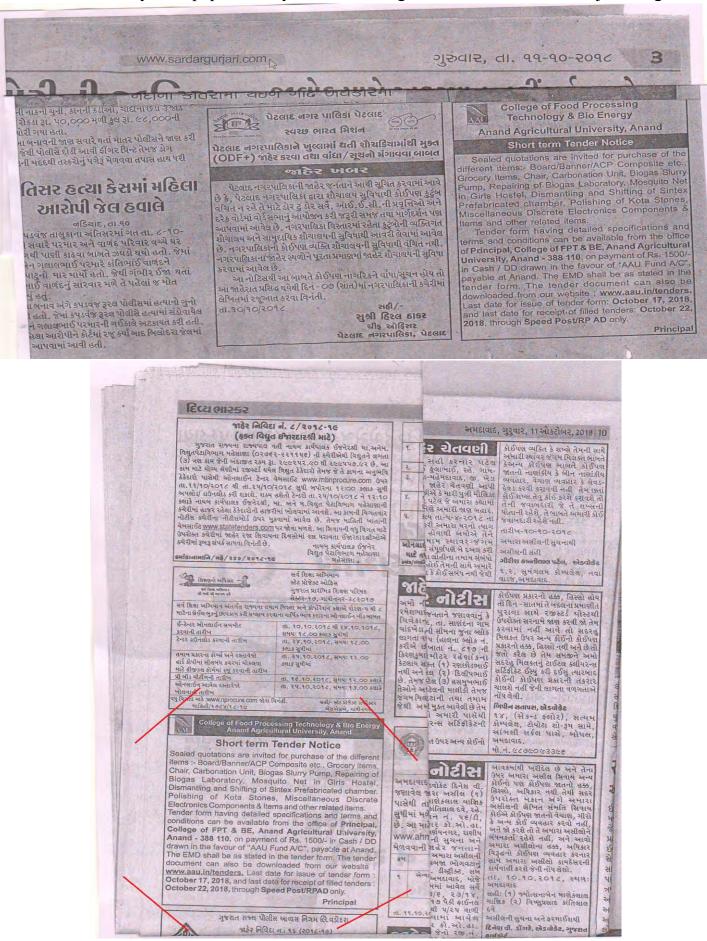
Short Term Tender Notice published for "Various items for College of FPT & BE" on dated 11/10/2018 in daily newspapers "Divya Bhasker" Page No. 10 and "Sardar Gurjari" Page no.3



अहेर निविहा नाः १५ (२०१८-१७)

For official use only

## Tender downloaded from Internet

#### SHORT TERM TENDER FORM

for

Various items for College of FPTBE

Last date of receipt of tender at this office through RPAD/Speed Post

#### **OCTOBER 22, 2018**

#### <u>NOTE</u>:

For the form downloaded from the internet payment of Rs. 1500/- by DD drawn in the favour of "AAU Fund A/C", payable at Anand should accompany this form <u>separately</u> 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.
- The rates quoted should be valid for the current financial year 2018-19 i.e. up to March 31, 2019.
- 3. Being an educational institution we are eligible for **concessional GST** .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 only <u>Demand Draft</u> 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. <u>Fixed Deposit Receipt (FDR) will not be accepted</u>.
- 10. The quantity mentioned in the tender is indicative and approximate only, it may vary.
- Duly filled tender forms in sealed envelopes through <u>**RPAD/Speed Post only</u>** should reach the office of the Principal, College of FPTBE, Anand Agricultural University, Anand 388 110 before 17.00 hr on **October 22, 2018.**</u>
- 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.)
1.	Board /Banner/ACP Composite etc.		15,000/-
i)	<b>Sun Control film</b> Providing and fixing ISI approved sun control film for windows with pasting and labour, as per our approval. Rates per sq. ft. should be quoted	150 Sq. Ft	
ii)	<b>Sun Control film (reflective)</b> Providing one side mirror ISI approved reflective sun control film for windows with pasting and labour. Rates per sq. ft. should be quoted.	150 Sq. Ft	
iii)	<b>Flex banner without frame</b> Preparation of digital multi colour banner on flex material without frame as per our requirement inclusive of design & all materials. Rates per Sq. ft. should be quoted.	500 Sq. ft.	
iv)	<b>Fitting charges</b> for above flex banners. 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.	100 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.	200 Sq. ft	
vii)	<b>Ecosolvent printing</b> 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.	
viii)	<b>Bold White Steel Letters</b> Providing and fixing alphabets of size 20" x 12" x 2" in bold white Steel letters as per our write-up. The letters should be individually fitted on the aluminium composite panel as above at the top of the building. The rates to be quoted per letter without aluminium composite panel but complete with its fitting at the site. The rate should be quoted per no.	120 Nos.	
ix)	<b>Foam Sheet</b> 5 mm thick Foam Sheet for vinyl printed poster pasting Rates per Sq. ft. should be quoted.	200 Sq. Ft	
x)	<b>Photo print</b> 2400 DPI's Photo print on 150 GSM photo paper Rates per sq. ft. should be quoted.	100 Sq. Ft.	

2.	Grocery Items (કરિયાણા ની વસ્તુઓ )		5,000/-
٩	મકાઇનો લોટ (FSSAI મુજબ) 20 કિલોગ્રામ પેક સાઈઝ પ્રમાણેનો ભાવ	૫૦૦ કિલો	
ર	ચોખાનો લોટ (FSSAI મુજબ) 20 કિલોગ્રામ પેક સાઈઝ પ્રમાણેનો ભાવ	૫૦૦ કિલો	
3	ચણાનો લોટ (FSSAI મુજબ) 50 કિલોગ્રામ પેક સાઈઝ પ્રમાણેનો ભાવ	૫૦૦ કિલો	
۲	ધઉંનો લોટ (FSSAI મુજબ) 20 કિલોગ્રામ પેક સાઈઝ પ્રમાણેનો ભાવ	૫૦૦ કિલો	
ղ	ખાંડ (FSSAI મુજબ) 20 કિલોગ્રામ પેક સાઈઝ પ્રમાણેનો ભાવ	૫૦૦ કિલો	
ç	દળેલી ખાંડ (FSSAI મુજબ) 20 કિલોગ્રામ પેક સાઈઝ પ્રમાણેનો ભાવ	૫૦૦ કિલો	
ٯ	કોકોઆ પાવડર (FSSAI મુજબ) 500 ગ્રામ પેક સાઈઝ પ્રમાણેનો ભાવ	૧૦ કિલો	
८	દૂધ પાવડર (FSSAI મુજબ) 500 ગ્રામ પેક સાઈઝ પ્રમાણેનો ભાવ	૧૦ કિલો	
Ŀ	પામોલીન ઓઇલ (FSSAI મુજબ) 15 કિલોગ્રામ પેક સાઈઝ પ્રમાણેનો ભાવ	૩૦૦ કિલો	
૧૦	મરચાનો પાવડર (FSSAI મુજબ) 1 કિલોગ્રામ પેક સાઈઝ પ્રમાણેનો ભાવ	૧૦ કિલો	
٩٩	સોયાનો લોટ (FSSAI મુજબ) 20 કિલોગ્રામ પેક સાઈઝ પ્રમાણેનો ભાવ	૧૦૦ કિલો	
٩२	સોડા (FSSAI મુજબ) 1 કિલોગ્રામ પેક સાઈઝ પ્રમાણેનો ભાવ	૧૦ કિલો	
٩3	અજમો (આખો) (FSSAI મુજબ) 1 કિલોગ્રામ પેક સાઈઝ પ્રમાણેનો ભાવ	૧૦ કિલો	
ঀ४	સંચર (FSSAI મુજબ) 1 કિલોગ્રામ પેક સાઈઝ પ્રમાણેનો ભાવ	૧૦ કિલો	
૧૫	હિંગ (FSSAI મુજબ) 1 કિલોગ્રામ પેક સાઈઝ પ્રમાણેનો ભાવ	૧૦ કિલો	
3.	Biogas Slurry Pump	1 Set	12,000/-
	Progressive cavity single screw pump with 20 m <sup>3</sup> /hour flow rate, positive displacement type, self-priming, non-clogging, direct drive type, base plate with coupling, horizontal mounting, suction / delivery size ISO100-4 inch (Flange), 5.0 m suction depth and 30.0 m total head with discharge pressure of 3.0 kg/cm <sup>2</sup> , 480 rpm pump speed coupled with 7.50 kW geared AC 3 phase electric motor, suitable for above specifications to lift discharge slurry of biogas plant from an underground tank. The system also should have a vertically driven slurry agitator fitted with a suitable gearbox to a 2.0 m long solid S S shaft having three S S blades (each 900 mm long) at the end of the shaft & at the middle of the shaft in zigzag manner operated at 80 rpm by suitable capacity 3 phase electric motor kept above top end of the shaft. The system should be complete with 3 phase DOL starters for both electric motors, all connections, piping etc. The bidder should offer one year warranty against any manufacturing defect and include a <b>nnual maintenance warranty with</b> two free maintenance services for trouble free operation. Price should include all testing, freight, insurance, packaging, forwarding, installation and Commissioning charges of the system, GST and FOR at AAU, Anand.		

4.	Carbonation Unit	1 Set	7,500/-
	<ul> <li>The system should be suitable for filling of liquid with incorporation of CO<sub>2</sub> into the bottle. It should consist of following <ul> <li>a) Carbonator system</li> <li>b) PET bottle filler with single head table model with counter pressure</li> <li>c) PET bottle capping machine motorised with suitable die</li> <li>d) Motorised syrup dosing machine with output variable from 50 ml to 300 ml</li> </ul> </li> <li>The system should be complete with liquid carbonation and filling with bottle capping, machine with filling head set, stand, CO<sub>2</sub> regulator, and other accessories required for its operation. The system to be supported with onsite training and demonstration on the said machine should be given.</li> </ul>		
5.	Mosquito Net in Girls Hostel	400 Sq. Ft.	7,000/-
	છોકરીઓની હોસ્ટેલનાં રૂમની બારીમાં ૩ ઈચ x ૧.૨૫ ઇંચની સાગ નાં લાકડાની ફ્રેમનાં શટર બનાવી ૧ ઇંચ x ૦.૭૫ ઇંચની અડધા રાઉન્ડની સાગ પટ્ટી લગાવી, ખોલીને ધોઈ શકાય તેવી કાટ પ્રતિકારક એસએસની મરછર જાડી પૂરી પાડી અને ફિટ કરવાનો પ્રતિ યો. કૂટ નો ભાવ. મરછર જાડીનાં ભાવમાં એસએસ ચકલી, એસએસ દેન્ડલ, એસએસ સ્કુ અને ખીલ્લી વગેરે તમામ સામગ્રી, ફ્રેબ્રિકેશન અને ફ્રિટિંગ નો સમાવેશ કરીને ભરવો. કોઇ પણ સંદેઠ માટે, એફ.પી.ટી. અને બી.ઇ. કોલેજ ની મ્યેત્રી હોસ્ટેલની સાઇટની મુલાકાત લઈ શકાય છે.		

6.	Repairing of Biogas Laboratory		7,000/-
	અત્રેની કોલેજ ખાતે આવેલ બાયો-એનર્જી પાર્કમાં નીચે પ્રમાણે કામ કરવાનું		
	રહેશે		
	અંદાજિત ૧૩૦ રનીંગ કૂટની ૪'' કોન્ક્રીટનો પાયો બનાવી, ૯" ની જાડી તથા		
	૪' ની ઉચાઇ ધરાવતી ઇંટની દિવાલ બનાવી ૨૦ મીમી નું ૧:૪ નુ અંદ૨-		
	બહાર પ્લાસ્ટર કરી આપવાનો તથા ૨૨૫ રનીંગ કૂટની ૪" કોન્કીટનો પાયો		
	બનાવી, ૯" ની જાડી તથા ૧' ની ઉચાઇ ધરાવતી ઇંટની દિવાલ બનાવી ૨૦		
	મીમી નું ૧:૪નુ અંદર-બહાર પ્લાસ્ટર કરી આપવાનો પ્રતિ રનીગ કૂટનો ભાવ		
	(નોધ : સિમેન્ટ ૫૩ ગ્રેડ નો અલ્ટ્રાટેક/અંબુજા કે અન્ય કોઈ સારી		
	ગુણવત્તાવાળો, સેવાલીયાની રેતી, A ક્લાસની ઈંટ તથા સારી ગુણવત્તાની		
	કપચી વાપરવાની રહેશે)		
7.	Chair	50 Chairs	10,000/-
	Godrej make chairs PCH 7003D or equivalent make and quality. The seat/back should be up of 1.2cm thick hot pressed plywood and upholstered with fabric and moulded Polyurethane foam together with moulded seat and back covers. MID BACK SIZE: 50.0cm (W) X 49.0 cm, (H) SEAT SIZE: 50.0cm (W) X 46.5cm. (D) The HR Polyurethane foam is moulded with density=45+/-2 kg/m <sup>3</sup> and hardness load 16±2 kgf as per IS: 7888 for 25% compression, The seat and back covers are injection moulded in black co-polymer polypropylene. Armrests made of black integral skin polyurethane with 50-70 Shore 'A' Hardness and reinforced with M.S. insert. The understructure is tubular frame cantilever type and made up of diameter 2.54 cm x 0.2cm thick MS ERW tube and black powder coated.(DFT 40-60 microns) .Quote Rate per no. of Chair.		
8.	Laboratory modular fixture	175 Sq. Ft	15,000/-
	Providing and fixing laboratory working fixtures of desire length and width as 750 mm and height as 900 mm with a top of A-grade white hard marble having $18\pm1$ mm thickness duly polished and moulded edges, levelled on 6 mm ply. The fixtures should be as specified below and <b>as per diagram – Fig 2.</b> Work bench should be knock-down type modular under bench steel cabinet having sturdy frame, panels, adjustable legs, cleanable smooth interior, one drawer (L 460 mm X W 650 mm and 150 mm H), two shutters having 500 mm H with lock and shelves fabricated using GMP of the scientific laboratory equipment from the SS 304 of minimum 1 mm thickness or SS 304 pipe of minimum 30 mm X 30 mm X 1.5 mm thickness. The module should be strong enough to bear load of 50 kg/ m <sup>2</sup> and be provide with strong brackets and stiffeners.		

	locks and handles of Godrej make, shelf support clips etc. The rate should be included with materials & complete installation at our laboratory. Quote rate per sq. ft. of marble top.		
9.	Lab working unit	80 Sq. Ft	10,000/-
	Providing and fixing laboratory working units of desired length and width as 750 mm and height as 900 mm with A- grade white hard marble having 18±1 mm thickness duly polished and moulded edges at top, middle and bottom (at about 200 mm high from ground level) and levelled on 6 mm ply. Module should have sturdy frame, panels, adjustable legs, suitable supports (at about 750 mm width-wise distance) fabricated using GMP of the scientific laboratory equipment from the SS 304 pipe of minimum 30 mm X 30 mm x 1.5 mm thickness of BIS grade and reputed make. The module should be strong enough to bear load of 1000 kg/ m <sup>2</sup> and be provide with strong brackets and stiffeners. The rate should be included with materials & complete installation at our laboratory. Quote rate per sq. ft. of marble top		
	600 Marble Marbl		

10.	Polishing of Kota Stones	7000 Sq. Ft	5,000/-
	Mirror polishing to existing Kota stone flooring approximate area of	-	,
	complete in all respect as per the instructions of EIC. In case of hand		
	polishing carborundum stones of medium grade (No. 80) and fine		
	grade (No. 120) shall be used for first and final polishing respectively.		
	The polished surface is then rubbed hard with oxalic acid sprinkled		
	with water and spread at the rate of 33 gm per square metre using pad		
	of woollen rags, also known as namdah block.		
	Note: (i) Unevenness at the meeting edges shall be removed by fine		
	chiselling		
	(ii) For any query, the site at College of FPTBE can be visited.		40.000/
11.	Dismantling and Shifting of Sintex Prefabricated chamber		10,000/-
	The SINTEX PUF panelled structure existing at the Biodiesel		
	Complex is to be dismantled and shifted to new site at the campus of the college of FPTBE. The details of the structures are as follows:		
	The SINTEX PUF panelled structure having size of		
	15.0X15.0X3.0meter mounted with the support of M.S. column, truss		
	/ portal truss, purlin, tie member etc. The sections are to be		
	dismantled, numbered/marked and transported to the new site.		
	The insulated walls are made of 0.35mm thick Pre coated		
	steel sheet Sandwich panels with PUF (Polyurethane foam). The total		
	thickness of panel is 40mm. The insulated Roof cladding has been		
	done with sandwich panels. Total thickness of roof panel is 30 mm. The door and window frames are made up of MS Folded section.		
	Each one meter wide PUF panel are to be dismantled,		
	numbered and arranged so that refitting is easy. Cost should be		
	inclusive of safe transportation of the structure to new site, and		
	staking as per the instructions.		
	Note: Care should be taken during dismantling and shifting that no		
	panels or other fittings are damaged. Any parts damaged during		
	dismantling and transporting will have to be replaced at your cost.		
	For any query, the site at College of FPTBE, AAU, Anand can be visited.		
12.	Miscellaneous Discrete Electronics Components & Items	1 Set	7500/-
	Quote Separate Rates for each category from (i)		
i)	Miscellaneous Electronics Components (Quote single rate for tota	( )	to (i) )
-)	(a) PN Junction Diodes:-	in neems of (u)	()))
	1) 1 N4007 (500 Nos. )		
	1) 1 N4007 (500 Nos.) 2) 1 N5408 (500 Nos.)		
	1)       1 N4007 (500 Nos.)         2)       1 N5408 (500 Nos.)         (b) Zener diodes		
	1)       1 N4007 (500 Nos.)         2)       1 N5408 (500 Nos.)         (b) Zener diodes       1)         1)       3.3 V(500 Nos.)		
	1)       1 N4007 (500 Nos.)         2)       1 N5408 (500 Nos.)         (b) Zener diodes       1)         1)       3.3 V(500 Nos.)         2)       5.1 V(500 Nos.)	As per Montioned	
	1)       1 N4007 (500 Nos.)         2)       1 N5408 (500 Nos.)         (b) Zener diodes       1)         3.3 V(500 Nos.)         2)       5.1 V(500 Nos.)         3)       9 V (500 Nos.)	As per Mentioned	
	1)       1 N4007 (500 Nos.)         2)       1 N5408 (500 Nos.)         3)       3 V(500 Nos.)         2)       5.1 V(500 Nos.)         3)       9 V (500 Nos.)         (c)       LEDs :-	-	
	1)       1 N4007 (500 Nos.)         2)       1 N5408 (500 Nos.)         2)       1 N5408 (500 Nos.)         3)       3 V (500 Nos.)         3)       9 V (500 Nos.)         (c)       LEDs :-         1)       Red, (200 Nos.)	-	
	1)       1 N4007 (500 Nos.)         2)       1 N5408 (500 Nos.)         2)       1 N5408 (500 Nos.)         3)       3 V(500 Nos.)         3)       9 V (500 Nos.)         3)       9 V (500 Nos.)         2)       5.1 Red, (200 Nos.)         2)       6 reen, (200 Nos.)	-	
	1)       1 N4007 (500 Nos.)         2)       1 N5408 (500 Nos.)         2)       1 N5408 (500 Nos.)         3)       3 V (500 Nos.)         3)       9 V (500 Nos.)         (c)       LEDs :-         1)       Red, (200 Nos.)	-	

	5) Orange ,( <b>200 Nos.</b> )		
1	6) Yellow, (200 Nos.)		
	7) Bicolor (200 Nos.)	-	
	(d) Transistors :-		
	1) BC 547 <b>(500Nos.)</b> ,		
	2) BC 548 (500Nos.),		
	3) SL 100 (100Nos.),		
	4) 2N 2222 (plastic) (100Nos.),		
	5) 2N 3904( <b>100Nos.</b> )		
(	(e) Laser Diode		
	a. Laser Diode with Housing ,Wire and Banana pin ( plug &		
	play) – RED (20 Nos.)		
	b. Laser Diode with Housing ,Wire and Banana pin ( plug &		
	play) – RED (20Nos.)	-	
	(f) <b>Resistances</b> <sup>1</sup> / <sub>4</sub> watt-1% CFR		
	10,22,47,56,100,220,470,560,1K,2.2K,4,7K,5.6K,10K,22K,47K, 56K,100K,220K,470 560K,1M,2m2,4M7,19M		
	(1000 Nos. of each value mentioned)		
	(g) Capacitors	-	
	10mfd,22mfd,47mfd,100mfd,220mfd,470mfd, 1000mfd , 100		
	pf,220pf,470pf,1000pf, 2200pf, 3300pf, 4700 pf,		
	100Kpf,220Kpf,470Kpf		
	(1000 Nos. of each value mentioned)		
	(h) Inductors		
	10uH, 47uH, 1mH, 10mH, 100mH , 220mH		
	(20 Nos. of each value mentioned)		
	(i) Potentiometers (metal body)		
	1K,5K,40K ,100K ,1 Mega ohms		
	(10 Nos. of each value mentioned)	-	
	(j) Jumper Wires (90 mtr. Coil) (10 Nos. )		
ii)	<b>Digital Electronics IC's</b>		
	7400,7402,7404,7408,7432,7473,7474,7486,7490,74245,74373,403	As per	
	3,4066,4051,4017 ( 10 Nos. of each IC)	Mentioned	
iii)	Voltage regulator IC's		
	7805,7809,7812,7905,7908,7912,LM 317 (20 Nos. of each IC)	As per	
-		Mentioned	
iv)	Optocoupler, Encoder, Decoder, IC's ,DIAC,TRIAC ,SCR		
	HT12E,HT12D,MCT 2E,MOC3021,DIAC -DB3,SCR -2P4M 400V	As per	
	2 Amp, TRIAC -BT136 (10 Nos. of each IC)	Mentioned	
v)	General Purpose IC's		
	LM 741 OP-AMP, LM -324, IC 555, MOSFET IRF 540 , LM 35	As per	
, I	Temperature Sensor (20 Nos. of each IC.)	Mentioned	

vi)	Miscellaneous Electrical Items	
	(a) Miniature PCB Mount Relay 5 Volt DC, Contact 230V, 5 Amp	
	(40 Nos.)	
	(b) Transformer 6-0-6 Volt, 1 Amp. (20 Nos.)	As per
	(c) Transformer 12-0-12 Volt,1 Amp. (20 Nos.)	Mentioned
	(d) Transformer 18-0-18 Volt,1 Amp. (5 Nos)	Withfullu
	(e) 9 V Battery (pack of 10 Piece) (10 Packs)	
	(f) 4 x4 Flexible Keypad (10 Nos.)	
vii)	Miscellaneous Display Items	
	(a) LCD 16 x 2 Alphanumeric (10 Nos.)	
	(b) LCD 20 x 4 Alphanumeric (10 Nos.)	
	(c) 7 Inch Touch screen LCD with Bicolor Case (2 Nos.)	As per
	(d) 128 x 64 Graphic LCD (2 Nos.)	Mentioned
	(e) LED Matrix 8x8, (10 Nos.)	Mentioneu
	(f) Common Cathode Seven Segment Display (50 Nos.)	
	(g) Common Anode Seven Segment Display (50 Nos.)	
viii)	Miscellaneous Printed Circuit Boards (PCB's)	
	(a) General Purpose PCB, Size (6 Inch x 4 Inch) (40 Nos.)	
	(b) Fiber Glass PCB ,Size (6 Inch x 4 Inch) (40 Nos.)	Agnor
	(c) Fiber Glass PCB, Size (2 Inch x 3 Inch) (40 Nos.)	As per Mentioned
	(d) Bread Board Big Size,(175 mm x 67 mm x 8mm) (20 Nos.)	Mentioneu
	(e) Bread Board Small Size ,(45 mm x 35 mm x 8mm ) (20 Nos.)	
ix)	Miscellaneous Tool Kit	
	Tool kit consisting of:	
	Screw driver set, mini screw driver set, plier -6 inch, nose plier, tester,	
	soldering iron (25 Watt), soldering iron (50 Watt), soldering iron (100	As per
	Watt), soldering iron stand, soldering wire (500 gram), solder paste	Mentioned
	(100 gram), desoldering pump, wire stripper and cutter, hot glue gun	
	(25 Watt) with multipurpose glue sticks (pack of 10) (5 Sets)	
x)	Miscellaneous Wires	
	(a) 2 mm patch chords of length 50cm male to male (500 Nos.)	A
	(b) 2 mm patch chords of length 50cm male to female (500 Nos.)	As per Mentioned
	(c) 2 mm patch chords of length 50cm female to female (500 Nos.)	Mentioneu
xi)	Thermocouple Sensors	
	(a) Pt-100 Sensor-3 wire,SS316 sheath dia-3 mm, length-10 cms.	
	with Teflon wire 50 cms (10 Nos.)	
	(b) Pt-100 Sensor-3 wire, SS316 sheath dia-5 mm, length-30 cms.	
	with Teflon wire 50 cms. (10 Nos.)	As per
	(c) Pt-100 Sensor-3 wire, SS316 sheath dia-5 mm, length-13.6	Mentioned
	cms. with Teflon wire 50cms. (10 Nos.)	
	(d) T-Cu/Cu-Ni Sensor-3 wire, SS316 sheath dia-3 mm, length-15 cms	
	with Teflon wire 50 cms. (10 Nos.)	

xii)	Miscellaneous Electronic Boards		
	(Quote single rate for total items of (a) to (h))		
	<ul><li>(a) Arduino UNO R3 based starter kit basic Kit Includes (2 Nos.)</li><li>1. Roboduino UNO R3 development board x 1</li></ul>		
	2. Seven Segment led x 1		
	3. Four digit Seven Segment display x 1		
	4. 8 x 8 Led dot matrix x 1		
	5. Switches x 4		
	6. 1k $\Omega$ resistor x 5		
	7. $10K\Omega$ resistor x 5		
	8. $220\Omega$ resistor x 8		
	9. 9v battery x 1		
	10. 9v battery connector x 1		
	11. IR receiver x 1		
	12. Remote control x 1		
	13. Photoresistor LDR x 3		
	14. Buzzer x 2		
	15. The flame sensor x 1		
	16. 75HC595 x 1 17. Red LED x 4		
	18. Green LED x 4	As per	
	19. Yellow LED x 4	Mentioned	
	20. Potentiometer x 1		
	21. LM35 temperature sensor x 1		
	22. USB data cable x 1		
	23. Male to Male Jumper wires x 40		
	24. Breadboard x 1		
	25. Tilt Switch		
	(b) Arduino PRO Mini ATMEGA 328P (2 Nos.)		
	(c) Arduino Nano ATMEGA 328P (2 Nos.)		
	(d) Arduino PRO ATMEGA 328P (2 Nos.)		
	(e) Complete Starter Kit for Raspberry Pi 3 Model B+, Official		
	Case (Red and White) and 16GB Micro SD Card with		
	NOOBS OS, Universal 2.5A Power Supply, (2 Nos.)		
	(f) Raspberry Pi, Model Zero W (2 Nos.)		
	(g) Node MCU-ESP 8266WIFI SOC Board ( <b>2 Nos</b> .)		
	(h) GSM Module (2 Nos.)		
xiii)	USB Cables and Connectors		
	(a) USB 2.0 Type A to B Cables (2 Nos.) (b) USB 2.0 Type A to A Cable (2 Nos.)		
	(b) USB 2.0 Type A to A Cables (2 Nos.)		
	(c) USB 2.0 Type A FEMALE Extension Cables (2 Nos.)		
	(d) USB 2.0 Micro B 5-Pin Cables (2 Nos.)		
	(e) USB 2.0 Mini 4 Pin Cables (2 Nos.)	Acner	
	(f) HDMI to HDMI cable 3 meter (2 Nos.)	As per Mentioned	
	(g) USB 3.0 A to A Super SPEED 5 Gigabit Cables (2 Nos.)	wiennoneu	
	(h) USB Adapters and Gender Changers (4 Nos.)		
	(i) BNC to BNC Cable (4 Nos.)		
	(i) BNC to Crocodile Cable (4 Nos.)		
	(k) Crocodile to Crocodile Cable (4 Nos.)		

13.	Floor carpeting, wall paper & related items		5,000/-
(i)	<b>Floor carpet</b> High oil, grease and fire resistant wood vinyl plank type floor carpet of thickness <b>1.5 mm</b> with texture finish. Quote the rates per sq. ft. inclusive of all materials and fitting.	1000 Sq. Ft.	
(ii)	<b>Wall Paper</b> 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.	500 Sq. Ft.	
(iii)	<b>Roller Blind</b> Acrylic coated polyster 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.	200 Sq. Ft.	
iv)	<b>Horizontal Venetian Blind</b> 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 antiflutter type. Quote the rates per sq. ft. inclusive of all materials and fittings.	200 Sq. Ft.	
14.	Insect Killer/ Fly catching machine		5,000/-
	Technical Specifications:         • Fitting       : Wall/Ceiling         • Machine Size       : 25 inch x 9 inch x 14 inch (LxWxH)         • U. V. Tubes       : 24 inch /20 W x 2 Nos.         • Power Consumption       : 50 Watts         • Effective Area       : Open Area: 300 Sq. Ft.         • Closed Area       : 600 Sq.Ft.         • Closed Area       : 600 Sq.Ft.         • Indicative Figure of Insect Killer/ Fly catching machine         The Insect Killer/ Fly catching machine should have safety features         with on/off Rocker switch & fuse holder and it should be fitted with choke, starter & fibre back rotary holder . The rates should be inclusive of fitting and also should be complete in all respect. Quote rate per number of Machine		