



**College of Food Processing Technology & BioEnergy
Anand Agricultural University, Anand
Short Tender Notice**

Sealed quotations are invited for purchase of the different items: Centralized AC system, MS items and corrugated GI sheets, Gypsum false ceiling, Sun control film, Paver blocks, Sole cleaning system, Shoe wrapping system, LED light panels, Miscellaneous tool kits, Thermocouples, Exhausting unit, Pest control treatment, Grocery items, 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: **February 21, 2017**, and last date for receipt of filled tenders: **February, 27, 2017**, 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 receipt of tender at this office through RPAD/Speed Post

February 27, 2017

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 otherwise 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 2016-17 i.e. upto March 31, 2017.
3. Being an educational institution we are eligible for exemption of excise and custom 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. 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 February 27, 2017.**
12. Please super scribe the envelope, "**Rates for Various items for College of FPTBE**" and mention clearly senders' name and address.
13. The successful vendor has to submit **Security deposit @ 5 %** of the value of purchase order in the form of DD. On receipt of security deposit only, the purchase/work order will be released. On not submitting of security deposit in time, the EMD will be forfeited.
14. 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 of law.
15. 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.	Specifications	Quantity	EMD (Rs.)	Quoted Rates
1	Gypsum Ceiling	2700 sq. ft.	10,000/-	
1	Providing and fixing ceiling of 9mm thick x 600mm x 600mm vinyl laminated mpl gypsum panel, having moisture resistant, fire protection qualities. The vinyl foil area classified as class "2" in the flame spread test in accordance to British standard 476 part 7:1971, Thermal resistance r: 0.41 m2kw, thermal conductivity-k value= 0.16w/mk, rated non-combustible and 0 rated for smoke and toxic fume emission, nor-carcinogenic, non-supportive bacteria or other microorganism. Frame work: Fixing as lay in finish in T-grid system, T-channel should be fixed with inter-locking system and channel should be powder coated. Strap hangers, perimeter channels, intermediate channels, ceiling profile channels, connecting clips, soffit cleats, "L" section, etc., of required length, hanger straps to be fixed at 600 mm x 600 mm centre to centre, into R.C.C. slab, anchored 25 mm deep into the concrete of the ceiling. The frame work to be fixed with hanger straps using nuts and bolts and screws, in line, level & slope for flat and curved surfaces as per design & details or as directed, including testing by hanging specified weights at specified points, pulling down with jerky movements, etc. complete. Channel exposed edges ground extremely smooth with hand or grinding machine. Cleaning the finished floor walls ceilings, etc. to their original good condition, complete in all respect. (Rate should be quoted per sq ft)			
2	Sun Control Film		5,000/-	
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.	1000 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.	1000 sq. ft.		
iii)	Acrylic Letters Providing and fixing alphabets of size 20" x 12" x 2" in bold white acrylic letters as per our write-up. The letters should be individually fitted on the aluminum composite panel as The rates to be quoted per letter without aluminum composite panel but complete with its fitting at the site. The rate should be quoted per no.	50 Nos.		

3	Paver blocks		5,000/-	
	Interlockable paver blocks: 60 mm thick made with M 25 grade material having high load bearing capacity at least 60 N/ mm ² . Its size, shape and colour should match with our existing paver blocks.	50,000 Nos.		
4	Centralized AC System	1 set	15,000/-	
	<p>Supply of air-conditioning system complete with indoor & outdoor units with individual corded controller as per the following capacities of the IDU and ODU. The outdoor ambient temperature range to be considered shall be 40 deg centigrade. Any derating of the compressor has to be considered if any. (Make:- Carrier-Midea, Daikin, Mitshubishi, Trane, O-genaral). It should be complete with following:</p> <p>a) Indoor Unit with compact cooling coil, expansion valve and multispeed fan motor, The blower shall be dynamically balanced and designed for silent operation, the filters shall be synthetic washable media type arranged for convenient cleaning and replacement, drain pump.</p> <p>b) Outdoor Units Modular type outdoor units complete with Rotory or Scroll compressors, condenser coils, fans, microprocessor controller, etc.</p> <p>c) Ductable Units: of following capacities 8.5 TR 2 Nos. 5.5 TR 1 Nos.</p>			
5	Installation, commissioning and testing of Centralized AC System	1 set	15,000/-	
	<p>Installation, testing and commissioning of air cooled DUCTABLE System with indoor and outdoor units including the electrical cabling and control cabling, the transport and lifting as per site conditions.</p> <p>a) Refrigerant Piping and Insulation for Ductable System- Supply, installation, testing & commissioning of set of refrigerant pipes, with refrigerant gas for the DX system pipes fitting, control cables. The pipes are to be supported from G.I. angels/ flats supports. Entire set of piping to be insulated with Armaflex nitrile rubber (tubular section) (30 running feet / each Machine) approximately 350 running feet.</p> <p>b) Drain Piping and Pipe Insulation Supply, installation, testing & commissioning of drain piping shall be made out of rigid CPVC pipes. The piping shall be supported by clamping on proper support. The piping shall be insulated with 9mm</p>			

	<p>thick insulation. MAKE : SUPREME / DUTRON /PRINCE with following pipe diameter: 1½ " 100 running feet (approx.) 1" 50 running feet (approx.)</p> <p>c) Supply, fabrication and installation of MS fabricated stand for VRF, frame work for copper piping complete with epoxy painting, vibration isolation pads, supports, hangers, brackets etc. as approved with 2 coats of primer + poxy (for outdoor installation) primer + black paint(for indoor installation) 3 Nos.</p> <p>d) Supplying & erecting GI sheet metal complete with all accessories viz. Anchor fastener, black painted, MS angle / rod support, expandable polyethylene gasket galvanized hardware , double canvass connection with 6 inch long zip. Ducting with various gauges mentioned as below used as per IS 655. Make : Jindal / Tata / Essar 24 Gauge 1500 sq ft 22 Guage 900 sq ft</p> <p>e) Duct Insulation 1. Acoustic insulation with 25mm thick rigid glass wool, Perforated Sheet, (actual measurement as per duct surface area) Make : Kflex, Twiga, UPtwiga 600 sq ft</p> <p>2. Thermal Insulation of duct with 13mm thick Class "O" Nitrile Insulation, Make:- Kflex, Aflex, Armacell 2300 sq ft</p> <p>f) Dampers 1. Supply, installation, testing of supply air diffuser with volume controlled dampers Make: dynamic, radical, system air, caryaire 15 sq ft</p> <p>2. Supply, installation, testing of return air linear grills with volume controlled dampers Make: Dynamic, Radical, System air, Caryaire 30 sq ft</p> <p>g) Fire Retardant Canvass Connection 3 Nos. k) Fresh Air Cowl with Bird Screen 2Nos.</p> <p>h) S.I.T.C. of control cable (Make: Finolex / Polycab/ RR/ Havells) from IDU TO ODU 150 running ft</p> <p>The installation and commissioning should be complete inclusive of the above required materials. The requirement mentioned above are for indicative purpose. It may increase or decrease. For any query, the site at College of FPTBE can be visited.</p>			
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6	M S Items and Corrugated GI Sheets		5,000/-	
i)	M.S. angle of different sizes. Rates per kg should be quoted.	2500 Kg		
ii)	M.S. flat of different sizes. Rates per kg should be quoted.	1000 kg		
ii)	16'X4' size, 0.5 mm thickness Galvanized corrugated, high tensile steel coated roof sheet of standard brand preferably tata or equivalent. Quote rate per No.	100 Nos.		
7	Pest Control		5,000/-	
	Pest control treatment inclusive of good quality pesticides along with labour at College of FPTBE (Quote rates per sq. ft.)	50000 sq. ft.		
8	Shoe Cover Dispensing Machine	2 set	5,000/-	
	Automatic shoe cover dispensing machine suitable for dispensing of high finish shoe cover. It should be sturdy and complete with all set of accessories and installation. At least 1,000 sets of shoe covers should be also provided as spares with the machine.			
9	Sole Cleaning Machine	1 set	5,000/-	
	It should be able to remove dust and dirt from the sole of the shoe with brushing action and water upto 99% and should have following specifications: <ul style="list-style-type: none"> • Rotating speed of brush 10 m/min • Noise <60 db • Auto sensor and drain system It should be complete with all accessories and installation.			
10	Exhausting Unit	1 set	5,000/-	
	Providing and installing of ducted wall mounted fume exhaust unit made of SS 304 suction hopper fitted with SS grill and oil traps and connected with GI powder coated ducting fitted with adequate size blower and chimney. The blower should be of adequate capacity with motor and starter and it should be fixed outside the laboratory with appropriate size chimney. The suction should be sufficient enough to avoid any fumes, smokes, vapours etc. from the entire area. For any query, the site at College of FPTBE can be visited.			
11	LED Light Panels	30 Nos	10,000/-	
	LED Panels Lights with following specifications Input Power: 45W, Input Voltage: 90-300V AC - 50Hz Color Temperature: 4000 K - 6500K Size: 2" X 2" Power Factor: More than 0.95, Lumens:3600, Finish: Powder Coating			

	Frame: Extrude Aluminium Frame, operating Temperature: (-20 deg to +60 deg centigrade) Long life span (50,000 hrs.) Eco-friendly and energy saving No UV / IR radiation			
12	Miscellaneous Tool Kit		1,000/-	
	Tool kit consisting of: Screw driver set, nose plier, mini screw driver set, Plier, soldering iron (25 W), soldering wire (50 g), desoldering pump, wire stripper and cutter, LN Key set conforming to IS 3082-1988	10 set		
13	Thermocouples		2,500/-	
i)	Pt – 100, Simplex, 3 wire, As per DIN 43760 Class “B”, S S 316, Sheath Dia - 03 mm, Sheath length-10 cm (100 mm), By 500 mm long Teflon Insulated Leads	05 Nos.		
ii)	Pt – 100, Simplex, 3 wire, As per DIN 43760 Class “B”, S S 316, Sheath Dia - 05 mm, Sheath length-30 cm (300 mm), By 500 mm long Teflon Insulated Leads	05 Nos.		
iii)	Pt – 100, Simplex, 3 wire, As per DIN 43760 Class “B”, S 316, Sheath Dia - 05 mm, Sheath length-13.6 cm (136 mm), By 500 mm long Teflon Insulated Leads	05 Nos.		
iv)	Type T (Cu/Cu-Ni), Simplex, As per ANSI-MC-96.1, S S 316 Sheath Dia- 2 mm, Sheath length- 15 cm, By, 500 mm long PTFE grade Leads	05 Nos.		
14	Grocery Items		2,500/-	
i)	Corn flour (FSSAI approved) Quote rate per 100 kg or mention rate with standard pack size	500 kg		
ii)	Rice Flour (FSSAI approved) Quote rate per 100 kg or mention rate with standard pack size	500 kg		
iii)	Bengal gram flour (FSSAI approved) Quote rate per 100 kg or mention rate with standard pack size	500 kg		
iv)	Wheat flour (FSSAI approved) Quote rate per 100 kg or mention rate with standard pack size	500 kg		
v)	Ground sugar (FSSAI approved) Quote rate per 100 kg or mention rate with standard pack size	500 kg		
vi)	Cocoa powder (FSSAI approved) Quote rate per 5kg or mention rate with standard pack size	50 kg		
vii)	Iodized salt (FSSAI approved) Quote rate per 5kg or mention rate with standard pack size	50 kg		
viii)	Milk powder (FSSAI approved) Quote rate per 5kg or mention rate with standard pack size	50 kg		

ix)	Palmolein oil (FSSAI approved) Quote rate per 15 kg or mention rate with standard pack size	500 kg		
x)	Cotton seed oil (FSSAI approved) Quote rate per 15 kg or mention rate with standard pack size	500 kg		
xi)	Pepper powder (FSSAI approved) Quote rate per kg or mention rate with standard pack size	50 kg		
xii)	Chilli powder (FSSAI approved) Quote rate per kg or mention rate with standard pack size	50 kg		
15	Table top oil ghani	1 set	5,000/-	
	Laboratory model table top electrical motor operated Ghani for oil extraction from different types of the edible oil seeds (such as Groundnut, Sesame, Mustard, Sunflower, Flaxseed etc.). Capacity: about 5 kg/h. Complete in all respect. Contact parts: SS 304. Fully automatic/ semi-automatic. The system should be complete in all respect.			
16	Laboratory screw oil expeller	1 set	5,000/-	
	Table top electrical motor operated screw type oil expeller should be able to crush different types of the edible oil seeds (such as Groundnut, Sesame, Mustard, Sunflower, Flax seed etc.) for efficient extraction of oil. Capacity: about 5 kg/h. Complete in all respect. Contact parts: SS 304. Fully automatic/ semi-automatic with adjustable chock distance. The system should be complete in all respect.			
17	Laboratory Hydraulic Oil Press Machine	1 set	3,000/-	
	Table top hydraulic oil press machine suitable for cold pressing of the edible oil seeds (such as Groundnut, Sesame, Mustard, Sunflower, Flax seed etc.). Capacity: 5 kg/hr approx. Working pressure controller: 30-50 MPa. Contact parts: SS 304. The system should be complete in all respect.			
18	Seed Roaster	1 set	5,000/-	
	Electrically operated seed roaster machine for roasting different types of seeds (such as Pumpkin seeds, Flaxseed, Sesame seed etc.). There should be uniform roasting on every seed. Capacity should be about 5 kg/h. The machine should be equipped with digital controller for drum rotation and a digital timer and an analog temperature controller. Machine should be fully automatic/ semi-automatic and should get temperature: up to 200°C. All contact parts should be of SS 304. The system should be complete in all respect.			
19	Auditorium Audio Systems		15,000/-	
(i)	3 Way Compact Line Array System - Power : 900W (Program) 1800W (Peak) - Impedance : 4 Ohms - Frequency Response : 60Hz-20KHz	06 Nos.		

	<ul style="list-style-type: none"> - Sensitivity : 96dB/1W/1M - Maximum Calculated SPL/1M : 122dB (Continuous) 128dB (Peak) - Directivity -6dB (H°×V°): 100°×20° - Customized Beyma HF drive : 1" Exit, 1.75" voice Coil - Customized Beyma LF drive : 2" Voice Coil - Crossover : 450Hz 2.2KHz passive - Finished : Touring Grade Emery Spraying - Connectors : 2x NEUTRIK NL4MP - Cabinet : High Density Russian birch plywood CNC made - Dimensions (WxHxD) : 590x236x436 mm - Light-weight customized Faital / Beyma ferrite drivers with high SPL and ultra low distortion (H3 distortion average <0.5%) - Passive 3 way crossover design for each frequency band handled by special driver, and decrease the mutual interaction between frequency on off-axis, which not only maximize the efficiency of the unit but also ensures good sound quality and dynamic effect - Advanced cooling system and very low power compression - Precisely adjustable angles between the different modules ensure Hi-Fidelity sound and impressive sound dynamics, whether stacked or suspended - Innovative PTVTM technology, with perfect combination of phase and waveguide technology, ensures even coverage and highly accurate dispersion angles - Multi-functional cabinet design and various accessories ensures flexibility from small to medium size applications - Rock solid humidity free birch plywood CNC made cabinet - The rate should be Inclusive of fitting & installation charges 			
(ii)	<p>Subwoofer</p> <ul style="list-style-type: none"> - Power : 700W (Program) 1200W (Peak) - Impedance : 8 Ohms - Frequency Response : 48Hz-20KHz - Sensitivity : 99dB/1W/1M - Maximum Calculated SPL/1M : 127.5dB (Continuous) 133.5dB (Peak) - Customized Beyma LF drive : 4" Voice Coil - Crossover : Activec - Finished : Touring Grade Emery Spraying - Connectors : 2x NEUTRIK NL4MP - Cabinet : High Density Russian birch plywood CNC made - Dimensions (WxHxD) : 590x524x601 mm - The rate should be Inclusive of fitting & installation charges 	2 Nos.		

(iii)	Flybar for Line Array	02 Nos.		
(iv)	Stage Monitor Speaker - 1200W Class D Power Module - Fanless Colling System - Frequency Response (-6dB) : 45Hz-20KHz - Sensitivity : 98dB/1W/1M - Maximum SPL/1M : 131 dB - Processor : 96 KHz Single sampling Frequency, 56-bit precision - Dimensions (WxHxD) : 358x633x326 mm - The rate should be Inclusive of fitting & installation charges	02 Nos.		
(v)	Power Amplifier - 1200 + 1200 W RMS @ 4 Ohms Power Amplifier - A-Guard Protection System : DC protection/Short Circuit Protection/Soft Start up/ Limiter Protection - Frequency Response : 20 Hz-20KHz (+- 5dB) - Damping Factor : >-500 - Rack Space : 2U - Class H+ Circuit Design Eliminates Cross Switching Distortion - The rate should be Inclusive of fitting & installation charges	03 Nos.		
(vi)	Audio Mixer Audio Mixer of minimum 10 Channels of sapphire EQ 3 band (1 band of swept mids),Dbx-limiters on inputs 2,lexicon effects ,single engine, USB Interface 2-in & 2-out 3 aux.60mm fad. The rate should be inclusive of fitting & installation charges at our site.	01 No		
20	Motorized Projection screen with Accessories		10,000/-	
(i)	Motorized projection screen of size: 14X10 ft of imported spring action pull down mechanism high gain material with Tribulor motor and cordless remote control. The rate should be inclusive of complete fitting and installation at our site.	01 No		
(ii)	Motorized projection screen of size: 16X9 ft of imported spring action pull down mechanism high gain material with Tribulor motor and cordless remote control. The rate should be inclusive of complete fitting and installation at our site.	01 No		
(iii)	Projector Accessories of Projector Heavy kit 12ft, HDMI CABLE 4K/2.0, IGH SPEED -30 meter, VGA Cable Gold /Copper – 30 meter, Video Coaxial Cable Copper - 30 meter, Power Cable Copper 2 sq mm - 30 meter	01 Set		