

**University of Calicut**

**(Purchase Division)**

63696/PURCHASE-ASST-A1/2013/CU

Dated 07.10.2017

**QUOTATION NOTICE**

Sealed quotations are invited by the Registrar, University of Calicut for the supply of one DSLR Camera to the Psychology Department as per the specifications given in the schedule below. The rates quoted should include taxes and all other charges including charges for delivery of the articles at the place mentioned in the schedule below.

Quotation Number	63696/PURCHASE-ASST-A1/2013/CU dated 07.10.2017
Last date and Time for the receipt of Quotation	23.10.2017 4 P.M.
Date and Time for opening the Quotation	24.10.2017 11 A.M.
Date up to which rates are to be firm	90 days from acceptance of quotation
Designation and address of officer to whom the quotation is to be addressed	Deputy Registrar, Purchase Division, University of Calicut, Thenhipalam, University P.O. Malappuram 673 635
Superscription	Quotation for purchase of camera to Department of Psychology
Address for Delivery	The Head, Department of Psychology, University of Calicut, Thenhipalam, University P.O. Malappuram 673 635

The necessary superscription, due date for the receipt of quotations, the date up to which the rates will have to remain firm for acceptance and the name, address of officer to whom the quotation and place is to be sent are noted above.

Any quotation received after the time fixed on the due date is liable to be rejected. On acceptance of quotation the articles should be delivered within a period of 7 days.

**SCHEDULE OF ITEMS**

**DSLR Camera:**

Type	
Type	Digital, single-lens reflex, AF/AE camera with built-in flash
Recording media	SD memory card, SDHC memory card, SDXC memory card Compatible with UHS-I <b>8 GB Memory card should be provided with the camera</b>
Compatible lenses	EF lenses <b>2 lenses viz 18-55 mm &amp; 55-250 mm should be provided along with the camera</b>
Lens mount	EF mount
<b>Image Sensor</b>	
Type	CMOS sensor
Effective pixels	18 megapixels
Aspect ratio	3:2
Dust delete feature	Auto, Manual, Dust Delete Data appending



<b>Recording System</b>	
Image type	JPEG, RAW RAW+JPEG Large simultaneous recording possible
<b>Image Processing During Shooting</b>	
Picture style	Auto, Standard, Portrait, Landscape, Neutral, Faithful, Monochrome User Def. 1 - 3
White balance	Auto, Preset (Daylight, Shade, Cloudy, Tungsten light, White fluorescent light, Flash), Custom White balance correction and white balance bracketing features should be provided
Noise reduction	Applicable to long exposures and high ISO speed shots
Auto image brightness correction	Auto Lighting Optimizer
Lens peripheral illumination correction	Peripheral illumination correction, Chromatic aberration correction
<b>Viewfinder</b>	
Type	Eye-level pentamirror
Coverage	Vertical / Horizontal approx. 95% (with Eye point approx. 19mm)
Magnification	Approx. 0.85x (-1m <sup>-1</sup> with 50mm lens at infinity)
Eyepoint	Approx. 19mm (from eyepiece lens center at -1m <sup>-1</sup> )
Built-in dioptic adjustment	Approx. -3.0 - +1.0m <sup>-1</sup> (dpt)
Focusing screen	Fixed, Precision Matte
<b>Autofocus</b>	
Type	TTL secondary image-registration, phase detection
AF points	Nine cross-type AF points (Cross-type AF sensitive to f/2.8 with center AF point)
Focusing brightness range	EV -0.5 - 18 (center AF point, at 23°C / 73°F, ISO 100)
AF operation	One-Shot AF, AI Servo AF, AI Focus AF
AF-assist beam	Small series of flashes fired by built-in flash
<b>Exposure Control</b>	
Metering brightness range	EV 1 - 20 (at 23°C / 73°F with EF50mm f/1.6 II lens, ISO 100)
Exposure control	Program AE (Scene Intelligent Auto, Flash Off, Creative Auto, Portrait, Landscape, Close-up, Sports, Special scene (Night Portrait, Handheld Night Scene, HDR Backlight Control), Program), Shutter-priority AE, Aperture-priority AE, Manual exposure
ISO speed (Recommended exposure index)	Basic Zone modes: ISO 100 - ISO 6400 set automatically, Handheld Night Scene: ISO 100 - ISO 12800 set automatically
	ISO 100 - ISO 12800 set manually (whole-stop increments), ISO 100 - ISO 6400 set automatically

	Creative zone modes:	automatically, maximum ISO speed settable for ISO Auto, or ISO expansion to "H" (equivalent to ISO 25600)
Exposure compensation	Manual:	±5 stops in 1/3- or 1/2-stop increments
	AEB:	±2 stops in 1/3- or 1/2-stop increments (Can be combined with manual exposure compensation)
AE lock	Auto:	Applied in One-Shot AF with evaluative metering when focus is achieved
	Manual:	With AE lock button
<b>Shutter</b>		
Type	Electronically-controlled, focal-plane shutter	
Shutter speeds	1/4000sec. to 30secs. (Total shutter speed range. Available range varies by shooting mode.), Bulb, X-sync at 1/200sec.	
<b>Flash</b>		
Built-in flash	Retractable, auto pop-up flash	
	Guide No.:	Approx. 13/43 (ISO 100, in meters/feet)
	Flash coverage:	Approx. 17mm lens angle of view
	Recycling time approx. 3secs.	
	Wireless master function should be provided	
External flash	Flash functions settable with the camera	
Flash metering	E-TTL II autoflash	
Flash exposure compensation	±2 stops in 1/3- or 1/2-stop increments	
<b>Drive System</b>		
Drive mode	Single shooting, continuous shooting, self-timer with 10-secs. or 2-secs. delay and 10-secs. delay with continuous shooting	
Continuous shooting speed	Max. approx. 5.0 shots/sec.	
Max. burst (Approx.):	JPEG Large / Fine:	22 (30) shots
	RAW:	6 (6) shots
	RAW + JPEG Large / Fine:	3 (3) shots
<b>Live View Shootings</b>		
Aspect ratio settings	3:2, 4:3, 16:9, 1:1	
Focusing	Hybrid CMOS AF System, Phase-difference detection (Quick mode) Manual focusing (approx. 5x / 10x magnification possible) Focusing brightness range: EV 1 - 18 (at 23°C / 73°F, ISO 100)	



Continuous (pre) AF	Should be Provided
Touch shutter	Should be Provided
Metering modes	Real-time metering with image sensor Evaluative metering (315 zones), Partial metering (approx. 8.8% of Live View screen), Spot metering (approx. 2.8% of Live View screen), Center-weighted average metering
Metering brightness range	EV 0 - 20 (at 23°C / 73°F with EF50mm f/1.4 USM lens, ISO 100)
Creative filters	Grainy B/W, Soft focus, Fish-eye effect, Art bold effect, Water painting effect, Toy camera effect, Miniature effect
<b>Movie Shooting</b>	
Recording format	MOV
Movie	MPEG-4 AVC / H.264 Variable (average) bit rate
Audio	Linear PCM
Recording size and frame rate	1920 x 1080 (Full HD): 30p / 25p / 24p
	1280 x 720 (HD): 60p / 50p
	640 x 480 (SD): 30p / 25p
File size	1920 x 1080 (30p / 25p / 24p): Approx. 330 MB/min.
	1280 x 720 (60p / 50p): Approx. 330 MB/min.
	640 x 480 (30p / 25p): Approx. 82.5 MB/min.
Focusing	Hybrid CMOS AF System Manual focusing (approx. 5x / 10x magnification possible)
Metering modes	Center-weighted average and evaluative metering with the image sensor Automatically set by the focusing mode
Video snapshots	Settable to 2 secs. / 4 secs. / 8 secs.
Sound recording	Built-in stereo microphone
	External stereo microphone terminal provided
	Sound recording level adjustable, wind filter provided, attenuator provided
<b>LCD Monitor</b>	
Type	TFT color liquid-crystal monitor
Monitor size and dots	Wide, 7.7cm (3.0-in.) (3:2) with approx. 1.04 million dots
Angle adjustment	Possible
Brightness adjustment	Manual (7 levels)
Touch screen technology	Capacitive sensing
Feature guide	Displayable
<b>Playback</b>	
Image display formats	Single-image display, Single-image + info display (Basic info, shooting info, histogram), 4-image index, 9-image index
Zoom magnification	Approx. 1.5x - 10x
Highlight alert	Overexposed highlights blink
Image browsing methods	Single image, jump by 10 or 100 images, by shooting date, by folder, by movies, by stills, by rating
Image rotate	Possible
Ratings	Should be provided
Movie playback	Enabled (LCD monitor, video / audio OUT, HDMI OUT), Built-in speaker
Image protect	Should be possible
	All images by date by folder by movies by stills by rating



Slide show	All images, by date, by folder, by movies, by stills, by rating Five transition effects selectable
Background music	Selectable for slide shows and movie playback
<b>Post-Processing of Images</b>	
Creative filters	Grainy B/W, Soft focus, Fish-eye effect, Art bold effect, Water painting effect, Toy camera effect, Miniature effect
Resize	Should be possible
<b>Direct Printing</b>	
Printable images	JPEG and RAW images
Print ordering	DPOF Version 1.1 compatible
<b>Interface</b>	
Audio / video OUT / Digital terminal	Analog video (compatible with NTSC / PAL) / stereo audio output Personal computer communication and direct printing (Hi-Speed USB equivalent), GPS Receiver GP-E2 connection
HDMI mini OUT terminal	Type C (auto switching of resolution), CEC-compatible
External microphone IN terminal	3.5mm diameter stereo mini-jack
Remote control terminal	For Remote Switch RS-60E3
Wireless remote control	Remote Controller RC-6
Eye-Fi card	Compatible
<b>Power</b>	
Battery	Battery Pack
<b>Operation Environment</b>	
Working temperature range	0°C - 40°C / 32°F - 104°F
Working humidity	85% or less
<b>Carry Case</b>	Should be provided
<b>Warranty</b>	1 Year.

**General Conditions:-**

1. Acceptance of the quotation constitutes a concluded contract.
2. Withdrawal from the quotation after it is accepted or failure to supply within a specified time or according to specifications will entail cancelation of the order and purchases being made at the offerers expenses from elsewhere, any loss incurred thereby being payable by the defaulting party. In such an event the Government reserves also the right to remove the defaulter's name from the list of Government suppliers permanently or for a specified number of years.
3. Samples, duly listed, should be forwarded if called for under separate cover and the unapproved samples got back as early as possible by the offerers at their own expenses and the Government will in no case be liable for any expenses on account of the value of the samples or their transport charges, etc. In case, the samples are sent by railway; the railway receipt should be sent separately, and not along with the quotation since the quotation will be opened only on the appointed day and demurrage will have to be paid if the railway parcels are not cleared in time. Quotations for the supply of materials are liable to be rejected unless samples, if called for of the materials tendered for are forwarded. The approved



samples may or may not be returned at the discretion of the undersigned. Samples sent by V.P. Post or "freight to pay" will not be accepted.

4. No representation for enhancement of price once accepted will be considered during the currency of the contract.
5. Any attempt on the part of tenderers or their agents to influence the Officers concerned in their favour by personal canvassing will disqualify the tenderers.
6. If any license or permit is required, tenderers must specify in their quotation and also state the authority to whom application is to be made.
7. The quotation may be for the entire or part supplies. But the tenderers should be prepared to carry out such portion of the supplies included in their quotation as may be allotted to them.
8. (a) In cases where a successful tenderer, after having made partial supplies fails to fulfill the contracts in full, all or any of the materials not supplied may, at the discretion of the Purchasing Officer be purchased by means of another tender/quotation or by negotiation or from the next higher tenderer who had offered to supply already and the loss, if any, caused to the Government shall thereby together with such sums as may be fixed by the Government towards damages be recovered from the defaulting tenderer. (b) Even in cases where no alternate purchases are arranged for the materials not supplied, the proportionate portion of the security deposit based on the cost of the materials not supplied at the rate shown in the tender of the defaulter shall be forfeited and balance alone shall be refunded. (c) Any sum of money due and payable to the contractor (including Security Deposit returnable to him) under this contract may be appropriated by the Purchasing Officer or Government or any other person authorized by Government and set-off against any claim of the Purchasing Officer or Government for the payment of a sum of money arising out of or under any other contract made by the contractor with the Purchasing Officer or Government or any other person authorized by Government.
9. The prices quoted should be inclusive of all taxes, duties, cess, etc., which are or may become payable by the contractor under existing or future laws or rules of the country of origin/supply or delivery during the course of execution of the contract. **The bidder should have valid GST registration and should furnish the GST number in the quotation.**
10. The tenderers shall quote also the percentage of rebate (discount) offered by them in case the payment is made promptly within fifteen days/within one month of taking delivery of stores.
11. Any sum of money due and payable to the successful tenderer or contractor from Government shall be adjusted against any sum of money due to Government from him under any other contracts.
12. The final acceptance of the tenders rests entirely with the University who do not bind themselves to accept the lowest or any tender. But the tenderers on their part should be prepared to carry out such portion of the supplies included in their tenders as may be allotted to them.
13. Special conditions, if any, printed on the quotation sheets of the tenderer or attached with the tender will not be applicable to the contract unless they are expressly accepted in writing by the purchases.

Calicut University



  
Shajee K

Deputy Registrar (Purchase)