PIXELS (EFFECTIVE): Approx. 61.0 megapixels NUMBER OF PIXELS (TOTAL) Approx. 62.5 megapixels SENSOR TYPE: 35mm full frame (35.7×23.8mm), Exmor R CMOS sensor ANTI-DUST SYSTEM: Charge protection coating on optical filter and image sensor shift mechanism</p> <p><b><u>Recording (still images)</u></b> <b>RECORDING FORMAT</b> JPEG (DCF Ver. 2.0, Exif Ver.2.31, MPF Baseline compliant), RAW (ARW 2.3 format) <b>IMAGE SIZE (PIXELS) [3:2]</b> 35mm full frame L: 7952 x 5304</p>	No	01		

**Signature & Stamp of Bidder**

(42M), M: 5168 x 3448 (18M), S: 3984 x 2656 (11M), APS-C L: 5168 x 3448 (18M), M: 3984 x 2656 (11M), S: 2592 x 1728 (4.5M)

**IMAGE SIZE (PIXELS)** [16:9]  
35mm full frame L: 9504 x 5344 (51M), M: 6240 x 3512 (22M), S: 4752 x 2672 (13M), APS-C L: 6240 x 3512 (22M), M: 4752 x 2672(13M), S: 3120 x 1752 (5.5M)

**PICTURE EFFECT**

Posterization (Color),  
Posterization (B/W), Pop Color,  
Retro Photo, Partial Color (R/G/B/Y), High Contrast  
Monochrome, Toy  
Camera(Normal/Cool/Warm/Green/Magenta), Soft High-key

**CREATIVE STYLE**

Standard, Vivid, Neutral, Clear,  
Deep, Light, Portrait, Landscape,  
Sunset, Night Scene, Autumn  
leaves, Black & White,  
Sepia,Style Box(1-6), (Contrast (-3 to +3 steps), Saturation (-3 to +3 steps), Sharpness (-5 to +5 steps))

**PICTURE PROFILE**

Yes (Off / PP1-PP10) Parameters:  
Black level, Gamma (Movie, Still, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset

**DYNAMIC RANGE**

**FUNCTIONS**

Off, Dynamic Range Optimizer (Auto/Level (1-5)), Auto High Dynamic Range (Auto Exposure Difference, Exposure Difference Level (1-6 EV, 1.0 EV step))

**COLOUR SPACE**

sRGB standard (with sYCC

gamut) and Adobe RGB standard compatible with TRILUMINOS Color  
 14BIT RAW  
 Yes  
 UNCOMPRESSED RAW  
 Yes

**Recording (movie):**

**RECORDING FORMAT**

XAVC S, AVCHD format Ver. 2.0 compliant

**VIDEO COMPRESSION**

XAVC S: MPEG-4 AVC/H.264, AVCHD: MPEG-4 AVC/H.264

**AUDIO RECORDING FORMAT**

XAVC S: LPCM 2ch, AVCHD: Dolby Digital (AC-3) 2ch, Dolby Digital Stereo Creator

**COLOUR SPACE**

xvYCC standard (x.v.Color when connected via HDMI cable) compatible with TRILUMINOS Color

**PICTURE EFFECT**

7 types: Posterization (Color), Posterization (B/W), Pop Color, Retro Photo, Partial Color (R/G/B/Y), High Contrast Monochrome, Toy Camera(Normal/Cool/Warm/Green/Magenta), Soft High-key ,

**CREATIVE STYLE**

Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, Black & White, Sepia, Style Box (1-6), (Contrast (-3 to +3 steps), Saturation (-3 to +3 steps), Sharpness (-5 to +5 steps))

**PICTURE PROFILE**

Yes (Off / PP1-PP10) Parameters: Black level, Gamma (Movie, Still, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG,

HLG1-3), Black Gamma, Knee, Color\_Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset

**IMAGE SIZE (PIXELS), NTSC**

XAVC S 4K: 3840 x 2160 (30p, 100M), 3840 x 2160 (24p, 100M), 3840 x 2160 (30p, 60M), 3840 x 2160 (24p, 60M) XAVC S HD: 1920 x 1080 (120p, 100M), 1920 x 1080 (120p, 60M), 1920 x 1080 (60p, 50M), 1920 x 1080 (30p, 50M), 1920 x 1080 (24p, 50M), 1920 x 1080 (60p, 25M), 1920 x 1080 (30p, 16M) AVCHD: 1920 x 1080 (60i, 24M, FX), 1920 x 1080(60i, 17M, FH)

**IMAGE SIZE (PIXELS), PAL**

XAVC S 4K: 3840 x 2160 (25p, 100M), 3840 x 2160 (25p, 60M) XAVC S HD: 1920 x 1080 (100p, 100M), 1920 x 1080 (100p, 60M), 1920 x 1080 (50p, 50M), 1920 x 1080 (25p, 50M), 1920 x 1080 (50p, 25M), 1920 x 1080 (25p, 16M) AVCHD: 1920 x 1080 (50i, 24M, FX), 1920 x 1080 (50i, 17M, FH)

**SLOW & QUICK MOTION (SHOOTING FRAME RATE)**

NTSC mode: 1fps,2fps,4fps,8fps,15fps,30fps,60fps,120fps, PAL mode: 1fps,2fps,3fps,6fps,12fps,25fps,50fps,100fps

**SLOW & QUICK MOTION (RECORDING FRAME RATE & IMAGE SIZE)**

NTSC mode: 1920x1080 (60p, 30p, 24p), PAL mode: 1920x1080 (50p, 25p)

**MOVIE FUNCTIONS**

Audio Level Display, Audio Rec Level, PAL/NTSC Selector, Yes (1280 x 720(9Mbps)), TC/UB, (TC Preset/UB Preset/TC

Format/TC Run/TC Make/UB  
Time Rec), Auto Slow Shutter,  
REC Control, Clean HDMI  
Info.(ON/OFF selectable), Gamma  
Disp. Assist

**HDMI OUTPUT**

3840 x 2160 (25p), 1920 x  
1080(50p), 1920 x 1080(50i),  
1920 x 1080(24p), 1920 x  
1080(60p), 1920 x 1080(60i),  
3840 x 2160(30p), 3840 x  
2160(24p), YCbCr 4:2:2 8bit /  
RGB 8bit

**Recording System:**

LOCATION INFORMATION  
LINK FROM SMARTPHONE

Yes

**MEDIA**

Memory Stick PRO Duo, Memory  
Stick PRO-HG Duo, Memory  
Stick Micro(M2), SD memory  
card, SDHC memory card (UHS-  
I/II compliant), SDXC memory  
card (UHS-I/II compliant),  
microSD memory card,  
microSDHC memory card,  
microSDXC memory card

**MEMORY CARD SLOT**

SLOT1: Slot for SD (UHS-I/II  
compliant) memory card, SLOT2:  
Multi slot for Memory Stick  
Duo/SD (UHS-I compliant)  
memory card

**FOCUS TYPE:**

Fast Hybrid AF (phase-detection  
AF/contrast-detection AF)

**FOCUS SENSOR**

Exmor R CMOS sensor

**FOCUS POINT**

35mm full frame: 567 points  
(phase-detection AF), APS-C  
mode with full frame lens: 325  
points (phase-detection AF),\_with  
APS-C lens: 247 points (phase-



detection AF) / 425 points  
 (contrast-detection AF)  
**FOCUS SENSITIVITY RANGE**  
 EV-3 to EV20 (ISO100 equivalent  
 with F2.0 lens attached)  
**FOCUS MODE**  
 AF-A (Automatic AF), AF-S  
 (Single-shot AF), AF-C  
 (Continuous AF), DMF (Direct  
 Manual Focus), Manual Focus  
**FOCUS AREA**  
 Wide (567 points (phase-detection  
 AF), 425 points (contrast-  
 detection AF)) / Zone / Center /  
 Flexible Spot (S/M/L) /Expanded  
 Flexible Spot/ Lock-on AF (Wide  
 / Zone / Center / Flexible Spot  
 (S/M/L)/Expanded Flexible Spot)  
**AF ILLUMINATOR**  
 (With Built-in LED type)  
**AF ILLUMINATOR RANGE**  
 Approx. 0.3m - approx. 3.0m  
 (with FE 28-70mm F3.5-5.6 OSS)

**Viewfinder:**  
**VIEWFINDER TYPE**  
 1.3 cm (0.5-type) electronic  
 viewfinder (color), UXGA OLED  
**NUMBER OF DOTS**  
 5760000 dots  
**BRIGHTNESS CONTROL**  
 (VIEWFINDER)  
 Auto/Manual (5 steps between -2  
 and +2)  
**COLOR TEMPERATURE**  
**CONTROL**  
 Manual (5 steps)  
**FIELD COVERAGE**  
 100%  
**MAGNIFICATION**  
 approx. 0.78 x (with 50mm lens at  
 infinity, -1m-1)  
**DIOPTRIC ADJUSTMENT**  
 -4.0 to +3.0m-1  
**EYE POINT**  
 Approx. 23mm from the eyepiece

lens, 18.5mm from the eyepiece frame at -1m-1 (CIPA standard)

**FINDER FRAME RATE SELECTION**  
 NTSC: Std 60fps, Hi 12fps; PAL: Std 50fps, Hi 100fps

**DISPLAY CONTENTS**  
 Graphic Display, Display All Info., No Disp. Info., Digital Level Gauge, Histogram

**LCD Screen:**

**MONITOR TYPE**  
 7.5cm (3.0-type) type TFT

**NUMBER OF DOTS**  
 1,440,000 dots

**TOUCH PANEL**  
 Yes

**BRIGHTNESS CONTROL**  
 Manual (5 steps between -2 and +2), Sunny Weather mode

**ADJUSTABLE ANGLE**  
 Up by approx. 107 degrees, Down by approx. 41 degrees

**DISPLAY SELECTER (FINDER/LCD)**  
 Yes (Auto/Manual)

**REAL-TIME IMAGE ADJUSTMENT DISPLAY (LCD)**  
 On/Off

**QUICK NAVI**  
 Yes

**FOCUS MAGNIFIER**  
 Yes (35mm full frame: 5.9x, 11.9x, APS-C: 3.9x, 7.8x)

**ZEBRA**  
 Yes, (selectable level + range or lower limit as custom setting)

**PEAKING MF**  
 Yes (Level setting: High/Mid/Low/Off, colour: White/Red/Yellow)

**OTHERS**  
 (Rule of 3rds Grid/Square)

Grid/Diag. + Square Grid/Off),  
 Movie Marker,  
 (Center/Aspect/Safety  
 Zone/Guideframe),  
 WhiteMagic™, Grid Line  
**DISPLAY CONTENT**  
 Graphic Display, Display All  
 Info., No Disp. Info., Digital Level  
 Gauge, Histogram, For  
 viewfinder, Monitor Off

**Shutter TYPE**

Electronically-controlled, vertical-  
 traverse, focal-plane type

**SHUTTER SPEED**

Still images:1/8000 to 30 sec,  
 Bulb, Movies: 1/8000 to 1/4 (1/3  
 steps); up to 1/60 in AUTO mode  
 (up to 1/30 in Auto slow shutter  
 mode);

**FLASH SYNC. SPEED**

1/250 sec.2

ELECTRONIC FRONT  
 CURTAIN SHUTTER

Yes (ON/OFF)

SILENT SHOOTING

Yes (ON/OFF)

**Audio:**

MICROPHONE

Built-in stereo microphone or  
 XLR-K2M/XLR-K1M/ECM-  
 XYST1M

SPEAKER

Built-in,monaural

**Power:**

**SUPPLIED BATTERY**

One rechargeable battery pack  
 NP-FZ100

**BATTERY LIFE (STILL  
 IMAGES)**

Approx. 530 shots (Viewfinder) /  
 approx. 650 shots (LCD monitor)  
 (CIPA standard)9

**BATTERY LIFE (MOVIE,**

	<p><b>ACTUAL RECORDING)</b>                  Approx. 100 min (Viewfinder) /                  Approx. 115 min (LCD monitor),                  (CIPA standard)1011</p> <p><b>BATTERY LIFE (MOVIE, CONTINUOUS RECORDING)</b>                  Approx. 160 min (Viewfinder) /                  Approx. 170 min (LCD monitor),                  (CIPA standard)</p> <p><b>INTERNAL BATTERY CHARGE</b>                  Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)</p> <p><b>POWER CONSUMPTION WITH VIEWFINDER</b>                  Still images: approx. 3.7W (with FE 28-70mm F3.5-5.6 OSS lens attached), Movies: approx5.5W (with FE 28-70mm F3.5-5.6 OSS lens attached)</p> <p><b>POWER CONSUMPTION WITH LCD SCREEN</b>                  Still images: approx. 2.9W (with FE 28-70mm F3.5-5.6 OSS lens attached), Movies: approx. 5.8W (with FE 28-70mm F3.5-5.6 OSS lens)</p> <p><b>USB POWER SUPPLY</b>                  (Available with Multi/Micro USB Terminal or USB Type-C™ Terminal)</p>							
02	<p><b>Camera Lens</b>  <b>Vario-Tessar T* FE 24-70mm F4 ZA OSS Lens</b></p>	No	01					
03	<p><b>Wireless Audio Microphone (RODE Wireless GO II 2-Person Compact Digital Wireless Microphone)</b></p>	No	01					
	<p><b>Grand Total Including All Taxes and Delivery Charges</b></p>							

	<b>Grand Total in words</b>	
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**Note:**

- The Purchase/Work order will be awarded on **Grand Total Basis.**
- Bidders shall price the Bill of Quantities in Pakistani Rupees only.
- For all the Brands mentioned in this tender (if any), the term “equivalent or higher” is hereby added and shall be considered as per PPRA rules.
- Multiple prices of an item may lead to rejection of the item/bid.
- In case of any inquiry regarding specifications of any item, please visit Store Section or Purchase Office, CUI, Sahiwal Campus during office hours from 08:30 am to 04:30 pm from Monday to Friday.

**Sheet for Evaluation of Technical Proposals of the Vendors**

Sr. No	Evaluation Criteria	Provided
01	Literature of Quoted Brand	
02	Valid NTN & GST Numbers	
03	Active Taxpayer List	
04	Complete Company Profile including Year of Establishment and Client Lists	
05	Photocopies of Purchase Orders for Supply of I.T items/Electronics Devices general order supplies to any Federal or Provincial Government Department, Agency, Organization or autonomous body or Private Sector Organization anywhere in Pakistan. Please attach Purchase Orders/Work Orders with the proposal.	
06	Warranty Acceptance Certificate	
07	Affidavit on Judicial Stamp Paper	