

For official use only

Tender No:

Signature:

Date of Issue:

TENDER FORM

for

- (1) HD/SD digital Video Recorder**
- (2) Data Communication and Network Kit**
- (3) Computer Network Trainer Kit**

DOWNLOADED FROM WEBSITE

www.aau.in

Last date of tender submission to reach the office through speed post/registered post

23-01-2019

NOTE

Payment of Rs. 1500/- by cash or DD drawn in favour of "AAU Fund A/C", payable at Anand as tender fees should accompany the filled tender otherwise the tender form shall be treated as incomplete and cancelled.

**PRINCIPAL AND DEAN
COLLEGE OF AGRICULTURAL INFORMATION TECHNOLOGY
ANAND AGRICULTURAL UNIVERSITY, ANAND - 388 110 (GUJARAT)
Tel.: (02692) 263124**

e-mail: deanait@aau.in

Terms and Conditions:

- The quotation must be in Indian rupees and rates quoted should be **inclusive of all applicable Taxes and F.O.R. at Anand at our college inclusive of packaging, forwarding, freight & insurance, installation, commissioning and demonstration by technical team at our site.**
- Concessions, if any, for educational institutions.
- If GST is required to be indicated separately then it is necessary to indicate the rate of GST on the item quoted.
- Validity of the quotation should be **120** clear days from the last date of receipt of the quotation.
- **Payment shall be made only after satisfactory supply/installation and demonstration. No advance or part payment or payment through bank can be entertained.**
- Tender forms only from original manufacturers/their authorized dealers/stockists who are in the concerned field will be considered, along with the said certificate.
- The credentials of the party, list of customers and complete illustrated literature should be enclosed with the tender form. The firm should be ready for pre inspection of the item and its performance, if necessary.
- Tenderers will have to attach original colour catalogue of the each quoted product ensuring exact specifications.
- In case of defective items, the same shall have to be replaced by the party concerned at its own cost, and risk, and within stipulated time.
- The Earnest Money Deposit Item no.(1) Rs.6000/- (2) Rs.3000/- (3) Rs.3000/- (EMD) in the form of account payee Demand Draft in the name of **“AAU Fund Account” payable at Anand**, shall have to be accompanied with the filled Tender Forms. Tender submitted without EMD shall not be considered. The deposit shall be forfeited if the party in any case is not able to supply the ordered goods in stipulated period and at the rates approved.
- The party whose tender will be approved will be required to pay security deposit @5% of the invoice value in form of **DD in favour of “AAU Fund Account”**. This money will remain deposited in university till warranty period is over.
- Duly filled tender forms in sealed envelopes through **registered post/speed post only** should reach the office of the **Principal, College of Agricultural Information Technology, Anand Agricultural University, Anand- 388 110, (Gujarat) before 17.00 h on 23-01-2019**
- Please super scribe the envelope, **“TENDER DOCUMENTS FOR 1) HD/SD digital Video Recorder (2) Data Communication and Network Kit (3) Computer Network Trainer Kit : College of A.I.T.,AAU, Anand-388110”** and mention clearly senders’ name and address.
- The PRINCIPAL shall be empowered to reject any one or all the tenders without giving any reason for doing the same. This shall not be challengeable in the Court.
- Parties may be called for Technical discussion and price negotiation, if required.
- In case of disputes, decision of Vice Chancellor, Anand Agricultural University, Anand will be final and acceptable to all the parties.

- Name of supplier / firm :

- Complete postal address :

- Telephone Number :

- FAX Number (if any) :

- e-mail address (if any) :

- Details of Tender fee :

D.D.Number :

Bank's Name :

Amount : Rs. 1500/-

Date :

- Details of EMD :

D.D.Number :

Bank's Name :

Amount :

Date :

- GST No. :

- Any other details :

We agree to abide by the terms and conditions of supply mentioned in this tender document

Signature of Tenderer

(With Stamp, Name, Designation and date)

Annexure-I

Lowest competitive rates are hereby invited for purchase of (1) **HD/SD digital Video Recorder** (2) **Data Communication and Network Kit** (3) **Computer Network Trainer Kit** with following specifications

Sr. No.	Specification and other details of items to be purchased	Quantity Required																																		
1	<p>HD/SD digital Video Recorder Specification of HD/SD digital Video Recorder:</p> <table border="1" data-bbox="280 457 1357 1871"> <tr> <td data-bbox="280 457 756 491">Video Standard</td> <td data-bbox="756 457 1357 491">HD & SD</td> </tr> <tr> <td data-bbox="280 491 756 638">Video Format</td> <td data-bbox="756 491 1357 638">1080p 23.97/24Hz, 1080i 50/59.94/60Hz, 720p 50/59.94/60Hz, 576i 50Hz, 480i 59.94Hz</td> </tr> <tr> <td data-bbox="280 638 756 672">Supported Video Input Signal</td> <td data-bbox="756 638 1357 672">1x SDI</td> </tr> <tr> <td data-bbox="280 672 756 743">Monitoring/ Playback output</td> <td data-bbox="756 672 1357 743">1x SDI (input loop thru) 1x HDMI, 1x SDI (Out)</td> </tr> <tr> <td data-bbox="280 743 756 814">Analog Audio Input & Audio Output</td> <td data-bbox="756 743 1357 814">2x Balanced mini XLR (Stereo pair)</td> </tr> <tr> <td data-bbox="280 814 756 848">Embedded Audio</td> <td data-bbox="756 814 1357 848">Both In & Out (8-CH on SDI/HDMI)</td> </tr> <tr> <td data-bbox="280 848 756 882">Storage Medium</td> <td data-bbox="756 848 1357 882">2.5" Hard Drive / SSD*, Max capacity 1TB</td> </tr> <tr> <td data-bbox="280 882 756 953">Estimated Record Time (min per 10GB)</td> <td data-bbox="756 882 1357 953">SD: 19 (50Mbps) ~ 70 (8Mbps) HD: 8 (125Mbps) ~ 62 (10Mbps)</td> </tr> <tr> <td data-bbox="280 953 756 1024">How to Retrieve Recorded Content</td> <td data-bbox="756 953 1357 1024">Removable Hard Drive / SSD, transfer data via USB2.0</td> </tr> <tr> <td data-bbox="280 1024 756 1058">Storage File System</td> <td data-bbox="756 1024 1357 1058">NTFS (read only)</td> </tr> <tr> <td data-bbox="280 1058 756 1092">Recorded File Format</td> <td data-bbox="756 1058 1357 1092">MXF OP1A, MOV</td> </tr> <tr> <td data-bbox="280 1092 756 1688">Video Recording Bit Rate / Color Sampling</td> <td data-bbox="756 1092 1357 1688"> MPEG2 Long GOP HD: 10Mbps 4:2:0 1440x1080/1280x720 25Mbps 4:2:0 1440x1080/1280x720 35Mbps 4:2:2 1920x1080/1280x720 50Mbps 4:2:2 1920x1080/1280x720 65Mbps 4:2:2 1920x1080/1280x720 120Mbps 4:2:2 1920x1080/1280x720 MPEG2 Long GOP SD: 8Mbps 4:2:0 720x480/720x576 15Mbps 4:2:2 720x480/720x576 30Mbps 4:2:2 720x480/720x576 50Mbps 4:2:2 720x480/720x576 MPEG2 I-Frame Only HD: 80Mbps 4:2:2 1920x1080/1280x720 100Mbps 4:2:2 1920x1080/1280x720 125Mbps 4:2:2 1920x1080/1280x720 MPEG2 I-Frame Only SD: 25Mbps 4:2:2 720x480/720x576 50Mbps 4:2:2 720x480/720x576 </td> </tr> <tr> <td data-bbox="280 1688 756 1722">Audio Recording Format</td> <td data-bbox="756 1688 1357 1722">Uncompressed PCM Sampling rate 48KHz 24bit</td> </tr> <tr> <td data-bbox="280 1722 756 1755">Time code in/out</td> <td data-bbox="756 1722 1357 1755">Yes</td> </tr> <tr> <td data-bbox="280 1755 756 1789">External Sync/ Genlock</td> <td data-bbox="756 1755 1357 1789">Black Burst & Tri-level with loop thru</td> </tr> <tr> <td data-bbox="280 1789 756 1843">Power failure protection</td> <td data-bbox="756 1789 1357 1843">Content saved up to last 3 seconds or less before power failure</td> </tr> <tr> <td data-bbox="280 1843 756 1871">Chassis</td> <td data-bbox="756 1843 1357 1871">Desktop</td> </tr> </table>	Video Standard	HD & SD	Video Format	1080p 23.97/24Hz, 1080i 50/59.94/60Hz, 720p 50/59.94/60Hz, 576i 50Hz, 480i 59.94Hz	Supported Video Input Signal	1x SDI	Monitoring/ Playback output	1x SDI (input loop thru) 1x HDMI, 1x SDI (Out)	Analog Audio Input & Audio Output	2x Balanced mini XLR (Stereo pair)	Embedded Audio	Both In & Out (8-CH on SDI/HDMI)	Storage Medium	2.5" Hard Drive / SSD*, Max capacity 1TB	Estimated Record Time (min per 10GB)	SD: 19 (50Mbps) ~ 70 (8Mbps) HD: 8 (125Mbps) ~ 62 (10Mbps)	How to Retrieve Recorded Content	Removable Hard Drive / SSD, transfer data via USB2.0	Storage File System	NTFS (read only)	Recorded File Format	MXF OP1A, MOV	Video Recording Bit Rate / Color Sampling	MPEG2 Long GOP HD: 10Mbps 4:2:0 1440x1080/1280x720 25Mbps 4:2:0 1440x1080/1280x720 35Mbps 4:2:2 1920x1080/1280x720 50Mbps 4:2:2 1920x1080/1280x720 65Mbps 4:2:2 1920x1080/1280x720 120Mbps 4:2:2 1920x1080/1280x720 MPEG2 Long GOP SD: 8Mbps 4:2:0 720x480/720x576 15Mbps 4:2:2 720x480/720x576 30Mbps 4:2:2 720x480/720x576 50Mbps 4:2:2 720x480/720x576 MPEG2 I-Frame Only HD: 80Mbps 4:2:2 1920x1080/1280x720 100Mbps 4:2:2 1920x1080/1280x720 125Mbps 4:2:2 1920x1080/1280x720 MPEG2 I-Frame Only SD: 25Mbps 4:2:2 720x480/720x576 50Mbps 4:2:2 720x480/720x576	Audio Recording Format	Uncompressed PCM Sampling rate 48KHz 24bit	Time code in/out	Yes	External Sync/ Genlock	Black Burst & Tri-level with loop thru	Power failure protection	Content saved up to last 3 seconds or less before power failure	Chassis	Desktop	<p align="center">1</p> <p align="center">(EMD Rs.6000)</p>
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Chassis	Desktop																																			

Sr. No.	Specification and other details of items to be purchased	Quantity Required
2	<p>Data Communication and Network Kit <u>Following Experiments to Cover</u></p> <ol style="list-style-type: none"> 1. Data transmission and reception between two computers using COM1 Serial Ports 2. Data transmission and reception between two computers using LPT1 Parallel Ports 3. Data transmission and reception between two computers using BNC Bus Topology 4. Data transmission and reception between two computers using USB Ports 5. Data transmission and reception between two computers using RJ45 Cross Cable 6. Data transmission and reception between two computers using Star Topology 7. Data transmission and reception between two computers using Fire Optic Cable 8. Data transmission and reception between two computers using Firewire Ports 9. To connect two personal computer with straight pair 10. GSM Data Transmission and reception Module 	<p style="text-align: center;">1</p> <p style="text-align: center;">(EMD Rs.3000)</p>
3	<p>Computer Network Trainer Kit <u>Following Experiments to Cover</u></p> <ol style="list-style-type: none"> 1. An Overview of Campus Networks Design 2. Introduction to LAN with its cables, connectors and topologies 3. To connect two personal computer with straight twisted pair 4. Introduction to Motherboard & Installation of LAN Card 5. Case Study of Ethernet(10 base 5,10 base 2,10 base T) 6. Create a simple network with two PCs using a hub <ol style="list-style-type: none"> a. identify the proper cable to connect the PCs to the hub b. Configure workstation IP address information c. Test connectivity using the ping command 7. Installation & working of Remote desktop 8. Installation and working of Telnet (Terminal Network) 9. Switch configuration and management (Telnet, SNMP, HTTP) 10. Installation of Windows server 11. Installation of Dynamic Host Configuration Protocol (DHCP) 12. To study DNS Server Case Study and to install DNS Server and its Configuration 13. To understand end-user network performance using “One touch at network assistant” 14. Basic Firewall Software Configuration 15. Data transmission and reception between two computers using Ring Topology 	<p style="text-align: center;">1</p> <p style="text-align: center;">(EMD Rs.3000)</p>