



**KenGen**  
Staff Retirement  
Benefits Scheme

## REQUEST FOR QUOTATION

RFQ No. *KenGensRBS/003/2019*  
Description: *Supply of DSLR Camera*

<p>You are invited to submit quotation for materials listed</p> <p>a) THIS IS NOT AN ORDER; CREDIT TERMS ASSUMED FOR QUOTATION</p> <p>b) <b>ELIGIBILITY CRITERIA. Open.</b></p> <p>c) Your quotation should indicate price and V.A.T separately.</p> <p>d) Return original and retain copy</p> <p>e) Quotations that do not give all the details shall be disqualified.</p> <p>f) All quotations must bear our reference.</p>	<p><b>DATE:</b> DD/MM/YYYY</p> <p><b>DATE ISSUED:</b> 23<sup>rd</sup> January 2019</p> <p><b>CLOSING DATE:</b> 30<sup>th</sup> January 2019</p> <p><b>CLOSING TIME:</b> 10:00 Am</p>	<p><i>To be delivered to: Tender Box RBS</i> 11<sup>th</sup> floor, KenGen Pension Plaza II, Kolobot Road, Parklands, P.O. Box 47936-0010 NAIROBI.</p>
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No	Item Description	Unit	Qty Required	Unit Price in KShs.	Discount	Total (KShs.) Inclusive of Taxes	Brand	Delivery Period	Quotation validity Period	Remarks
	Please Quote for;									
1.	Supply of 24.2 Megapixel DSLR Camera As per specs provided below and attach coloured brochure.	No.	1							

<p><b>DECLARATION:</b> We do hereby declare that we have not been debarred from any procurement process and shall not engage in any fraudulent or corrupt act in regard to this purchase; Seller's Sign..... Date..... Rubber Stamp.....</p>	<p><b>FOR OFFICIAL USE ONLY.</b> <b>OPENED BY,</b></p> <p>1. .... DATE.....</p> <p>2. .... DATE.....</p> <p>3. .... DATE.....</p>
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Description: *Supply of DSLR Camera*

Note. Attached are the minimum specs hence the proposed Camera **MUST** meet or provide higher specs.

Kindly indicate the RFQ number & tender name (description) on the envelope.

















Address to:

Trust Secretary  
KenGen Staff Retirement Benefits Scheme  
11<sup>th</sup> floor, KenGen Pension Plaza 2,  
Kolobot Road, Parklands,  
P.O. Box 47936-0010  
NAIROBI.

To be dropped at our tender box located on 11<sup>th</sup> floor.

Type of camera	Single-lens reflex digital camera
Lens mount	Nikon F mount (with AF contacts)
Effective angle of view	Nikon DX format; focal length equivalent to approx. 1.5x that of lenses with FX-format angle of view
Effective pixels	24.2 million
Image sensor	23.5 x 15.6 mm CMOS sensor
Total pixels	24.78 million
Dust-reduction system	Image sensor cleaning, Image Dust Off reference data (optional Capture NX 2 software required)
Image size (pixels)	6000 x 4000 [L] 4496 x 3000 [M] 2992 x 2000 [S]
File format	NEF (RAW): 12 or 14 bit, compressed JPEG: JPEG-Baseline compliant with fine (approx. 1:4), normal (approx. 1:8), or basic (approx. 1:16) compression NEF (RAW)+JPEG: Single photograph recorded in both NEF (RAW) and JPEG formats
Picture Control System	Standard, Neutral, Vivid, Monochrome, Portrait, Landscape; selected Picture Control can be modified; storage for custom Picture Controls
Media	SD (Secure Digital) and UHS-I compliant SDHC and SDXC memory cards
File system	DCF (Design Rule for Camera File System) 2.0, DPOF (Digital Print Order Format), Exif (Exchangeable Image File Format for Digital Still Cameras) 2.3, PictBridge
Viewfinder	Eye-level pentamirror single-lens reflex viewfinder
Frame coverage	Approx. 95% horizontal and 95% vertical
Magnification	Approx. 0.82x (50 mm f/1.4 lens at infinity, -1.0 m <sup>-1</sup> )
Eyepoint	18 mm (-1.0 m <sup>-1</sup> ; from center surface of viewfinder eyepiece lens)
Diopter adjustment	-1.7 to +1.0 m <sup>-1</sup>
Focusing screen	Type B BriteView Clear Matte Mark VII screen
Reflex mirror	Quick return
Lens aperture	Instant return, electronically controlled
Compatible lenses	Autofocus is available with AF-S and AF-I lenses. Autofocus is not available with other type G and D lenses, AF lenses (IX NIKKOR and lenses for the F3AF are not supported), and AI-P lenses. Non-CPU lenses can be used in mode <b>M</b> , but the camera exposure meter will not function; the electronic rangefinder can be used with lenses that have a maximum aperture of f/5.6 or faster
<b>Shutter</b>	
Type	Electronically controlled vertical-travel focal-plane shutter
Speed	1/4000 to 30 s in steps of 1/3 or 1/2 EV, bulb, time
Flash sync speed	X=1/200 s; synchronizes with shutter at 1/200 s or slower
<b>Release</b>	

Release modes	(single frame),  (continuous low speed),  (continuous high speed),  (quiet shutter release),  (self-timer),  (delayed remote; ML-L3),  (quick-response remote; ML-L3), interval timer photography supported
Frame advance rate	Up to 3 fps Up to 5 fps (JPEG and 12-bit NEF/RAW) or 4 fps (14-bit NEF/RAW) Note: Frame rates assume continuous-servo AF, manual or shutter priority auto exposure, a shutter speed of 1/250 s or faster, Release selected for Custom Setting a1 (AF-C priority selection), and other settings at default values
Self-timer	2 s, 5 s, 10 s, 20 s; 1 to 9 exposures
Exposure	
Metering mode	TTL exposure metering using 2016-pixel RGB sensor
Metering method	Matrix: 3D color matrix metering II (type G, E and D lenses); color matrix metering II (other CPU lenses) Center-weighted: Weight of 75% given to 8-mm circle in center of frame Spot: Meters 3.5-mm circle (about 2.5% of frame) centered on selected focus point
Range (ISO 100, f/1.4 lens, 20°C/68°F)	Matrix or center-weighted metering: 0 to 20 EV Spot metering: 2 to 20 EV
Exposure meter coupling	CPU
Exposure modes	Auto modes ( auto;  auto [flash off]); programmed auto with flexible program ( <b>P</b> ); shutter-priority auto ( <b>S</b> ); aperture-priority auto ( <b>A</b> ); manual ( <b>M</b> ); scene modes ( portrait;  landscape;  child;  sports;  close up;  night portrait;  night landscape;  party/indoor;  beach/snow;  sunset;  dusk/dawn;  pet portrait;  candlelight;  blossom;  autumn colors;  food); special effects modes ( night vision;  color sketch;  toy camera effect;  miniature effect;  selective color;  silhouette;  high key;  low key;  HDR painting)
Exposure compensation	Can be adjusted by -5 to +5 EV in increments of 1/3 or 1/2 EV in <b>P</b> , <b>S</b> , <b>A</b> and <b>M</b> modes
Exposure bracketing	3 shots in steps of 1/3 or 1/2 EV
Exposure lock	Luminosity locked at detected value with  button
ISO sensitivity (Recommended Exposure Index)	ISO 100 to 12800 in steps of 1/3 EV. Can also be set to approx. 0.3, 0.7, or 1 EV (ISO 25600 equivalent) above ISO 12800; auto ISO sensitivity control available
Active D-Lighting	Auto, extra high, high, normal, low, off
ADL bracketing	2 shots
Focus	
Autofocus	Nikon Multi-CAM 4800DX autofocus sensor module with TTL phase detection, 39 focus points (including 9 cross-type sensor), and AF-assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.)
Detection range	-1 to +19 EV (ISO 100, 20°C/68°F)

Lens servo	Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF (AF-C); auto AF-S/AF-C selection (AF-A); predictive focus tracking activated automatically according to subject status Manual focus (MF): Electronic rangefinder can be used
Focus point	Can be selected from 39 or 11 focus points
AF-area modes	Single-point AF, 9-, 21- or 39-point dynamic-area AF, 3D-tracking, auto-area AF
Focus lock	Focus can be locked by pressing shutter-release button halfway (single-servo AF) or by pressing  button
Flash	
Built-in flash	 ,  ,  ,  ,  ,  ,  ,  ,  ,  ,  ,  : Auto flash with auto pop-up <b>P</b> , <b>S</b> , <b>A</b> , <b>M</b> ,  : Manual pop-up with button release
Guide number	Approx. 12/39, 13/43 with manual flash (m/ft, ISO 100, 20°C/68°F)
Flash control	TTL: i-TTL flash control using 2016-pixel RGB sensor is available with built-in flash and SB-910, SB-900, SB-800, SB-700, SB-600, SB-400 or SB-300; i-TTL balanced fill-flash for digital SLR is used with matrix and center-weighted metering, standard i-TTL flash for digital SLR with spot metering
Flash modes	Auto, auto with red-eye reduction, auto slow sync, auto slow sync with red-eye reduction, fill-flash, red-eye reduction, slow sync, slow sync with red-eye reduction, rear-curtain with slow sync, rear-curtain sync, off
Flash compensation	-3 to +1 EV in increments of 1/3 or 1/2 EV
Flash-ready indicator	Lights when built-in flash or optional flash unit is fully charged; flashes after flash is fired at full output
Accessory shoe	ISO 518 hot-shoe with sync and data contacts and safety lock
Nikon Creative Lighting System (CLS)	Advanced Wireless Lighting supported with SB-910, SB-900, SB-800 or SB-700 as a master flash or SU-800 as commander; Flash Color Information Communication supported with all CLS-compatible flash units
Sync terminal	AS-15 Sync Terminal Adapter (available separately)
White balance	
White balance	Auto, incandescent, fluorescent (7 types), direct sunlight, flash, cloudy, shade, preset manual, all except preset manual with fine-tuning
White balance bracketing	3 shots in steps of 1
Live View	
Lens servo	Autofocus (AF): Single-servo AF (AF-S); full-time servo AF (AF-F) Manual focus (MF)
AF-area modes	Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF
Autofocus	Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected)
Automatic scene selection	Available in  and  modes
Retouch menu	D-Lighting, Red-eye correction, Trim, Monochrome, Filter effects, Color balance, Image overlay, NEF(RAW) processing, Resize, Quick retouch, Straighten, Distortion

	control, Fisheye, Color outline, Color sketch, Perspective control, Miniature effect, Selective color, Edit movie, Side-by-side comparison
<b>Movie</b>	
Metering	TTL exposure metering using main image sensor
Metering method	Matrix
Frame size (pixels) and frame rate	1920 x 1080; 60p (progressive)/50p/30p/25p/24p, ★high/normal 1280 x 720; 60p/50p, ★high/normal 640 x 424; 30p/25p, ★high/normal Frame rates of 30p (actual frame rate 29.97 fps) and 60p (actual frame rate 59.94 fps) are available when NTSC is selected for video mode; 25p and 50p are available when PAL is selected for video mode; actual frame rate when 24p is selected is 23.976 fps
File format	MOV
Video compression	H.264/MPEG-4 Advanced Video Coding
Audio recording format	Linear PCM
Audio recording device	Built-in or external stereo microphone; sensitivity adjustable
Maximum length	29 min. 59 s (20 min. in 1920 x 1080; 60p/50p, 3 min. in miniature mode)
ISO sensitivity	ISO 100 to 12800; can also be set to approx. 0.3, 0.7, or 1 EV (ISO 25600 equivalent) above ISO 12800
<b>Monitor</b>	
Monitor	8.1-cm/3.2-in.(3:2), approx. 1037k-dot (720 x 480 x 3 = 1,036,800 dots), vari-angle TFT monitor with 170° viewing angle, approx. 100% frame coverage, and brightness adjustment
<b>Playback</b>	
Playback	Full-frame and thumbnail (4, 12, or 80 images or calendar) playback with playback zoom, movie playback, photo and/or movie slide shows, histogram display, highlights, auto image rotation picture rating, and image comment (up to 36 characters)
<b>Interface</b>	
USB	Hi-Speed USB
Video output	NTSC, PAL
HDMI output	Type C mini-pin HDMI connector
Accessory terminal	Wireless remote controllers: WR-1, WR-R10 (available separately) Remote cord: MC-DC2 (available separately) GPS units: GP-1/GP-1A (available separately)
Audio input	Stereo mini-pin jack (3.5-mm diameter); supports optional ME-1 Stereo Microphone
<b>Wireless</b>	
Standards	IEEE 802.11b, IEEE 802.11g
Communications protocols	IEEE 802.11b: DSSS/CCK IEEE 802.11g: OFDM

Operating frequency	2412 to 2462 MHz (channels 1 to 11)
Range (line of sight)	Approximately 30 m/98 ft (assumes no interference; range may vary with signal strength and presence or absence of obstacles)
Data rate	54 Mbps; maximum logical data rates according to IEEE standard; Actual rates may differ
Security	Authentication: Open system, WPA2-PSK Encryption: AES
Wireless setup	Supports WPS
Access protocols	Infrastructure
Location data	
Receiving frequency	1575.42 MHz (C/A code)
Geodesics	WGS84
Supported languages	
Supported languages	Arabic, Bengali, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian, Persian, Polish, Portuguese (Portugal and Brazil), Romanian, Russian, Spanish, Swedish, Tamil, Thai, Turkish, Ukrainian, Vietnamese
Power source	
Battery	One EN-EL14a Rechargeable Li-ion Battery
AC adapter	EH-5b AC Adapter; requires EP-5A Power Connector (available separately)
Tripod socket	
Tripod socket	1/4 in. (ISO 1222)
Dimensions/weight	
Dimensions (W x H x D)	Approx. 125 x 98 x 76 mm (4.9 x 3.9 x 3 in.)
Weight	Approx. 530 g/1 lb 2.7 oz with battery and memory card but without body cap; approx. 480 g/1 lb 0.9 oz (camera body only)
Operating environment	
Temperature	0 to 40°C/32 to 104°F
Humidity	85% or less (no condensation)
Accessories	
Supplied accessories (may differ by country or area)	EN-EL14a Rechargeable Li-ion Battery, MH-24 Battery Charger, DK-5 Eyepiece Cap, DK-25 Rubber Eyecup, UC-E17 USB Cable, EG-CP16 Audio Video Cable, AN-DC3 Camera Strap, BF-1B Body Cap, BS-1 Accessory Shoe Cover, ViewNX 2 CD-ROM