

Tender No:  
KDUSC/PRO/CAP/004/2022

M/S.....  
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General Sir John Kotelawala Defence University,  
Southern campus, Edison Hills,  
Nugegallaya, Sewanagala, Sri Lanka.  
Adjutant 0473624894  
Procurement Officer 0473624893  
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18 February 2022

## **INVITATION TO BID AND GENERAL CONDITIONS OF TENDER**

1. The Rector of the General Sir John Kotelawala Defence University – Southern Campus, as the Chairman, Department Procurement Committee invites Bid/s from prospective Bidders for supply of **items listed and specifications of the items are indicated in Annex “A”.**
2. **CLOSING DATE & TIME.** The tender will close at 1000hrs on **08 / 03 / 2022**. 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 period of 120 days from the date of closing of tender.**
4. **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.
5. **BID SUBMISSION.** The **bidder must duly sign at the last page (before Annexes) 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- Southern Campus, Edison Hills, Nugegallaya, Sewanagala.** (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.**
6. **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.
7. **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- Southern Campus stores at Sewanagala. **Unit price, VAT and Total price should be clearly indicated in schedule in Annex “A”.**
8. **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 “E”.** 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.**
9. **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. Any item that does not confirm 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.
10. **Special Instruction 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. When the testing charges are required to be paid, bidders shall pay testing charges separately **for all offers** indicated in their bid/s.
  - (i) **Samples.** Please submit..... Samples.
  - (ii) **Testing Charges.** A sum of Rs. .... **per offer** must be paid to the Assistant 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.

11. **RIGHTS OF THE PROCUREMENT COMMITTEE**. The General Sir John Kotelawala Defence University – Southern Campus 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,



For Rector  
General Sir John Kotelawala Defence University  
Southern Campus

I/We agree to abide by the conditions of tender 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

NIC:.....

.....  
Name of the Company/Bidder

Date :- .....

Company seal

SR/ NO	Description	Deno mination of Qty	Qty Required	Country/ Brand Or Origin	Unit Price	Total Price
	<b><u>PURCHASE OF ELECRICAL ITEMS &amp; CABLES FOR ESTABLISHING CCTV SYSTEM IN OFFICER MESS AT SOUTHERN CAMPUS</u></b>					
1	5 MP Ultra Low Light Fixed Turret Camera With Power Adapter (30 Meter Dome Camera) (Specification attached as Annex B)	Nos	04			
2	5 MP Ultra Low Light Motorized Varifocal Bullet Camera With Power Adapter (80 Meter Bullet Camera) (Specification attached as Annex C)	Nos	06			
3	5 MP Ultra Low Light Fixed Mini Bullet Camera With Power Adapter (30 Meter Bullet Camera) (Specification attached as Annex D)	Nos	05			
4	16-ch 5 MP 1U H.265 DVR (5MP support Turbo HD 4.0, Two SATA Interfaces with two 1TB Hard Drive ) (Specification attached as Annex E)	Nos	01			
5	100M Coaxial Cable Rolls (Specification attached as Annex F )	Nos	11			
6	100M TT cable (flexible) Rolls	Nos	07			
7	BNC Connector	Nos	40			
8	1.2 KVA UPS (Specification attached as Annex G )	Nos	01			
9	21" HD Monitor (LED) (Specification attached as Annex H )	Nos	01			
10	5U Rack (Specification attached as Annex I )	Nos	01			
11	2m HDMI Cable	Nos	01			
	<b>Note :</b>					
	<b>VAT: ..... (08%)</b>					
	<b>Grand Total:.....</b>					
	<b>Warranty:.....</b>					
	<b>Make Model &amp; Country</b>					
	<b>* Please Indicate The Unit Price After All Possible Discount.</b>					

- I. Validity of Offer  
 II. Delivery Period  
 III. Credit Period  
 IV. Discount if any  
 V. Ex- Stock availability

.....  
 Rubber Stamp of the Firm

.....  
 Signature of Authorized Officer

Name:.....  
 T/Phone No:.....  
 E mail : .....

Registration No:.....

**01 Specification for 5 MP Ultra Low Light Fixed Turret Camera with Power Adapter**

<b>Description</b>	<b>Minimum Requirement</b>	<b>Bidder's Compliance Yes/No</b>	<b>If "No" Bidders Offer</b>
<b>General</b>			
Manufacturer	Specify		
Brand	Specify		
Material	Metal		
Dimension	90 mm × 79.37 mm (3.54" × 3.12") Approx. 300 g (0.66 lb.)		
Communication	Up the coax, Protocol: TVI output		
Power Supply	<b>Compatible power adapter should be provided (price included for power adapter and camera)</b>		
Consumption	Max. 5.8 W		
IR Range	Up to 30 m		
Protection	IP67		
<b>Camera</b>			
Image Sensor	5-megapixel progressive scan CMOS		
Max. Resolution	2560 (H) × 1944 (V)		
Min. Illumination	Color: 0.003 Lux@ (F1.2, AGC ON), 0 Lux with IR		
Shutter Time	PAL: 1/25 s to 1/50,000 s, NTSC: 1/30 s to 1/50,000 s		
Day & Night	IR cut filter		
Angle Adjustment	Pan: 0° to 360°, Tilt: 0° to 75°, Rotate: 0° to 360°		
<b>Image</b>			
Frame Rate	TVI: 2 MP@25fps, 2 MP@30fps, 4 MP@25fps, 4 MP@30fps, 5 MP@20fps, AHD: 4 MP@25fps, 4 MP@30fps, 5 MP@20fps, CVI: 4 MP@25fps, 4 MP@30fps, CVBS: PAL, NTSC		
Day/Night Mode	Auto/Color/BW (Black and White)		
<b>Interface</b>			
Video Output	Switchable TVI/AHD/CVI/CVBS		
<b>Event</b>			
Motion Detection	4 programmable areas		
<b>Vendors Experience</b>	Supplier should have at least <b>3 Years'</b> Experience by selling this Product		
<b>Brochures</b>	Brochures for the offered model shall be submitted along with the tender.		
<b>Warranty</b>			
Warranty	3 years Comprehensive or more		

**02 Specification for 5 MP Ultra Low Light Motorized Varifocal Bullet Camera with  
Power Adapter**

<b>Description</b>	<b>Minimum Requirement</b>	<b>Bidder's Compliance Yes/No</b>	<b>If "No" Bidders Offer</b>
<b>General</b>			
Manufacturer	Specify		
Brand	Specify		
Material	Metal		
Dimension	90 mm × 79.37 mm (3.54" × 3.12") Approx. 300 g (0.66 lb.)		
Communication	Up the coax, Protocol: TVI output		
Power Supply	<b>Compatible power adapter should be provided (price included for power adapter and camera)</b>		
Consumption	Max. 10.5 W		
IR Range	Up to 80 m		
Protection	IP67		
<b>Camera</b>			
Image Sensor	5-megapixel progressive scan CMOS		
Lens Type	2.7 mm to 13.5 mm motorized varifocal lens		
Max. Resolution	2560 (H) × 1944 (V)		
Min. Illumination	Color: 0.003 Lux@ (F1.2, AGC ON), 0 Lux with IR		
Shutter Time	PAL: 1/25 s to 1/50,000 s, NTSC: 1/30 s to 1/50,000 s		
Day & Night	IR cut filter		
Angle Adjustment	Pan: 0° to 360°, Tilt: 0° to 75°, Rotate: 0° to 360°		
<b>Image</b>			
Frame Rate	TVI: 2 MP@25fps, 2 MP@30fps, 4 MP@25fps, 4 MP@30fps, 5 MP@20fps, AHD: 4 MP@25fps, 4 MP@30fps, 5 MP@20fps, CVI: 4 MP@25fps, 4 MP@30fps, CVBS: PAL, NTSC		
Day/Night Mode	Auto/Color/BW (Black and White)		
<b>Interface</b>			
Video Output	Switchable TVI/AHD/CVI/CVBS		
<b>Event</b>			
Motion Detection	4 programmable areas		
<b>Vendors Experience</b>	Supplier should have at least <b>3 Years'</b> Experience by selling this Product		
<b>Brochures</b>	Brochures for the offered model shall be submitted along with the tender.		
<b>Warranty</b>			
Warranty	3 years Comprehensive or more		

**03 Specification for 5 MP Ultra Low Light Fixed Mini Bullet Camera with Power Adapter**

<b>Description</b>	<b>Minimum Requirement</b>	<b>Bidder's Compliance Yes/No</b>	<b>If "No" Bidders Offer</b>
<b>General</b>			
Manufacturer	Specify		
Brand	Specify		
Material	Metal		
Dimension	90 mm × 79.37 mm (3.54" × 3.12") Approx. 300 g (0.66 lb.)		
Communication	Up the coax, Protocol: TVI output		
Power Supply	<b>Compatible power adapter should be provided (price included for power adapter and camera)</b>		
Consumption	Max. 5.8 W		
IR Range	Up to 30 m		
Protection	IP67		
<b>Camera</b>			
Image Sensor	5-megapixel progressive scan CMOS		
Max. Resolution	2560 (H) × 1944 (V)		
Min. Illumination	Color: 0.003 Lux@ (F1.2, AGC ON), 0 Lux with IR		
Shutter Time	PAL: 1/25 s to 1/50,000 s, NTSC: 1/30 s to 1/50,000 s		
Day & Night	IR cut filter		
Angle Adjustment	Pan: 0° to 360°, Tilt: 0° to 180°, Rotate: 0° to 360°		
Lens Mount	M12		
<b>Image</b>			
Frame Rate	TVI: 2 MP@25fps, 2 MP@30fps, 4 MP@25fps, 4 MP@30fps, 5 MP@20fps, AHD: 4 MP@25fps, 4 MP@30fps, 5 MP@20fps, CVI: 4 MP@25fps, 4 MP@30fps, CVBS: PAL, NTSC		
Day/Night Mode	Auto/Color/BW (Black and White)		
<b>Interface</b>			
Video Output	Switchable TVI/AHD/CVI/CVBS		
<b>Event</b>			
Motion Detection	4 programmable areas		
<b>Vendors Experience</b>	Supplier should have at least <b>3 Years'</b> Experience by selling this Product		
<b>Brochures</b>	Brochures for the offered model shall be submitted along with the tender.		
<b>Warranty</b>			
Warranty	3 years Comprehensive or more		

**04 Specification for 16-ch 5 MP 1U H.265 DVR (5MP support Turbo HD 4.0,  
Two SATA Interfaces)**

Description	Minimum Requirement	Bidder's Compliance Yes/No	If “No” Bidders Offer
<b>General</b>			
Manufacturer	Specify		
Brand	Specify		
Dimension	380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch) (0.66 lb.)		
Power Supply	<b>Compatible power adapter should be provided (price included for power adapter)</b>		
Consumption	≤ 25 W (Without HDDs)		
Storage	<b>Supplier Should Provide Compatible two (02) HDD 1TB capacity along with the DVR (Price Should Include with the 02 HDDs 1TB in capacity)</b>		
<b>Recording</b>			
Video Compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264		
Encoding Resolution	8 MP/5 MP/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF		
Frame Rate	Main stream: ,8 MP@8fps/5 MP@12fps/4 MP@15fps/3 MP@18fps,1080p/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N), Sub-stream: WD1/4CIF/CIF@25fps (P)/30fps (N)		
Video Bit Rate	32 Kbps to 10 Mbps		
Stream Type	Video, Video & Audio		
Audio Bit Rate	64 Kbps		
Lens Mount	M12		
<b>Video and Audio</b>			
IP Video Input	16-ch (up to 32-ch) Up to 8 MP resolution Support H.265+/H.265/H.264+/H.264 IP cameras		
Audio Input	4-ch, RCA (2.0 Vp-p, 1 KΩ)		
Audio Output	1-ch, RCA (Linear, 1 KΩ)		
Analog Video Input	16-ch BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection		
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)		
AHD Input	5 MP, 4 MP, 1080p25, 1080p30, 720p25, 720p30		
HDCVI Input	4 MP, 1080p25, 1080p30, 720p25, 720p30		
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω),		
VGA/HDMI Output	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI: 1-ch, 4K (3840 × 2160)/30Hz, ,2K (2560 × 1440)/60Hz,1920 × 1080/60Hz, 1280 × 1024/60Hz, ,1280 × 720/60Hz, 1024 × 768/60Hz		

HDTVI Input	8 MP, 5 MP, 4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25		
Synchronous Playback	16-ch		
<b>Interface</b>			
Video Output	Switchable TVI/AHD/CVI/CVBS		
<b>Network</b>			
Remote Connections	128		
Network Protocols	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF		
Network Interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface		
<b>Auxiliary Interface</b>			
SATA	2 SATA interfaces		
Capacity	Up to 10 TB capacity for each disk		
Alarm In/Out	16/4		
USB Interface	Front panel: 1 × USB 2.0, Rear panel: 1 × USB 3.0		
Serial Interface	RS-485 (half-duplex)		
<b>Event</b>			
Motion Detection	4 programmable areas		
<b>Vendors Experience</b>	Supplier should have at least <b>3 Years'</b> Experience by selling this Product		
<b>Brochures</b>	Brochures for the offered model shall be submitted along with the tender.		
<b>Warranty</b>			
Warranty	3 years Comprehensive or more		

**05 Specification for 100M 3C2V CCTV Video Cable Full Copper (Coaxial Cable)****Roll**

<b>Description</b>	<b>Minimum Requirement</b>	<b>Bidder's Compliance Yes/No</b>	<b>If "No" Bidders Offer</b>
<b>General</b>			
Manufacturer	Specify		
Brand	Specify		
Model	<b>3C2V</b>		
Material	<b>Full copper</b>		
Application	For Use in Longer CCTV Run Lengths		
Length	100m		
Inner Conductor Resistance	The Max. at 20°C shall be <145Ω/km		
Inner Conductor	50mm BC		
Dielectric	1mm SPE		
Shield	14mm×6×25 BC Braid(L=26)		
Jacket	4±0.5mmPVC		
Jacket Thickness	08mm		
Impedance	50 ohm or better		
Capacitance	69±4 pF/m		
Return loss	between 5 and 1000MHz: > 20dB		
Cable bend radius	10 times the cable diameter		
<b>Warranty</b>			
Warranty	03 months or more		

**06 SPECIFICATIONS – 1.2 KVA UPS**

Ítem	Minimum Specification	Bidders Compliance	
		Yes / No	If “No” Indicate Your Offer
Brand	(Specify)		
Model	(Specify)		
Country of Origin	(Specify)		
Country of Manufacture / Assembled	(Specify)		
UPS Type	Line Interactive		
Input Power	180-270 Volts, 50Hz-60Hz		
Output Power	230 Volts, 50Hz		
Output Slots	At Least Two universal Output Slots		
Back Up Time	10 minutes ( Full Load)		
Capacity	1200 VA minimum or better		
Transfer Time	0.5ms or less		
Indicator	Audible Power Failer Alarm, Seperate LED for A/C Power, Battery Charging, Battery Backup, Low Battery Alarm		
Protection	Over Voltage Protection, Lighting, Short Circuit Protection, Surge Protection		
Battery Type	Sealed & Maintenance Free		
Supplier should be a Manufacture Authorized Agent in Sri Lanka and Proof should be provided	Supplier Should Have Certified Repair Centre and Island wide Branches for immediate Warranty facility		
Recharging Time	5-6 hours to 90% Capacity		
Vendors Experience	Supplier should have at least 5 Years' Experience by selling this Product		
Authorization	Supplier should be a Manufacture Authorized Agent in Sri Lanka and Proof should be provided		
Warranty	Manufacturer Warranty for a minimum of Three (3) years including replacements of all defective parts with rechargeable batteries. All kind of repairs should be completed withing 24 hours (One working days) during the warranty period. All defective parts should be replaced with brand new parts during the warranty period.		
Brochures	Brochures for the offered model (Only) shall be submitted with the tender		

**07 Specification - Monitor 21" LED monitor**

Description	Required Specification	Bidder's Compliance	
		Yes/No	If "No" your Offer
Make/Brand	Specify		
Model	Specify		
Country of Origin	Specify		
Country of Manufacture	Specify		
Year of Manufacture	Specify		
Display	21.5" LED monitor		
Input/output connectors	VGA and HDMI		
Power Cable	Should be provide		
Wall Mount	Compatible Wall Mount Kit Should be Provided (Price should include with Monitor)		
Power supply	Internal		
Input power	100-240V AC 50/60 Hz		
Aspect Ratio Widescreen	(16:9)		
Optimal Resolution	1920 x 1080 @ 60 Hz		
Connectivity	HDMI and VGA		
Display Connectivity	VGA cable and HDMI Cable should be provided		
Brochures	Brochures for the offered model shall be submitted along with the tender.		
Warranty 3 year	3 years' comprehensive on-site warranty including all parts and labor and covering against all types of defects and faults related to the product quality and workmanship Maximum Response time of 3 hours Maximum Resolution Time of 8 working hours.  (In failure to do so, vendor must supply a backup Monitor with similar capabilities)		
Supplier should be a Manufacture Authorized Agent in Sri Lanka and Proof should be provided	Supplier Should Have Certified Repair Centre and Island wide Branches for immediate Warranty facility		
Vendors Experience	Supplier should have at least 5 Years' Experience by selling this Product		
Authorization	Supplier should be a Manufacture Authorized Agent in Sri Lanka and Proof should be provided		

**08 Specification – 5U Equipment Cabinet – Wall mount with 04 Way  
power plugs 13Amp, 02 Cooling fans**

Description	Required Specification	Bidder's Compliance	
		Yes/No	If "No" your Offer
Make/Brand	Specify		
Model	Specify		
Country of Origin	Specify		
Country of Manufacture	Specify		
Year of Manufacture	Specify		
Type	5U wall mount		
Size	19"		
Power Cable	Should be provide		
Door	Metal Mesh		
Cable entry	Top and Bottom		
Accessories	Fan plate and Power supply to be supplied by supplier		
Appliances	Durable for DVR, 1KVA UPS weight (10mm Anchor Bolts)		
Brochures	Supplier to provide technical details/ product catalogue of the offered item.		
Warranty 3 year	3 years' comprehensive warranty		
Supplier should be a Manufacture Authorized Agent in Sri Lanka and Proof should be provided	Supplier Should Have Certified Repair Centre and Island wide Branches for immediate Warranty facility		
Vendors Experience	Supplier should have at least 5 Years' Experience by selling this Product		