



**VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, ODISHA**  
P.O: Engineering College Burla (Siddhi Vihar), Dist: Sambalpur  
Odisha- 768018, India

Website : [www.vssut.ac.in](http://www.vssut.ac.in), E-mail: [registrar@vssut.ac.in](mailto:registrar@vssut.ac.in), Ph:(0663)2430573,Fax-2430592

No. VSSUT/ CA / 412

Date: 01/06/2016

### **TENDER CALL NOTICE**

The Undersigned invites sealed Tenders from the intending reputed Original Equipment Manufacturers/Direct Importers/Registered Authorized Dealers in conformity with terms and conditions as laid down in tender documents for **Supply, Installation and Commissioning of Desktop Computer Systems & Peripherals for different laboratories of Computer Application Department, VSSUT, Burla**. Detailed information and the tender documents with necessary specifications, terms and conditions are available in the University website [www.vssut.ac.in](http://www.vssut.ac.in) ,which can be downloaded and submitted after filling it up completely. Sealed Tenders should reach the undersigned by Registered Post/Speed Post on or before 27/06/2016 upto 12.00 PM.

The authority reserves the right to accept or reject any or all the tenders without assigning any reason thereof.

  
REGISTRAR

Memo No. VSSUT/ CA / 413 (5)

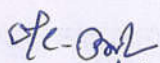
Date: 01/06/2016


#### **Copy to:**


1. **M/s Display lines**, 219, Saheed Nagar, Bhubaneswar-751007 with a request to publish the above advertisement in all edition of The SAMAJ (Odia daily) and Odisha edition of The Times of India (English daily) using minimum space at I & PR approved/lowest rates. The bills may be sent to the Comptroller of Finance, VSSUT, Burla- 768018 in TRIPLICATE along with copies of the paper in which the publication is made, for necessary payment.
2. **The University/Department Notice Board** for publicity.
3. **Dean F&P**, with a request to host the tender call notice in the University web site [www.vssut.ac.in](http://www.vssut.ac.in) for wide publicity.
4. **S.O. Accounts**, for information and necessary action. The expenses shall be chargeable under "Infrastructure development Fund" of the University.
5. **Steno to Registrar** for record. This is based on the UCPP proceedings held on 2nd March, 2016 at 4:00PM and approval of the proposal for procurement of Equipments/Instruments on 05.05.16 vide File No. 24, Page No. 2 & File No, 28, Page No. 2, by the Hon'ble Vice-Chancellor.

Sd/-

REGISTRAR

  
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Sd/-

**REGISTRAR**

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**SECTION-I : INVITATION FOR BIDS (IFB)**

Sealed Tenders in two bids system (**Technical Bid and Price Bid**) are invited by the "**The Registrar, Veer Surendra Sai University of Technology, Odisha, Burla**" from the original equipment manufacturers/authorized distributors/dealers for **Supply, Installation and Commissioning of Desktop Computer Systems & Peripherals** of reputed make (National/ International) for the different laboratories of Department of Computer Application, VSSUT Burla, Odisha. The intending Bidders may download the **Tender Documents** directly from the website available at <http://www.vssut.ac.in>.

**All bidders are required to submit EMD not less than 2% of the quoted amount in the shape of Demand Draft drawn in favour of "Veer Surendra Sai University of Technology, Burla" payable at Burla only along with Technical bid.** The EMD shall be in Indian Rupees. Non-Submission of EMD or Submission of EMD of lesser amount than required shall result in rejection of bid. The EMD deposited against other bids cannot be adjusted or considered for this bid. No interest is payable on EMD.

The Bidders may download the **Tender Documents** directly from the website available at <http://www.vssut.ac.in> and submit the Tender cost fee of Rs.500/- (Non-refundable) by way of separate Demand Draft drawn in favour of "**Veer Surendra Sai University of Technology, Burla**" payable at Burla should be enclosed along with the bid. The Tender cost fee and the EMD amount should be submitted separately in separate Demand drafts. In case of any bid clarification, responsibility lies with the bidders to collect the same from the website and the purchaser shall have no responsibility for any delay/ omission on part of the bidder.

The envelope containing the Tender must be super-scribed as "**Quotation for Desktop Computer Systems & Peripherals in Computer Application Department**" along with **Tender notice No. & Date**.

**TIME SCHEDULE:**

- i) **Date of commencement** of downloading bidding document : 02.06.2016 at 05.00 PM
- ii) **Last date and time** for Receipt of bids 27.06.2016 up to 12.00 PM
- iii) **Time and date of opening** of Tender & technical bid 28.06.2016 at 10.30 AM
- iv) **Place of receipt and opening** of tender and **delivery and billing address:**

**THE REGISTRAR  
VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, ODISHA  
PO-Burla Engineering College, Dist-Sambalpur-768018,  
Tel. No-0663-2430211 Fax No-0663-2430204**

  
**REGISTRAR**



## **Section-II: Terms and Conditions**

1. The cost of Tender documents is Rs. 500.00 (Rupees five hundred only) (Non-refundable). The Tender documents can be downloaded from the University website [www.vssut.ac.in](http://www.vssut.ac.in). A demand draft towards the cost of Tender documents drawn in favour of **"Veer Surendra Sai University of Technology, Burla"**. Payable at Burla must be submitted along with Tender.
2. These Tender documents must be filled up completely and signed by the authorized signatory of the bidder on all the pages as acceptance of all the guidelines, terms and conditions laid in this Tender document.
3. The completed document must reach to "The Registrar, Veer Surendra Sai University of Technology, Burla. PO. Burla, Dist: Sambalpur-768018 (Odisha)" by the last date of submission i.e. 27th June 2016 by 12.00 PM in a sealed cover by Registered /Speed Post.
4. The tender comprises two parts i.e. 1. Technical Bid and 2. Financial/Price Bid. The first part is technical bid where the vendor is required to give the details of the firm and the confirmation on technical specification. If there is noncompliance in respect of any item, all details thereof must be provided. The second part is financial/price bid where the vendor is required to quote the rates only. No other information/condition is to be mentioned in the financial bid. Conditions if any, are to be given in the technical bid only. The technical and financial/price bids are to be submitted in separate envelopes.
5. The envelope containing the Tender must be super-scribed as **"Quotation for Desktop Computer Systems & Peripherals in Computer Application Department"** along with **Tender notice No. & Date**.
6. The tender should contain the following documents.
  - a) Tender application as per Annexure-I.
  - b) This Tender document must be signed on each page by the authorized signatory of the bidder.
  - c) Detail Name & address with Phone No./FAX No., e-mail ID of the contact person.
  - d) Demand Draft (Non-refundable) towards the cost of Tender documents.
  - e) Self-attested copies of VAT clearance certificate/IT return/service tax clearance certificate.
  - f) Documentary evidences/technical literature/catalogues in original for the mode.
7. The quoted price must be inclusive of freight, packing, forwarding, transit insurance etc. for delivery at VSSUT, Burla. The installation, commissioning and demonstration shall be at the cost of the supplier.
8. The bidder may bid for all the packages, part thereof or part of a package from the schedule of requirements mentioned herewith.
9. The Tender and the quoted prices shall be valid for 90 days from the date of submission of the Tender.
10. The University will evaluate the technical & financial aspects of the Tenders. The University shall consider placement of orders for commercial supplies only on those eligible bidder whose offers are found to



be technically, commercially and financially acceptable and who have accepted the terms and conditions as stipulated in this Tender document.

11. Tender should be filled with near legible and correct entries. Indistinct figures should be avoided. Any erasures and alterations made while filling the tender or figure /figures are not permitted. Failure to comply with either of these conditions will render the tender void. No advice of any change in rate or conditions after opening of the tender will be entertained.

12. On all the matters relating to this Tender call document, the decision of the University shall be final and binding and the same cannot be referred to the court of law. The University reserves the right to reject any or all of the Tenders without assigning any reason what so ever.

13. For proprietary items, the certificate of proprietary item must be submitted along with the bid. If any item is supplied by an authorized firm, the manufacturer's authorization certificate must be submitted along with the bid.

14. Any deviation in technical specifications shall not be entertained ordinarily. The University reserves the right to modify the specifications during the execution stage of the purchase process. Wherever the technical specifications of items are changed either at the University request or at Bidder's request, revised price will be fixed, if necessary, by negotiations and as agreed upon by both parties.

15. The University reserves the right to order all or part or none of the items and/or services given in this document.

16. The quantities in the schedule may be increased or decreased to any extent depending upon the actual requirement.

17. Unless otherwise specified in the order, the order price shall remain firm and will not be subject to escalation of any description during the pendency of the order, notwithstanding the change in the cost of materials, labour and /or variations in the taxes, duties and other levies on raw materials and components may take place while the order is under execution even if the execution of the order is delayed beyond the completion date specified in the order for any reason whatsoever.

18. The University may reject the bid even if it is accepted but the successful bidder fails to execute any of the guidelines, terms and conditions mentioned in this Tender document.

19. All the items are to be door-delivered to the University within 6 weeks of the issue of the purchaser order. In case the supplier fails to deliver the goods within the due period, the University reserves the right to cancel the purchase order and to place orders with other firms without assigning any reason thereof.

20. The supplier must supply all ordered items at a time. Part supplies are not acceptable and will not be entertained on any account. Any loss or damage during transit will be replaced at the cost of supplier.

21. All bidders are required to submit EMD not less than 2% of the quoted amount in shape of Demand draft



drawn in favour of "Veer Surendra Sai University of Technology, Burla" payable at Burla only. The EMD shall be in Indian Rupees. Non-submission of EMD or submission of less EMD than the desired one shall result in rejection of Bid. The EMD deposited against other Bids cannot be adjusted or considered for the Bid. No interest is payable on EMD.

22. The EMD amount of the successful bidder will be kept as retention money and will be released only after supply and installation of the equipments in place. However, the EMD amount of other bidders will be returned back after the tendering process is completed.

23. The supplier shall be liable to complete all installation and demonstration of the instruments at the site within 30 days from the date of receipt. All packing must be opened at the site and be handed over to the consignee, at the supplier's cost.

24. The equipment supplied will be under warranty for a period of 2 years from the date of installation and demonstration or as per the minimum technical requirements of equipments as per technical specification. Free replacement of faulty parts including free technical support shall be provided during the warranty period. Warranty Certificate shall be submitted at the time of delivery.

25. The supplier is required to take care of change in technology and supply the higher version of the equipment available at the time of delivery at the same total cost as per the order. The operating manuals in original must be supplied at the time of delivery of the equipment.

26. The software supplied will be under warranty for a period of two years. Any upgrade of the software during the warranty period must be made available without any extra cost.

27. The supplier shall submit all bills in triplicate on printed forms to the University.

28. The supplier must submit valid and up-to-date VATCC and copy of IT return along with the bill before release of payment. The bidder shall also indicate the applicable prevailing VAT.

29. The University will make payments through account payee cheque in Indian Rupees. No interest on any deferred claim arising out of this purchase shall be payable in any case whatsoever. No payment will be made for instruments rejected at site during demonstration.

30. 100% payment of the billed amount will be made only after 30 days of receipt of equipment in good conditions and successful performance on site from the final date of demonstration as per the specifications.

31. The University reserves the right to cancel the purchase order if the equipment supplied fail to meet the specification mentioned within the terms and conditions of this Tender call document. The University shall not be held responsible for any loss or damage suffered by the bidder as a result of the cancellation of the purchase order.

32. Any dispute arising not of the deal shall be subjected to the jurisdiction of the court at Sambalpur within the State of Odisha.

**REGISTRAR**



## Overall Specification

Sl. No	Type	Items	Specification	Annexure
1.	Hardware	Desktop Computers (15)	Core i3, 6 <sup>th</sup> Gen, Free Dos / Linux	A1
2.	Hardware	Online UPS (01)	5 KVA with 2 Hr Backup	A3
		Maintenance Free Battery	BackUp Time : 2 Hrs (under working Load) Rating : 65 AH x 20 Nos.	
3.	Hardware	Online UPS (01)	5 KVA with 1 Hr Backup	A4
		Maintenance Free Battery	BackUp Time : 1 Hrs (under working Load) Rating : 42 AH x 20 Nos.	
4.	Hardware	Projector (01)	Type : DLP (Digital Light Processing)/LCD Type Aspect Ratio of the Projector: 16:10 Brightness Affect of the Projectors (Lumens Range): <del>4000</del> 4000 lumen or more Resolution Affects of the Picture : 1280 x 800 WXGA or more Throw Ratio of the Projector : (Short / Long )	A2
5.	Hardware	Network Devices (02)	48 Port Unmanaged Switch of reputed Make, LAN Cable, I/O Box, RJ 45	A5



**To**

The Registrar,  
Veer Surendra Sai University of Technology,  
Burla - 768018.  
Dist: Sambalpur, Odisha

**Subject:** Quotation for "Supply, installation and commissioning of **Desktop Computer Systems & Peripherals in Computer Application Department** "

**Dear Sir,**

I/We the undersigned have carefully gone through and clearly understood the full specifications, Quantities with terms and conditions mentioned in the tender document for the above mentioned work do hereby tender to execute and complete the supply in accordance with the priced bill of quantified and/or as per given specifications.

It is understood that the lowest or any tender will not necessarily be accepted and that you are not bound to assign any reason thereof for the same.

I/We agree to keep our offer open for 90 days from the date of opening of tender.

Having examined the schedule of requirements relating to the proposed tender for supply of equipment/software and having acquired the tenders invited by you, I/We the undersigned hereby offer to execute, complete and maintain the proposed work in strict accordance with the conditions and specifications described in the tender document at the item rates quoted by me/us in the tender

I/We hereby undertake to complete and deliver the total work (supply, install and commissioning) within the stipulated time period from the date of issue of work order by the competent authority.

**Place .....**

**Date .....**

**Signature & Stamp of Vendor**

**Name and address of the Vendor**



**Annexure – II : Technical Bid**

To be filled and signed by the authorized signatory of the firm & this is to be put in separate sealed cover superscribed with "Technical bid for Supply, Installation and Commissioning of Desktop Computer Systems & Peripherals for Computer Application Department"

Sl. No.	Description	To be filled in by the Supplier
1.	Name of the Supplier/Dealer/OEM/Agency/Firm	
2.	Address with phone No./FAX/ e-Mail	
3.	Contact Person(s) Phone No. /Mobile No.	
4.	Name of the OEM( Brand)	
5.	Quoted Model No.	
6.	Date of Commencement of Business	
7.	PAN No. (Attach a Copy)	PAN No.
8.	Details of Bank Draft towards the cost of Quotation documents	DD No. : Date : Amount : Issuing Bank Name :
9.	Details of Bank Draft towards EMD	DD No. : Date : Amount : Issuing Bank Name :
10.	VAT/CST Registration details (Attach a Copy)	VAT/CST No.
11.	Experience Details (with proof of orders from organization to which supplied earlier)	
12.	Warranty Information	Please attach list of items along with relevant warranty, if applicable
13.	Product Brochure / Literature for each item	Attach Copies of Product Brochure/Literature for each Item

**DECLARATION:** I/We hereby certify that the information furnished above is full and correct to the best of our knowledge. We understand that in case any deviation is found in the above statement at any stage, the quotation is liable to be rejected.

**Signature of the Vendor with Seal**



**Annexure- III : Financial/Price Bid**

The Financial/Price Bid may be submitted as per the technical specifications covering all requirements for the installation and commissioning of the item.

Name and Contact number of the OEM/Business Partner of OEM/ Authorized Dealer:

.....  
.....

Sl. No.	Name of the Item	Technical Specification	Make & Model	Base Price per each Unit, excluding VAT (in Rs.)	VAT/CST & Entry Tax, Installation charges, if any (in Rs.)	Total Unit Price (in Rs.) (05+06)	Tendered Quantity	Total Value (in Rs.) (07*08)
01	02	03	04	05	06	07	08	09
a	Desktop Computers (i3, 6 <sup>th</sup> Gen. make)						15	
b	Online UPS (5 KVA, 1Hr.)						01	
c	Online UPS (5 KVA, 2Hr.)						01	
d	Projector						01	
e	Network Devices						02	

Note:- Any type of correction/change in price schedule shall not be permissible.

Signature & Stamp of Vendor



## Annexure - IV : Schedule of Requirements and Technical Specifications

**Package – 1 : Intel Core i3 Processor based Desktop Computer (Quantity – 15)**

**(Annexure – A1)**

Technical Specification of Intel Core i3 processor based Desktop Computer				
Sl. No	Feature	Minimum Specifications for i3 Desktop	Compliance (Yes/No)	Deviations (If any)
0	Category	Business segment (Commercial series)		
1	Model & Make	Reputed Brand /OEM having minimum 10 years existence in the national & international market.		
2	Cabinet Form Factor	Small Form factor volume less than 13 litre		
3	Processor	Intel Core i3-6100, 3.7 GHz ,3 MB Cache, TDP not more than 55 W		
4	Motherboard & chipset	Intel Original motherboard with intel H 110 chipset, minimum three free PCI/PCI-x/PCI-Express slots		
5	Memory	4GB DDR-IV 2133 UDIMM or higher RAM expandable upto 8GB (at least two slots)		
6	Hard disk drive	Integrated dual port SATA III Controller, HDD 1 TB(7200 RPM) or more		
7	Keyboard & Mouse	OEM 104 keys standard keyboard, OEM USB Optical scrolling mouse		
8	Speakers	Stereo Sound Speakers (built-in with CPU Cabinet or Monitor)		
9	Graphics	Intel HD or equivalent Integrated HD Graphics & Sound Controller		
10	USB Ports	4XUSB 2.0, 2XUSB 3.0		
11	USB Port Security	USB port disable (through BIOS)		
12	Other ports	Mic In, Speaker out, RJ-45, VGA/Display port out/HDMI		
13	Power Supply/Adapter	Optimum Wattage SMPS to support full use of system with all USB Ports Utilised		
14	Energy Certification	Energy Star (EPA) ver 5.0 or later/BEE India Star ver 1 or later		
15	Power Management	ACPI Compliant		
16	Screen size & Resolution	18.5" TFT LED Monitor (HD resolution) or higher with TCO 6 certification		
17	Screen Type	HD Wide Screen Backlit LED Anti Glare Display		
18	Ethernet Card	Integrated Gigabit Ethernet Controller with IPv6 Compliant		
19	Integrated Wireless & Bluetooth	Inbuilt module for IEEE 802.11 AC , BT 4.0.1*1		
20	OS preloaded	Ubuntu with all required drivers & plug-ins		
21	OS Certificate	Ubuntu-Linux 14.04 LTS		
22	System Architecture	64 bit		
23	Warranty & Services	3 Years Onsite comprehensive Warranty support with Level 1 support from bidder and Level 2 support from OEM		
24	Hardware drivers	Vendor to provide drivers for Ubuntu-Linux 14.04 LTS		
25	OEM Product	Original Equipment Manufacturer (OEM) or its authorized distributor/dealer with OEM		
26	Card Reader	Integrated 7-in-1 card reader		

Note: All the above mentioned specifications should be read as equivalent or higher.



## Package – 2 : Projector (Quantity – 01)

## (Annexure – A2)

Sl.No	Feature	Minimum Technical Specifications for Projector	Compliance (Yes/No)	Deviations (If any)
0	<b>General Aspect Ratio</b>	4:3 (Native) 16:10		
1	<b>Brightness (ANSI Lumens)</b>	4,000 ANSI Lumens or above		
2	<b>Contrast Ratio</b>	2500 : 1		
3	<b>Display Type</b>	0.63" Poly silicon TFT Active Matric LCD x 3 or higher		
4	<b>Resolution (Native/Max)</b>	xGA (1024 x 768) or higher		
5	<b>Video Compatibility</b>	NTSC, PAL, SECAM		
6	<b>Number of colors</b>	16.77 Million Colors.		
7	<b>Inputs</b>	2 x RGB D-Sub 15pin , 2 x Stereo Mini Jack, 1 x Composite, 1 x S-Video, 1 x HDMI, 1 x USB, 2 x RCA Audio, Wireless Network Option, IEEE 802.11 b/g/n ready for LAN/ internet connectivity		
8	<b>Outputs</b>	1 x RGB D-Sub 15 pin/ 1 x Stereo Mini Jack.		
9	<b>Control</b>	1 x RS-232C/ 1 x RJ-45 LAN		
10	<b>Operation Power</b>	220V – 240V, 50 Hz		
11	<b>Power Consumption Operational</b>	Upto 320W		
12	<b>Power Consumption Operational (standby)</b>	Upto 1W		
13	<b>Optical Zoom</b>	1.2:1		
14	<b>Screen Specification</b>	Screen: 12 feet x 9 feet (With stand on both sides).		
15	<b>Other Features</b>	Desirable: Wireless Presentation from M-Tabs (Android Tablet).		
16	<b>Warranty</b>	Minimum onsite comprehensive warranty for 2 years. Bulb warranty for 1 year.		
17	<b>Accessories</b>	1 VGA Cable, and 1 HDMI cable (with converter from micro HDMI to standard HDMI). Projection Screen with Stand.		
18	<b>Model &amp; Make</b>	Reputed Brand having minimum 05 years existence in the national & international market.		
19	<b>Audio, Control, Audible Noise</b>	1 x 10W Monaural Speaker, 1 x USB Type B 1 x RS-232, 39 dB (Normal), 35 dB (Eco Mode)		
20	<b>Horizontal/Vertical Keystone Correction</b>	+/- 30 Degrees		

Note: All the above mentioned specifications should be read as equivalent or higher.



Package – 3 : 5 KVA Online UPS with 2 Hr Backup (Quantity – 01)

(Annexure – A3)

Sl.No	Feature	Minimum Technical Specifications for Online UPS	Compliance (Yes/No)	Deviations (If any)
0	Capacity	5 KVA Online		
1	Technology	IGBT Based Qualifier		
2	Input Voltage Range	230V $\pm$ 20% AC, Single Phase		
3	Input Frequency Range	50Hz $\pm$ 10%		
4	Output Voltage	230V AC $\pm$ 1%, Single Phase		
5	Output Wave form	PWM Sine wave		
6	Voltage Stability	+ 1% for DC input Variation & output load variation		
7	Efficiency	> 90%+		
8	Input Power Factor	> 0.95		
9	Overload	110% for 10 minutes		
10	Harmonic Distortion	Less than 3%		
11	Adjustable Range	+ 10 VAC		
12	Audible noise	Less than 55 Db at 1 meter		
13	Battery	Lead Acid Sealed Maintenance free ; 12V/65 AH, Quantity – 20 Nos.		
14	Battery Backup	120 minutes on Full Load, VAH should be minimum 16000 VAH		
15	Cooling Method	Forced Air Type		
16	Protection	Input and Output Over and Under Voltage, Output Overload, Output Short Circuit, Battery Low Trip etc. If		
17	Indicators	Mains on, Load on Batteries, Battery low load on mains, Inverter Overload, Inverter on		
18	Ambient Conditions	Operating 0°C – 50°C , Storage 0°C – 60°C		
19	Relative Humidity	95 R.H.		
20	Bypass	Automatic Static Bypass Switch		
21	Remote Monitoring	SNMP Support		
22	Enclosure	M.S Powder coated with Caster Wheels for UPS and Batteries		
23	Warranty	3 Years on UPS and 1 Year on Battery		



24	Isolation	Inbuilt Output Isolation Transformer		
25	Model & Make	Reputed Brand having minimum 05 years existence in the national & international market.		

Note: All the above mentioned specifications should be read as equivalent or higher.

**Package – 4 : 5 KVA Online UPS with 1 Hr Backup (Quantity – 01)**

**(Annexure – A4)**

Sl.No	Feature	Minimum Technical Specifications for Online UPS	Compliance (Yes/No)	Deviations (If any)
0	Capacity	5 KVA Online		
1	Technology	IGBT Based Qualifier		
2	Input Voltage Range	230V $\pm$ 20% AC, Single Phase		
3	Input Frequency Range	50Hz $\pm$ 10%		
4	Output Voltage	230V AC $\pm$ 1%, Single Phase		
5	Output Wave form	PWM Sine wave		
6	Voltage Stability	+ 1% for DC input Variation & output load variation		
7	Efficiency	> 90%+		
8	Input Power Factor	> 0.95		
9	Overload	110% for 10 minutes		
10	Harmonic Distortion	Less than 3%		
11	Adjustable Range	+ 10 VAC		
12	Audible noise	Less than 55 dB at 1 meter		
13	Battery	Lead Acid Sealed Maintenance free ; 12V/45 AH, Quantity – 20 Nos.		
14	Battery Backup	60 minutes on Full Load, VAH should be minimum 10800 VAH		
15	Cooling Method	Forced Air Type		
16	Protection	Input and Output Over and Under Voltage, Output Overload, Output Short Circuit, Battery Low Trip etc. If		
17	Indicators	Mains on, Load on Batteries, Battery low load on mains, Inverter Overload, Inverter on		
18	Ambient Conditions	Operating 0°C - 50°C , Storage 0°C - 60°C		



19	<b>Relative Humidity</b>	95 R.H.		
20	<b>Bypass</b>	Automatic Static Bypass Switch		
21	<b>Remote Monitoring</b>	SNMP Support		
22	<b>Enclosure</b>	M.S Powder coated with Caster Wheels for UPS and Batteries		
23	<b>Warranty</b>	3 Years on UPS and 1 Year Battery		
24	<b>Isolation</b>	Inbuilt Output Isolation Transformer		
25	<b>Model &amp; Make</b>	Reputed Brand having minimum 05 years existence in the national & international market.		

Note: All the above mentioned specifications should be read as equivalent or higher.

**Package – 5 : Networking Devices (Quantity – 02)**

**(Annexure – A5)**

Sl.No	Feature	Minimum Technical Specifications for Networking Devices	Compliance (Yes/No)	Deviations (If any)
0	Hub	Sf300 48 Port 10/100 Unmanaged Switch (2 Units)		
1	Patch Panel	(NP-BP 48 3U c6 c-k)(Cat 6 feedthrough patch pannel - 48 port) (2 Units)		
2	LAN cable	cat 6 LAN cable box- 305 Meter (2 Units)		
3	RJ 45 Male jack	Male jack (150 Units *2)		
4	I/O Box	I/O box with RJ 45 female jack (150 Units*2)		

Note: All the above mentioned specifications should be read as equivalent or higher.