



# FATA University

**Darra Adam Khel, FR Kohat**

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Last date of tender submission: **December 06, 2016 up to 11:00PM**  
Opening date of tender: **December 06, 2016 at 11:30 PM**

Price= Rs.500/-

## **TENDER DOCUMENTS FOR THE PROCUREMENT OF ITEMS, RENOVATION WORK, WOOD AND IRON WORK & FURNITURE & FIXTURE**

(**Note:** Please provide a soft copy of all documents in a USB/CD drive along with hard copy of the offer)

**Document Issued By: Treasurer Office, FATA University**

**FATA University Official**

**Dated: 18-11-2016**

## Terms & Conditions

### INVITATION TO BID

- The Vice Chancellor, FATA University invites bids UNDER SINGLE STAGE TWO ENVELOPE SYSTEM for the items as per attached list.
- Bids must be submitted in sealed envelopes, indicating its due date on the face of the envelope.
- Earnest money @ 2% of the quoted items in the shape of call deposit in the name of Vice Chancellor, FATA University shall be submitted with the tender otherwise the tender documents shall not be entertained.
- The quoted prices shall be inclusive of all types of admissible taxes.  
The Vice Chancellor, FATA University, reserves the right to accept or reject any or all tenders in the light of PPRA Rules by assigning valid reason.

### INSTRUCTION TO BIDDERS/GENERAL CONDITIONS

- Tender documents having detailed specifications along with Terms & Conditions can be obtained from the **Vice Chancellor's Secretariat, FATA University, Darra Adam Khel, FR Kohat** on any working day before the due date and time. Those documents are required to be signed and attached with the letterhead of the bidding firm. No corrections/overwriting are allowed.
- Single stage-two envelope procedure. The bid shall comprise a single package containing two separate envelopes. Each envelope shall contain separately the financial proposal and the technical proposal. The envelopes shall be marked as "FINANCIAL PRPOSAL" and "TECHNICAL PROPOSAL" in bold and legible letters to avoid confusion.
- Bids must be sent through courier and should reach the office at least half an hour before the scheduled time of opening.
- Only those firms who qualifies technical evaluation will be allowed to be considered in financial evaluation and they will be informed about the date and time of opening through e-mail/contact numbers/letter.
- Item(s) should be quoted separately. Preference will be given to the firm(s) quoting bids for maximum number of items, along with installation and commissioning/Turnkey solution. However, FATA UNIVERSITY reserves the right to opt any item from any bidder.
- *Bidders are requested to read carefully the terms and conditions and sign the Tender Form in token of having understood and accepted the same in all respects. All or any of the provisions of the terms and conditions may be changed/alterd/modified/deleted/added or amended by the University as and when deemed suitable/necessary.*
- The tender Rate shall be item wise in Pak Rupees.
- Bidder is responsible for timely delivery of bids. This office will not be responsible for misplacement / tampering / non-attendance delay or any other incident in case the bids are not delivered at the designated place & time.
- The bidders should be either established firm or sole distributor / authorized agent or Supplier registered with Sales and Income Tax Department.

- The payment of equipment is coupled with installation / commissioning of equipment; therefore, supplier should make sure that bid is complete in all respects including consumables etc.
- Time of Delivery of all equipment will be Maximum 30 days after the date of issuance of purchase order.at FATA University upon his own expenses.
- The firms conducting, renovation work, wood and iron work (including partitioning, furniture and fixture, iron grills, masonry etc) will have to start work immediately (within one week), after the issuance of work order, otherwise their call deposit will be forfeited and they will not be allowed to participate in any tendering process.
- The Vice Chancellor FATA University reserves the right to reject all bids at any time prior to the acceptance of bids. The grounds of rejection will be communicated to the bidder(s) upon request. However, Vice Chancellor FATA UNIVERSITY shall not be liable to provide any justification of those grounds.
- Responsibility of late delivery will not rest upon this office.

**Note:**

*By signing this agreement, the undersigned acknowledge that he has read and understood, and agree to be bound by, the terms and conditions as outlined in the agreement and confirming that his company/organization terms and condition stand eradicated.*

*Vendor/Supplier/Contractor signature*

Dated: \_\_\_\_\_

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Company Name: \_\_\_\_\_

Contact No: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

## COMPUTERS & ACCESSORIES

S.No	Item Name		<u>Rate Including All Govt. Taxes</u>
1	<b>Laptop Core i7</b>	Laptop Core i7 6 <sup>th</sup> Generation <ul style="list-style-type: none"> <li>• 6th generation Intel Core i7</li> <li>• FHD/UHD (1920x1080 or higher) Antiglare LED Backlit Screen</li> <li>• 15.6-inch diagonal Radiance LED-backlit display</li> <li>• 16GB RAM</li> <li>• Min. 2GB nVidia Graphics Card</li> <li>• 1TB 7200/5400 RPM Harddisk</li> <li>• DVD RW±</li> <li>• USB 3.0 ports</li> <li>• Backlit keyboard</li> <li>• Battery backup of minimum 3hrs+</li> <li>• Original Company Manufactured Carrying case</li> <li>• Local Warranty</li> <li>• No Operating System</li> <li>• Models with front panel LEDs for HDD, Power, WiFi, charger etc.</li> </ul>	Rs. _____ per unit
2	<b>Laptop Core i5</b>	Laptop Core i5 6 <sup>th</sup> Generation <ul style="list-style-type: none"> <li>• 6th generation Intel Core i5</li> <li>• 15.6-inch HD diagonal Radiance LED-backlit display</li> <li>• 8GB RAM</li> <li>• 1TB 7200/5400 RPM Harddisk</li> <li>• DVD RW±</li> <li>• USB 3.0 ports</li> <li>• Backlit keyboard</li> <li>• Battery backup of minimum 3hrs+</li> <li>• Original Company Manufactured Carrying case</li> <li>• Local Warranty</li> <li>• No Operating System</li> <li>• Models with front panel LEDs for HDD, Power, WiFi, charger etc.</li> </ul>	Rs. _____ per unit

3	<b>Desktop Computer (Branded) (a)</b>	Desktop Core i3 (6 <sup>th</sup> Generation) (Branded) Mini Tower Memory,: 4GB Storage: 1TB 7200rpm Hard Disk Drive , Optical Memory: Dual Layer DVDRW± Display: 23” / 24” LED Display Graphics: Integrated Intel® HD Graphics, Connectivity: Ethernet Gigabit LAN 10/100/1000, Accessories :Optical Mouse, Wired Keyboard, Power Supply : 300 Watt Warrenty: 3 Year parts replacement	Rs. _____ per unit
4	<b>Desktop Computer Branded (b)</b>	Desktop Core i5 (6 <sup>th</sup> Generation) (Branded) Mini Tower (Quad Core, 4MB) Memory,: 4GB Storage: 1TB 7200rpm Hard Disk Drive , Optical Memory: Dual Layer DVDRW± Display: 23” / 24” LED Display Graphics: Integrated Intel® HD Graphics, Connectivity: Ethernet Gigabit LAN 10/100/1000, Accessories :Optical Mouse, Wired Keyboard, Power Supply : 300 Watt Warrenty: 3 Year parts replacement	Rs. _____ per unit
5	<b>Desktop Computer Branded (c)</b>	Desktop Core i7 (6th Generation) (Branded) Mini Tower (Quad Core, 6MB) Memory,: 8GB Storage: 1TB 7200rpm Hard Disk Drive , Optical Memory: Dual Layer DVDRW± Display: 23” / 24” LED Display Graphics: Integrated Intel® HD Graphics, Connectivity: Ethernet Gigabit LAN 10/100/1000, Accessories :Optical Mouse, Wired Keyboard, Power Supply : 300 Watt Warrenty: 3 Year parts replacement	Rs. _____ per unit
6	<b>Scanner A3 Size</b>	Product type : A3 flatbed scanner, desktop type Scan technology: CIS, flatbed Color depth :Color: 48bit;24bit; Gray Scale: 16bit; 8bit; Line art: 1bit Max document size (h x v) : 297mmx420mm Supported media type : Plain paper Resolution : Optical 600×1200; Interpolated: 9600x9600dpi Scan speed : 11.2ms/line (color,USB1.1), 3.6ms/line (color, USB 2.0) Interface : USB 2.0 Light source: LED	Rs. _____ per unit

7	<b>Scanner</b>	Type: Flatbed Scanner with ADF Speed:8ppm Scan Size Maximum: 8.5 x11 in, Maximum (ADF, 8.5x14 in (onesided), 8.5x12 in (Two Sided) Task Speed : Less Than 24 sec Enlargment Range: 10-2000% in 1% increment Scanning Side: Front/Back/Duplex Multi page Scanning, Scan both side of page automatically Scanning modes: B&W, Color Grayscale & 48 bit Color ADF Capacity: 50 Sheets capacity ADF Scanning Resolution: 2400x2400 dpi resolution Hi-Speed USB 2.0	Rs. _____ per unit
8	<b>Printer (Laser) (a)</b>	<ul style="list-style-type: none"> <li>• Print Speed Up to 19 pages per minute;</li> <li>• USB,</li> <li>• Paper Handling : 3" x 5" to 8.5" x 14</li> </ul>	Rs. _____ per unit
9	<b>Printer (Laser) (b)</b>	Black & White Laser Beam Printer Printing Speed: 25 to 30 PPM (A4) Print Resolution: 1200x1200, 600 DPI Memory (RAM): 64 MB or higher Duplex: Built –in- Automatic Two-sided Paper Input: 200+ Sheets, Multi-Purpose Try: 50 Sheets Standard Interface: USB 2.0 High-Speed/Network Printing	Rs. _____ per unit
10	<b>Printer (A3-Colour)</b>	Print on various paper types and sizes from 3.5 x 5 inches up to 13 x 19 inches , Maximum letter print speeds up to 33 ppm black, 32 ppm color2, Duplex (Built-in Automatic), replacing only the individual ink cartridge that runs out.	
11	<b>Multimedia Projector with Screen and Tripod Stand</b>	<ol style="list-style-type: none"> <li>1. LCD 3 Panels Technology</li> <li>2. Resolution XGA (1024 x 768)</li> <li>3. Lamp Type: 215 Ultra high pressure</li> <li>4. Lamp power: 215/ 200/140W</li> <li>5. Brightness: 3000lm</li> <li>6. Contrast: 2000:1</li> <li>7. Keystone correction: V ±30°</li> <li>8. Input: UXGA/SXGA+/WXGA+/FWXGA/WXGA/SXGA/XGA/SVGA/VGA/MAC</li> <li>9. Video input: NTSC / PAL / SECAM / NTSC4.43 /P AL-M / PAL-N</li> <li>10. Built-in Speaker 10W</li> <li>11. Screen 8x10</li> </ol> AC power cord, VGA to VGA cable, HDMI cable, remote control, carrying case, batteries for remote, multilingual CD-ROM user's manual, quick start card, and warranty card	Rs. _____ per unit
<b>Optional Lenses: Separate Prices be provided for any optional lenses/accessories.</b>			

12	<b>Photocopier (a)</b>	<ol style="list-style-type: none"> <li>1. Speed: 25 Copies per minute or higher</li> <li>2. Resolution 600 x 600 dpi or higher (print, copy, scan)</li> <li>3. Memory 512 MB or Higher</li> <li>4. Paper Support 500 sheets or Higher</li> <li>5. 100 sheets stack bypass</li> <li>6. 999 Multiple copies</li> <li>7. Interface USB/Network</li> <li>8. Built-in Duplex Printing and Copying</li> <li>9. RADF Built In</li> </ol>	Rs. _____ per unit
13	<b>Photocopier (b)</b>	<ol style="list-style-type: none"> <li>1. Speed: 35 Copies per minute or higher</li> <li>2. Resolution 600 x 600 dpi or higher (print, copy, scan)</li> <li>3. Memory 2GB or Higher, Hard Disk 250 GB or Higher</li> <li>4. Paper Support 500 sheets or Higher</li> <li>5. 100 sheets stack bypass</li> <li>6. 999 Multiple copies</li> <li>7. Interface USB/Network</li> <li>8. Built-in Duplex Printing and Copying</li> <li>9. RADF Built In</li> <li>10. Touch LCD</li> <li>11. Toner Life 40000 pages or Higher</li> </ol>	Rs. _____ per unit
14	<b>Photocopier (c)</b>	<ol style="list-style-type: none"> <li>1. Speed: 45 Copies per minute</li> <li>2. Copy size A3</li> <li>3. Resolution 600 x 600 dpi or higher (print, copy, scan)</li> <li>4. Memory 2GB or Higher, Hard Disk 250 GB or Higher</li> <li>5. Network Printer A3</li> <li>6. Network Color Scanner A3</li> <li>7. Paper Support 1100 sheets</li> <li>8. 100 sheets stack bypass</li> <li>9. Built-in Duplex Printing &amp; Copying</li> <li>10. RADF Built In</li> <li>11. Touch LCD</li> <li>12. Toner Life 40000 pages or Higher</li> </ol>	Rs. _____ per unit

**MISCELLANEOUS ITEMS****Section A:**

S.No	Item Name		<b>Rate Including All Govt. Taxes</b>
1	<b>Water Dispenser</b>	<ul style="list-style-type: none"> <li>• Bottled Water Dispenser with Refrigerator (Hot, Plain &amp; Cold)</li> <li>• Refrigerator with thermostat</li> <li>• Easy to handle</li> <li>• Insulation protection</li> </ul>	Rs. _____ per unit
2	<b>Split Air Condition (Wall Mounted) With Stabilizer</b>	<ol style="list-style-type: none"> <li>1. 1.5 Ton DC Inverter (<b>HOT &amp; Cold</b>)</li> <li>2. 18000 BTU</li> <li>3. Energy Saver</li> <li>4. Wireless Remote Control</li> <li>5. 1 Year Parts Warranty</li> </ol>	Rs. _____ per unit
3	<b>Air Condition (Chiller) (Floor) With Stabilizer</b>	<ol style="list-style-type: none"> <li>1. 1.5 Ton DC Inverter (<b>HOT &amp; Cold</b>)</li> <li>2. 18000 BTU</li> <li>3. Energy Saver</li> <li>4. Wireless Remote Control</li> <li>5. 1 Year Parts Warranty</li> </ol>	Rs. _____ per unit
4	<b>Generator (a)</b>	3phase 25kva Diesel/Gas Generator (Branded) Network Monitoring Provision Automatic Transfer Switch (ATS) Canopy	Rs. _____ per unit
5	<b>Generator (b)</b>	3phase 50kva Diesel/Gas Generator (Branded) Network Monitoring Provision Automatic Transfer Switch (ATS) Canopy	Rs. _____ per unit
6	<b>UPS</b>	3kVA (standard) Single phase input /single phase output, rated voltage 220/230/240 Vac , input frequency 45-66Hz, output voltage 220/230/240Vac, battery voltage 96 vdc, wave form Sine wave, THDv < 3% , battery pack 96V/7Ah, power factor of 0.7	Rs. _____ per unit
7	<b>UPS</b>	3kVA (long backup) Single phase input /single phase output, rated voltage 220/230/240 Vac , input frequency 45-66Hz, output voltage 220/230/240Vac, battery voltage 96 vdc, wave form Sine wave, THDv < 3% , battery pack 96V/48Ah, power factor of 0.7	Rs. _____ per unit
8	<b>Ac Stabilizer (Branded)</b>	Power Conditioner 5kva/10 KVA Special For Very Low Voltage Input V : 80 to 280	Rs. _____ per unit



11	<b>Refrigerator</b>	<ul style="list-style-type: none"> <li>• Net Capacity 52 L</li> <li>• Direct Cooling</li> <li>• Reversible Door</li> <li>• Compact design</li> </ul>	Rs. _____ per unit
12	<b>Smart LED TV 40"</b>	<ul style="list-style-type: none"> <li>• MAGIC REMOTE COMPATIBLE</li> <li>• NFC</li> <li>• WI-FI BUILT IN</li> <li>• Resolution FHD 1920 x 1080 or Higher</li> <li>• Backlight Module Slim LED</li> </ul>	Rs. _____ per unit
13	<b>Smart LED TV 56"</b>	<ul style="list-style-type: none"> <li>• MAGIC REMOTE COMPATIBLE</li> <li>• NFC</li> <li>• WI-FI BUILT IN</li> <li>• Resolution FHD 1920 x 1080 or Higher</li> <li>• Backlight Module Slim LED</li> </ul>	Rs. _____ per unit
14	<b>Microwave Oven</b>	<ul style="list-style-type: none"> <li>• Smart Intel menu</li> <li>• 360 degree cooking system</li> <li>• Energy Savings</li> <li>• Capacity 20 Litre</li> </ul>	Rs. _____ per unit
15	<b>DSLR Camera</b>	<p>Focal Length &amp; Maximum Aperture 24-70mm, 1:2.8  18-135mm Zoom Lens  Lens Construction 18 elements in 13 groups  Diagonal Angle of View 84° - 34°  Focus Adjustment Inner-focusing with USM  Closest Focusing Distance 0.38m/1.25 ft.  Zoom System Rotating Type  Filter Size 82mm  Extra Replacement Battery Charger  Extra High Capacity Replacement Battery  Deluxe Camera Backpack  58" Professional Size Tripod  High Speed Card Reader</p>	Rs. _____ per unit
16	<b>Digital Camera</b>	<p>Still Image 12.1 Megapixels,  Movie Full HD 1080p  Optical Zoom 5x  Sensor 1/1.7-inch CMOS sensor  Image Processor DIGIC 5 with iSAPS  Built-in-Memory - Card Supports SD/SDHC/SDXC  LCD 3.0-inch TFT Color with wide viewing angle  Battery Rechargeable Battery Pack</p>	Rs. _____ per unit
17	<b>PBX (exchange)</b>	<ul style="list-style-type: none"> <li>• 100 extensions upgrade up to 600 extensions</li> <li>• Monitoring System</li> <li>• 2x DSS Consoles</li> <li>• Automatic Handover, Wireless XDP Parallel Mode</li> <li>• Calling Line, Identification Presentation</li> <li>• Direct Dialling Inward</li> <li>• ISDN Call Forward, Multiple Subscriber Numbers</li> <li>• VoIP Network</li> <li>• Automatic ISDN Setting</li> <li>• PC Programming</li> </ul>	Rs. _____ per unit

		<ul style="list-style-type: none"> <li>• VIP-Call</li> <li>• Visual Caller ID</li> <li>• Digital eXtra Device Port (XDP)</li> <li>• Multi Party Conference</li> <li>• Built-in Hospitality Service</li> <li>• CTI Integration (USB/LAN)</li> </ul>	
9	<b>5kva Solar System</b> Complete installation and one year support	<ul style="list-style-type: none"> <li>• PV Module Polycrystalline 250 W model of PV Silicon.</li> <li>• PV Module adjustable Mounting Structure</li> </ul>	Rs. _____ per unit
		<ul style="list-style-type: none"> <li>• Inverter, hybrid inverter 5KVA mppt plus, 220V, 50/60 Hz</li> <li>• 4000 to 5000 watts of load</li> <li>• Built-in MPPT solar charge controller</li> <li>• Selectable input voltage range for home appliances and personal computers</li> <li>• Selectable charging current based on applications</li> <li>• Configurable AC/Solar input priority via LCD setting</li> <li>• Compatible to mains voltage or generator power</li> <li>• Auto restart while AC is recovering</li> <li>• Overload and short circuit protection</li> <li>• Smart battery charger design for optimized battery performance</li> <li>• Cold start function</li> <li>• USB port</li> </ul>	Rs. _____ per unit
		<ul style="list-style-type: none"> <li>• Dry Battery Long Life &amp; Backup 12V 155AH, with 1 year warranty.</li> </ul>	Rs. _____ per unit
10	<b>10kva Solar System</b> Complete installation and one year support	<ul style="list-style-type: none"> <li>• PV Module Polycrystalline 250 W model of PV Silicon.</li> <li>• PV Module adjustable Mounting Structure</li> </ul>	Rs. _____ per unit
		<ul style="list-style-type: none"> <li>• Inverter, hybrid inverter 10KVA mppt plus, 220V, 50/60 Hz</li> <li>• 8000 to 10000 watts of load</li> <li>• Built-in MPPT solar charge controller</li> <li>• Selectable input voltage range for home appliances and personal computers</li> <li>• Selectable charging current based on applications</li> <li>• Configurable AC/Solar input priority via LCD setting</li> <li>• Compatible to mains voltage or generator power</li> <li>• Auto restart while AC is recovering</li> <li>• Overload and short circuit protection</li> <li>• Smart battery charger design for optimized battery performance</li> <li>• Cold start function</li> <li>• USB port</li> </ul>	Rs. _____ per unit
		<ul style="list-style-type: none"> <li>• Dry Battery Long Life &amp; Backup 12V 155AH, with 1 year warranty.</li> </ul>	Rs. _____ per unit

11	Firefighting equipment	Fire Extinguishers - DCP (Dry Chemical Powder) Type/Co2 (Carbondioxide) Type/Halotron (Clean Agent) Type	Rs. _____ per unit
		Fireproof suits with masks	Rs. _____ per unit
		Fire hoses	Rs. _____ per unit
		Fire Cylinders	Rs. _____ per unit
		Firefighting foam equipment	Rs. _____ per unit

## **Section B:**

### **Furniture & Fixtures / Partitioning**

S.No	Item Name		<b>Rate Including All Govt. Taxes</b>
1	<b>Computer Table</b>	Size: 3.5 x 2.25 x 2.5h feet. Body made from 18mm thick 600 density chipboard pressed with Super shisham veneer with the CPU box, one lockable drawer and one keyboard tray, back closed.	Rs. _____ per unit
2	<b>Revolving Chairs</b>	1. Computer revolving chair with no arms 2. Office revolving chair with arms	Rs. _____ per unit
3	<b>Conference Table</b>	Size: 4 x 2 x 2.5h feet Complete body made from 25mm thick 600 density chipboard pressed with Super shisham veneer with back closed. Finished with lacquer spray polish.	Rs. _____ per unit
4	<b>Office Chair</b>	Structure made of 20x20mm (18 gauge) steel square pipe with aluminum painted. Seat & back made of solid shisham wood with seat and back cushioned.	Rs. _____ per unit
5	<b>Office Chair</b>	Structure made of seasoned solid shisham wood. Seat and back having superior foam covered with brown superior quality. Finished with lacquer spray polished.	Rs. _____ per unit
6	<b>Office Easy Chair</b>	With Arms structure made of solid Shisham wood. Seat and back having superior foam covered with brown superior quality. Finished with lacquer spray polished.	Rs. _____ per unit
7	<b>Sofa set</b>	Two single + one 3 seater Structure made of 25x25mm steel sq. pipe with aluminum painted. Seat and back covered in brown cloth.	Rs. _____ per unit
8	<b>Sofa set</b>	Two single + one 3 seater	Rs. _____ per unit

		Structure made of seasoned solid shisham wood. Seat and back best foam loose cushions covered in brown cloth	
9	<b>Centre Table</b>	Size: 4 x 2.25 x 1.5h feet Structure made of seasoned solid shisham wood. Top 18mm thick chipboard pressed with Super shisham veneer. Finished with lacquer spray polish	Rs. _____ per unit
10	<b>Side Table</b>	Size: 2 x 2 x 1.5h feet Structure made of seasoned solid shisham wood. Top 18mm thick chipboard pressed with Super shisham veneer. Finished with lacquer spray polish.	Rs. _____ per unit
11	<b>Almirah/Cupboard</b>	Size: 3 x 1 x 6h feet Body made of laminated board. Two flush lockable doors and four fixed shelves. Footing 25x25mm sq. pipe with paint.	Rs. _____ per unit
12	<b>Show Case / Book shelf</b>	Size: 3 x 1 x 6h feet Body made of laminated board. Two glass lockable doors and four fixed shelves. Footing 25x25mm sq. pipe with paint.	Rs. _____ per unit
13	<b>Book Shelf</b>	Size: 3 x 1 x 6h feet Complete body made of 18mm thick chipboard pressed with supper shisham veneer. Five number fixed shelves. Finished with lacquer spray polished. Footing 25mm sq. pipe with aluminum paint.	Rs. _____ per unit
14	<b>Book shelf (both sides)</b>	Size: 3 x 2 x 6h feet Complete made of 25mm thick chipboard pressed with supper shisham veneer. Five number fixed shelves. Finished with lacquer spray polished. Footing 25mm sq. pipe with aluminum paint.	Rs. _____ per unit
15	<b>Side Rack</b>	Size: 4 x 1 x 3h feet Body made of laminated board with two fixed shelves. Footing 25x25mm sq. pipe with paint.	Rs. _____ per unit
16	<b>Window blinds</b>	Window Blinds of color and design of choice for all windows. Gypsum board sheet and wood frame for window closing	Rs _____ per sq feet
17	<b>Cabins for Offices (6 feet height)</b>	Wooden frame, both side 12mm waterproof lasani sheet / laminated board	Rs _____ per sq feet
18	<b>Cabins for Offices (6 feet height)</b>	Main frame imported portal wood 2" x 1.25". Both side covered with laminated board of 0.75" up to 4 feet height with top 2 feet of 5mm Glass. Lacquer polish.	Rs _____ per sq feet
19	<b>Aluminum Cabin for Offices (6 feet height)</b>	Aluminum frame section Quality Size 2" x 2", fitness 2mm, MDF covered 0.75" up to 4 feet. Top 5 mm Glass of 2 feet height	Rs _____ per sq feet
20	<b>Partitioning</b>	Main frame of important portal wood Size 2" x 1.25" covered with 0.75" MDF, Laminated board finished with high quality lacquer polish.	Rs _____ per sq feet

21	<b>Sound proof partition</b>	Main frame Size 2" x 1.25" of imported portal wood both side covered with 0.50" MDF, Laminated board with inside the frame of 1.50" thermopole.	Rs _____ per sq feet
22	<b>Sound proof partition</b>	38mmx 38mm pipe frame, jumbo lawn sheet, both side 12mm waterproof lasani sheet / laminated board.	Rs _____ per sq feet
23	<b>Car park shed</b>	38mm x 38mm pipe frame, 26 gauge GI sheet / fiber glass sheet for top/roof (similar to the one already exist in the university).	Rs _____ per sq feet
24	<b>Computer Lab establishment</b>	Electrification and LAN wiring etc	Rs _____ per sq feet
25	<b>Iron Railing</b>	Iron railing of square pipe (1"x1") with a space of 6 inches with 3-4" pipe at the top.	Rs _____ per sq feet
26	<b>False ceiling</b>	P/F of False ceiling of 10 mm thick tile and aluminum T and L imported and hanging wire of approved section complete in all respect as directed by the Engineer in-charge.	Rs _____ per sq feet
27	<b>Wall mounted cupboard</b>	Size: 4 x 1.50 x 2h feet Body made of laminated board with shelves having three lockable doors.	Rs. _____ per unit

## **BILL OF QUANTITY FOR SECURITY & SURVEILLANCE EQUIPEMENT**

A Complete security surveillance solution is required for providing security related information to the authorities. The solution must have following functionalities:

1. Ability to be accessible from premises network.
2. Should be compatible with NAS technologies to add extra storage.
3. Flexibility to extend cameras & storage as the demand arises.
4. Should be complete in all respects of supply, installation, and support. Particularly, any power/installation related items be included in the quotation.

### **Provide solution based on following sections**

#### **Section: A**

#### **DIGITAL SURVEILLANCE\***

S.No	Item Name	<b><u>Rate Including All Govt. Taxes</u></b>
1	2MP Speed Dome Day/Night PTZ Camera IP66 POE/POE+	Rs._____per unit
2	3MP Outdoor Bullet Camera D/N with IP66 POE/POE+	Rs._____per unit
3	PTZ Joystick	Rs._____per unit
4	Network Video Recorder with Video Management Software (Recoding /Viewing)  with SATA HDD-12TB	Rs._____per unit
5	Computer System with LED	Rs._____per unit
6	40'' LED FHD (1920x1080) Display with Mounting Brackets	Rs._____per unit
7	Network Attached Storage (4TB)	Rs._____per unit
8	24(100Mbps) Port POE/POE+ Switch with 2 1-Gbps Fiber Uplinks Layer 2 Manageable	Rs._____per unit
9	8(100Mbps) Port POE/POE+ Switch with 2 1-Gbps Fiber Uplinks Layer 2 Manageable	Rs._____per unit
10	24-SFP Port Optical Fiber Switch Layer 3	Rs._____per unit
11	1-Gbps SFP Module (Single Mode Fiber – 1000meter Support)	Rs._____per unit

12	CAT6 UTP Cable Laying Services (As per Actual, Per Running Feet) Should include all required accessories.	Rs._____per unit
13	Outdoor 6-Core Single Mode Optical Fiber Cable (1Gbps) – Per Meter (10Gbps Link Supported)	Rs._____per unit
14	Laying of Optical Fiber Cable with 2-inch PVC Pipe with all required accessories (Per-Meter)	Rs._____per unit
15	Optical Fiber Splicing Per/Core	Rs._____per unit
16	6U Standard Rack with FAN	Rs._____per unit
17	24 port OFDF and Cable Manager with Complete Accessories	Rs._____per unit
18	8 port OFDF and Cable Manager with Complete Accessories	Rs._____per unit

*\* Note. The cost must include any installation & configuration charges, if applicable.*

## **Section: B**

### **ANALOG SURVEILLANCE\***

S.No	Item Name	Rate Including All Govt. Taxes
1	2MP Speed Dome Day/Night PTZ Camera IP66	Rs._____per unit
2	3MP Outdoor Bullet Camera D/N with IP66	Rs._____per unit
3	PTZ Joystick	Rs._____per unit
4	Digital Video Recorder with Video Management Software (Recoding /Viewing) with SATA HDD-2TB	Rs._____per unit
5	Computer System with LED	Rs._____per unit
6	40'' LED FHD (1920x1080) Display with Mounting Brackets	Rs._____per unit
7	Network Attached Storage (4TB)	Rs._____per unit
8	Cabling from DVR to cameras complete in all respect including items and installation (per meter rate required)	Rs._____per unit
9	Power cabling to supply power to DVR and Cameras complete in all respect including items and installation (per meter rate required)	Rs._____per unit

*\* Note. The cost must include any installation & configuration charges, if applicable.*

