



DHA SUFFA UNIVERSITY

DG-78, Off Khayaban-e-Tufail, Phase –VII (Extension), DHA, Karachi – 75500

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Tender Document (DSF/CS/02/2018-19)

Procurement of IT Equipment and Network Infrastructure for Final Year Project (FYP) Lab

For

Department of Computer Science

**DHA SUFFA UNIVERSITY,
(Sponsored / Managed by DHA SUFFA FOUNDATION)**

FINANCIAL PROPOSAL

Date of Issue	:	July 15, 2019
Last date of Submission	:	July 30, 2019 by 02:00 pm <i>(Bidders may be called for a pre-bid meeting)</i>
Financial Proposal Opening	:	Aug 07, 2019 at 02:30 pm

Signature & Stamp of
Vendor / Firm / Supplier

1. Instructions / information for Responding Companies / Firms / Vendors

a) While preparing the Financial Proposal, bidders are expected to take into account the requirements and conditions outlined in the Technical Proposal. The Financial Proposal should follow Standard Form (Annexure). It must include all costs associated with the project such as transportation, cartage, services, equipment & accessories and required training.

b) Bid Security

A bid security, in the shape of a Pay Order / Bank Draft in the name of “**DHA SUFFA FOUNDATION**” equivalent to **2.5%** of the total cost of the bid (inclusive of all applicable taxes), should be submitted along with the proposal in a separate sealed envelope, clearly marked as **Bid Security**.

c) Performance Security

Successful bidder shall submit 10% Performance Security of the total cost of the bid offered, in shape of a Pay Order / Bank Draft in the name of “**DHA SUFFA FOUNDATION**” which shall be released according to the following schedule:

- **02%** will be released after successful completion of work which includes supply, installation and commissioning and required trainings etc.
- **08%** will be released after the expiration of the warranty period.

d) Validity of the proposal

Financial Proposal and prices shall remain valid for a period of 90 days from the closing date of the submission of the proposal. However, the responding organization is encouraged to state a longer period of validity for the proposal.

e) Currency

All currency in the proposal shall be quoted in Pakistan Rupees (PKR).

f) Bidders must quote their price inclusive of all applicable taxes.

g) Separate envelopes of Technical Proposal, Financial Proposal & Bid Security should be further enclosed in another envelope & seal of Company should be affixed on opening flaps.

Signature & Stamp of
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- h) Any request for clarification regarding this tender document should be submitted in writing to:

Admin & Security Officer
DHA SUFFA UNIVERSITY,
DG-78, Off Khayaban-e-Tufail,
Phase VII (Ext),
DHA, Karachi.

PABX : 021-35244853-54 Ext 123
Direct : 021-35244860
Fax : 021-35244856

Or

Email: mahmood.hasan@dsu.edu.pk

i) Terms & Conditions

Terms & conditions are as provided in the Technical Proposal.

Signature & Stamp of
Vendor / Firm / Supplier

Financial Proposal**1 Supply and Installation of Passive Network Infrastructure for Final Year Project Lab (FYP) at First Floor South Wing**

S. No.	Description	Quantity	Amount (PKR)	
			Amount Per Unit	Total Amount
1.1 Ethernet				
1.	Cat6 Cable Roll 4 Pair (305 Meter Box) Make: 3M Volition \ Orange or equivalent	03 Nos		
2.	Unloaded Patch Panel 48 Port Make: 3M Volition \ Orange or equivalent	01 No		
3.	Cable Manager 24 Port Make: 3M Volition \ Orange or equivalent	01 No		
4.	Cat6 UTP Jacks Make: 3M Volition \ Orange or equivalent	60 Nos		
5.	Single Shutter Face Plates Make: 3M Volition \ Orange or equivalent	60 Nos		
6.	Cat6 UTP Patch Cable 1 meter Make: 3M Volition \ Orange or equivalent	60 Nos		
7.	Cat6 UTP Patch Cable 3 meter Make: 3M Volition \ Orange or equivalent	60 Nos		
8.	6 Port Power Distribution Unit for Network Rack	01 No		
9.	2 Core 2.5mm power cable for PDU supply	01 No		
1.2 Fiber Optic				
1.	6 Core Multi Mode Indoor Fiber Optic Cable	60 meter		
2.	6 Port Rack Mount Loaded ODF (SC Type)	01 No		
3.	3 Meter Fiber Patch Cords, multi-mode SC to LC (ODF to Switches)	02 Nos		
1.3 Installation and Interconnection				
1.	Complete Installation of Network Racks, Cables Laying and Termination in existing concealed conduits Tagging & Fluke Testing including complete installation material & accessories (Back Box, Connectors, PVC Piping concealed). Fiber Splicing & OTDR Testing	01 Job		

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Total Amount	
Total Amount In Words: _____	
Names of Brand(s) Offered: _____	

2 Procurement of Active Network Infrastructure Equipment for Final Year Project (FYP) Lab

S. No.	Description	Quantity	Amount (PKR)	
			Amount Per Unit	Total Amount
2.1 Data Network Distribution Switches				
1.	Huawei S5720-52X-LI-AC or Equivalent 48 Ethernet 10/100/1,000 Base-T ports, 4 x 10 Gig SFP+ ports Two models: AC model and DC model, supporting RPS (redundant power supply) Forwarding performance: 144 Mbps Switching capacity: 336 Gbit/s	01 No		
2.	Huawei S5720-28X-LI-AC or Equivalent 24 Ethernet 10/100/1,000 Base-T ports, 4 x 10 Gig SFP+ ports Two models: AC model and DC model, supporting RPS (redundant power supply) Forwarding performance: 108 Mbps Switching capacity: 336 Gbit/s	01 No		
2.2 Wifi Access Points				
1.	Cambium CnPilot E410 (Motorola) or Equivalent 802.11ac Wave 2 beam supported Dual Band access point with software based controller 2 years standard warranty	01 No		
2.	PoE Injector	01 No		
Total Amount				

Signature & Stamp of
Vendor / Firm / Supplier

Total Amount In Words: _____

Names of Brand(s) Offered: _____

3. Procurement of Computing Equipment and Accessories for Final Year Project (FYP) Lab

S. No.	Description	Quantity	Amount (PKR)	
			Amount Per Unit	Total Amount
3.1 Professional Workstation PC's for Final Year Project (FYP) Lab				
2.	<p>Brand: ASUS Desktop 72700-322561-2060 or Equivalent</p> <p>Processor: AMD 2nd Gen. Ryzen 7 2700,8C/16T,3.20Ghz Turbo upto 4.10Ghz,L3 Cache-16MB</p> <p>Motherboard: ROG STRIX Series B450 AMD AM4 DDR4 3200MHz AURA SYNC RGB ATX</p> <p>Memory: 32GB DDR4-2666 MHz U-DIMM C16 1.2V (2x16GB)</p> <p>Graphic Card: DUAL Series, NVIDIA® GeForce RTX™ 2060, PCI Express 3.0 x16, GDDR6 6GB, 192-bit, CC 1920, Patented Wing-blade Fans, 0dB Technology, GPU Tweak II, wtfast, Quantumcloud</p> <p>SSD for OS: M.2 2280, 256 GB, PCIe Gen 3.0 x4, NVMe 1.3, Controller: Realtek, NAND Flash: 2nd Gen. 3D TLC, Sequential: Read: 2100 MB/s, Write: 1500 MB/s</p> <p>HDD: 3.5", 1TB, 64MB Cache, SATA III, 6Gb/s, 7200 RPM, Transfer Rate: 210MB/s</p> <p>LAN Card: Built-in I211-AT, 1 x Gigabit LAN Controller(s)</p> <p>Audio: Built-in S1220A 8-Channel High Definition Audio CODEC with Dual OP Amplifiers</p> <p>Video Ports: Built-in: 1 x DisplayPort, 1 x HDMI Discrete: 1 x HDMI 2.0b, 3 x DisplayPort 1.4, 1 x USB Type-C</p>	20 Nos		

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	<p>Rear I/O Ports: 1 x PS/2 combo, 2 x USB 3.1 Gen 2 Type-A, 4 x USB 3.1 Gen 1, 2 x USB 2.0, 1 x Optical S/PDIF Out, 5 x Audio jack(s)</p> <p>CPU Cooler: Low-Profile 120mm Black Aluminum Heat Exchanger Radiator and Low-Profile Pump with Low-Noise 120mm Fan</p> <p>Chassis: Compact Mid-Tower ATX Case with Stunning Tempered Glass Window – Black</p> <p>Drive Bays: 2 x 3.5", 3 x 2.5"</p> <p>Front I/O Ports: 2 x USB 3.0, 1 x Headphone, 1 x Microphone</p> <p>Power Supply: 650 Watt, 80 PLUS White Certified, Intel ATX 12V 2.31 & EPS 12V 2.92, Active PFC, 120mm PWM Fan</p> <p>Display: ViewSonic VP Series, Wide Screen 21.5", WLED/TN, 1920x1080, Full HD 1080P</p> <p>Warranty: 3 Years Limited Hardware Warranty (CPU,MB,RAM,VGA,LED) 1 Year Limited Hardware Warranty (SSD,HDD,COOLER,PSU,KB,M)</p>			
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3.2 Apple iMac's for Final Year Project (FYP) Lab

2.	<p>Brand: Apple</p> <p>Model: iMac 21.5-Inch 4K Display (CTO)</p> <p>Display: 21.5-Inch 4K Display with Retina 4K 4096-by-2304</p> <p>Processor: Turbo Boost up to 4.2GHz</p> <p>Graphic Card: Radeon Pro 560 with 4GB video memory VRAM</p> <p>Memory: 16GB 2400MHz DDR4</p> <p>HDD: 1TB Fusion Drive</p> <p>Ports: Two Thunderbolt 3 ports</p> <p>Accessories: 1 x Magic Keyboard and 1 x Magic Mouse</p> <p>Warranty: 1 Year Standard Warranty</p>	20 Nos		
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3.3 Professional Desktop PC's for Final Year Project (FYP) Lab

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3.	Brand: Viper Pluto S AIO without Touch Screen or Equivalent Processor: Corei7 (8500) (8 th Gen) Memory: 16GB RAM Storage: 1000GB SATA Hard Drive Display: 21.5 FHD Screen Audio: Full Duplex Sound Ports: 1xHDMI Port, 2x3.0 USB and 2x2.0USB Ports WLAN: 802.11 11b/g Wifi interface card Ethernet: Gigabit Lan interface Peripherals: 1xUSB Keyboard and 1xUSB Optical Mouse OS: Free Dos Power: 90W Warranty: 05 Years	20 Nos		
Total Amount				
Total Amount In Words: _____				
Names of Brand(s) Offered: _____				

4. Procurement of UPS Unit for Final Year Project (FYP) Lab

S. No.	Description	Quantity	Amount (PKR)	
			Amount Per Unit	Total Amount
1.	ABB UPS Power Scale 33 30kVA or Equivalent Cab C, 380 / 400 / 415 Vac (3φ+ N + PE) 12 V/ 24 Ah, Valve-regulated, Maintenance-free, Leak proof, non-spillable, Lead acid cells (VRLA) Part No. 04-1587 Warranty: 1 Year UPS and 1 Year Batteries standard warranty	01 No		
2.	Installation and Commissioning of UPS	01 Job		
Total Amount				
Total Amount In Words: _____				
Names of Brand(s) Offered: _____				

Signature & Stamp of
Vendor / Firm / Supplier

5. Procurement of Microsoft Office 2019 Standard Academic Licenses for Final Year Project (FYP) Lab

S. No.	Description	Quantity	Amount (PKR)	
			Amount Per Unit	Total Amount
1.	Microsoft Office 2019 Standard Academic OLP License	60 Nos.		
Total Amount				
Total Amount In Words: _____				
Names of Brand(s) Offered: _____				

Signature & Stamp of
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Name of the Brand (s) Offered:

Warranty: All equipment / component must carry comprehensive onsite OEM warranties, bidders must be agreed to provide at least 01 (One) Year free comprehensive warranty which must include Labor, Parts replacement and any other related service.

Note:

- (i) Bidders must comply with the minimum specification required as provided in the above cited BoQ.
- (ii) Bidders may be called to attend a Pre-Bid Meeting at DSU.
- (iii) Provide complete brochures / reference / details of the equipment offered for evaluation purpose.

Signature & Stamp of
Vendor / Firm / Supplier

Information Required from Responding Companies / Firms / Vendors

Name of the Responding Company / Firm / Vendor	
Year of Establishment	
Name of Contact Person	
Cell No.	
Office Address	
Office Phone No.	
Office Fax No.	
Email	
NTN No. (attach a copy)	
GST Reg. No. (attach a copy)	
KARACHI OFFICE	
Name of Contact Person	
Cell No.	
Office Address	
Office Phone No.	
Office Fax No.	
Email	

Signature & Stamp of
Vendor / Firm / Supplier