

**VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY: ODISHA, BURLA**  
(Formerly University College of Engineering, Burla)

P. O. Engineering College, Burla  
Dist. Sambalpur, Odisha, (India), 768018



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Letter No VSSUT/ETC/ 801

Dated. 22.02.2018

**QUOTATION CALL NOTICE**

Sealed quotations are invited from registered firms having up-to-date GST and income tax clearance for supply of 2 Ton Split ACs, 1.5 Ton Window ACs with stabilizers and on-line UPS with batteries including installation and necessary wiring as per requirement for the department of Electronics and Telecommunication Engineering of the University on the terms and conditions mentioned below. The sealed quotation shall reach the undersigned by speed/registered post only up to 12.00 noon, Date 03.03.2018. Quotations received beyond this date line are liable to be rejected.

SL	Specifications	Specification Offered	compliance (Yes/No)
<b>A. Split Type AC with Inverter Technology</b>			
1	Voltage/Frequency/Phase	230 V/ 50 Hz / Single	
2	Power Input (Watt)	2250-1960	
3	Running Current (Amps)	9.5	
4	Compressor Type	Inverter Rotary	
5	Anti-Bacteria Filter: Catechin / Silver Ion / Anti - bacterial / Anti - acarine / HD Filter/ Vitamin C/ Dust Filter		
6	Nominal Capacity	2 Ton	
7	Cooling Capacity(w)	6700 to 6300	
8	Star Rating	3 or above	
12	Evaporator Fin Type	Hydrophilic Blue Fins	
13	Night Glow Buttons on Remote	Should Present	
14	Approved Standard Make	Preferably Carrier/ Voltas/Lloyd	
15	Model		
<b>B. Window Type AC</b>			
1	Cooling Capacity (W)	5300	
2	Moisture Removal (l/hr)	2.0	
3	Indoor Airflow Volume-High (m <sup>3</sup> /hr)	940	
4	Voltage/Frequency/Phase	220-240/50/01 phase	
5	Running Current	8.1A	
6	Power Consumption (W)	1780	
7	EER	2.98	
8	Indoor Noise level Low (dB)	50	
9	Max Operating temperature (degree C)	55	
10	Refrigerant	R410A	
11	Compressor	Advanced hyper tropical Rotary	
12	Tonnage	1.5 Ton	
13	Make (Preferably O-General/Carrier/Voltas)		
<b>C. Stabilizer (5 KVA for 2-Ton / 4 KVA for 1.5 Ton)</b>			
1	Input Voltage	130V-250V AC	
	Output Voltage	220V ± 1%	
	Capacity	15 A	

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		Low & High Voltage cut-off Protection, Latest IC Technology, Built In Thermal Overload Protection, Wall Mounting Cabinet Design with Digital display for Input/Out Voltage with Delay.		
		Make		
		Model		
<b>D. On-Line UPS (6 KVA with One-hour Back-up)</b>				
1	Input	6KVA	6KVA /5400W	
		Voltage	230V	
		Voltage range	100-285V ( Derated output)	
		Freq	40-70 Hz	
		Phase	1Ph + N& G	
		Bypass	Separate Input Bypass for Hot stand by	
2	Output	Voltage	220 / 230 / 240V	
		Freq	47 - 63 Hz	
		Phase	1Ph + GND	
		Power Factor	0.9	
		Transient Variation	Yes	
		Transient Recovery	Yes	
		Bypass Transient Time	Yes	
		Short Ckt Protection	Yes	
		Crest Factor	3;1	
		Overload Capacity	105% for infinite, 150% for 30 Sec	
3	Prot.	Efficiency at Full Load	94% & 98% in ECO Mode	
		Alarm	Audible alarms Provides notification of changing	
		Surge Protection	Power conditioning Protects connected loads from surges, spikes, lightning, and other power	
		Noise Level	55 dba	
		Panel Indication	Graphical LCD Display & LED Ind mode	
4	Charger	Battery Charger	6.5Amp	
5	Back up	60mins	Minimum 42Ah x 16 nos. of battery ( make Exide/ Quanta)	
6	Battery	Battery BUS	192V DC Bus	
		Battery Type	12V SMF/Tubular selectable	
7	UPS Mode	Type of UPS	Rack/Tower Convertible	
8	UPS capability	Parallel	N+1 capability for future upgrade.	
9	Communication	RS-232	DB-9, RS-232, Smart Slot, EPO	
10	Environment	Amb. Temp.	0 - 40° C	
		humidity	0 - 95%	
		Storage Elevation	Graphical LCD Display & LED Ind mode	
11	Serviceability	Battery related	1> Hot Swappable batteries 2> Temperature compensated battery charging 3> Predictive failure notification 4> Temperature -	

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			compensated battery charging		
12	Warranty	UPS	2 Year on UPS		

Terms and Conditions

1. 100% of the billed amount shall be paid after successful delivery, installation including min. 10 Meters of complete wiring (as the case may be) with Dual MCB from the supply point followed by successful demonstration.
2. The quotationer is required to deposit DD for ₹ 500.00 (Non-refundable) and ₹ 5000.00 (Refundable after finalization of the Quotation Process) towards the Cost of the Tender Paper and EMD in favor of "VSSUT, Burla" payable at SBI, Burla or Syndicate Bank, VSSUT, Burla along with quotation.
3. The quotationer is required to quote unit price and taxes, if any, separately.
4. The items are to be door delivered on FOR basis to Dept. of Electronics & Telecommunication.
5. The quotationer shall submit Warranty Certificate, Installation Note, PAN, GST and Income Tax Clearance certificate (self-attested) along with the bill before release of payment.
6. The undersigned reserves the right to accept/ reject any/all quotations without assigning any reason thereof.
7. Super scribe the sealed quotation as "Quotation for Air Conditioner with Stabilizer/UPS for ETC Dept." with due date & time.
8. Any loss/damage during transit shall be at the cost of the supplier.
9. Any dispute arising out of this the deal shall be subjected to the jurisdiction of the court at Sambalpur within the state of Odisha.

  
Registrar

Memo No VSSUT/ETC/ 302 (2)

Dated: 22.02.2018

Copy to

1. University Notice Board for wide publicity.
2. Dean, F&P with a request to host in the University website.