



**College of Food Processing Technology
& Bio-energy
Anand Agricultural University, Anand**

Tender Notice

Sealed quotations are invited from for purchase and labour work of the different items like: Plywood and Wood items, Full Glass doors, Aluminium-glass partitions and windows, MS/SS Lab fixtures, Floor carpeting, wall paper & related items, Flex boards/banners, Aluminum Composite Panels, Paints and colour items, GI/MS items, Electrical cables, switch gear & related items, Classroom chairs, LCD projector, Floor mopping machine, CCTV Camera, Internet cabling, Garden soil, Kota stone, Granite, Cement, Bricks, Brick grits, Sand, Landscaping, Lawn and plantation etc. and other related items.

Tender form having detailed specifications and terms and conditions can be available from the office of **Principal, College of FPT & BE, Anand Agricultural University, Anand-388 110**, on payment of Rs. 500/-in cash / DD drawn in the favour of "AAU Fund A/C", payable at Anand. The EMD shall be as stated in the tender form. The tender document can also be downloaded from our website; www.aau.in. Last date for issue of tender form: **June 09, 2014**, and last date for receipt of filled tenders: **June 21, 2014**, through **speed post/registered post** only.

Principal

For official use only

Tender downloaded from Internet

TENDER FORM

for

Various items for College of FPTBE

Last date of tender submission through RPAD/Speed Post

June 21, 2014

NOTE:

For the form downloaded from the internet payment of Rs. 500/- by DD drawn in the favour of "AAU Fund A/C", payable at Anand should accompany this form separately other wise the form shall be treated as incomplete and cancelled.

**COLLEGE OF FOOD PROCESSING TECHNOLOGY & BIO ENERGY
ANAND AGRICULTURAL UNIVERSITY, ANAND - 388 110 (GUJARAT)**

Tel. /Fax No.: 02692 -261302

- **Name of supplier / firm:**

- **Complete postal address:**

- **Telephone Number (Land line):**
- **Mobile Number:**

- **FAX Number (if any):**

- **e-mail address (if any):**

- **Details of EMD:**
 - D. D. Number:**
 - Amount:**
 - Date:**

- **Sales Tax No. :**

- **Registration No. :**

- **Any other details**

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

**Signature of Tenderer
(With Stamp, Name & Designation)**

Terms and Conditions

1. Rates quoted should be **inclusive of all applicable Taxes and F.O.R. our laboratories at Anand inclusive of installation, commissioning and demonstration, if any.**
2. The rates quoted should be valid for the current financial year 2014-15 i.e. upto March 31, 2015.
3. Being an education institution we are eligible for exemption of excise duty. Hence, rates should be quoted accordingly.
4. Payment shall be made only after satisfactory installation and demonstration. No advance or part payment or payment through bank can be entertained.
5. 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.
6. Tenderers will have to attach original colour catalogue of the each quoted product ensuring exact specifications.
7. All the electronic hardware should comply with international standards for safety, electromagnetic emissions and immunity, CE/FCC Mark/Certification, etc.
8. 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.
9. The Earnest Money Deposit (EMD) in the form of crossed Demand Draft in favour 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 goods/ complete the work in stipulated period and at the rates approved.
10. The quantity mentioned in the tender is indicative and approximate only, it may vary.
11. Duly filled tender forms in sealed envelopes through **RPAD/speed post only** should reach the office of the Principal, College of FPTBE, Anand Agricultural University, Anand 388 110 before **17.00 hr on June 21, 2014.**
12. Please super scribe the envelope, "Rates for Various items for College of FPTBE" and mention clearly senders' name and address.
13. 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.
14. In case of disputes, decision of Vice Chancellor, Anand Agricultural University, Anand will be final and acceptable to all the parties.

Lowest competitive rates are hereby invited for the purchase of items bearing the specifications as follows:

S. No.	Specification	Approx. Quantity	Cost
1	Aluminium Glass Partition and full glass doors, windows (EMD amount ` 5,000/- for item (i)- (iv) or any one of these)		
(i)	Aluminium Glass Partition Colour anodised Jindal/ Banco make aluminium section with frame 2½” x 1½” x 2.59 mm thick. It should be complete with 9 mm PLB or 5 mm plain glass (modi/ saint gobain) and other materials and fitting as per our design (Quote rates per sq. ft.)	5000 sq. ft.	
(ii)	Aluminium Glass Door Colour anodise Jindal/ Banco make aluminium section with frame 2½” x 1½” x 2.59 mm thick, Door vertical/ Top/Middle section:1¾” x 1¾” x 2.59 mm thick, Door bottom section: 4½” x 1¾” x 2.85 mm thick It should be complete with 9 mm PLB or 5 mm plain glass (modi/ saint gobain), lock, handle, stopper with inox/ dorma brand door closure, heavy duty sliding runner, and other materials and fitting as per our design (Quote rates per sq. ft.)	300 sq. ft.	
(iii)	Aluminium two track sliding window The window should be complete with fitting and all materials have following dimensions: Frame: 61.5 x 31.5 x 1.5 mm Shutter: 39.5 x 18 x 1.5 mm Glass: 5 mm plain float (modi/ saint gobain) It should be as per our design and complete with all materials and fitting (Quote rates per sq. ft.)	100 sq. ft.	
(iv)	Full Toughened glass door Providing and fixing full height glass partition with 12 mm clear glass (Saint-Gobain or Modiguard and acid work or sand blasting work on it, as per our design) fixed with inter locking glazing profile (stainless steel brush finish) on both top and bottom. Bottom side of the profile should be fixed with floor with necessary ss screws and top side fixed with 75 mm X 40 mm X 1.20 mm thick medium-duty aluminium hollow tube (Jindal or Banco) framing work. Aluminium hollow tube should also be fixed with proper frame work with all beams, soffit and ceiling with necessary brackets and cleats as required, including filling hardwood in the bottom level tube, which shall be connected to the glass partition (glazing profile). (Quote rates per sq. ft.)	100 sq. ft.	

2	Floor Carpeting, Wall Paper, Roller blind, Venetian blind(EMD amount ` 3,000/- for items (i)- (v) or any one of these)		
(i)	Floor carpet High oil, grease and fire resistant wood vinyl plank type floor carpet of thickness 1.5 mm with texture finish. Quote the rates per sq. ft. inclusive of all materials and fitting of wall paper.	2000 sq. ft.	
(ii)	Wall Paper Washable type vinyl wall paper of very good quality preferably Italy make and desired colour and shade. Quote the rates per sq. ft. inclusive of all materials and fitting charges.	1500 sq. ft.	
(iii)	Roller Blind Acrylic coated polyester fabric total blackout type roller blinds for windows with very high tearing strength and hanging quality. Quote the rates per sq. ft. inclusive of all materials and fittings.	250 sq. ft.	
iv)	Vertical Venetian Blind Vertical blinds made of glass fibre fabrics in width 100 mm with overlapping of fabric. Top aluminium anodised rail of 1.4 mm thickness. 50 mm wide channel with front lamination of same fabric. Runners having stainless steel hooks with built in shock spring and self aligning slip clutch. End control box of double gear system, stainless steel spacers, bottom weight fully plastic covered linked with plastic bead chain. Quote the rates per sq. ft. inclusive of all materials and fittings.	300 sq. ft.	
v)	Horizontal Venetian Blind Venetian blinds made of tungsten alloy aluminium. Top and bottom channels of powder coated aluminium in thickness 1.4 mm. Brass pulley, brass roller cord locks with side stainless steel plate. Tiller having brass and nylon with flexible powder coated steel tilting rod. Ladder cord with 20 mm spacing and antilflutter type. Quote the rates per sq. ft. inclusive of all materials and fittings.	300 sq. ft.	
3	Floor Mopping Machine (EMD amount ` 5,000/- for item)	1 set	
	Auto scrubber and dryer type mopping machine for small and congested areas having following features: <ul style="list-style-type: none"> • The roller brush diameter of at least 380 mm • Brush speed at least 100 rpm • Solution tank of at least 5 litre • Should be able to clean around 10000 sq.ft./hr • Air flow rate approximately 170 m³/h • The system should be complete with all accessories 		

4	Board/ Banners/Composite etc. (EMD amount ` 5,000/- for item (i)- (vii) or any one of these)		
i)	Sun Control film Providing and fixing sun control film for windows with pasting and labour, as per our approval. Rates per sq. ft. should be quoted.	150 sq. ft.	
ii)	Sun Control film (reflective) Providing one side mirror reflective sun control film for windows with pasting and labour. Rates per sq. ft. should be quoted.	200 sq. ft.	
iii)	Flex banner without frame Preparation of digital multicolour banner on flex material without frame as per our requirement inclusive of design & all materials. Rates per sq. ft. should be quoted.	200 sq. ft.	
iv)	Flex banner with frame Preparation of digital multicolour banner on flex material with frame of hollow MS square pipe. Rates per sq. ft. should be quoted.	200 sq. ft.	
v)	Acrylic Name plates Preparation of Name plates of various sizes on 4 mm thick transparent acrylic sheet with embossing effect of vinyl lettering of desired design and font size with fitting. Rates per sq. ft. should be quoted.	50 sq. ft.	
vi)	ACP Composite Providing and fixing reputed brand and good quality aluminum composite panel (3mm thick) of branded company and having frame on all four sides complete with material and fitting. The frame should be made from 2" x 1.5" size aluminum pipe. Rates per sq. ft. should be quoted.	150 sq. ft.	
vii)	Ecosolvent printing Preparation of posters with ecosolvent printing on vinyl sheet with very high resolution (min 2400 DPI) as per our design and size with lamination. Rates per sq. ft. should be quoted.	150 sq. ft.	
5	Plywood/ Wood / Abrotape/ Fevicol etc. (EMD amount ` 5,000/- for item (i)- (xi) or any one of these)		
i)	Greenply/Everest/Euro/Century ISI Brand commercial plywood sheet 8' x4'x 6 mm. Rates per piece/number should be quoted	30 No.	
ii)	Greenply/Everest/Euro/Century ISI Brand commercial plywood sheet 8' x4'x 8 mm. Rates per piece/number should be quoted	20 No.	
iii)	Greenply/Everest/Euro/Century ISI Brand commercial plywood sheet 8' x4'x 12 mm. Rates per piece/number should be quoted	20 No.	
iv)	Greenply/Everest/Euro/Century ISI Brand	70 No.	

	commercial plywood sheet 8' x4'x 19 mm. Rates per piece/number should be quoted		
v)	Greenply/Everest/Euro/Century ISI Brand block board with cheel patti 8' x4'x 19 mm. Rates per piece/number should be quoted	50 No.	
vi)	S. F. laminate colour sunmica sheet in different shades 8' x4' x 1 mm standard quality. Rates per piece/number should be quoted	100 No.	
vii)	Inner white laminate sheet in different shades 8' x4' x 0.8 mm standard quality. Rates per piece/number should be quoted	100 No.	
viii)	Sag Beed Patti , 1'' x 1/2'' Rates per running feet should be quoted	1000 ft.	
ix)	Sadi Sag Patti 1½'' x ¼'' Rates per running feet should be quoted	500 ft.	
x)	Fevicol S.H. (Standard Brand) Rates per 50 kg should be quoted	2 No.	
xi)	Abro Tape, ¾ inch (Rates per roll should be quoted)	30 No.	
6	GI/ MS items (EMD amount ` 5,000/- for item (i)- (xii) or any one of these		
i)	M.S. angle of different sizes. Rates per kg should be quoted	2000 kg	
ii)	M.S. flat of different sizes. Rates per kg should be quoted	500 kg	
iii)	M. S. sheet, 8' x 4' size, 16 guage. Rate per number should be quoted	3 Nos	
iv)	M. S. sheet, 8' x 4' size, 18 guage. Rate per number should be quoted	3 Nos	
v)	M.S. bar, 6 mm to 12 mm sizes. Rates per kg should be quoted	300 kg	
vi)	'B' Class, ISI mark ½'' G.I. Pipe, Rates per running feet should be quoted	500 ft.	
vii)	'B' Class, ISI mark 1'' G.I. Pipe, Rates per running feet should be quoted	500 ft.	
viii)	'B' Class, ISI mark 1'' M.S. Pipe, Rates per running feet should be quoted	500 ft.	
ix)	'B' Class, ISI mark 1½'' M.S. Pipe, Rates per running feet should be quoted	300 ft.	
x)	'B' Class, ISI mark 2'' M.S. Pipe, Rates per running feet should be quoted	200 ft.	
xi)	Galvenized chain link having 4 mm thickness, 2''x 2'' mesh, with 5 ft width Rates per running feet should be quoted	1000 ft.	
xii)	M.S. Nuts & Bolts of different sizes, Rates per kg should be quoted	50 kg	

7	Paints and Colour items (EMD amount ` 5,000/- for item (i)- (viii) or any one of these)		
i)	Asian Oil Paint, in different shades (4 liter packing) Rates per no should be quoted	5 Nos.	
ii)	Aspa Oil Paint, in different shades (4 liter packing) Rates per no should be quoted	3 Nos.	
iii)	Asian Wood Primer, in different shades (4 liter packing) Rates per no should be quoted	4 Nos.	
iv)	Asian Cement Primer, in different shades (4 liter packing) Rates per no should be quoted	4 Nos.	
v)	Tractor Brand Distemper, in different shades (4 liter packing) Rates per no should be quoted	4 Nos.	
vi)	Red oxide (Standard Quality) (4 liter packing) Rates per no should be quoted	3 Nos.	
vii)	Turpentine (Standard Quality) (5 litre packing) Rates per no should be quoted	4 Nos.	
viii)	Waterproof cement paint Snowchem/ Indochem/ Decochem (Standard Quality) 25 kg packing Rates per no should be quoted	4 Nos.	
8	Electrical cables and wires (EMD amount ` 10,000/- for item (i)- (xii) or any one of these)		
i)	Single core PVC insulated copper flexible wire 1 sq. mm, ISI grade, RR Kabel or Equivalent (Rates per 100 m should be quoted)	800 m	
ii)	Single core PVC insulated copper flexible wire 1.5 sq. mm, ISI grade, RR Kabel or Equivalent (Rates per 100 m should be quoted)	2500 m	
iii)	Single core PVC insulated copper flexible wire 2.5 sq. mm, ISI grade, RR Kabel or Equivalent (Rates per 100 m should be quoted)	4500 m	
iv)	Single core PVC insulated copper flexible wire 4 sq. mm I.S.I mark, RR Cable or Equivalent (Rates per 100 m should be quoted)	200 m	
v)	Single core PVC insulated copper flexible wire 10 sq. mm I.S.I mark, RR Cable or Equivalent (Rates per 100 m should be quoted)	500 m	
vi)	Four core PVC insulated copper flexible cable 1.5 sq. mm I.S.I mark, RR Cable or Equivalent (Rates per 100 m should be quoted)	300 m	
vii)	Four core PVC insulated copper flexible cable 2.5 sq. mm I.S.I mark, RR Cable or Equivalent (Rates per 100 m should be quoted)	300 m	
viii)	Four core PVC insulated copper flexible cable 4 sq. mm I.S.I mark, RR Cable or Equivalent (Rates per 100 m should be quoted)	200 m	
ix)	Four core PVC insulated armoured 10.0 mm ² copper cable, RR Cable or Equivalent (Rates per 100 m should be quoted)	500 m	

x)	Four core PVC insulated armoured 8.0 mm ² copper cable, RR Cable or Equivalent (Rates per 100 m should be quoted)	200 m	
xi)	Four core PVC insulated armoured 6.0 mm ² copper cable, RR Cable or Equivalent (Rates per 100 m should be quoted)	200 m	
xii)	ISI make PVC insulated flexible copper wire 24/20 (Rates per 100 m should be quoted)	500 m	
9	Electrical Switch-gears etc. (EMD amount ` 10,000/- for item (i)- (xiv) or any one of these)		
i)	4 pole MCB, 63 Amp, with PVC Cover (Legrand or Equivalent make)	60 Nos	
ii)	2 pole MCB, 63 Amp, with PVC Cover (Legrand or Equivalent make)	20 Nos	
iii)	2 pole MCB, 40 Amp, with PVC Cover (Legrand or Equivalent make)	20 Nos.	
iv)	1 pole MCB, 20 Amp, with PVC Cover (Legrand or Equivalent make)	10 Nos.	
v)	Modular switches, 15 Amp (Elley's or Equivalent make)	500 Nos.	
vi)	Modular switches, 5 Amp (Elley's or Equivalent make)	500 Nos	
vii)	Plug Socket, 15Amp (Elley's or Equivalent make)	900 Nos.	
viii)	Plug Socket, 5Amp (Elley's or Equivalent make)	250 Nos.	
ix)	Plug Top, three pin 15 Amp (Elley's or Equivalent make)	150 Nos.	
x)	Plug Top, three pin 5 Amp (Elley's or Equivalent make)	150 Nos.	
xi)	3 Module PVC Box with plate (Elley's or Equivalent make)	30 Nos.	
xii)	6 Module PVC Box with plate (Elley's or Equivalent make)	80 Nos.	
xiii)	8 Module PVC Box with plate (Elley's or Equivalent make)	30 Nos.	
xiv)	12 Module PVC Box with plate (Elley's or Equivalent make)	30 Nos.	
10.	Landscape Luminaries/ Garden lighting (EMD amount ` 5,000/- for item)		
	Crompton Greaves Make, (2×11W) CFPT Colona fitting, complete with 2 Nos 11W PL Tubes, 240V, 50Hz.	25 Nos.	
11.	Kota Stone (EMD amount ` 5,000/- for item)		
	Providing, laying and fixing of 600 mm x 600 mm size 25 mm thick even coloured polished kota stone slab in flooring laid on 20 mm (average) base C: M 1:3 (one cement: 3 coarse sand) and jointed with grey cement slurry including cutting of edges in right	2000 sq. ft.	

	angles manually by rubbing and polishing etc. (ghadai) complete in true line and level/ slope. Quote the rates per sq. ft.		
12.	Labour for CC Paver Block (EMD amount ` 3,000/- for item)		
	Removing of CC Paver block from existing site and re-fitting it to nearby site on 50 mm thick sand /stone dust and compacted with vibration compactor etc complete as directed.	2000 sq. ft.	
13.	Sand, Cement, Brick and Brick grits (EMD amount ` 5,000/- for item i) to iv) 5,000/-)		
i)	Cement Only fresh 53 grade O.P.C cement of the major plant confirming to IS 12269-1987, IS 4031-1988 part-I of the brand such as ACC, Elephant, Ambuja, Siddhi, Lotus, Ultra Tech, Binanni, Sanghi in polythene/paper bags only. Rates per bag of 50 kg should be quoted inclusive of transportation charges at our college.	100 bags	
ii)	Bricks The bricks shall be made of suitable clay and shall be thoroughly burnt at the maturing temperature of clay. They shall be free from cracks, flaws and nodules of free lime. They shall have rectangular face with sharp straight edge at right angle. They shall be of uniform colour and texture. These bricks generally should conform to IS 2222. Rates should be quoted inclusive of transportation charges at our college	10,000 Nos.	
iii)	Sand Good quality sand (sankheda) as per IS 383-1970. Rates per tonne should be quoted inclusive of transportation charges at our college	20 tonnes	
iv)	Brick grits Good quality, fresh new brick grits along with transportation in tractor/ dumper at our college. Rates per brass should be quoted	18 brass	
14.	Garden soil (EMD amount ` 2,500/- for item)		
	Good quality garden soil along with transportation in tractor/ dumper at our college. Rates per brass should be quoted.	500 brass	
15.	Granite (EMD amount ` 2,500/- for item)		
	Black jet polished Granite slabs of 17 ± 1 mm thickness of required sizes fitting on lab tables. The rates should be inclusive of cutting, moulding, and cleaning of granite slabs. Rates per sq. ft. should be quoted.	300 sq. ft.	
16.	S. S. Laboratory fixtures (EMD amount ` 10,000/- for item)		

	<p>Modular laboratory fixtures including pedestal frame structure, under bench storage module, work top, sink, water/gas valves etc. All the components shall be fabricated from AISI-304 stainless steel material of appropriate thickness minimum 16 gauge and reinforcements to obtain a stable, rigid and sturdy laboratory work station. All the surfaces are precisely finished, leveled and polished. All the shutters and the drawer-fronts are in the same plane. All the modules be interconnected with fasteners. The drawers/shutters be dust resistant, noiseless working, self-closing type. The leveling screws covered for good aesthetics be provided at bottom of tubular legs. The sink, drip cups, water tap, etc be as per ISI approved design and construction and complete in all respect. The rate should be included with materials & complete installation at our laboratory (Quote rate per sq. ft. of metal top)</p>	200 sq. ft.	
17.	M. S. Laboratory fixtures (EMD amount ` 10,000/- for item)		
	<p>Metallic work bench of desired length and width consisting of pedestal/flexible frame assembly, under bench storage modules having two shutters and one drawer. The bench top will be of black jet Granite of 17 ± 1 mm thickness. The work fixture will be fabricated from virgin CRCA sheet. The furniture will be epoxy powder coated and with proper chemical treatment. All the joints will be sealed with silicon. The rate should be included with materials & complete installation at our laboratory (Quote rate per sq. ft. of metal top)</p>	300 sq. ft.	
18.	Class Room Chairs (EMD amount ` 5,000/- for item i) and ii)		
i)	<p>Class Room Chair Chair completely made up from 16 gauge, 18mm diameter CRC tubular section with anti-rusting treatment and double chrome plating. Back rest and seating structure should be made from hot pressed single band ply of 12 mm. Chair contains stainless steel wire frame folding bag stand. The student writing tablet should be foldable with sturdy rotatable joint fixed to the main frame of the chair and made from hot pressed single band ply of 12 mm with minimum width of 300 mm, supporting on both arms. The sample should be exactly same as per our existing class room chairs. The rate should be quoted per no.</p>	50 Nos.	
ii)	<p>Class Room Chair With Cushion As above but with good quality high density cushion</p>	50 Nos.	

	both on back seat and covered with desired quality upholstery. The sample should be exactly same as per our existing class room chairs. The rate should be quoted per no.		
19.	CCTV camera system with wiring (EMD amount ` 10,000/- for items A to G or any one of these)		
A	<p>16 Channel Stand Alone DVR 1080p Real Time Preview, H.264 dual-stream video compression, All channel 720P, HDMI / VGA/BNC simultaneous video output, GRID interface & smart search, Support 2 SATA HDD up to 8TB, 2 USB2.0, Multiple Network Monitoring. Operating System: Embedded Linux, Two Way Talk, Interface: 1 HDMI, 1 VGA,1 BNC. Resolution : 1920×1080, 1280×1024, 1280×720, 1024×768, 800×600 Piracy Masking : 4 rectangular zones (each camera) OSD : Camera title, Time, Video loss, Camera lock, Motion detection, Recording. Video/Audio Compression : H.264 / G.711 Recording :- Main Stream:720P/960H/D1/HD1/2CIF/CIF (1~25/30fps) Extra Stream : CIF/QCIF(1~25/30fps) Bit Rate : 8~6144Kb/s Record Mode : Manual, Schedule, Regular , Continuous, MD, Stop Video Detection & Alarm Trigger Events : Recording, PTZ, Tour, Video Push, Email, FTP, Spot, Buzzer & Screen tips Video Detection : Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank Alarm Input : 16 Playback & Backup Sync Playback : ¼/8/16 Search Mode : Time/Date, MD & Exact search (accurate to second) Playback Function : Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom Backup Mode : USB Device / Network Network Ethernet : RJ-45 port (10/100M/1000M) Network Functions : http, Ipv4/Ipv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter Max. User Access : 128 Smart Phone : iPhone, iPad, Android, Windows Phone</p>	01 No.	

	<p>Storage : 2 SATA port, up to 8TB</p> <p>Auxiliary Interface</p> <p>USB Interface : 2 ports(1 Rear), USB2.0</p> <p>RS232 : 1 port, For PC communication & Keyboard</p> <p>RS485 : 1 port, For PTZ control</p> <p>Power Supply : DC12V/5A</p> <p>Power Consumption : 15W(without HDD)</p> <p>Working Environment : -10 ~+55°C / 10~90%RH / 86~106kpa</p>		
B	<p>8 Channel Stand Alone DVR</p> <p>1080p Real Time Preview, H.264 dual-stream video compression, All channel 720P, HDMI / VGA/BNC simultaneous video output, GRID interface & smart search, Support 2 SATA HDD up to 8TB, 2 USB2.0, Multiple Network Monitoring.</p> <p>Operating System: Embedded Linux, Two Way Talk, Interface: 1 HDMI, 1 VGA,1 BNC.</p> <p>Resolution : 1920×1080, 1280×1024, 1280×720, 1024×768, 800×600</p> <p>Piracy Masking : 4 rectangular zones (each camera)</p> <p>OSD: Camera title, Time, Video loss, Camera lock, Motion detection, Recording.</p> <p>Video/Audio Compression: H.264 / G.711</p> <p>Recording:</p> <p>Main Stream: 720P/960H/D1/HD1/2CIF/CIF (1~25/30fps)</p> <p>Extra Stream : CIF/QCIF(1~25/30fps)</p> <p>Bit Rate : 8~6144Kb/s</p> <p>Record Mode: Manual, Schedule, Regular, Continuous, MD, Stop</p> <p>Video Detection & Alarm</p> <p>Trigger Events : Recording, PTZ, Tour, Video Push, Email, FTP, Spot, Buzzer & Screen tips</p> <p>Video Detection : Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank</p> <p>Alarm Input : 16</p> <p>Playback & Backup</p> <p>Sync Playback : ¼/8</p> <p>Search Mode : Time/Date, MD & Exact search (accurate to second)</p> <p>Playback Function : Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom</p> <p>Backup Mode : USB Device / Network</p> <p>Network</p> <p>Ethernet: RJ-45 port (10/100M/1000M)</p> <p>Network Functions: http, Ipv4/Ipv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter</p>	02 Nos	

	<p>Max. User Access: 128 Smart Phone : iPhone, iPad, Android, Windows Phone Storage : 2 SATA port, up to 8TB Auxiliary Interface USB Interface : 2 ports(1 Rear), USB2.0 RS232 : 1 port, For PC communication & Keyboard RS485 : 1 port, For PTZ control Power Supply : DC12V/5A Power Consumption : 15W(without HDD) Working Environment : -10 ~+55°C / 10~90%RH / 86~106kpa</p>		
C	<p>Analog HD Dome Camera Range : 20 Mtrs IR 1 Megapixel CMOS (1/2.9"), 25/30fps@720P, High speed, long distance real-time transmission, Day/Night(ICR), AWB, AGC, BLC, 3.6mm fixed lens (2.8mm, 6mm, 8mm optional), Max. IR LEDs length 20m, Smart IR, DC12V. Effective Pixels : 1280(H) x720(V) Electronic Shutter : 1/50s~1/100,000s Video Frame Rate : 720P@25 fps / 720P@30 fps Min. Illumination : 0.01Lux@F1.2(AGC ON),0Lux IR Video Output : 1-channel BNC high definition video output Power Supply : DC12V±10% Working Environment : -30°C~+60°C / Less than 95%RH (no condensation) Transmission Distance : Over 500m via 75-3 coaxial cable Day/Night : Auto(ICR) / Color / B/W Power Consumption : Max 2.5W</p>	14 Nos.	
D	<p>Analog HD Bullet Camera Range : 20 Mtrs IR 1 Megapixel CMOS (1/2.9"), 25/30fps@720P, High speed, long distance real-time transmission, Day/Night(ICR), AWB, AGC, BLC, 6.0mm fixed lens (2.8mm, 8mm optional), Max. IR LEDs length 20m, Smart IR, DC12V. Effective Pixels : 1280(H) x720(V) Electronic Shutter : 1/50s~1/100,000s Video Frame Rate : 720P@25 fps / 720P@30 fps Ingress Protection : IP66 Min. Illumination : 0.01Lux@F1.2(AGC ON),0Lux IR Video Output : 1-channel BNC high definition video output Power Supply : DC12V±10% Working Environment : -30°C~+60°C / Less than</p>	2 Nos.	

	<p>95%RH (no condensation) Transmission Distance : Over 500m via 75-3 coaxial cable Day/Night : Auto(ICR)/B&W/Color Power Consumption : Max 2.5W</p>		
E	<p>Analog HD Bullet Camera Range : 50 Mtrs IR 1.3 Megapixel CMOS (1/3),High speed, long distance real-time transmission, Day/Night(ICR), AWB, AGC, BLC, 8.0mm fixed lens (3.6 mm, 6mm, 12mm, 16mm optional), Max. IR LEDs length 50m, Smart IR , Smart IR, DC12V. Effective Pixels : 1280(H)×960(V) Electronic Shutter : 4/25s~1/45,000s Video Frame Rate : 1280×720@25 fps ; 1280×720@30 fps ; 1280×720@50 fps ; 1280×720@60 fps Ingress Protection : IP66 Min. Illumination : 0.01Lux@F1.2(AGC ON), 0Lux IR Video Output : 1-channel BNC high definition video output Power Supply : DC12V±10% Working Environment : -30°C~+60°C / Less than 95%RH (no condensation) Transmission Distance : Over 500m via 75-3 coaxial cable Day/Night : Auto(ICR)/B&W/Color Power Consumption : Max 2.5W</p>	8 Nos.	
F	<p>Power supply 1 Supply For 16 Cameras 2 Supply For 8 Cameras 2 TB Hard Disk HDD Type : Surveillance</p> <p>BNC Pins 48 Nos. RC Pins 48 No.</p>	1 set	
G	CCTV installation, cabling, casing, capping and laying charges Quote rates per meter		
20.	Internet Cabling (EMD amount ` 10,000/- for items A to L or any one of these)		
A	D Link IO with Junction Box, Cat 6 Keystone and Face Plate	01 No.	
B	24 Port D Link Cat 6 Patch Panel (Fully Loaded)	01 No.	
C	16 Port D Link Cat 6 Patch Panel (Fully Loaded)	01 No.	
D	24 Port Manageable Switch	01 No.	
E	16 Port Manageable Switch	01 No.	
F	RJ 11 Keystone, Junction Box and Face Plate	20 No.	

G	9U Rack , 2 No's Fan, 01 NosCable Manager, Power Strip, Wall Mounting Accessories etc along with its installation charges	01 set	
H	18U Rack, 4 No's Fan, 2 Full Tray, 8 Port Power Strip	01	
I	Fiber Optic Convertor + Splicing	02 Set	
J	D Link Cat 6E Cable with IO fitting, Casing Capping. (Quote Rates per meter inclusive of cable laying charges)	1000 m	
K	Fiber Optic Cable with piping. Quote Rates per meter inclusive of cable laying charges)	100 m	
L	Cat 5 D Link Cable with Casing Capping (Quote Rates per meter inclusive of cable laying charges)	500 m	
21	Drawing Board with stand (EMD amount Rs 5,000/)	50 nos	
	<p>It should be made up of light weight well seasoned soft wood such as pine, oak etc. about 25mm thick. It is air seasoned to minimize bending and thoroughly polished to give extra smooth surface. Size: 700mm X 500mm X 25mm</p> <p>The stand should be manufactured from quality raw material with cast iron base. The rigid stable structure made of M.S. pipe with powder coating having adjustment of height and angle. Size: 30 X 42 inch</p> <p>The price should be quoted for each set of drawing board.</p>		
22	Lawn for the College (EMD amount ` 10,000/-)		
	<p>Development of lawn by micro-levelling, shaping, dressing, making mounts as per design and then planting of semi carpet healthy lawn grass nodes of approved variety in rows at specified distance. The work includes establishment of good lawn, regular watering, weeding, moving, gap filling, cutting etc. with complete successful maintenance for one year after plantation.</p> <p>The rates should be inclusive of supply of all kinds of materials, digging/ ploughing/cultivation, tools, carriages, removal of stones if any. The work includes overall development of a good landscaping as per our design. Only required soil will be supplied by us at a single place. Irrigation network through bubblers have already been established. Hence water and electricity will be supplied by us. Adequate number of skilled persons (minimum two) to be engaged daily for watering, weeding, cutting, moving, etc. Performance guarantee equal to the 5%</p>	1,20,000 sq ft	

	of the order value in terms of FDR in favour of AAU Fund Account will have to be deposited to us before getting the work order.		
23	Plantation for the college (EMD amount Rs 15, 000/-)		
	<p>Supplying and planting trees/palms/ shrubs, small plants and ground covering of approved species/ variety as given below complete with forming pits of about 900 x 900 x 900 mm for trees and 300 x 300 x 300 mm for shrubs, sub plotting for small plants and ground covering, refilling, design, planting, watering, weeding, gap filling, cutting, canopy shaping, etc., with complete successful maintenance for one year after plantation. All the plantation should be fresh, healthy, grown up. The minimum height for trees and shrubs be 2.0 m and 1.2 m respectively. The small plants should have average height of about 0.6 m, while that of ground covering be about 0.2 m.</p> <p>The rates should be inclusive of supply of all kinds of materials, digging/ ploughing/cultivation, trenching, basins, sub-ploting, tools, carriages, removal of stones if any. The work includes overall development of a good landscaping as per our design. Only required soil will be supplied by us at a single place. Irrigation network through bubblers have already been established. Hence water and electricity will be supplied by us. Adequate number of skilled persons (minimum two) to be engaged daily for watering, weeding, cutting, canopy shaping moving, etc. Performance guarantee equal to the 5% of the order value in terms of FDR in favour of AAU Fund Account will have to be deposited to us before getting the work order.</p>		
	Trees		
	i) Bismarkia (palm)	2 Nos.	
	ii) Garmalo	2 Nos.	
	iii) Gulmohor	2 Nos.	
	iv) Kesia	2 Nos.	
	v) Kesudo	2 Nos.	
	vi) Kunchnar	2 Nos.	
	vii) Lejastromia	2 Nos.	
	viii) Spethodia	2 Nos.	

Shrubs/ small plants		
i)	Acalipha (tricolour)	330 Nos.
ii)	Ficus (gold) (big)	22 Nos.
iii)	Alamenda (blue)	60 Nos.
iv)	Alamenda creeper(varigated)	60 Nos.
v)	Alemenda (yellow)	160 Nos.
vi)	Areliya (marble)	70 Nos.
vii)	Areliya (white)	70 Nos.
viii)	Astechia	30 Nos.
ix)	Bhaji (gold)	540 Nos.
x)	Bhaji (tricolour)	60 Nos.
xi)	Chinese tagar	140 Nos.
xii)	Erithium (gold)	70 Nos.
xiii)	Euforbia Kachkana	14 Nos.
xiv)	Ficus (black)	12 Nos.
xv)	Ficus (gold) (small)	320 Nos.
xvi)	Ficus starlight	4 Nos.
xvii)	Fountain grass (red)	235 Nos.
xviii)	Fountain grass (white)	168 Nos.
xix)	Galphenia	300 Nos.
xx)	Gulmehndi (p)	12 Nos.
xxi)	Gulmehndi (w)	18 Nos.
xxii)	Hemilia	60 Nos.
xxiii)	Iczora (h) (o)	290 Nos.
xxiv)	Iczora (h) (r)	320 Nos.
xxv)	Jetropha (h)	100 Nos.
xxvi)	Karen (p)	70 Nos.
xxvii)	Karen (w)	160 Nos.
xxviii)	Madhu Kamini	40 Nos.
xxix)	Mehndi (b)	4040 Nos.
xxx)	Mehndi (r)	180 Nos.
xxxi)	Mery	100 Nos.
xxxii)	Night King	20 Nos.
xxxiii)	Night queen	20 Nos.
xxxiv)	Nikadiya	84 Nos.
xxxv)	Panda	120 Nos.

xxxvi)	Plumeria pudica	39 Nos.
xxxvii)	Portuleka(p)	80 Nos.
xxxviii)	Portuleka(p)	80 Nos.
xxxix)	Portuleka(w)	80 Nos.
xxxx)	Portuleka(y)	80 Nos.
xxxxi)	Red Jasud (d)	90 Nos.
xxxii)	Ruheliya (B)	280 Nos.
xxxxiii)	Ruheliya (Pink)	280 Nos.
xxxxiv)	Spider lily	1000 Nos.
xxxxv)	Stachytarpheta indica (torpido)	392 Nos.
xxxxvi)	Thaspecia (draft)	80 Nos.
xxxxvii)	Thaspecia (desi)	3 Nos.
xxxxviii)	Tricoma (gaudi chaudi)	11 Nos.
xxxxix)	Verbena (blue)	120 Nos.
xxxxx)	Verbena (pink)	120 Nos.
xxxxxi)	Verbena (white)	120 Nos.
xxxxxii)	White tagar	320 Nos.