



## KENYA SCHOOL OF GOVERNMENT

### INVITATION TO TENDER

#### ADDENDUM

Further to invitation to tender issued on Tuesday November 6, 2018, on the Public Procurement Information Portal [www.tenders.go.ke](http://www.tenders.go.ke) and our website [www.ksg.ac.ke](http://www.ksg.ac.ke). Kenya School of Government wishes to make the following changes and clarifications as pertains to the three tenders listed below:

TENDER NO.	TENDER DESCRIPTION	ELIGIBILITY	LOCATION	CHANGES
KSG/79/2018-2020	Proposed Refurbishment and Expansion of Car Park and Drive Way at Kenya School of Government	Open	Mombasa	Tender Description and Technical evaluation criteria
KSG/80/2018-2020	Proposed Refurbishment and Conversion of Administration Block Parking Bay into Reception and Customer Care Office at Kenya School of Government	Open	Mombasa	Tender Description and Technical evaluation criteria
KSG/82/2018-2020	Supply & Delivery of ICT Hardware	Open	All Campuses	Additions to Technical Specifications and Schedule of Requirements

- i. Last column of the table shows the changes/amendments that may have been made in some tender documents each of the tender documents.
- ii. Bid Bonds pegged on the earlier closing date of November 21, 2018 remain valid.
- iii. Addendum No. 1 contains changes that have been made in different tender documents.
- iv. Bidders who had already submitted their bids may now only submit additional information relating to any of the three amended tender documents.

- v. The closing and opening date for the three tenders listed above has been extended to December 4, 2018 at 10.30 am at the respective campuses.

## ADDENDUM 1

---

1. **TENDER NO: KSG/79/2018-2020 FOR PROPOSED REFURBISHMENT AND EXPANSION OF CAR PARK AND DRIVE WAY AT KENYA SCHOOL OF GOVERNMENT**

---

The technical evaluation criterion has been amended as per document uploaded to both portals.

2. **TENDER NO: KSG/80/2018-2020 FOR PROPOSED REFURBISHMENT AND CONVERSION OF ADMINISTRATION BLOCK PARKING BAY INTO RECEPTION AND CUSTOMER CARE OFFICE AT KENYA SCHOOL OF GOVERNMENT**

---

The technical evaluation criterion has been amended as per document uploaded to both portals.

3. **TENDER NO: KSG/82/2018-2020 SUPPLY & DELIVERY OF ICT HARDWARE**

---

### SECTION V: ADDITIONS TO TECHNICAL SPECIFICATIONS

#### Lot 31: 5D SLR Digital Camera

Description	Minimum Specifications
Connectivity	HDMI, GPS
Zoom	1080p HD Video
Sensor	CMOS Sensor
Battery	Rechargeable, Li-ion Battery
Resolution	22.3 MP Resolution
Video Resolution	1920x1080 Pixels (1080p HD), 1280x720 Pixels (720p HD)
Fps	1080p Frame rate : 24, 25, 30/720p Frame rate : 60

File Format	MOV
Storage File System	DCF,DPOF,EXIF
Memory Card Type	CF, SD, SDHC, SDXC
Lens Focal Length	24-105 mm
Lens Type	Zoom
Aperture Range	f/4-f/22 Aperture
Lens Cover	Yes Lens Cap E-77U
Battery Capacity	1800 mAh, 7.2 volts
USB	Type 2.0, 480 MB
Shutter Speed	1/8000-60 sec
Drive Mode	Single shooting, High-speed continuous shooting, Low-speed continuous shooting, Silent single shooting, Silent continuous shooting, 10secs. self-timer / remote control, 2secs. self-timer /
Burst Mode	MaxBurst: JPEG Large / Fine-65 shots (Approx. 16270 shots)
Image File Formats	JPEG, RAW
Hot Shoe/Flash Mount	Yes
Flash Features	External flash, Flash exposure compensation
Accessories	Eye Cap, EOS Digital solution Disk, Stereo AV cable AVC-DC400ST, Battery pack LP-E6, Battery charger LC-E6 or LC-E6E, Interface cable IFC-200U, Wide strap EW-EOS5DMKIII, Software
Warranty Period	2 Years

### Lot 32: 6D SLR Digital Camera

Description	Minimum Specifications
Connectivity	HDMI, Wifi
Zoom	1080p HD Video
Sensor	CMOS Sensor
Battery	Rechargeable, Li-ion Battery
Resolution	20.20 MP Resolution
Video Resolution	1920x1080 Pixels (1080p HD), 1280x720 Pixels (720p HD), 640x480 Pixels (VGA)
Fps	1080p Frame rate : 24, 25, 30 720p Frame rate : 60 VGA Frame rate : 30
File Format	MOV
Storage File System	DPOF
Memory Card Type	SD, SDHC, SDXC
Lens Focal Length	24-105 mm
Lens Type	Zoom
Aperture Range	f/4-f/22 Aperture
Lens Cover	Yes Lens Cap
Battery Capacity	1800 mAh, 7.2 volts
Shutter Speed	1/4000-30 sec

Drive Mode	Single shooting, Continuous shooting, Silent single shooting, Silent continuous shooting, 10-secs. self-timer / remote control, 2-secs. self-timer / remote control
Burst Mode	JPEG Large / Fine: Approx. 73 shots (Approx. 1250 shots), RAW:Approx. 14 shots (Approx. 17 shots), RAW + JPEG Large / Fine: Approx. 7 shots (Approx. 8 shots)
Image File Formats	JPEG, RAW
Hot Shoe/flash Mount	Yes
Flash Features	External flash, Flash exposure compensation
Accessories	EF 24-105mm f/4L IS USM Lens Eyecup Eb,RF-3 Body Cap for Canon EOS Cameras,Wide Neck Strap EW-EOS 6D, LC-E6 Charger for LP-E6 Battery Pack, LP-E6 Rechargeable Lithium-Ion Battery Pack (7.2V, 1800mAh),AVC-DC400ST Stereo AV Cable,IFC-200U USB Interface Cable-1.9 m, EOS Digital Solution Disk Camera Instruction Book Software Instruction Book CD Pocket Guide Digital Learning Center Leaflet
Warranty Period	2 Years

### Lot 33: EW 100-ENG G3 Wireless Microphone

Description	Minimum Specifications
Frequency range	516...558 MHz, 626...668 MHz, 734...776 MHz, 606...648 MHz, 780...822 MHz, 823...865 MHz, 566...608 MHz
Frequency response (Microphone)	80 - 18000 Hz
Compander	HDX
Audio-XLR connector	3,5 mm Jack
Presets	12
Microphone	electret
Sound pressure level (SPL)	130 dB(SPL) max.
THD, total harmonic distortion	< 0,9 %
AF sensitivity	20 mV/Pa
Signal-to-noise ratio	> 110 dB(A)
RF output power	30 mW
Transmission/receiving frequencies	1680
Switching bandwidth	42 MHz
Peak deviation	+/- 48 kHz
Operating time	Transmitter: > 8 h
Audio output level (unbalanced)	+10 dBu max

Package inclusive	1 EK 100 G3 diversity receiver 1 SK 100 G3 bodypack transmitter 1 ME 2 clip-on microphone (omnidirectional pick-up pattern) 1 SKP 100 G3 plug-on transmitter 1 CL 1 jack cable 1 CL 100 XLR cable 1 CA 2 camera adaptor
-------------------	---

### Lot 34: EW 112-p G3 Lavalier Microphone

Description	Minimum Specifications
RF Frequency range	516...558 MHz
Frequency range	626...668 MHz, 734...776 MHz, 566...608 MHz, 606...648 MHz, 516...558 MHz, 626...668 MHz, 734...776 MHz, 780...822 MHz, 823...865 MHz, 566...608 MHz, 925...937.5 MHz
Frequency response (Microphone)	80 - 18000 Hz
Compander	HDX
Audio-XLR connector	3,5 mm Jack
Presets	12
Microphone	electret
Sound pressure level (SPL)	130 dB(SPL) max.
THD, total harmonic distortion	< 0,9 %
AF sensitivity	20 mV/Pa
Signal-to-noise ratio	> 110 dB(A)
RF output power	30 mW
Transmission/receiving frequencies	1680
Switching bandwidth	42 MHz
Peak deviation	+/- 48 kHz
Operating time	Typ. 8 h
Audio output level (unbalanced)	Balanced: +10 dBu max

Package inclusive	1) EK 100 G3 diversity receiver (1) SK 100 G3 bodypack transmitter (1) ME 2 clip-on microphone (omni-directional) (1) CL 1 line output cable (1) CL 100 XLR cable (1) CA 2 camera adaptor (4) AA batteries Operating instructions
-------------------	--

### Lot 35: Ear Headphones

Description	Minimum Specifications
Model	E35
Plug	3.5 mm
Dynamic driver	40 mm
Frequency response	20Hz – 20kHz
Impedance	32
Wi-Fi Security	WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES)

### Lot 36: LED Display

Description	Minimum Specifications
Display Type	LED
Screen size	55 inches
Connectivity	Wifi, 4 HDMI, 2 USB, 1 Ethernet, 1 Component, 1 Composite In (AV), 1 RF in (Terrestrial / Cable input), 1 PC Audio Input (Mini Jack), 1 PC / DVI Audio in (Mini Jack), 1 Audio out (Mini Jack)
Resolution	1920 x 1080
Number of speakers	2
Power Supply	AC 100 – 240 V Hz
Display features	Full HD Features
Warranty	1 year

### Lot 37: Video Conference System

No	Module	Minimum Technical Specifications	
1.	<i>LED TV Screen</i>	1. Screen Size: 80”	

		<ol style="list-style-type: none"> <li>2. Native resolution: 1920 x 1080 pixels</li> <li>3. Brightness: 300 cd/m<sup>2</sup> minimum.</li> <li>4. Contrast ratio: 3000:1.</li> <li>5. Inputs: HDMI for video input</li> </ol>	
2.	<b><i>Video conferencing Codec</i></b>	<ol style="list-style-type: none"> <li>1. Delivers up to a 1080p</li> <li>2. 60 end-to-end high definition (HD) video.</li> <li>3. Rack-mountable.</li> <li>4. Standards-compliant 1080p solution - compatible with standards-based video without losing features.</li> <li>5. Full duplex audio with high-quality stereo sound. 1.7.18.5.</li> <li>6. Video standards support for H.261, H.263, H.263+ and H.264. Video Error Concealment</li> <li>7. Audio standards support for G.711, G.722, G.722.1 and G.729AB.</li> <li>8. Video Input: 2 x HDCI, 3 x HDMI, 1 x VGA</li> <li>9. Video output: 3 x HDMI, 3 x VGA</li> <li>10. Content video resolution: Input HD (1920 x 1081i/ 1080p)</li> <li>11. Content video resolution: Output WUXGA (1920 x 1200) HD (1920 x 1080)</li> <li>12. Audio Input: 2 x HDCI, 3 x HDMI, 2 x RCA line-in</li> <li>13. Audio Output: 1 x HDMI (to in room audio system) 1 x HDMI (to conference recording device)</li> <li>14. Network: IPv4 and IPv6 support, 2 x 10/100/1G Ethernet switch</li> </ol>	
3.	<b><i>Control Processor</i></b>	<ol style="list-style-type: none"> <li>1. Central control processor for automation and control systems.</li> <li>2. Control processor is capable of integrated system control including native intersystem communication with equipment and processors by same manufacturer as well as scheduling and management servers.</li> <li>3. Control processor must be the central connecting point for equipment and devices under control in a specified system.</li> <li>4. As the central element of communication for system devices under control, and all devices and sensors providing status, and feedback, the control processor integrates multiple disparate devices and systems without requiring multiple third party protocol adaptors, translators, or gateways.</li> <li>5. The control processor is also capable of sharing status, state, and feedback information from other connected devices.</li> </ol>	
4.	<b><i>Touch Panel (TP) control</i></b>	<ol style="list-style-type: none"> <li>1. Controls integrated VC settings along with other modular controller functions.</li> <li>2. 7 inch or 10.1 inch TFT active-matrix color LCD touch screen.</li> </ol>	

		<ol style="list-style-type: none"> <li>3. 18-bit 262 k colors and dual-window HD video.</li> <li>4. Dynamic graphics and text capability.</li> <li>5. Enables custom control screen programming.</li> <li>6. Touch panel table top kit</li> </ol>	
5.	<b><i>Video Matrix Switch (8x8 or above)</i></b>	<ol style="list-style-type: none"> <li>1. Video matrix input and output capacity must be selected based on overall system requirements.</li> <li>2. Matrix System must support cascading of matrix units, and long distance transmitter and receiver devices by same manufacturer.</li> <li>3. Audio-Video Matrix switching—any source input switchable to one or more outputs.</li> <li>4. Media Signal Types—The Matrix Switcher must provide matrix switching for multiple video formats and standards through custom selected interchangeable input modules.</li> </ol>	
6.	<b><i>Signal Transmitters Type 1</i></b>	<ol style="list-style-type: none"> <li>1. The signal transmitters must extend HDMI video over a single STP cable to compatible transmission receiver modules or ports.</li> <li>2. The following source formats must be supported. HDMI, DVI-I. The transmitter must meet the following minimum requirements: support HDMI and HDCP.</li> </ol>	
7.	<b><i>Signal Transmitters Type 2</i></b>	<ol style="list-style-type: none"> <li>1. The signal transmitters must extend HDMI video, audio, and data over a single UTP/STP cable to compatible transmission receiver modules or ports.</li> <li>2. Transmitter must support connection of four separate sources simultaneously.</li> <li>3. The following source formats must be supported: Display Port, HDMI, DVI-I</li> </ol>	
8.	<b><i>Plenum Rated / Equivalent Amplifier</i></b>	<ol style="list-style-type: none"> <li>1. ULC rated for operation in a ceiling plenum.</li> <li>2. 40W minimum output power at 4 or 8 ohm or 70V.</li> <li>3. Frequency response: 20Hz-20 kHz. 1.7.23.4.</li> <li>4. Amplifier class: D.</li> <li>5. Control: RS-232.</li> <li>6. Cooling: Convection-Cooling (no fans).</li> </ol>	
9.	<b><i>Video Devices (and related accessories)</i></b>	<ol style="list-style-type: none"> <li>1. Distribution Amplifier / Extender (Rx) (at displays)</li> <li>2. Distribution Amplifier / Extender (Tx) (in table)</li> <li>3. Distribution Amplifier / Extender (Tx) (at display)</li> <li>4. Distribution Amplifier / Extender (Tx) (at display for VC camera)</li> <li>5. Presentation Scaler Switcher</li> <li>6. Wireless presentation system Base</li> <li>7. USB-powered wireless AV-streamer</li> <li>8. 2 VC Cameras - 1080p 12x (Voice and Sound Tracking Enabled)</li> </ol>	



		<ul style="list-style-type: none"> <li>9. Automatic people tracking technology up to 10m</li> <li>10. Camera output: 1 x mini-HDCI, 2 x USB 2.0, 2 x HDMI, 1 x 3.5 mm stereo line-in</li> </ul>	
<b>10.</b>	<b><i>Audio Devices (and related accessories)</i></b>	<ul style="list-style-type: none"> <li>1. Ceiling Microphone array “Primary”</li> <li>2. Ceiling Microphone array “Extension”</li> <li>3. Audio expander</li> <li>4. 4" – 6" Two Way Wall Mount Speakers</li> </ul>	
<b>11.</b>	<b><i>Other Accessories</i></b>	<ul style="list-style-type: none"> <li>1. Flip Top Table access box</li> <li>2. HDMI cable retractor</li> <li>3. USB cable retractor</li> <li>4. Network cable retractor</li> <li>5. RJ45 connector plate</li> <li>6. Dual AC power outlet</li> <li>7. Adapter Dongles (HDMI-miniHDMI; HDMI-DisplayPort)</li> <li>8. Power Bar (under table)</li> <li>9. Mounting brackets for Cameras</li> </ul>	

**Lot 38: GRAPHICS AUTHORIZING IMAC PRO COMPUTER**

**IMAC MINIMUM TECHNICAL SPECIFICATIONS**

<b><i>ITEM</i></b>	<b><i>REQUIREMENT</i></b>
Processor & Core Logic	3.2GHz 8-core intel Xeon W processor
System Memory	32GB
Storage Subsystem	4TB SSD;
Graphics	Radeon Pro Vega 64 with 16GB of HBM2 memory
Power System	220 – 240 VAC Power supply
Display/Graphics	27-inch (diagonal) LED-backlit display Retina 5K display 5120 by 2880 pixels 1200:1 contrast ratio 500 nits brightness
Keyboard	Space Gray Magic Keyboard with Numeric Keypad
Pointing Device	Space Gray Magic Mouse 2
Communication interface	10Gb Ethernet, 802.11ac Wi-Fi, Bluetooth 4.2 wireless technology
I/O interface ports	Four USB 3 ports, Four Thunderbolt 3 (USB-C) ports, SDXC card slot, FaceTime HD camera
<i>Operating System</i>	macOS
Warranty	3 years

**Lot 39: iSpring Suite**

iSpring Suite with lifetime license

**Lot 40: Adobe CS6 Master Collection**

Licensed CS6. (Suite includes Acrobat X Pro, After Effects, Audition, Dreamweaver, Fireworks, Flash Pro, Flash Builder, InDesign, Illustrator, Lightroom, Photoshop Extended, and Premiere Pro).

**Lot 41: Camtasia® 2018**

Single User License: Includes 2 installations per user, compatible with windows and MacOS.

**Lot 42: Articulate Storyline 3**

2 Licenses for Storyline 3 upgrade – Upgrading from Storyline 2

**Lot 43: Videoscribe**

One-Off 2 User License

**SECTION VII: ADDITIONS TO PRICE SCHEDULE FOR GOODS**

Name of tenderer ..... Tender Number.....Page...of.....

**Vendors to mark (In Bold) the Campus he/ she is quoting for.**

- 1. LOWER KABETE
- 2. MOMBASA
- 3. MATUGA
- 4. EMBU
- 5. BARINGO

No	ITEM DESCRIPTION	UNIT	EST. QTY	UNIT PRICE	TOTAL
31.	5D SLR DIGITAL CAMERA	No	1		
32.	6D SLR DIGITAL CAMERA	No	1		
33.	EW 100-ENG G3 WIRELESS MICROPHONE	No	1		
34.	EW 112-P G3 LAVALIER MICROPHONE	No	1		
35.	EAR HEADPHONES	No	2		

36.	LED DISPLAY	No	1		
37.	VIDEO CONFERENCE SYSTEM	No	1		
38.	GRAPHICS AUTHORIZING IMAC PRO COMPUTER	No	2		
39.	ISPRING SUITE	No	2		
40.	ADOBE CS6 MASTER COLLECTION	License	2		
41.	CAMTASIA ® 2018	License	1		
42.	ARTICULATE STORYLINE 3	License	2		
43.	VIDEOSCRIBE	License	2		