

Nazrul Road, Kalla More, P.O. – Kalla C. H. Asansol – 713340, Dist.-Paschim Bardhaman, West Bengal Website: www.knu.ac.in

e-Tender Document

For Installation of CCTV Campus Monitoring System (CMS) and Wi-Fi Network

These documents are meant for the exclusive purpose of bidding against this NIT and shall not be transferred, reproduced or otherwise used for purposes other than that for which they are specifically issued

Kazi Nazrul University Nazrul Road, Kalla Bypass More, Asansol, Paschim Bardhaman - 713340





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Ref. No: KNU/EO/NIT-01/CCTV/09/22

Date: 25.04.2022

INVITATION FOR TENDER OFFERS

Kazi Nazrul University, hereinafter, referred to as KNU, invites **online bids in two way bidding system** (Part A: Technical bid and Part B: Financial bid) in the prescribed Tender Document from eligible reputed firms for Supply, Installation and maintenance of CCTV and WI-FI requirements Services, at KNU CAMPUS in Asansol, West Bengal -713340 as CCTV and WI-FI connectivity.

Date and Time Schedule of Tender:

Sl. No	Particulars	Date & Time
1	Date of uploading in the e-tender portal of NIC: http://wbtenders.gov.in	26/04/2022 (09:00hrs)
2	Documents download (Online)	26/04/2022 (09:00hrs.)
3	Pre Bid Meeting (Online)	28/04/2022 (14:30hrs.)
	Bid submission start date (Online)	28/04/2022(16:00hrs.)
4	Bid submission closing date (Online)	13/05/2022 (18:00hrs.)
5	Bid opening date (Online) Technical Bid	16/05/2022(12:00hrs.)
6	Date of uploading list for technically qualified bidder (Online)	To be notified Later
7	Date of opening of Financial Bid	To be notified Later
8	Date of uploading of list of bidders along with the approved Rate	To be notified Later

Tender ID	2022_DHE_378088_1	





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A. TECHNICAL SPECIFICATIONS & SCOPE OF WORK

Site A: KAZI NAZRUL UNIVERSITY, Nazrul Road, Kalla Bypass More, Asansol – 713340

).).		ITEM	BRAND	QTY.	UNIT	Bidder's Compliance
)1	IAP 505 inbuil	t Controller Base Dual Band with Stand Wi-Fi 6	Aruba	14	Nos.	
	Item Description	on :	(Model:505)			
- 1	AP type	Indoor, dual radio, 5GHz and 2.4GHz 802.11ax 2x2 MIMO				
	5GHz radio	Two spatial stream Single User (SU) MIMO for up to 1.2Gbps wireless data rate with 2SS HE80 802.11ax client devices				
	2.4GHz radio	Two spatial stream Single User (SU) MIMO for up to 574Mbps (287 Mbps) wireless data rate with 2SS HE40 (HE20) 802.11ax client devices				
	Max. No.s of					
	associated client	Up to 256 associated client devices per radio				
	devices Maximum					
	number of	16 BSSIDs per radio	1			
	BSSIDs	TO BIBBIBS per radio			(*)	-
	Supported radio technologies	 802.11b: Direct-sequence spread-spectrum (DSSS) • 802.11a/g/n/ac: Orthogonal frequency-division multiplexing (OFDM) • 802.11ax: Orthogonal frequency-division multiple access (OFDMA) with up to 8 resource units 802.11b: 1, 2, 5.5, 11 • 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54 • 				
	Supported data rates (Mbps):	802.11n: 6.5 to 300 (MCS0 to MCS15, HT20 to HT40), 400 with 256-QAM • 802.11ac: 6.5 to 867 (MCS0 to MCS9, NSS = 1 to 2, VHT20 to VHT80), 1,083 with 1024-QAM • 802.11ax (2.4GHz): 3.6 to 574 (MCS0 to MCS11, NSS = 1 to 2, HE20 to HE40) • 802.11ax (5GHz): 3.6 to 1,201 (MCS0 to MCS11, NSS = 1 to 2, HE20 to HE80)	Section 1			
	Transmit power:	Configurable in increments of 0.5 dBm				
	WI-FI ANTENNAS	Two integrated dual-band down tilt omni-directional antennas for 2x2 MIMO with peak antenna gain of 4.9dBi in 2.4GHz and 5.7dBi in 5GHz. Built-in antennas are optimized for horizontal ceiling mounted orientation of the AP. The down tilt angle for maximum gain is roughly 30 degrees. • Combining the patterns of each of the antennas of the MIMO radios, the peak gain of the combined, average pattern is 4.3dBi				
	E0: Ethernet wired network port (RJ-45) DC power interface USB 2.0 host	in 2.4GHz and 5.6dBi in 5GHz. • Auto-sensing link speed (10/100/1000BASE-T) and MDI/MDX • POE-PD: 48Vdc (nominal) 802.3af/at POE (class 3 or 4) • 802.3az Energy Efficient Ethernet (EEE) 12Vdc (nominal, +/- 5%), accepts 2.1mm/5.5mm center-positive circular plug with 9.5mm length	1			
	interface (Type A connector)	Capable of sourcing up to 1A / 5W to an attached device	77			
	Visual indictors (two multi-color LEDs):	For System and Radio status	-3			
	Reset button:	Factory reset, LED mode control (normal/off)				
	Serial console	Proprietary, micro-B USB physical jack				
	interface Security slot	Kensington security slot				
	Mounting details	A mounting bracket has been pre-installed on the back of the AP. This bracket is used to secure the AP to any of the mount kits (sold				
	Warranty	separately); see the 500 Series Ordering Guide for details. One Year (minimum)		-		
02		t On 1930 24G 4 SFP+195W Switch	Arubo	1	Nos.	1
UZ			Aruba	1	INOS.	
	Item Descripti					
		100 - 127 / 200 - 240 VAC				
	External I/O P	orts: 24 RJ-45 10/100/1000 ports, 4 SFP 1/10GbE ports				
	Switching Capa					
		5.23 Mbps, maximum				
		rocessor: ARM Cortex-A9 @ 800 MHz 512 MB SDRAM,				
		5 MB packet buffer	111	IVA		
		: 195 W Class 4	ARUL	10/2		_ =



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	Management Features: Aruba Instant On Portal, Web browser, SNMP Manager Warranty Standard Statement: Limited Lifetime Warranty with 24x7 phone support for 90 days and chat support for the entire warranty duration Weight (imperial): 7.71 lb Weight (metric): 3.50 kg Product Dimensions (imperial): 1.73 x 17.42 x 10.42 in				
1.03	Product Dimensions (metric): 4.39 x 44.25 x 26.47 cm 2 MP Dome Camera Item Description: Image Sensor: 1/2.8" progressive scan CMOS; Min. Illumination Color: 0.01 Lux @(F1.2, AGC ON), 0.028Lux @ (F2.0, AGC ON); Shutter Speed: 1/3 s to 1/100, 000 s; Slow Shutter: Yes; Auto-Iris: No; Day & Night: IR cut filter; Digital Noise Reduction: 3D DNR; Angle Adjustment (Bracket) Pan: 0° to 360°, tilt: 0° to 180°, rotation: 0° to 360°; Focal length: 2.8 mm, 4 mm; Aperture: F2.0; Focus: Fixed; FOV: 2.8 mm, horizontal FOV 114.8°, vertical FOV 62°, diagonal FOV 135.5° 4 mm, horizontal FOV 86°, vertical FOV 46.5°, diagonal FOV 102.5°; IR Range: Up to 30 m; Wavelength: 850 nm; Video Compression Main stream: H.265+/H.265+/H.265+/H.264+/H.264; Sub-stream: H.265/ H.264/ MJPEG; H.264 Type: Main Profile/High Profile/Baseline Profile; H.265 Type: Main Profile; Video Bit Rate: 32 Kbps to 8 Mbps; Max. Resolution: 1920 × 1080; Main Stream Max. Frame Rate: 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240); Sub-stream Max. Frame Rate: 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240); GhHz: 30fps (640 × 480, 640 × 360, 320 × 240); Image Enhancement: BLC, 3D DNR; Image Settings: Saturation, brightness, contrast, sharpness, AGC, white balance adjustable by client software or web browser; Day/Night Switch Auto, scheduled, day, night; Alarm Trigger: Motion detection, video tampering alarm, illegal login; Protocols: TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, RTP, RTSP, RTCP, NTP, IGMP, QoS, UDP; API: ONVIF (PROFILE S), ISAPI; Simultaneous Live View: Up to 6 channels; Web Browser: IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+; Communication Interface: 1 RJ45 10M/100M self-adaptive Ethernet port; Operating Conditions: -30 °C to 60 °C (-22 °F to 140 °F), humidity: 95% or less (non-condensing); Power Supply: 12 VDC ± 25%, 5.5 mm coaxial power plug PoE (802.3af, class 3); Power Consumption and Current: 12 VDC,	Hikvision	10	Nos.	
1.04	0.3 A, Max: 3.5 W PoE: (802.3af, 36 V to 57 V), 0.2 A to 0.1 A, Max: 4.5W; Protection Level: IP67; Certificates: CE/FCC/RoHS Certificates 2 MP Bullet Camera	Hikvision	16	Nos.	/www.moosileoone
2.01	Item Description: Image Sensor: 1/2.8" progressive scan CMOS; Min. Illumination Color: 0.01 Lux @(F1.2, AGC ON), 0.028Lux @ (F2.0, AGC ON); Shutter Speed: 1/3 s to 1/100, 000 s; Slow Shutter: Yes; Auto-Iris: No; Day & Night: IR cut filter; Digital Noise Reduction: 3D DNR; Angle Adjustment (Bracket) Pan: 0° to 360°, tilt: 0° to 180°, rotation: 0° to 360°; Focal length: 2.8 mm, 4 mm; Aperture: F2.0; Focus: Fixed; FOV: 2.8 mm, horizontal FOV 114.8°, vertical FOV 62°, diagonal FOV 135.5° 4 mm, horizontal FOV 86°, vertical FOV 46.5°, diagonal FOV 102.5°; IR Range: Up to 30 m; Wavelength: 850 nm; Video Compression Main stream: H.265+/H.265/H.264+/H.264; Sub-stream: H.265/ H.264/ MJPEG; H.264 Type: Main Profile/High Profile/Baseline Profile; H.265 Type: Main Profile; Video Bit Rate: 32 Kbps to 8 Mbps; Max. Resolution: 1920 × 1080; Main Stream Max. Frame Rate: 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720); Sub-stream Max. Frame Rate: 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240); Image Enhancement: BLC, 3D DNR; Image Settings: Saturation, brightness, contrast, sharpness, AGC, white	TRUL UN		INUS.	



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balance adjustable by client software or web browser; Day/Night Switch Auto, scheduled, day, night; Alarm Trigger : Motion detection, video tampering alarm, illegal login; Protocols : TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, RTP, RTSP, RTCP, NTP, IGMP, QoS, UDP; API : ONVIF (PROFILE S), ISAPI; Simultaneous Live View : Up to 6 channels; Web Browser : IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+; Communication Interface : 1 RJ45 10M/100M self-adaptive Ethernet port; Operating Conditions : -30 °C to 60 °C (-22 °F to 140 °F), humidity: 95% or less (non-condensing); Power Supply : 12 VDC± 25%, 5.5 mm coaxial power plug PoE (802.3af, class 3); Power Consumption and Current : 12 VDC, 0.3 A, Max: 3.5 W PoE: (802.3af, 36 V to 57 V), 0.2 A to 0.1 A, Max: 4.5W; Protection Level : IP67; Certificates : CE/FCC/RoHS Certificates				
1.05 32 Ch NVR Support 4 SATA Item Description: IP video input: 32-channel; Incoming bandwidth: 256 Mbps; Resolutions: 4K (3840 × 2160)/30Hz, 2K (2560× 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz,; VGA output (Resolution): 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz.; Hard disk: 4 SATA interfaces for 4HDDs; Power supply: 12 VDC; Decoding Format: H.265/H.264/H.264+/ MPEG4; Recording Resolution: 8MP/6MP/5MP/4MP/ 3MP/1080p/ UXGA/ 720p/VGA/ 4CIF/DCIF/2CI; Certificates: CE/FCC/ RoHS Certificates	Hikvision	02	Nos.	
1.06 6 TB SV Hard Disk Drive	Seagate	04	Nos.	
1.07 32" LED Monitor LG Make with Mounting Kit,5 m. HDMI Cable	LG	4	Nos.	
1.08 28 Port (10/100/1000) POE smart managed Switch 24 x 10/100/1000BASE-T PoE ports 4 x Gigabit RJ45/SFP Combo ports Advanced L2 switching and security features L2+ Static Routing Optional "standard mode" or "surveillance mode" management user interface 193 W PoE budget		2	Nos.	
1.09 Cat- 6 UTP Patch Cord 1 m.	D- Link	40	Nos.	
1.10 12 U Loaded Network Rack 430 mm.	D-Link	1	Nos.	
1.11 RJ- 45 Connector	D-Link	1	Box	
1.12 4-pair, Cat 6 UTP 23 AWG Cable, Roll of 305 m.	D-Link	04	Box	
1.13 25mm. PVC Pipe (White/Grey)	ISO	400	Mtr.	
1.14 25 mm. PVC Flexible Conduits (White/Grey)	ISO	1	Nos.	
1.15 1 KVA UPS 30 Min Backup	Numeric	1	Nos.	
1.16 20 mm. PVC Pipe with Accessories	ISO	60	Nos.	
1.17 INSTALLATION & CONFIGURATION CHARGES WITH 1 YEAR ONSITE SUPPORT	C Co	rvice		





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Site B: Ananya Girl's Hostel, Kazi Nazrul University, Durgapur Housing Estate, Near Bimal Dasgupta Smriti Bhawan, Durgapur-713216

SI. No.	ITEM	BRAND	QTY.	UNIT	Bidder's Compliance
2.01	CAT -6 CABLE, Roll of 305 m	D-Link	5	Box	
2.02	24 PORT JACK PANEL	D-Link	2	Nos.	
2.03	CAT-6 1 MTR PATCH CORD	D-Link	50	Nos.	
2.04	12 U RACK LOADED	D-Link	1	Nos.	
2.05	25 mm. PVC PIPE/ CASING	ISO	400	Mt.	
2.06	25 mm. PVC Flexible Conduits (White/Grey)	ISO	_1	Nos.	
2.07	20 mm. PVC Pipe with Accessories	ISO	60	Nos.	
2.08	RJ -45 CONNECTOR	D-Link	1	Box	
2.09	28 Port (10/100/1000) POE smart managed Switch 24 x 10/100/1000BASE-T PoE ports 4 x Gigabit RJ45/SFP Combo ports Advanced L2 switching and security features L2+ Static Routing Optional "standard mode" or "surveillance mode" management user interface 193 W PoE budget	D-Link	2	Nos.	
2.10	2MP Full HD Network IR Vandal Dome Camera Specification: As mentioned under 1.03 of Site A	Hikvision	19	Nos.	
2.11	2 Megapixel Fixed Network BULLET Camera Specification: As mentioned under 1.04 of Site A	Hikvision	13	Nos.	
2.12	32 Channel HD NVR Support 4 SATA Specification: As mentioned under 1.05 of Site A	Hikvision	01	Nos.	
2.13	6 TB HDD	Seagate	4	Nos.	
2.14	24" HD Display Monitor With 5 mtr. HDMI Cable Mounting Clamp	LG	1	Nos.	
2.15	1 KVA UPS	Numeric	1	Nos.	
2.16	 Instant On AP22 Dual-Band Access Point Wi-Fi 6 (802.11ax) Wi-Fi Standard Supports 2.4 GHz & 5 GHz (Dual-Band) Supports PoE Power Up to 1774 Mb/s Throughput Mount: Wall, Ceiling 	Aruba	8	Nos.	
2.17	INSTALLATION & CONFIGURATION CHARGES WITH 1 YEAR ONSITE SUPPORT		Service		





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Site C: Boy's Hostel, Kazi Nazrul University, Sukanta Maindan, Rangania Para, S. B. Gorai Road, Asansol – 713303.

SL. NO.	ITEM	BRAND	QTY.	UNIT	Bidder's compliance
3.01	CAT -6 CABLE, Roll of 305 m	D-Link	3	Box	
3.02	24 PORT JACK PANEL	D-Link	1	Nos.	
3.03	CAT-6 1 MTR PATCH CORD	D-Link	25	Nos.	
3.04	12 U RACK LOADED	D-Link	1	Nos.	
3.05	25 mm. PIPE	ISO	220	Mt.	
3.06	25 mm. PVC Flexible Conduits (White/Grey)	ISO	1	Nos.	
3.07	20 mm. PVC Pipe with Accessories	ISO	30	Nos.	
3.08	Rj -45 CONNECTOR	D-Link	1	Box	
3.09	28 Port (10/100/1000) POE smart managed Switch 24 x 10/100/1000BASE-T PoE ports 4 x Gigabit RJ45/SFP Combo ports Advanced L2 switching and security features L2+ Static Routing Optional "standard mode" or "surveillance mode" management user interface 193 W PoE budget	D-Link	1	Nos.	
3.1	2MP Full HD Network IR Vandal Dome Camera Specification: As mentioned under 1.05 of Site A	Hikvision	6	Nos.	
3.11	2 Megapixel Fixed Network BULLET Camera Specification: As mentioned under 1.05 of Site A	Hikvision	12	Nos.	
3.12	32 Channel HD NVR Support 4 SATA Specification: As mentioned under 1.07 of Site A	Hikvision	1	Nos.	
3.13	6 TB HDD	Seagate	2	Nos.	
3.14	24" HD Display Monitor With 5 mtr. HDMI Cable Mounting Clamp	LG	1	Nos.	
3.15	1 KVA UPS	Numeric	1	Nos.	WASHINGTON TO THE PARTY OF THE
3.16	 Instant On AP22 Dual-Band Access Point Wi-Fi 6 (802.11ax) Wi-Fi Standard Supports 2.4 GHz & 5 GHz (Dual-Band) Supports PoE Power Up to 1774 Mb/s Throughput 	Aruba	6	Nos.	
	The state of the s				
3.17	Mount: Wall, Ceiling INSTALLATION & CONFIGURATION CHARGES WITH ONSITE SUPPORT	1 YEAR	5	Service	

Bidders are free to visit (till 28.04.2022) the locations before submitting their bids on written request. For Finalisation of visiting date or pre-bid meeting query or any other query please write to sa@knu.ac.in



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B. INSTRUCTIONS TO TENDERERS

B.1 DEFINITIONS:

In this Contract, the following terms shall be interpreted as indicated below:

1. "Vendor or Contractor or Service Provider" shall mean the successful Bidder to whom the contract has been awarded and with whom the Tendering Authority signs the contract for rendering of goods and services.

2.

- 3. "Bidder" means any firm having proper legal Agreement between the parties with the lead firm taking the full responsibility of managing the project as required in the tender. The word "Bidder" when used in the pre award period shall be synonymous with "Vendor" which shall be used after award of the contract.
- 4. "The Contract Price" means the price payable/receivable to the Successful Bidder under the Contract for the full and proper performance of its contractual obligations;
- 5. "The Goods" means all the material/ services, which the Vendor is required to supply to the Tendering Authority under the Contract;
- 6. "Services" means services ancillary to the supply of the Goods, such as transportation and insurance and any other incidental services and other obligations of the Vendor covered under the Contract;
- 7. "Day" means a working day.
- 8. "Tendering Authority" or "Purchaser" means The Registrar, KNU, Asansol.
- 9. "University" means Kazi Nazrul University.
- 10. "KNU" means Kazi Nazrul University.
- 11. The Tenderer shall bear all costs associated with the preparation and submission of its tender. KNU will in no case be responsible or liable for these costs, regardless of outcome of the Tendering process.
- 12. The KNU is not responsible for non-submission of Tender within the specified date and time due to any reason.
- 13. The KNU shall not be liable for any omission, mistake or error on the part of the Tenderer in submitting the Tender.





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Installation and Commissioning of CCTV & WI-FI Services will be at

Site A: Kazi Nazrul University, Nazrul Road, Kalla Bye Pass More, Asansol-713340,

Site B: Ananya Hostel, Durgapur Housing Estate, Near Bimal Dasgupta Smriti Bhavan, Durgapur-713216

Site C: KNU Boy's Hostel, Sukanta Maidan, Rangania Para, S. B. Gorai Road, Asansol-713303

B.3 NON TRANSFERABLE TENDER

Neither the contract nor any rights granted under the contract may be sold, leased/sublet, assigned, or otherwise transferred, in whole or in part, by the vendor, and any such attempted sale, lease, assignment or otherwise transfer shall be void and of no effect without the advance written consent of the KNU.

B.4 SPECIFICATION OF EQUIPMENTS AND SERVICES

The Technical Specifications of the equipment specified in **scope of work** are the minimum requirements of the Purchaser. The Purchaser reserves the right to place orders at the higher specifications offered by the vendors.

B.5 MAINTENANCE AND SUPPORT

- i. The vendors shall furnish the details of their local centres to support or shall have only trained service personnel to resolve the issues which may report on arise.
- ii. The Vendor should have help 24X7 and Telephonic Support. The same shall be extended to KNU for resolving minor issues and registration of faults / complaints
- iii. Vendor and OEM support strategy should have a 24 X 7 support. Support from vendor (and OEM if applicable) should be on site whenever a faulty part is to be replaced, the replacement should be a new part with the matching OEM part number to the replaced part.
- iv. If the goods are shifted to any other location of KNU during the warranty period, the warranty should continue.

B.6 QUALIFICATION CRITERION

- 1. The bidder may be a Government Organization / PSU / PSE / partnership firm or a limited Company/ Pvt. Company under Indian Laws
- 2. Average Annual turnover of the bidder shall be of Rs. 50 lakh for the last 3 financial Years i.e. 2018 2019, 2019 2020 and 2020 2021.
- 3. The Bidder must have at least work order value of Rs. 10lakh in similar jobs in nature in a single order.
- 4. The Bidder must have experience in doing the same type of jobs in Educational Institute like University/College etc.





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B.7 OFFER VALIDITY PERIOD

Tender should remain valid for 180 days

B.8 COMPLETENESS OF TENDER OFFER

The Tenderer is expected to examine all instructions, forms, terms, conditions and specifications in the Tender document. Failure to furnish all information required by the Tender document or submission of a tender offer not substantially responsive in every respect to the tender documents will be at the Tenderer's risk and may result in rejection of its tender offer. The tender offer is liable to be rejected outright without any intimation to the Tenderer if complete information as called for in the tender document is not given therein, or if particulars asked for in the Forms / Performa in the tender are not fully furnished.

B.9 DOCUMENTS COMPRISING THE TENDER

The tender shall comprise of Part—A Technical Bid and Part-B Price/ Financial Bid and all its Annexures and all supporting documents and attachments. The Bids complete in all respect including all attachments, annexures and supporting documents as prescribed in this Tender Document shall be uploaded by the authorized signatory as stipulated in the Tender. Hard copy of the tender documents will not be accepted. The filled and signed attachments and supporting documents are to be scanned and uploaded at the space/packet provided in the https://wbtenders.gov.in portal. The original Attachments from the successful tenderer will be collected at the time of awarding of the contract.

B.10 SUBMISSION OF BIDS

Tenders to be submitted online in two parts, viz., Part—A Technical bid and Part-B Price/Financial bid. Tenderer must submit their Bids well within the stipulated date & time and no opportunity shall be given to Tenderer to withdraw any offer at any stage after the submission of the Bids. A Tenderer can submit only one proposal. If a Tenderer submits more than one proposal, all such proposals shall be rejected summarily. The Tenderer shall not incorporate any condition in the Bids as conditional Bids which are not submitted strictly in accordance with the Bid terms shall be rejected. All supporting documents except tender document have to be scanned and uploaded in Technical Bid Part-A. Price/Financial Bid as per Part-B has to be scanned, encrypted and uploaded at the requisite places in the e-Procurement system. All the Annexures of the Tender document duly signed on each page by the Tenderer should be scanned and uploaded in the e-Procurement Portal. The Price/Financial bid format (Part-B) is provided in a spread sheet file, which is to be downloaded and the rates offered should be entered in the allotted space and uploaded after filling the relevant columns (such as rates &particulars of the bidder). The Price Bid/BOQ template shall not be modified/replaced by the Tenderer; else the Tender submitted is liable to be rejected.

The Technical Bid shall not include any information sought in the Price/Financial Bid. All other tender documents except Price/Financial Bid shall be uploaded with Part –A Technical Bid.



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B.11 The Technical Bid shall include the following:

- (i) All supporting documents except tender document have to be scanned and uploaded in Technical Bid.
- (ii) All the Annexures of the Tender document duly signed on each page by the Tenderer should be scanned and uploaded in the e-Procurement Portal.
- (iii) Self-attested Scanned copies of Authority of Authorized Signatory/ Power of Attorney/ Partnership deed/ Memorandum of Association/Articles of Association/ Authority of BOD of a Company, Experience certificates, PAN Card & GST Registration Certificate etc. as the case may be and as stipulated in the Tender document.
- (iv) The Digital Signature Certificate (DSC) holder signing the tender, or any documents forming part of the tender, on behalf of another, or on behalf of a firm shall be responsible to submit a proper Power of Attorney duly executed on a non-judicial stamp paper of appropriate value attested by a Notary in his favour, stating that he has authority to bind such other person, or the firm, as the case may be, in all matters, pertaining to the Contract.
- (v) Tenders which do not comply with these instructions shall be summarily rejected.
- (vi) The Bidder must have upload at least one work order value of Rs. 10 lakh in similar jobs in nature in a single order in the Technical Bids.
- (vii) The Bidder must have upload all the experience in doing the same type of jobs in Educational Institute like University/College etc. in the Technical Bids.
- (viii) Service providers are requested to read the instructions contained therein carefully & meticulously for submission of tenders through e-procure portal.
- (ix) Any attempt by Tenderer to change the format of any appendix/annexure of tender document while uploading or any attempt to tinker with the software of the portal will render his bid document liable for cancellation and his subsequent blacklisting.
- (x) Tender document not accompanied by all the Schedules/Annexures intact and duly filled in and signed shall be rejected.
- (xi) The Bidders must upload Average Annual turnover of the bidder shall be of Rs. 50 lakh for the last 3 financial Years i.e. 2018 2019, 2019–2020 and 2020 2021 documents in the Technical Bids.
- (xii) The Technical offer should include all items asked in **Technical Specification & Scope of work Page No 03 to 07.**
- (xiii) The Technical bid should be completed in all respects with all compliances filled in 'Bidder's Compliance' including "Accepted /Deviations" under the Technical Specification & Scope of work Page No 03 to 07 and digitally signed.



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(xiv) The Bidder should be submitting the 'Compliances given under the Scope of Work (Page 3 to 7) on the official letter head and signed by the competent authority of the Firm or on behalf of the vendor. The Technical Bid may be rejected on the ground of non-submission of the Bidder's Compliance.

(xv) Filling up of the Technical Detail Form using terms such as "ok", "acceptable", "noted", "as given in brochure / manual" is not acceptable. The Purchaser may treat offers not adhering to these guidelines as unacceptable.

B.12 OPENING AND EVALUATION OF TECHNICAL BIDS

The Technical Bids will be opened online at Kazi Nazrul University, Asansol as per schedule indicated in the Tender and evaluated as per the Tender terms & Conditions and Instructions. To assist in the scrutiny, evaluation and comparison of offer, the Purchaser may, at its discretion, ask some or all Tenderers for technical clarification of their offer. The request for such clarification and the response shall be in writing. To speed up the response process, the Purchaser, at its discretion, may ask for any technical clarification to be submitted by means of facsimile by the Tenderer. In such cases, original copy of the document describing the technical clarification must be sent to the Purchaser by means of courier / in person. The Purchaser will short list technically qualifying Tenderers, and Commercial offers of only these Tenderers will be opened.

B.13 The Price/Financial Bid shall ensure the following:

- (i) Commercial Offer as per Annexure A shall be submitted in Hard copy format also along with the BOQ (in excel).
- (ii) It should give all relevant price information and should not contradict the Technical Offer in any manner.
- (iii) The prices quoted in the commercial bid should be without any conditions.
- (iv) The bidder should submit an undertaking that there are no deviations to the specifications mentioned in the tender either with the technical or commercial bids submitted.
- (v) The price schedule must be filled in completely, without any error, erasures or alterations.
- (vi) Tenderer should quote only all-inclusive Price inclusive of Supply, Installation, commissioning, Transportation, Forwarding, Insurance, Training, Warranty etc. Taxes, GST etc. will be additional as applicable at the time of billing.
- (vii) The commercial offer shall be on a fixed price basis. No price variation should be asked for relating to increase in dollar price variation. Taxes will be additional as applicable at the time of billing.



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- (viii) Price quotation accompanied by vague and conditional expression such as "subject to immediate acceptance", "subject to confirmation before sales", etc. will be treated as being at variance and shall be liable for rejection.
- (ix) Rates/Prices quoted will be applicable & firm for the entire period of Contract. All prices to be quoted in **Indian Rupees**, exclusive of all applicable taxes and GST. Taxes and GST will be additional as applicable at the time of billing.
- (x) It is the responsibility of the Vendor to clearly identify all costs associated with any item or series of items in this RFP. The Vendor must include and complete all parts of the cost Proposal in a clear and accurate manner. Omissions, errors, misrepresentations, or inadequate details in the Vendor's cost proposal will be considered as valid ground for rejection of the Vendor's proposal. Costs that are not clearly identified will be borne by the Vendor.

B.14 OPENING AND EVALUATION OF PRICE/FINANCIAL BIDS

Price/Financial Bids of only technically qualified Tenderer (s) will be opened online. Price/Financial Bids will be opened after determining whether the Price Bids are complete and without errors, shall determine the lowest Price/Financial Bid (L-1). After opening of the commercial offers of the short-listed Tenderers, if there is a discrepancy between words and figures, the amount indicated in words will prevail.

B.15 NEGOTIATION

Kazi Nazrul University shall not enter into any negotiation with any Tenderer, including Tenderer who has quoted L1 Rates.

B.16 AUTHORISED SIGNATORY

The selected bidder shall indicate the authorized signatories who can discuss and correspond with Kazi Nazrul University, with regard to the obligations under the contract. The selected bidder shall submit at the time of signing the contract, a certified copy of the extract of the resolution of their Board, authenticated by Board Secretary, authorizing an official or officials of the bidder or a Power of Attorney copy, to discuss, sign agreements / contracts with Kazi Nazrul University. The bidder shall furnish proof of signature identification for above purposes as required by KNU.

B.17 ONLY ONE SUBMISSION PERMITTED

Only one submission of response to tender by each Vendor will be permitted. All submissions, including any Banking documents, will become the property of KNU. Recipients shall be deemed to license, and grant all rights to, KNU to reproduce the whole or any portion of their submission for the purpose of evaluation, to disclose the contents of the submission to other Recipients who have registered a submission and to disclose and/or use the contents of the submission as the basis for any resulting process, notwithstanding any copyright or other intellectual property right that may subsist in the submission or Banking documents.

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C) TERMS AND CONDITIONS OF CONTRACT

1. PAYMENT TERMS

- Payment will be made by the Competent Authority of KNU after successful Installation, Testing, Commissioning of the System and Acceptance by the Tendering Authority.
- Payment of taxes, GST and other applicable Government levies will be made according to the rules and regulations as existing on the date of the payment.
 - Vendor shall have to submit the Bill in triplicate to the Finance Office.

2. WARRANTY AND ANNUAL MAINTENANCE CONTRACT(AMC)

 CCTV & WI-FI Network with related equipment and communication links installed by the vendor shall have a comprehensive onsite warranty for the entire period of the Service Contract after the successful commissioning and acceptance.

3. TIME FRAME

• Project is to be completed within 30 days in all respects i.e. deliveries and all kind of installations, testing and commissioning.

6. CANCELLATION OF CONTRACT AND COMPENSATION (EXIT CLAUSE) The KNU reserves the right to cancel the contract of the selected bidder and recover expenditure incurred by the KNU on the following circumstances:

- i. The selected bidder commits a breach of any of the terms and conditions of the bid/contract.
- ii. The progress regarding execution of the contract, made by the selected bidder is found to be unsatisfactory by the KNU.
- iii. The KNU reserves the right to recover any dues payable by the selected bidder from any amount outstanding to the credit of the selected bidder, including the pending bills and/or invoking Bank Guarantee, if any, under this contract or any other contract/order.



Sd/-Estate Officer(Addl. Charge)



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ANNEXURES TO THE TENDERS:

The tender comprises of following schedules / Annexure

Annexure-A	Price Schedule
Annexure-B	Tender Offer Form
Annexure-C	Self-Declaration (Notarized Affidavit)
Annexure-D	Details of Bidder







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ANNEXURE-A PRICE SCHDULE

(To be given on the official letter head of the company)

Tender Reference:

Last date and time for submission of Tender:

The Estate Officer (Addl. Charge), KAZI NAZRUL UNIVERSITY Nazrul Road, Kalla Bypass More, P.O.- Kalla (C.H) District – Paschim Bardhaman West Bengal – 713340

SUBJECT: Tender Document for Participation in the Tender Process for Supply, Installation and Maintenance of CCTV and WI-FI Network requirements at Kazi Nazrul University Campus Asansol-713340, & KNU Boys' Hostel, Asansol-713303 & KNU Girl's hostel Durgapur-713216.

That we are sole owner/authorized agents/ of	
•••••	

That we/the undersigned agency is equipped with adequate hardware/software and other facilities required for providing services and our establishment is open for inspection by the representatives of KNU

We hereby offer to provide Services at the prices and rates mentioned in the PRICE SCHEDULE

We do hereby undertake, that,

- In the event of acceptance of our bid, the Services shall be provided as stipulated in the work order and the tender terms and conditions to the Bid and that we shall perform the entire incidental services.
- The prices quoted are inclusive of all charges inclusive of traveling, hardware/software/manpower etc. for providing the desired services.
- We agree to abide by our offer a period of 180 days from the date fixed for opening of the tenders and what we shall remain bound by a communication within that time.
- We have carefully read and understood the terms and conditions of the tender and the conditions of the contract applicable to the tender and we do hereby undertake to provide the services as per these terms and condition.

We do hereby undertake, that, until a formal contract is prepared and executed, this bid, together with your written acceptance thereof, the tender document and placement of letter of intent awarding the contract, shall constitute a binding contract between us.

Continued..





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SI. No.	Item Description	Qty.	Units	BASIC RATE Rs. P	TOTAL AMOUNT Without Taxes	TOTAL AMOUNT With Taxes
1	2	4	5	13	53	54
1	Extension of IP Based CCTV Monitoring System (C	CMS) and	WI-FI SYS	TEM (KNU Ca	mpus)	
1.01	IAP 505 inbuilt Controller Base Dual Band with Stand Wi-Fi 6	14.000	Nos			
1.02	Aruba Instant On 1930 24G 4 SFP+195W Switch	1.000	Nos			
1.03	2 MP Dome Camera	10.000	Nos			
1.04	2 MP Bullet Camera	16.000	Nos			
1.05	32 Ch NVR Support 4 SATA	2.000	Nos			
1.06	6 TB SV Hard Disk Drive	4.000	Nos			
1.07	32" LED Commercial Display with 3 Years onsite warranty with Kit,5 m. HDMI Cable (LG)	4.000	Nos			
1.08	28 Port (10/100/1000) POE smart managed Switch	2.000	Nos			
1.09	Cat- 6 UTP Patch Cord 1 m.	40.000	Nos			
1.1	12 U Loaded Network Rack 430 mm.	1.000	Nos			
1.11	RJ- 45 Connector	1.000	Box			
1.12	4-pair, Cat 6 UTP 23 AWG Cable, Roll of 305 m.	4.000	Box			
1.13	25mm. PVC Pipe (White/Grey)	400.000	Mtr			
1.14	25 mm. PVC Flexible Conduits (White/Grey)	1.000	Nos			
1.15	1 KVA UPS 30 Min Backup	1.000	Nos			
1.16	20 mm. PVC Pipe with Accessories	60.000	Nos	11 (25)		
1.17	INSTALLATION & CONFIGURATION CHARGES WITH 1 YEAR ONSITE SUPPORT	1.000	Yr			
2	Installation of IPv4 based Campus Monitoring Syste	em (CMS)	and WI_FI	connectivity (C	lirle! Hostel)	
2.01	CAT -6 CABLE, Roll of 305 m	5.000	Box	connectivity (o	illis Hoster)	
2.02	24 PORT JACK PANEL	2.000	Nos			
2.03	CAT-6 1 MTR PATCH CORD	50.000	Nos		1	
2.04	12 U RACK LOADED	1.000	Nos			
2.05	25 mm. PVC PIPE	400.000	Mtr			2 272
2.06	25 mm. PVC Flexible Conduits (White/Grey)	1.000	Nos			
2.07	20 mm. PVC Pipe with Accessories	60.000	Nos		1	
2.08	RJ -45 CONNECTOR	1.000	Box		-	
2.09	28 Port (10/100/1000) POE smart managed Switch	2.000	Nos			
2.1	2MP Full HD Network IR Vandal Dome Camera	19.000				
2.11	2 Megapixel Fixed Network BULLET Camera	13.000	Nos			
2.12	32 Channel HD NVR Support 4 SATA	4.000	Nos			
2.13	6 TB HDD					
2.14	32" LED Commercial Display with 3 Years onsite	2.000 1.000	Nos Nos			
	warranty with Kit,5 m. HDMI Cable (LG)	1.000	INUS			
2.15	1 KVA UPS	1.000	Nos	- Andrews		
2.16	Instant On AP22 Dual-Band Access Point	8.000	Nos			
2.17	INSTALLATION & CONFIGURATION	1.000	Yr	- Transpire - V		
	CHARGES WITH 1 YEAR ONSITE SUPPORT	1.000	11			
3	Installation of IPv4 based CCTV Campus Monitoria	ng System	(CMS) and	WI_FI System	(Roys' Hostel)	
3.01	CAT -6 CABLE, Roll of 305 m	3.000	Box	VI-11 Dystell	Doys Hostel)	-
3.02	24 PORT JACK PANEL	1.000	Nos	2004.09		
3.03	CAT-6 1 MTR PATCH CORD	25.000	Nos			
3.04	12 U RACK LOADED	1.000				
3.05	25 mm. PIPE	220.000	Mtr			
3.03						



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3.09	28 Port (10/100/1000) POE smart managed Switch 2MP Full HD Network IR Vandal Dome Camera	1.000 6.000	Nos Nos		
3.11	2 Megapixel Fixed Network BULLET Camera	12.000	Nos		
3.12	32 Channel HD NVR Support 4 SATA	1.000	Nos		
3.13	6 TB HDD	2.000	Nos		
3.14	32" LED Commercial Display with 3 Years onsite warranty with Kit,5 m. HDMI Cable (LG)	1.000	Nos		
3.15	1 KVA UPS	1.000	Nos		
3.16	Instant On AP22 Dual-Band Access Point	6.000	Nos		
3.17	INSTALLATION & CONFIGURATION CHARGES WITH 1 YEAR ONSITE SUPPORT	1.000	Yr		
Total (in words)					

The above mentioned rate are valid for 180 days from the last date of submission of the Tender.

Authorised Signatory

With Seal





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ANNEXTURE-B

TENDER OFFER FORM

(To be given on the official letter head of the company)

T 1	D 0	
Lender	Reference	10.
I CHUCI	1 CICICIIC	I VVaa

Date:

To
The Estate Officer (Addl. Charge),
KAZI NAZRUL UNIVERSITY,
Nazrul Road, Kalla Bypass More,
P.O.- Kalla(C.H) Asansol
District – Paschim Bardhaman, PIN – 713340,
West Bengal

SUBJECT: Tender Document for Supply, Installation and Maintenance of CCTV & WI-FI Network at KNU as Specified in the Schedules

Sir,

Having examined the tender documents including all Annexure the receipt of which is hereby duly acknowledged, I/we, the undersigned, offer to work as Vendor as mentioned in the Scope of the work as required by KNU in Tender document.

I/We declare that we are an established service Provider in the area of IT service Provider under the name and style of

We declare that we are equipped with adequate machinery/technology for providing the services as per the parameters laid down in the Tender Document and we are prepared for live demonstration of our capability and preparedness before the representatives of the KNU office.

I/ We undertake that the Prices are in conformity with the specifications prescribed. The quote is inclusive of all costs likely to be incurred for

I/ we undertake, in the event of acceptance of our bid, the services shall be provided as stipulated in the schedule to the Bid Document and that we shall perform all the incidental services.

I / We agree to abide by this Bid for the period of 180 days after the date fixed for Bid opening and it shall remain binding upon us and may be accepted at any time before the expiry of that period.

Until a formal contract is prepared and executed, this Bid offers, together with your written acceptance thereof and your notification of award shall constitute a binding contract between us.





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We understand that you are not bound to accept the lowest bid or any bid. We agree to the terms and conditions mentioned in the Tender Document.

Signature







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ANNEXTURE-C

SELF-DECLARATION

(To be given on the official letter head of the company)

Ref	Date:-
To, The Estate Officer (Addl. Charge), KAZI NAZRUL UNIVERSITY ASANSOL, PASCHIM BARDHAMAN, WEST BENGAL – 713340	
In response to the tender No	our Agency clared ineligible for
I/ We M/s (Name of the Company) are not blacklisted in any Department of Go or any State Government.	vernment of India
I/We hereby declare that there are no pending cases against M/s	
(Name & Address of Bidder) with any Department of Government of India or as Government or any other court of law. I/We hereby declare that Bidders compand Director/Owner of the company have not been declared by any Court or Competinsolvent or involved in any fraudulent mean (Economical & Criminal) as on the Notification of Tender.	ny or tent Authorities
N. Ole Pills	
Name of the Bidder: - Signature: -	
Seal of the Organization:-	





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ANNEXTURE-D

DETAILS OF BIDDER

(To be given on the official letter head of the Company)

Please ensure that your response clearly answers all the quest or documentation to support your response, make sure that the relevant question.	
Profile of the Company/Firm:-	
Name of the Company:	
Address of the Company / Firm	
with Telephone Nos.,	
Fax,	
e- mail	
Website	
Date of Incorporation:	
Offices situated at different locations:	
Turn over for last three years (Audited Annual Accounts and years to be submitted):	d Annual Reports of three accounting
G S T Registration Number :	
PAN No.:	7/
Details of Manpower:-	0
Technical Personnel available:	
Number of Operators:	
Number of Supervisors:	
Number of Managers:	
	Signature of the Authorised person
Place:	Name of the Signatory person
Date:	
Company Seal:	ALRUL UNIL

