KBNU
KHAJA BANDANAWAZ
UNIVERSITY
EDUCATING HUMANITY

ಖಾಜಾ ಬಂದಾನವಾಝ್ ವಿಶ್ವವಿದ್ಯಾಲಯ
خواجه بنده نواز یونیورسٹی

TENDER NOTIFICATION

KBNU/ADMIN/CAMPUS WIFI/2024-25   *Dated: 21.03.25*

Sealed **Quotations** are invited from reputed Manufacturers/Authorized Dealers for **"Supply and Installation"** of **"Active & Passive Components"** towards the Implementation of **Wifi** in the entire campus of Khaja Bandanawaz University. The detailed **Bill of Quantities (BOQ)** can be downloaded from Khaja Bandanawaz University website www.kbn.university. Tender documents should be submitted in sealed envelope to: The Registrar, KBN University at below mentioned address on or **before 5th April 2025, 05:30 pm.**

Sd/-
Registrar

Khaja Bandanawaz University Admin Block, University Campus, Rauza-i Buzurg, KALABURAGI 585-104, KARNATAKA STATE.

www.kbn.university   registrar@kbn.university

S. No.	Item Name	UoM	Network Type	Quantity
1	Indoor Access Point	Nos	Access	405
2	Outdoor Access point	Nos	Access	6
3	PoE Switch with SFP ports (8 Port)	Nos	Access	11
4	PoE Switch with SFP ports (24 Port)	Nos	Access	19
5	1000/ 600 VA OFFLINE UPS	Nos	Access	24
6	WLC (Virtual)	Nos	Management	1
7	Firewall	Nos	Security	1
8	L3 Switch/ Router	Nos	Core	1
9	Distribution Switch	Nos	Core	1
10	Access Gateway	Nos	Core	1
11	Rack Mount Server	Nos	Management	1
12	NMS (Virtual)	Nos	Management	1
	Total ::			

Indoor and Outdoor WAP

Sl. No.	Features / Specifications
1	Dual-radio Wi-Fi 6
2	5 GHz (2x2), 2.4 GHz (2x2)
3	1 GbE RJ45 interface
4	128 concurrent clients per radio, 256 per AP
5	Controllerless standalone, cloud-managed or Controller managed
Note-1:	Preferably Cambium make

Note-2:	The wireless controller provided by the OEM is available in both free and paid versions, offered in cloud-based and on-premises deployments.

8 Port PoE Switch

Sl. No.	Features / Specifications
1	8 x 10/100/1000BASE-T PoE ports
2	2 x Gigabit SFP ports
3	65W PoE budget
Note:	Preferably Dlink make

24 Port PoE Switch

Sl. No.	Features / Specifications
1	24 x 10/100/1000BASE-T PoE ports
2	4 x Gigabit RJ45/SFP Combo ports
3	190W PoE budget
Note:	Preferably Dlink make

Distribution Switch

Sl. No.	Features / Specifications
1	24 x SFP
2	2 x 10GBASE-T
3	4 x 10G SFP+
4	Switching capacity: Min. 150 Gbps
Note:	Preferably Dlink make

UPS

Sl. No.	Features / Specifications
1	Capacity : 600VA / 1000VA
2	Battery : 12V, 7AH / 12V, 7AH x2
Note:	Any reputed make

Firewall

Sl. No.	Make / Model
1	FortiGate 200F

L3 Switch / Router

Sl. No.	Features / Specifications
1	Switching Capacity: Min. 96 Gbps
2	Throughput: Min. 72 mpps
3	Height: 1RU
4	10 Gigabit Ethernet Ports: Min. 02
5	Uplink Optic Type: 4 Small Form-Factor Pluggable (SFP) optics
6	Active VLANs: 4096
Note:	Preferably Cisco make

Access Gateway

Sl. No.	Features / Specifications
1	8x Gigabit Ethernet
2	Min. 2xSFP+ cages
3	Up to 28Gbit/s throughput
4	41.5mpps fastpath
5	Min. 2 x Gigabit SFP ports
6	Support for both SFP (1.25G) and SFP+ (10G) modules
Note:	MikroTik make

Rack Mount Server

Sl. No.	Features / Specifications
1	Intel Xeon Silver Processor
2	64GB RAM
3	Min. 2 TB Disk
4	4x1Gbe NIC
5	Form Factor: 2U rack
Note:	Preferably HP / Dell make

Network Monitoring System

Sl. No.	Make
1	Zabbix

Note:	It is an enterprise-class, open-source monitoring solution that makes network and application monitoring simple.

S.No.	Product Description	Unit	Quantity as per DPR
1	25mm Casing Caping	Nos.	10125
2	19" 12U Wall Mount rack with necessary accessories	Nos.	24
3	19" 42 U Floor Mount rack with necessary accessories	Nos.	1
4	CAT6 UTP Cable Box (305 Mtrs roll)	Box	93
5	Single port Cat 6 UTP Information Outlet with British/American style Face plate	Nos.	405
6	Surface mount box	Nos.	405
7	I/O Jack	Nos.	405
7	24 Port, Cat 6 UTP Jack Panel (Loaded)	Nos.	30
8	1U Horizontal cable manger	Nos.	30
9	1 Meter Dual Ended Mounting UTP Cat6 patch Cord	Nos.	810
10	Cable Tie 100 mm size (Pkt of 100)	Nos.	30
11	Velcro Tie 15 Mtr Roll	Nos.	10
12	Labels for Jackpanel/ face Plate/Patch Cords - set of 100	Nos.	10
13	Rack mounting hardware/kit for mounting active and passive component in rack(Pack of 10)	Nos.	20
14	12 core outdoor armored cable – SM (OS2)	Mtrs	3590
15	12 Port Rack Mount LIU loaded with Splice Tray and Cable spool	Nos.	20
16	Pigtail LC SM (OS2) -1.5 Mtr	Nos.	528
17	LC to LC Fiber Duplex patch cord (OS2),3 Mtrs	Nos.	60
18	Joint closure 12 Fiber	Nos.	5
19	SFP Transceiver Module 1G	No's	60
	Total ::		**16661**