

Tender No:

KDU/PRO/CAP/171/2022



General Sir John Kotelawala Defence University,
Kandawala Estate, Ratmalana,
Sri Lanka.
T: Phone: 2632028 , 2622995
Fax : 2622504, 2623599
Web: www.kdu.lk

16/06/ 2023

INVITATION TO BID AND GENERAL CONDITIONS OF TENDER

1. The Vice Chancellor of the General Sir John Kotelawala Defence University, as the Chairman, Department Procurement Committee Invites Bid/s from prospective Bidders for supply of **item/s listed in the schedule in Annex “A”**. **The relevant specifications of the item/s are indicated in Annex “B”**.

2. **CLOSING DATE & TIME.** The tender will close at 1000 hrs. on **22 / 06 /2023**. Any Bid submitted after the closing time of the tender will be rejected & unopened such bids will be returned to the bidder.

3. **VALIDITY OF BID.** The bid submitted under this tender **must be valid for a minimum period of 90 days from the date of closing of tender.**

4. **BID BOND / GUARANTEE.**
(a) If the quoted bid value exceeds Rs: 2,000,000.00, such Bids should be accompanied with 1% of Bid Value an “on demand” and “unconditional” Bid Bond/Guarantee for a sum of **Rs:** in the format given in Annex “C” through a recognized local Bank or Insurance Company registered in Sri Lanka which is authorized by the Insurance Board of Sri Lanka to issue such Bid Guarantees. All Bid Bond/Guarantees should be valid for at least 30 days more than the validity period of bids, ie, for 79 days from the date of Bid opening. **Cheques will not be accepted as Bid Guarantee.**

(b) Submission of insufficient Bid Bond/Guarantee value or period will be considered as a “**major deviation**” and such offer will not be considered for further procurement action and will be rejected.

5. **VALUE ADDED TAX.** The Bidders who bid for locally delivered items must have the VAT registration. The VAT portion must be shown separately in the price schedule in Annex “A” and VAT registration number must be indicated. If the quoted item is exempted from VAT or Bidding Company is not liable for VAT, reference number and date of relevant Act number/Gazette notification/a certificate (as applicable) **issued for the current financial year** from the Commissioner General of Inland Revenue to that effect should be submitted along with the Bid.

6. **BID SUBMISSION.** The **bidder must duly sign at the bottom of Annex ‘A’ of this document** indicating the name of the signatory and the name of the company & place the company common seal to confirm the acceptance of tender conditions. **The Bid/s that do not include authorized signature will be rejected.** The Bid/s duly signed by the bidder enclosed and sealed in an appropriate cover addressed to the following address should be sent by registered post or could be deposited in the **appropriate tender box placed at General Sir John Kotelawala Defence University, Kandawala Estate, Ratmalana** (at the Main Entrance of General Sir John Kotelawala Defence University) on or before the time & date specified for the closing of tender. **The tender reference number, date & time of closing tender should be indicated & underlined at the top left corner of the envelop.**

Tender Ref No :

The Chairman,
Department Procurement Committee,
General Sir John Kotelawala Defence University,
Kandawala Estate, Ratmalana,
Sri Lanka.

Closing Date & Time :

7. The Bid/s must be submitted in the attached schedule of prices in Annex “A” as applicable. However, bidders could use similar formats prepared with their own letter heads with all the details mentioned therein and submit in **three copies along with duly signed copy of a General Conditions of tender.** The Bid/s must contain **Technical Literature, Pamphlets, Drawings and Quality Standard Certificate etc** necessary to determine characteristics of items offered and in case of Machinery/Vehicles & Equipment, servicing and workshop data/after sales service, back up facilities or any other facilities provided by the supplier.

8. **SUBMISSION OF SAMPLES/PAYMENT OF TESTING CHARGES.**
When it is required to submit samples, **every offer** must be accompanied with pre - marked samples. The marking of samples **indicating the Bidder & Offer number** must be done and the samples must be handed over to the officer at same place where tender box is placed **on or before the closing date & time of the Bid.** Samples submitted after closing time of the Bid will be rejected. The documents such as Air Way Bills etc, will not be accepted in place of samples. When the testing charges are required to be paid, bidders shall pay testing charges separately **for all offers** indicated in their bid/s.

(1) **Samples.** Please submit samples.

(2) **Testing Charges.** A sum of Rs. **per offer** must be paid to the Bursar of KDU, prior to the submission of bid and a copy of the receipt must be annexed to the bid. It is the responsibility of bidder to inform the Cashier of the Account Office to note the tender number on the receipt issued for such payments.

8. **BID OPENING.** All duly received bids **will be opened immediately after the scheduled closing time of Bids at the same venue.** Bidders or their accredited agents could be present at the time of opening of bids.

9. **PRICES.**

For locally delivered items (including locally manufactured items & foreign items imported by the bidders) price must be quoted in Sri Lankan Rupees, inclusive of all charges for delivery of items to General Sir John Kotelawala Defence University Ratmalana, Faculty of Allied Health Science (FAHS) Werahera and University Hospital Werahera or Southern Campus Sooriyawewa. **Unit price, VAT and Total price should be clearly indicated in schedule in Annex "A".** Other than VAT, all other type of taxes (eg : NBT, BTT, etc.) should not be indicated separately and should be included in unit price.

10. **RESTRICTED TENDERS.**

Invitation to Bids are circulated among the registered suppliers with Ministry of Defence (MOD), only bids submitted by registered suppliers will be allowed for consideration. However, Chairman, Department Procurement Committee reserves the right to invite the bids from multiple combinations of Procurement Methods as stipulated in Chapter III of the Government Procurement Guideline, 2006 to ensure highest competitiveness.

11. **PERFORMANCE BOND/GUARANTEE.**

A successful bidder shall furnish a Performance Bond/Guarantee in the form of "On Demand" & "Unconditional" Bank/Insurance Guarantee for a sum equivalent to 10% of the contract value for every contract that exceeds Rs. 2,000,000.00 or equivalent amount in foreign currency through a recognized Commercial Bank registered in Sri Lanka or through an Insurance Company authorized by the Insurance Board of Sri Lanka to issue such Performance Guarantee for this purpose, **within two weeks from the date of notification of award.** The proceeds of the Performance Bond/Guarantee shall be payable to the Vice Chancellor of the General Sir John Kotelawala Defence University as compensation for any loss resulting from the supplier's failure to complete his performance obligations under the contract. If the contracted supplier fails to deliver the items on time or fails to complete the works as per the agreed contract, **THE TOTAL VALUE OF THE PERFORMANCE BOND/GUARANTEE** will be forfeited. If only partial delivery is made during the agreed contract period, the corresponding value percentage of undelivered quantity from the Performance Bond/Guarantee will be forfeited.

12. **SIGNING OF CONTRACT.**

The notification of award will be transmitted to the successful bidder by post, by fax or e-mail. This notification constitutes the formation of the contract. The successful bidder should submit his written acceptance for the award and performance bond / guarantee (For awards over Rs. 500,000.00 without VAT) within 14 days of receipt of such notification. Upon acceptance of the award and furnishing of the Performance Bond/Guarantee, the successful bidder will have to enter into a formal contract with the Vice Chancellor of the General Sir John Kotelawala Defence University by signing the Contract.

13. **DELIVERY.**

Preference will be given for early delivery. In case of bulk supplies for locally manufactured items, the delivery of **total quantity must be completed within 120 days of signing of contract,** unless mutually agreed for extended delivery period with General Sir John Kotelawala Defence University. **The bidder/s must indicate the proposed delivery schedule in Annex "D".** In the event of placing a purchase order with the successful bidder, the total quantity so ordered must be supplied as one consignment unless part deliveries are agreed upon in the contract. The deliveries not made as per agreed delivery schedule will be considered as bad performances by the suppliers and **no extended delivery period will be authorized.** Under extreme unavoidable conditions too, the Chairman, Department Procurement Committee (Vice Chancellor of the General Sir John Kotelawala Defence University) reserves the right to grant or refuse delivery period extensions only within the current financial year with or without liquidated claim for delayed deliveries and that decision will be final.

14. **LIQUIDATED DAMAGES.**

In case of delivery period extensions requested by the successful bidder, a sum equivalent to 1% of the total value of the delayed supply per delay of one week or part thereof may be deducted from the payment due to the supplier from the General Sir John Kotelawala Defence University as liquidated damages up to the maximum limit of 12% of the total value of delayed supplies.


15. **PAYMENT TERMS FOR LOCALLY DELIVERED ITEMS.**

Payment will be made after acceptance of items which should be subjected to a pre-acceptance inspection/testing by General Sir John Kotelawala Defence University authorities. The delivery made to the General Sir John Kotelawala Defence University should not be considered as quantities taken over by General Sir John Kotelawala Defence University until items are properly accepted after pre-acceptance inspection. Any item that does not conform to the specifications or already approved sample will be rejected & it is the responsibility of the supplier to remove them from General Sir John Kotelawala Defence University stores/premises within 07 working days of such intimation (either verbal or written) at his own cost and replace them with items conforming to specification within one month of such rejection. The bidder shall allow approximately 30-45 days' period of credit from the date of acceptance of items for Account Office, General Sir John Kotelawala Defence University to obtain liquid cash from General Treasury & release the payment.

16. **RIGHTS OF THE PROCUREMENT COMMITTEE.**

The Department Procurement Committee reserve the right to accept or reject whole or part of this tender and their decision will be final. The successful bidders will be notified. Information with regard to rejected or unsuccessful bids will not be communicated.

Thanking You,
Yours faithfully,


HRL Aberathne
Squadron Leader
for Vice Chancellor
General Sir John Kotelawala Defence University

SCHEDULE OF PRICES FOR LOCALLY DELIVERED ITEMS

S/N	ITEMS	DENO	QTY	PRICE EACH SLRS	TOTAL PRICE SLRS
	<u>PURCHASE OF LAB EQUIPMENT FOR NURSING SKILL LAB</u>				
01	supply , installation and Commission of Consultation Observation and AV Monitoring System for simulation Lab	No's	01		
	<i>Attached The Specifications</i>				
	TOTAL				
	DISCOUNT				
	TOTAL(AFTER DISCOUNT)				
	VAT %				
	GRAND TOTAL				

(A) OTHER DETAILS

- (i) DELIVERY PERIOD -
- (ii) MAKE & MODEL -
- (iii) VALIDITY PERIOD -
- (iv) WARRANTY PERIOD -
- (v) PAYMENT TERMS - CREDIT
- (vi) COUNTRY OF ORIGIN -
- (vii) DISCOUNT IF ANY -
- (viii) ANY OTHER TAXES -

(B) VAT DETAILS - VALUE ADDED TAX PERMANENT REGISTRATION CERTIFICATE / VAT EXEMPTION LETTER ISSUED BY DEPARTMENT OF INLAND REVENUE TO BE ATTACHED

(C) PLACE OF DELIVERY - ITEMS TO BE DELIVERED TO THE "GENERAL SIR JOHN KOTELAWALA DEFENCE UNIVERSITY, KANDAWALA STATE, RATMALANA ALONG WITH THE COPY OF ORDER AND RELEVANT INVOICE.

(D) Any queries / information with regard to this procurement / tender could be obtained from Officer Commanding Logistics Services office at General Sir John Kotelawala Defence University through e-mail ocls@kdu.ac.lk and by telephone number 0112622504 during working hours.

NOTE: UNIT PRICE AND TOTAL PRICE ARE TO BE INDICATED CLEARLY IN THE TENDER, IF NOT QUOTATION WILL BE REJECTED.

SUPPLIER NAME -
 ADDRESS -
 CONTACT NUMBER -
 E MAIL ADDRESS -



(E) Bid Reference: KDU/PRO/CAP/171/2022




.....
DATE






I/We agree to abide by the condition of No 01-16 bidding document and undertake to supply the items as per delivery schedule mentioned in the contract, in the event of an order been placed with me/my firm/company as a result of this tender.





..... Signature.
 Name of Signatory
 Name of the Company/Bidder
 Date :-







SPECIFICATIONS FOR SUPPLY, INSTALLATION AND COMMISSIONING OF
CONSULTATION OBSERVATION AND AV MONITORING SYSTEM FOR NURSING SIMULATION SKILLS LAB AT KDU- FAHS WERAHERA







Description	Minimum requirements	Quantity	Catalog No./Page No.	
	If the bidder offers the exact minimum requirement, can say complied/yes and mention the related data catalog no. Any ambiguity may be considered as not complied with.			
<u>PTZ Camera</u>	PTZ HDMI (FHD) camera with Wall Mount Brackets Video Output Interface, HDMI USB Video Format, HD: 1080i/60, 1080i/50, 1080p/30, 1080p/25, 720p/60, 720p/50 Sensor, 1/3-inch-high quality, 2.1MP (16:9) CMOS sensor Lens, 20x optical zoom, Near-end 55.5°~Far-end 3.0° Focus Mode, Auto, Manual Electronic Shutter, 1/30s ~ 1/10000s Digital Noise Reduction, 2D & 3D Digital Noise Reduction Control Signal Interface, 1xRS485 (2pin Phoenix Port),1xRS232 In (8pin Min DIN),Ethernet.	02		
<u>Fixed Lens Camera</u>	2 MP HDMI Fixed Dome Network Camera Image Sensor 1/2.8" Progressive Scan CMOS Min. Illumination Color: 0.009 Lux @ (F1.6, AGC ON), 0 Lux with IR Shutter Speed 1/3 s to 1/100,000 s Slow Shutter Yes Wide Dynamic Range 120dB Angle Adjustment Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355° Video Output 1 HDMI™, type D, female plug (-M) Face Detection Yes	02		
<u>55-inch Digital 4k Smart Board with Wall mount</u>	Size 55 inches LCD Panel BrandLG Panel type TFT-LED Resolution 3840 x 2160 / +B8:B244K Brightness (typ)/(min) 400 cd/m ² (typ.) Contrast(typ) 4000:1 (typ.) Response Time <6ms (typ.) Pixel Pitch 0.496 mm x 0.372 mm Visual angle 178 (H) / 178 (V) Life(typ) 50,000 hrs Color saturation (x% NTSC) 72% Display Area 1444.1mm(H)×819.8mm(V) Color 10bit (1.07Billion) Android System CPU Chipset Dual-core A73 and dual-core A53 CPU; with 1.5G frequency, Quad-core Mali G51 GPU;	01		





	<p>RAM 4GB Nand flash eMMC 5.0, 32GB flash SD card can expand a larger storage space, support office software operation System Android 9.0 OS language English, Chinese and so on. Touch support multi-touch screen, when using PC mainboard for double-system, touch function can use both windows and Android support gestures drop down the menu, and one-key call out common function shortcuts, one-key annotation, one-key switch support Android and PC system's handwriting annotation on any screen, support real annotation and panoramic annotation function Network support RJ45 & Inside wireless Video support 4K video decoding for H.265 format Other features USB port can directly support U disk to play the video of UHD (3840*2160); USB can connect the wireless mouse and keyboard, also connect the large-capacity mobile hard disk.</p>			
<u>Keyboard and mouse set</u>	<p>Wireless - 2.4 GHz - UK English QWERTY Batteries: AA batteries</p>	01		
<u>Wall mount rack</u>	<p>System rack with sufficient space for setting up PA amplifier and Wireless receiver, Mixer, HDMI splitters etc.</p>	03		
<u>Camera Controller</u>	<p>With lifetime Client software or Platform software license. Compatible System Windows XP/7/8/8.1, iVMS Comm. Interface USB 2.0, DirectX Power Supply 5V DC via USB Control Up to 15 programmable buttons Support indicators LED indicators for keyboard operation status. Joystick 3 or 4 axis (Left/Right, Up/Down, Zoom In/Zoom Out, Focus Near / Focus Far)</p>	01		
<u>TV Wall mount bracket</u>	<p>Full motion Ultra Slim Tilt Swivel TV Wall Mount Bracket for 40" LED TV Screen 30kg Weight Capacity</p>	02		
<u>Black magic Design ATEM Mini Pro Stream Switcher</u>	<p>Total Video Inputs, 4 Total Outputs, 2 Total Aux Outputs, 1 Total Audio Inputs, 2 x 3.5mm stereo mini jack. Total Audio Outputs, None, embedded audio only. Timecode Connection, None HDMI Video Inputs, 4 x HDMI type A, 10-bit HD switchable. 2 channel embedded audio.</p>	01		





	<p>Video Input Re-Sync, On all 4 HDMI inputs. Frame Rate and Format Converters, On all 4 HDMI inputs. HDMI Program Outputs, 1 Ethernet, Ethernet supports 10/100/1000 BaseT for live streaming, software control, software updates and direct or network panel connection. Computer Interface, 1 x USB Type-C 3.1 Gen 1 for external drive recording, webcam out, software control, software updates and panel connection.</p>			
<u>HDMI Splitter</u>	<p>2x4 HDMI Matrix Switch, 2 in 4 Out Matrix HDMI 2.0 Video Switcher Splitter Optical & L/R 3.5mm Audio Output, Support Ultra HD 4K x 2K,3D 1080P, Audio EDID Extractor with IR Remote Control & Power Adapter.</p>	01		
<u>HDMI Splitter</u>	<p>1x4 - 1 in 4 Out Matrix HDMI standard: 1.4 Supported resolutions: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 3D 1080p, 4K x 2K EDID duration time: 4s Max cable length 8m @ 4K UHD Power supply: 5V/1A Main features: Metal housing</p>	01		
<u>HDMI Splitter</u>	<p>4x1 - 4 in 1 Out Matrix HDMI standard: 1.4 Supported resolutions: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 3D 1080p, 4K x 2K</p>	01		
<u>USB 3.0 HUB</u>	<p>4 port USB 3.0 Connect up to 4 USB devices on a single hub Fast data transfer - up to 5 Gbps Compatible with USB 1.1, 2.0, and 3.0 devices Plug & play and hot swappable Easily portable to all your workspaces Includes type A ports Compatible with Windows 2000/XP/Vista/7/8/Linux/Mac OS 10.X or above</p>	02		
<u>Ceiling Microphone</u>	<p>Type Condenser Frequency Response 100 Hz to 10 kHz s Polar Pattern Cardioid Signal to Noise Ratio 78 dB Max. SPL (Sound Pressure Level) For 1% THD 140 dB Impedance 100 Ω Phantom Powered Output Connector XLR Microphone Type Electret Condenser with wind shield</p>	02		

<u>3-Channel small mixer and USB audio interface</u>	<p>Inputs: XLR balanced mic input, instrument jack input 6.3 mm, stereo line jack input 6.3 mm (mono usable)</p> <p>Outputs: 6.3 mm Jack stereo output, headphone output</p> <p>Switchable phantom power: 48V</p> <p>LED for signal / clip display</p> <p>USB bus-powered</p> <p>44.1 / 48 kHz</p> <p>16-Bit</p> <p>Incl. USB cable and power supply</p>	01																																						
<u>HDMI Wall outlet</u>	<p>1-Port HDMI Wall Plate with 8" Pigtail White</p> <p>8" female to female pig tail in-wall strain relief cable with sunk box</p> <p>Standard single-gang design</p> <p>HDMI v1.4 compliant</p>	04																																						
<u>Active Wall Mounted Speakers</u>	<table border="0"> <tr> <td>Inputs</td> <td>1 × 3.5mm 1 × T-Block 2 × RCA</td> </tr> <tr> <td>Outputs</td> <td>2x30 × Watts</td> </tr> <tr> <td>Description</td> <td>2-way powered speaker</td> </tr> <tr> <td>Built In Power Amplifier</td> <td>2x30W RMS, 2x80W continuous program</td> </tr> <tr> <td>Frequency Response</td> <td>45Hz to 20kHz @-10dB, 100Hz to 20kHz @±3dB</td> </tr> <tr> <td>Woofer</td> <td>5.25" polypropylene cone with rubber edge woofer</td> </tr> <tr> <td>Tweeter</td> <td>0.5" Mylar dome tweeter</td> </tr> <tr> <td>Sensitivity</td> <td>85dB SPL, 1W@1m</td> </tr> <tr> <td>Max Spl</td> <td>Continuous: 105dB, peak: 110dB</td> </tr> <tr> <td>Power</td> <td>90-240V AC, 50/60Hz</td> </tr> <tr> <td>Input Connectors</td> <td>Line level unbalanced stereo audio on a 3.5mm mini jack,</td> </tr> <tr> <td>Output Connectors</td> <td>Speaker (to connect to the external passive speaker), 3.5mm mini jack lineout for optional sub-woofer, 3.5mm mini jack loop output</td> </tr> <tr> <td>Damping Factor</td> <td>>100 @8Ohms/400Hz</td> </tr> <tr> <td>S/n Ratio</td> <td>>83dB</td> </tr> <tr> <td>THD</td> <td><0.2%</td> </tr> <tr> <td>Controls</td> <td>Volume, bass and treble</td> </tr> <tr> <td>Materials</td> <td>Aluminum grill, steel brackets, ABS cabinet</td> </tr> <tr> <td>Weight Per Single Speaker</td> <td>Active speaker: 2.7kg (5.95lbs) approx</td> </tr> </table>	Inputs	1 × 3.5mm 1 × T-Block 2 × RCA	Outputs	2x30 × Watts	Description	2-way powered speaker	Built In Power Amplifier	2x30W RMS, 2x80W continuous program	Frequency Response	45Hz to 20kHz @-10dB, 100Hz to 20kHz @±3dB	Woofer	5.25" polypropylene cone with rubber edge woofer	Tweeter	0.5" Mylar dome tweeter	Sensitivity	85dB SPL, 1W@1m	Max Spl	Continuous: 105dB, peak: 110dB	Power	90-240V AC, 50/60Hz	Input Connectors	Line level unbalanced stereo audio on a 3.5mm mini jack,	Output Connectors	Speaker (to connect to the external passive speaker), 3.5mm mini jack lineout for optional sub-woofer, 3.5mm mini jack loop output	Damping Factor	>100 @8Ohms/400Hz	S/n Ratio	>83dB	THD	<0.2%	Controls	Volume, bass and treble	Materials	Aluminum grill, steel brackets, ABS cabinet	Weight Per Single Speaker	Active speaker: 2.7kg (5.95lbs) approx	01		
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	<p>Weight With Mounting Kit Active Speaker: 3.1kg (6.83lbs) approx</p> <p>Installation Clearance Front panel to wall (with mounting bracket): 22cm (8.7in) Back panel to wall (with mounting bracket): 4.5cm (1.8in)</p> <p>Accessories 1 x pair of U-shaped rotating mounting brackets with 4 mounting knobs, 4m (13.1ft) power cord, 4m (13.1ft) loudspeaker cable and a 2m (6.6ft) 3.5mm to 2 RCA cable</p> <p>Color white</p>			
<p><u>Analog 8 Ch Audio Mixer with USB I/O interface</u></p>	<p>Specifications:</p> <p>Input (Mic) - Mic/Line Combo Inputs: 2</p> <p>Input (Mic) - Gain: 2</p> <p>Input (Mic) - Inputs with Hi-Z: 1</p> <p>Input (Mic) - Peak Light: 2</p> <p>Input (Mic) - EQ High: 2</p> <p>Input (Mic) - EQ Mid: 2</p> <p>Input (Mic) - EQ Low: 2</p> <p>Input (Mic) - Pan: 2</p> <p>Input (Mic) - Level: 2</p> <p>Input (Line) - 1/4" Stereo Line Inputs w/Trim: 2</p> <p>Input (Line) - RCA Stereo Line Inputs: 1</p> <p>Input (Line) - 1/4" Stereo Line External FX Return: n/a</p> <p>Input (Line) - Aux/FXL: 3</p> <p>Input (Line) - Balance: 3</p> <p>Input (USB) - USB Return: 2, summed with RCA, into channel 7&8</p> <p>Output - Master Stereo Out: 1</p> <p>Output - Monitor Stereo Out: 1</p> <p>Output - Aux Out: 1</p> <p>Lexicon Processing - Reverb/Chorus/Delay: 1</p> <p>Lexicon Processing - Tap Tempo: 1</p> <p>Output Control - Master Level Fader: 1</p> <p>Output Control - Monitor/Phones Level: 1</p> <p>Output Control - Output Meters: 4x LED</p>	01		

<p><u>Microphone</u> <u>Clip-on.</u></p>	<p>Selectable UHF channels Compatible with lavalier or headset microphone AA battery operated Equipped with 4P Mini XLR connector XLR balanced & 6.3mm unbalanced outputs. Belt clip with carrying case</p>	03		
<p><u>Gooseneck Microphone</u></p>	<p>Minimum susceptibility to acoustic feedback. Solid and high-quality workmanship to ensure a long service life. 12'' Gooseneck with integrated 3-pole XLR plug Polar pattern super cardioid Max. SPL for 1% THD:125dB Frequency Response: 20 to 20,000Hz Phantom power 48V and Battery 1.5V x02 Powered</p>	02		
<p>LED Display with HDMI</p>	40-inch TV monitor with HDMI, Full HD, Wall mountable	01		
<p>LED Display with HDMI</p>	15.6" Full HD 1920x1080 USB-C HDMI Portable Slim Monitor W/Stand	01		
<p><u>PA Speakers</u></p>	<p>15W full-range Loudspeaker 100v Multi-Tap Transformer/Low Impedance Compact Size with High Power Asymmetric Horn for Optimized Sound System High performance sound quality for background music & voice reproduction Multi-position knuckle mount bracket AC Power Input 230 V, 50 Hz Input Channels 5X Mic 0.6m V/4.7KΩ, 1X Aux 100m V/470 kΩ / 1X Aux 200mV/250KΩ (RCA JACK) Power Consumption AC: 250 VA</p>	04		
<p><u>Desktop Network Switch</u></p>	<p>8-Port PoE Gigabit Unmanaged Switch. 8x Gigabit Ethernet ports (4x PoE+ ports) total PoE budget of 100 Watts, 10/100/1000 BASE-T ports that support the IEEE 802.3at PoE protocol.</p>	01		

<u>Laptop PC</u>	Intel Core i7-8 th Gen, 16GB DDR3, 1TB 7200rpm HDD, 256 GB SSD, 2 GB Intel Graphics, Wi-Fi, HDMI, Web Cam, Ethernet IEEE 802.3 (10Base-T), BT 4.0, Win 10 Pro 64, MS Office, <i>Open Broadcaster Software (OBS Studio), VLC player, Audio Interface software. Audacity, USB capturing software, Licensed virus guard.</i>	01		
<u>2KVA UPS</u>	DIP Line Interactive 2Kva Ups (2 YEARS WARRANTY) <ul style="list-style-type: none"> • Intelligent CPU controlled • Fully AVR • Cold start • Strong generator Compatibility • Automatic battery charging in UPS off mode • Surge Protection • With strong electromagnetism compatibility, no electromagnetic interference to load • Software monitoring (USB) optional intelligent UPS come with user friendly UPS monitoring software that monitor and records input/output voltages battery status load level. • Full time EMI/RFI suppression eliminates high frequency electrical noise that are harmful to the computer and the main case for data corrupting. • Full protection against over voltage / low voltage 	01		
OPTION AL ACCESS ORIES				
<u>USB 3.0 OTG Converter Type C - USB</u>	USB Female to Type-c Male Adapter Converter	02		
<u>USB Flash Drive</u>	64GB Cruzer Blade USB 2.0 Flash Drive	01		
<u>Audio Isolator</u>	Two Channel Audio Ground loop eliminator.	02		

<p><u>USB HDMI Capturing card</u></p>	<p>Audio Video Capture Cards HDMI to USB 1080p USB2.0 Record via DSLR Camcorder Action Cam Link for High Definition for Streaming, Teaching, Video Conference or Live Broadcasting</p>	<p>02</p>		
<p><u>HDMI Extender</u></p>	<p>Length of CAT5e/CAT6 cable between Rx and TX Up to 100 meters HDMI Input. 4K/1080p/720p/576p/576i/480p/480i HDMI Output. 24/50/60fs/1080p/1080i/720p/576p/576i/480p/480i Max bandwidth 340MHz Max baud rate 3.4 x 3Gbps Input video signal 0.5~1.5Volts p-p</p>	<p>02 pairs</p>		
<p><u>HDMI Cables</u></p>	<p>Length: 2 m x 02 Length: 1 m x 02 Version: HDMI 1.4a 1080p Plugs: HDMI male <-> HDMI male Gold-plated</p>			
<p><u>Headset</u></p>	<p>Branded TRS /high quality double-sided headset with 6.35mm TRS connector Headphone type Closed-back Max. Input Power 200 mW Audio frequency bandwidth 18 - 26000 Hz Sensitivity 107 dB SPL/V Rated Impedance 55 Ohms Ear pads leatherette velvet Detachable cable Polar Pattern Cardioid</p>	<p>01</p>		
<p>Installation and commissioning</p>	<p>Real time and Live Streaming capable consultation observation and recording system should be installed & completed by the supplier. The supplier should install the AV system according to the General Audiovisual System Standards and guidelines. Supplier must forward the system connection diagram for the total solution. Training session must be given with the fully operational instructions. Charges for the head equipment, installation, other essential accessories between end to end equipment - (Power distribution, Audio – Video, Network cables, splitters, connectors, mounts, brackets etc.) also to be supplied & stated separately by the bidder. Optional Accessories must be considered as additional requirements.</p>			
	<p>x 02 PTZ Cameras, 40” wall mounted Video monitor, x1 speaker and x 2 ceiling microphones, x1 wireless Mic are used in Simulation LAB; and Digital Smart Board, x1 Gooseneck Mic, x1 XLR wall socket, x1 wireless Mic, x1 Fixed Lens camera x1 Speaker should be in the debriefing room. Camera controller, Laptop, Mixers, PA Amp, LED Display, 01 Gooseneck Microphone, Accessories and x1 Audio Monitor, should be installed at the control room. x 01 FL camera should be installed in front of the control room. x1 USB mixer, x1 HDMI cable for existing multimedia projector to a HDMI wall socket, and Powered speaker to be installed at Adult</p>			

	Clinical Skills Lab. Smart board , x1 Gooseneck Mic, wall speaker, x1 wireless - Mic, key board, mouse, should install debriefing room.			
Warranty period	Two years comprehensive. The bidder should provide a replacement, if the system is taken out for repairs and vender must do the transportation of the system.			
Prepared By - AV T/O (i) FAHS KDU ©				



Simulation Control Room – FAHS Werahera

SPECIMEN FORM OF BID SECURITY

By this Bond we (hereinafter called "the Bidder") and We (name of bank or insurance company) whose registered office is at (hereinafter called "the Surety") are held and firmly bound onto (hereinafter called the Authority") in the sum of for the payment of which sum the Bidder and the Surety bind themselves their successors and assigns jointly and severally by those presents.

Whereas the authority has invited the Tender and other persons to compete tenders in similar terms for the supply of and to submit the same for the consideration of the Authority, and the Bidder proposes to submit to the Authority a Bid (hereafter called "the Bid") in accordance with such invitation, the Bond shall provide security to the Authority that the Bidder will honour certain obligations to be undertaken by him in the Tender in accordance with the following conditions.

Now the Conditions of this Bond are:

- (a) That it shall remain in full force and effect until the earliest of
 - (i) (Date), being () days from (submission date), the date stipulated by the Authority for the submission of tenders, or any prolongation of such date above notified to the Authority by the Bidder and the Surety in writing.
 - (ii) In the event of acceptance of the Tender by the Authority, the date upon which the Bidder provides a performance security to the Authority in accordance with the terms of the contract thereby made between them, or
- (b) Subject to this Bond being in full force and effect, the Surety shall pay the full amount specified in this Bond upon receipt of first written demand form the Authority stating that.
 - (i) The Bidder has withdrawn his Tender during the validity of this Bond, or
 - (ii) The Bidder has failed to provide a performance security to the Authority in accordance with the terms of the tender within 14 days from receipt of intimation of award of the Tender.

No alteration in the terms of the Tender, nor any forbearance of forgiveness in or in respect of neither any matter or thing concerning the Tender on the part of the Authority, nor any objection from the bidder shall in any way release the Surety from any liability under this Bond.

The benefit of this Bond shall not be assignable by the Authority and upon its ceasing to be in full force and effect the Authority shall return the same to the Bidder.

This Bond shall be governed by the laws of Sri Lanka

I executed as a deed on this () day of (For and on behalf of the Bidder

Signed by.....

In the capacity of -----

and by.....

In the capacity of -----

Seal (where applicable)

Signed by.....

In the capacity of -----

and by

In the capacity of -----

Seal (where applicable)

DELIVERY SCHEDULE

(IT IS MANDATORY TO FILL THE FOLLOWING SCHEDULE BY THE BIDDER)

TENDER NO :

ITEM :

QTY :

DURATION	QTY
EX STOCK QTY (WITHIN 01 WEEK)	
01MONTH	
02 MONTHS	
03 MONTHS	
04 MONTHS	
TOTAL	

NAME OF THE BIDDER :

SIGNATURE OF BIDDER :

DATE :

COMPANY SEAL :