

VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, ODISHA, BURLA

Po: Engineering College, Burla, Dist: Sambalpur, Odisha, India, PIN: 768018
Phone: 0663-2430211, FAX: 0663-2430204, Website: www.vssut.ac.in



**Tender document for supply, installation and commissioning of
DifferentHardware**

Tender Call Notice No. VSSUT/CSE&IT/P-66/3241

Date: 06/09/2017

Submitted by

M/s.....

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Last Date and Time of Submission of Tenders by Registered/Speed Post Only	: 09.10.2017 1.00 PM
Cost of Tender Documents	: Rs 500/- (Rupees Five Hundred Only)
Date & Time of Opening of Technical bid	: 11.10.2017 at 3 PM
Date & Time of Opening of Price bid	: 13.10.2017 3 PM

The Document is prepared by VSSUT, Burla. It should not be reused or copied or used either in partially or fully in any form. The information provided by the bidders in response to this Tender document will become the property of VSSUT, Burla and will not be returned.



VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY: BURLA

P.O: Engineering College Burla (Siddhi Vihar), Dist: Sambalpur
Odisha– 768018, India

E-mail: registrar@vssut.ac.in, Ph:(0663)2430573,Fax-2430592

Advt.No.VSSUT/CSE&IT/P-66/3241

Date: 06/09/2017

TENDER CALL NOTICE

Sealed Tender Documents are invited by the undersigned from intending reputed, registered and experienced firms for Supply, Installation, Commissioning and Testing, Training and Maintenance of Different Hardware for the University. The last date of submission of quotation is 09.10.2017, 3.00 PM. The Technical & Financial bid shall be opened on 11.10.2017 and 13.10.2017 at 3.00 PM respectively. For details visit University website www.vssut.ac.in.

Sd/- Registrar

Memo No. VSSUT/CSE&IT/P-66/

Dated:

Copy to:

1. M/s/ Display Lines, 219 Saheed Nagar, Bhubaneswar. The above advertisement may be published in all editions of "The Samaj (Oriya Daily)" and all Odisha editions of "The Times of India (English Daily)" newspaper on or before 12/09/2017 in I&PR approved rates in one issue using minimum space. The bill may be sent in triplicate alongwith a copy of the paper in which the publications is made.
2. University Notice Board.
3. Dean (Faculty & Planning) with a request to display the advertisement on the University website.
4. The Comptroller of Finance, VSSUT, Burla for Information.
5. PA to Vice Chancellor for kind information of Hon'ble ViceChancellor.
6. PA to Registrar for information vide the approval of Vice Chancelloron 22.08.2017 in File No. P-66, Page No. 01.

Sd/
REGISTRAR

VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, ODISHA, BURLA

Quotation call notice for supply, installation and commissioning of Different Hardware

Quotation Call Notice No. VSSUT/CSE&IT/P-66/3241

Date: 06/09/2017

The “Registrar, Veer SurendraSai University of Technology, Burla” invites sealed quotations from the intending reputed Original Equipment Manufacturer or its registered authorized dealers for supply, installation, commissioning of different Hardware.

All details and the quotation documents are available on the University website www.vssut.ac.in.

This quotation document contains the following.

- (i) General guidelines for submission of quotation
- (ii) Technical specification
- (iii) Information sheet of bidder
- (iv) Undertaking by the bidder
- (vii) The Financial bid

Important Dates

Last Date and Time of Submission of Quotations by Registered/Speed Post Only	:	09.10.2017 1.00 PM
Cost of Quotation Documents	:	Rs 500/- (Rupees Five Hundred Only)
Date & Time of Opening of Technical bid	:	11.10.2017 at 3 PM
Date & Time of Opening of Price bid	:	13.10.2017 3 PM

Sd/-
Registrar

General Guidelines For Submission Of Quotation

1. The bidder shall furnish an unconditional acceptance of all the terms and conditions of this quotation call document. The quotations without such certificate shall be liable for rejection. No correspondence will be entertained from the bidder on this subject.
2. The person signing the quotation or other documents shall indicate his full name below his signature in all pages.
3. **Pre-qualification Criteria of the bidder:** The bidder must submit ***Tender Specific (vide Tender Notification NoVSSUT/CSE&IT/P-66/3241, Dated. 06/09/2017) OEM Authorization Letter*** from all the major OEMs (except screen, cables, connectors & other accessories) to qualify in the tender and the same should be checked before opening commercials. The bidder will be disqualified if it is found any of the OEM Authorization Letter is missing in his bid.
4. Bidder should be an ISO 9001, (Desirable having 20000 and 27001 Certification if any) certified Company (except screen, cables, connectors, Furniture & other accessories).
5. The bidder shall submit a certificate (self certified on letter head) that the firm has not been black listed by any institution of the State/Central Government in the past.
6. **Eligibility of the Bidder:** The bidder should verify its eligibility criteria as mentioned below before submitting the quotation and enclose the required documents in the sequence listed below, to avoid rejection or disqualification of the quotation. The bidder should meet the following criteria.
 - a. The bidder should be Original Equipment Manufacturer (OEM) or Business partner of the Original Equipment Manufacturer/Authorized Dealer. In case of business partner, the partner must be an Authorized Systems Integrator (ASI) having a direct purchase and support agreement with the OEMs different Hardware. The bidder should provide supporting Manufacturer's Authorization certificate in this regard (that is authorized System Integrator/Authorized Dealer).
 - b. The bidder should have large support network with presence across India.
 - c. The bidder shall have sufficient experience (minimum 3 years) as on bid calling date in supply, installation, testing and commissioning of the different Hardware corporate/Govt./other Academic Institution or Public Sector in India.

- d. The Bidder's key technical engineers should have OEM certifications to install and maintain the IT equipment quoted by the Bidder.
 - e. The bidder shall have sufficient experience (minimum 3 Years) to execute such services/contract preferably in a university or an educational organization. The Bidder must submit satisfactory evidence of their capability and adequacy of resources to carry out this contract effectively from earlier users.
 - f. The bidder should be a GST registered company and profit making for the last three years with registered Certificate.
 - g. The bidder shall have service base located at Sambalpur or Bhubaneswar.
 - h. The bidder shall have sufficient experience in maintenance of Hardware.
7. **Cost of quotation documents:** The cost of quotation documents is Rs.500/- (Rupees Five Hundred Only) (Non-refundable). The quotation documents can be downloaded from the University website www.vssut.ac.in and have to deposit a DD equal to the cost of quotation documents drawn in favor of "Veer Surendra Sai University of Technology, Burla" payable at SBI, Burla or Syndicate Bank, VSSUT, Burla along with quotation.
8. The quotation must be submitted in two parts :(i) **Technical bid** & (ii) **Price bid**. The two bids must be submitted in two separate sealed envelopes clearly marking the bid's name and must be put in the single outer cover subscribing as "**Quotation for Hardware**" and also the quotation call notice number.
9. **Earnest Money Deposit (EMD):** A bank draft towards EMD for the amount of Rs.10,000.00 (Rupees Ten Thousands Only) drawn in favor of "Veer Surendra Sai University of Technology, Burla" payable at SBI, Burla or Syndicate Bank, Burla, must be submitted against either Only One or more than one Item quoted. The EMD will not carry any interest.
10. **Submission of quotation and Documents Required**
- a. This quotation documents must be filled in 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 quotation document. (This document should be printed on both side of the A4 size paper sheet).

- b. The completed document must reach to “The Registrar, Veer SurendraSai University of Technology, Burla, PO. Burla, Dist. Sambalpur-768018 (Odisha) by the last date of submission i.e. **09.10.2017 at 5.00P.M.** under a sealed cover by registered/speed post only. The quotations received after the due date & time is liable to be rejected. Quotation by FAX/e-mail or any other media will not be entertained.
- c. The envelope containing the quotation must be super-scribed as “Quotation call notice for supply, installation and commissioning of Hardware” with due date & time of submission.
- d. The University is not responsible for delay, loss or non receipt of quotation documents sent by the post.

12. The quotation should contain the following documents.

a. Technical bid containing,

- i. This quotation document signed on each page by the authorized signatory of the bidder.
- ii. Self-attested copy of PAN, GSTRegistrationetc., issued by appropriate Government authority for the required services with seal of the quotation.
- iii. Bank draft (Non-refundable) towards the cost of quotation documents in favor of the Comptroller of Finance, Veer Surendra Sai University of Technology, Burla payable at SBI, Burla, or Syndicate Bank, VSSUT, Burla.
- iv. Bank draft for EMD in favor of the Comptroller of Finance, Veer Surendra Sai University of Technology, Burla payable at SBI, Burla or Syndicate Bank, VSSUT, Burla.
- v. List of user Clients and documents related to experience of the bidder along with address and contact number.
- vi. Detailed specification need to be submitted in respective Annexure Onlyfordifferent product along with the service support.
- vii. A technical capability document describing the relevant facilities and services available with them.
- viii. Detailed literature along with make, model, data sheets, pamphlets and performance curves as applicable shall be attached with the technical offer.
- ix. For the items under Annexure 9 & 10, the bidder is required to display the products before the technical verification committee at 10 AM on 11.10.2017.
- x. Any other documents in support of the eligibility of the bidder.

b. **Price bid:** The price bid shall specify the following,

i. Cost for supply and installation of different Hardware per technical specification separately in the respective Price proforma.

11. The quotation is liable to be cancelled, and the EMD shall be forfeited to the COF, VSSUT, Burla, in the event of any failure to comply with any of the clauses of the terms and conditions of this quotation call document or in the event of bidder withdrawing his offer before/ after finalization of this selection process. Bid without the required EMD amount will be summarily rejected.
12. The University reserves the right at the time of award of the order to increase or decrease the quantity of the goods and services specified in the schedule of requirements without any change in unit price of the ordered quantity.
13. The quotation document is not transferable. The quotations submitted by the bidder in their own pro-forma shall not be accepted. While filling up the forms / offering any other information, it shall be done using by typewriting.
14. It may be noted that one agency cannot represent or quote on behalf of more than one dealer in the particular quotation. Such quotations if received will not be considered.

Price and its Validity

15. The bidder shall quote rate per unit item. However, the University may increase or decrease the quantity before placing the order, without assigning any reason thereof.
16. The quotation shall contain the firm and final rates in clear and unambiguous terms in Indian Rupees.
17. The quoted price must be inclusive of all taxes including GST, freight, packing, forwarding, transit insurance etc. and must be shown clearly against each entity for delivery at site. The installation, commissioning and demonstration shall be at the supplier cost.
18. The bidder shall also indicate the applicable prevailing GST.

Evaluation and Award of Contract

19. On all the matters relating to this quotation 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 quotations without assigning any reason what so ever.

20. The University reserves the right to call the bidders and to conduct negotiations, if necessary and has the right to select more than one bidder for one or more items at its discretion.
21. Any deviation in technical specifications shall not be entertained ordinarily. The University reserves the right to modify the computer-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.
22. The University reserves the right to order all or part or none of the items and/or services given in this document.
23. 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 quotation document.
24. The supplier shall not assign or makeover the contract, the benefit or burden thereof to any other person or persons or body corporate. The supplier shall not underlet or sublet to any person(s) or body corporate for the execution of the contract or any part thereof.

Delivery Period

25. All the items are to be door-delivered to the University within 4-5 weeks of the issue of the purchase 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.
26. 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.

Installation and Commissioning

27. The supplier shall be liable to complete all installation and commissioning of the Hardware at the site within 15 days from the date of receipt of items. All packing must be opened at the site and be handed over to the consignee, at the supplier's cost.

Warranty

28. The Hardware supplied will be under comprehensive warranty for a minimum period of 3 years or more than 3 Years offered by the Company, if any, from the date of installation and commissioning.

Services

29. The supplier shall have a service support base at Sambalpur/Bhubaneswar and shall submit full detail address with phone no., fax no. and e-mail ID of the contact person for after sales service.
30. The supplier is required to take care of change in technology and supply the higher version of the hardware available at the time of delivery at the same total cost as per the order. The operating manuals must be supplied at the time of delivery of goods.
31. The supplier shall submit all bills in triplicate on printed forms to the University. The billing must be done with Odisha State GST billing.
32. The supplier must submit valid and up-to-date IT Clearance and GST Registration Certificate along with the bill before release of payment.
33. No interest on any deferred claim arising out of this purchase shall be payable in any casewhatsoever. No payment will be made for goods rejected at site during installation and commissioning.
34. The prices charged by the supplier for goods delivered and services performed under the contract shall not be higher from the prices quoted by the supplier in this quotation.
35. The 90% of the billed amount will be released only if the items have been received in good conditions and successful installation and commission of the different Hardwareinstalled and commissioned as per the specifications.
36. The balance 10% will be released after 30 days of the satisfactory on site performance from the final date of installation and commissioning of Hardware. All payments will be released based on separate invoices submitted to the university by the supplier. The supplier shall submit the bills in triplicate on printed forms only for the release of the balance 10% amount to the University.

Other terms and conditions

37. The University reserves the right to cancel the purchase order if the different Hardwaresupplied fail to meet the specification mentioned within the terms and conditions of this quotation 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.
38. The University reserves the right to cancel an item as ordered or cancel the whole order, if the University does not agree to a change of specification suggested by the bidder or if the bidder is not able to supply an item as per changed specifications required by the University or if there is no agreement on the revision to price.

39. The University may cancel the order if it is found that the agency is blacklisted on previous occasions by any of the departments/ institutions/ local bodies etc.
40. Any dispute arising out of the deal shall be subjected to the jurisdiction of the court at Sambalpur within the State of Odisha.
41. The University reserves the right to add/delete/change any of the terms and conditions stipulated in this quotation document.

Delivery as well as Billing Address

The Registrar
Veer SurendraSai University of Technology, Odisha
BURLA-768018
Dist. Sambalpur (Odisha)

Technical Specifications

Sl	Name of the Equipment to be Quoted	Approx. Qty	Annexure to be Complied
1.	Computer System Core i7 with latest configuration	85	A1
2.	10 KVA Online UPS with 5 Hours Power Backup	04	A2
3.	LCD Projector with all accessories for mounting on wall	10	A3
4.	a. Multi Function Device (Scanner, Printer and Photo Copier) b. Laser Printer	04 02	A4
5.	Smart Class Room	01	A5
6.	Network Printer with Online facility having scanning, duplex printing.	01	A6
7.	Machine Intelligence Lab(Robot and accessories)	LS	A7
8.	Split AC with Stabilizer	12	A8
9.	Computer Desk for Work Station with Electrical Wiring and LAN connectivity for 50 Nos	50	A9
10.	Chairs	100	A10
11.	Server	01	A11

Annexure-A1 (Technical Specification for Computer System)

Sl	Specifications	Specification Offered	Compliance (Yes/No)
1	Processor	Intel® Core™ i7-7700K Processor @ 4.50 GHz or above 8 MB Smart Cache/Quad Cores/8 Threads or above	
2	Chipset	Chipset compatible with the processor	
3	Memory	1x8 GB DDR4 RAM expandable to 64GB or above. Four DIMM slots	
		Non -ECC dual-channel upto 2133 MT/s DDR4	
4	Hard Disk Drive	1 TB HDD @ 7200 RPM or above	
5	Graphics	Integrated HD Graphics	
6	Audio	High Definition integrated Audio with internal Speaker in the CPU	
7	Ethernet	Integrated Gigabit (10/100/1000 NIC) LAN	
8	Slots	1x PCI, 1x PCIe16, 2xPCIex1	
9	Bays	2x 3.5" Internal drive bays, 1 ODD bay	
10	Ports	4 USB 2.0 ports, 4 USB 3.0 Ports	
		1 VGA Port, 2 Display Port, 1 DVI Port	
		1 RJ -45 network connector	
		1 RS- 232 Serial Port	
		3.5mm audio in/out jacks	
		PS/2 Keyboard and mouse port (Optional)	
		6 SATA 3 (6 GB/s) or above	
11	Form Factor	MT (Mini Tower)	
12	Power Supply	Min 450W	
13	Keyboard	USB 104 Keys Keyboard (same make as PC)	
14	Mouse	USB 2 Button Scroll Mouse (Same make as PC)	
15	O.S.	Genuine Microsoft Windows 10 Pro 64-bit Preloaded with recovery Media	
16	Diagnostics	BIOS Diagnostics	
18	Compliance & Certification	Energy Star version 6.1 or higher	
		MET, FCC, LINUX, Windows, EPEAT Gold	
19	System Volume	Chassis Volume 24L or more	
20	Display	21.5H 16:9 5ms 100000000:1 Max(ACM) 250nits LED 1xVGA TCO6.0	
21	ODD	Internal 5.25" DVD-RW Drive	
22	WiFi	Integrated(preferable)/PCI with Antenna based supporting 802.11n/b/g	
23	Warranty	3 Years Annual Comprehensive Warranty from the date of Installation and commission	
24	Antivirus	Quick Heal Total Security Latest for 3 Years	
25	Make	HP/Dell/IBM	
26	Model		

Annexure-A2 (Technical Specification for 10 KVA On-Line UPS)

Technical Parameters	Specification	Specification Offered	Compliance (Yes/No)
Technology	Double Conversion Based on IGBT Technology with galvanized Input and Output Isolation.		
Input			
Voltage Range	360 - 470 V AC (3Phase)		
Frequency Range	46 to 54 Hz		
Phase	Three Phase		
Power Factor	0.99 to unity.		
Input THD	< 5%		
Output			
Voltage	230 VAC		
Voltage Regulation	+ /- 1%		
Frequency (Synchronised Range)	46 - 54 Hz		
Harmonic Distortion (THD)	< 3% (linear load)		
	< 5% (non-linear load)		
Output Waveform	Pure sine wave		
Crest Factor	3:1		
Efficiency (AC - AC)	> 90%		
Power Factor	0.9		
Overload capacity	125 % for 1 minute		
	150% for 10 Seconds		
Charger	Built-in solid state float-cum-boost charger with automatic boost / trickle charge modes with current limiting features.		
Transfer time	0 ms		
General			
Operating Temperature	10 to 45 Deg. C for UPS System		
Relative Humidity	10 - 95% RH, Non Condensing		
Noise level	<45 dB @ 1 meter		

LCD Display	Mains ON		
	Inverter ON / OFF / Faulty		
	Battery Level		
	Static Bypass ON		
	Load Level		
Audible Alarm	Mains Failure alarm		
	Low Battery Alarm		
	Overload		
Protections	Advanced electronic		
	safety backed with MCBs		
	Fast acting fuses,		
	High speed pulse blanking		
	Electronic overvoltage / under voltage		
Bypass	Static Bypass		
System DC Voltage	288 V DC for 10 KVA UPS		
Communication Interface			
Standard	RS 232 port for software		
Optional	*SNMP / Web enabled		
Approved Make	APC/Numeric		
Model			

Battery			
Battery Type	12 V VRLA Sealed Maintenance Free Batteries		
Back Up Time	2 Hrs Under Full Load Conditions		
Battery Bank	Single Battery bank only in Compact Mode.		
The battery should be a reputed brand having ISO9001:2008 & ISO 14001 : 2004 Certified for quality & environment. In addition the battery should have any three of the following certifications:			
1. JIS	2. QS 9000-8230		
3. UL 198E	4. BS OHSAS - 18001 : 2007		
5. CE mark			
Approved Make	Panasonic/Quanta/Exide		

Annexure-A3 (Technical Specification for LCD Projector)

Sl. No.	Item	Technical Description	Specification Offered	Compliance (Yes/No)
1.	LCD Projector			
		Brightness: 4,000 Lumens or above		
		Contrast: 12,000:1 or above		
		Auto Iris: Yes		
		Resolution: 1280x800 or above		
		Aspect Ratio: 16:10 (WXGA) or above		
		Video Modes: 720p, 1080i, 1080p/60, 1080p/24, 1080p/30, 1080p/50, 525i, 525p, 576i, 576p, 1125i, 480p, 480i		
		Max Power: 320 Watts or above		
		Voltage: 100V - 240V		
		Connection Panel: Composite (RCA) S-Video , VGA In, Dsub-15pin, HDMI		
		Audio Out (Mini Jack)		
		Audio In (Mini Jack), Audio In (RCA)		
		Network (RJ-45)		
		RS232 (DB-9pin)		
		Lamp Life(Full Power): 5,000 hours		
		Lamp Life(eco-mode): 7,000 hours or above		
		Lamp Type: UHM		
		Lamp Wattage: 230 Watts		
		Lamp Quantity: 1		
		Display Type: 1 cm 3 LCD		
		Audible Noise: 37.0 dB Eco-Mode: 29.0 dB		
		Speakers: 10.0 W Mono		
		Digital Zoom: Yes		
		Digital Keystone: Horz&Vert		
		Approved Make: Panasonic, Sony, Epson		
2.	Mount Kit	Heavy duty Projector ceiling mount kit		
	Approved Make	Sony, Epson, Panasonic		
	Model			
3.	Projection Screen			
		123" Diagonal: 65 inches x 104 inches (1351mm x 2642 mm)		
		Surface material: Matt White		
		Image Format: 16:10		
		Surface: Fiberglass base laminated with PVC		
		Gain On Axis/0° Gain: 1		
4.	Approved Make	Draper, Milan, DNP		

Annexure-A4 (Technical Specification for Multi-Function Device)

SI	Specifications	Specification Offered	Compliance (Yes/No)
a.	Multi-Function Device (Scanner, Printer and Photo Copier)		
	Printing Technology : Laser		
	Resolution Black(dpi) : 600 x 600 dpi		
	Print Speed Black (PPM-A4) : Up to 14		
b.	Laser Printer		
	Printing Technology : Laser Print		
	Resolution : 600x600		
	DPIPrint Speed Black : 14 PPMPaper		
	Size : A4, Legal		

Annexure-A5 (Technical Specification for Digital Class Room)

Sr. No.	Parameter	DGS&D Specifications		Compliance Yes / No
1.	Type / Mounting	Free Standing Type		
2.	Construction	<p>The Lectern shall be wheel mounted capable of moving in all directions with a facility of lock them while the Electronic Lectern is in use.</p> <p>The basic enclosure shall be made of 1.6 mm thick or above CRCA steel sheet, polymer powder coated or 1.2 mm stainless steel sheet designed to work in specified environmental conditions.</p>		
3.	Display Type	Built-in highly sensitive Interactive Panel with tilt functionality and following minimum features		
(a)	Screen Type	Active Matrix Color TFT Scratch Resistant when used with electronic pen / stylus		
(b)	Size	48.3 cm (19 inches) or higher		
(c)	Resolution	1280 x 1024 or higher and 1920 x 1080 or higher for HD as applicable		
(d)	Aspect Ratio	5:4 / 16:9 or as applicable or higher		
(e)	Computer Interface	One USB, VGA Port /HDMI/DVI or equivalent port as applicable		
(f)	OS Compatibility	Compatible with Windows, Linux		
(g)	Electronic Pen	One electronic pen two button type shall form part of standard supply.		
(h)	Annotation software	Annotation software shall include features like draw, choose, pens, annotate, erase, color, shapes ,sizes, text, edit, fonts, stamp, move, capture picture, video, save,		

		rotate, undo, image gallery, print, floating keyboard and background etc.		
4.	System Details			
(a)	Processor	Intel Core i7 processor, 3.40 GHz or higher, 3MB Cache or better on OEM mother board or higher. (The tenderer will specify the make and model of CPU and Processor & Chipset while quoting the item in their tender)		
(b)	Chipset	Suitable chipset for the processor		
(c)	Memory	8 GB or higher		
(d)	HDD/Storage	1TB or higher		
(e)	Expansion I/O	LAN 10/100, VGA, 4 USB		
(f)	Audio	1 x Line-out/1 Line-in		
(g)	Operating System	Windows 10 Professional		
(h)	Antivirus	Norton Anti Virus/McAfee or equivalent with 3 year License (or specify by the bidder)		
5.	Console Panel Ports			
(a)	1 x RGB Input (other than the input of the PC in the lectern to facilitate extra PC / Laptop / Visualizer etc.)			
(b)	USB Port on the panel to facilitate inputs directly from Pen Drives / USB based hard disk Drive etc.			
(c)	RJ 45 LAN Port at the panel to connect network			
(d)	Selection switch to toggle between various sources for the output on the projection screen			
6.	Built in devices			
(a)	1 Gooseneck Mic			
(b)	2 Handheld Cordless mic			
(c)	1 Cordless Collar mic			
(d)	1 Headphone Mic			
(e)	Audio System			
(i)	with built in amplifier (2 x 20 Watts min. or above with volume control)			
(ii)	with three external speakers and each speaker			

	having (Min. RMS) 20 watt or above,at 1 KHz. Or above.		
(f)	AV Switcher with 4 Input ports (RGB/HDMI/DVI and RCA) and 2 Outputports. (RGB/HDMI/DVI) for selection of sources as in Clause 5		
7.	Provision for additional devices		
(a)	Sliding Tray for laptop/notebook/tablet etc		
(b)	Sliding shelf for Input devices/Visual Presenter/ Books/Documents		
(c)	Space for keyboard and mouse.		
8.	Power Supply	180 -240V, 50Hz, AC Supply	
9.	Security	Built in RFID authentication System orBiometric for secure access to system (Central Locking)	
10.	For Display:	LED TV, 55" or above (The Bidder should specify the MAKE of LED TV and size of the screen) or Large format LED Interactive Display	
11.	Online UPS	2kVA, 30min or more back up.	

Annexure-A6 (Technical Specification for Network Printer)

Specifications		Specifications Offered	Compliance (Yes/No)
Type	Desktop (Reader Combined + Inner Output)		
Imaging System	Laser Dry Electrostatic Transfer System		
Mono Component Toner	reduces the cost of printing		
Memory	Standard:	256MB	
	Max:	512MB	
Network Interface	Ethernet (100Base-TX / 10Base-T), USB 2.0MAC / IP ADDRESS FILTERING: Helps in restricting any outside IP address.		
On Demand Fixing	Reduces power consumption significantly, lower recovery time from sleep mode.		
Warm Up Time	30 seconds maximum after powering ON 1 second maximum from the Sleep mode		
First Copy Output Time	5.4 seconds or less		
Multiple Copies	1 to 999 sheets		
Continuous run	This feature allows user to replace tonner while printing.		
Booklet Copy	Print in booklet format for easy folding and making booklet.		
Magnification	25% to 400% (1% increment)		
Maximum Original Size	Max. A3 / 11" x 17"		
Duplex	Standard		
Copy / Print Speed	25ppm		
Twin beam Laser	For high resolution & better clarity in printing.		
Resolution	Reading:	600 x 600dpi	
	Writing:	1200 x 1200dpi	
Paper Sources (80gsm)	Paper Cassette:	Standard: 250 + 550 sheets paper capacity	
	Stack Bypass:	Standard: 100 sheets paper capacity	

Acceptable Paper Weights	Paper Cassette:	64 to 90gsm		
	Stack Bypass:	64 to 128gsm		
Minimum 100 User ID / Password for authentication	Better management and control			
Maximum Power Consumption	Approx. 1.542KW			
Toner Yield (6% Coverage)	Approx. 14,600 sheets (A4)			
Drum Yield	Approx. 132,000 sheets (A4)			
<u>Print Specification:</u>				
PDL	Standard:	UFR II LT		
Network OS	Windows 2000 / XP / Server2003 / Vista / Server2008 / Win7, Mac OSX (10.4.9 or later)			
<u>Network Specification:</u>				
Supported OS	Windows 2000 / XP / Server2003 / Vista / Server2008 / Win7			
Resolution	BW:	Up to 600 x 600dpi		
CCD SCANNER	High Speed Scanning (35 CPM)			
Higher machine Life	Minimum 7 Lacs pages			
Approved Make	Cannon/Modi/Xerox/Ricoh			
Model				

Annexure-A7(Technical Specification for Machine Intelligence Lab)

SI	Specifications	Specification Offered	Compliance (Yes/No)
1.Roborts for multi agent systems and collective behavior experiments with following specifications (02 Nos.)			
Processor	Linux core running on a 800MHz ARM Cortex-A8 Processor with C64x Fixed Point DSP core and additional microcontroller for peripherals management		
RAM	512 MB or above		
Flash	512 MB plus additional 4GB for data		
Motion	2 DC brushed motors with incremental encoders (roughly 147 pulses per mm of robot motion) and gearbox		
Speed	Max 1m/s in openloop and 0.8m/s with Factory default PID speed controller Min 0.003m/s with Factory default PID speed controller		
Sensors	8 Infra-red proximity and ambient light sensors with up to 25cm range, 4 Infra-red ground proximity sensors for line following applications and fall avoidance, 5 Ultrasonic sensors with range 25cm to 2 meters, 3-axis accelerometer and 3-axis gyroscope		
Audio	1x embedded microphone 1x 0.7W speaker (400-20'000Hz)		
Video	Integrated color camera (752x480 pixels, 30FPS or above)		
LED	3 programmable RGB LED on top of the robot		
AC adapter power	9V @ 2.5A		
Autonomy	Approximately 7 hours or more. Additional turrets will reduce battery life.		
Battery	Embedded battery, 7.4V Lithium Polymer, 3400mAh		
Docking	Ready for docking (Power input and I2C communication)		
Communications	1x USB 2.0 host (500mA), 1x USB 2.0 device, 802.11 b/g WiFi, Bluetooth 2.0 EDR		
Extension Bus	Expansion modules can be added to the robot using the KB-250 bus.		
Size	Diameter: 140 mm Height: 58 mm		
Weight	540g		

Max. payload	Approx. 2000 g		
Ground clearance	4 mm. Use only on hard and flat surfaces		
Turn radius	0cm		
Operating temperature	0-40°C		
Development Environment for Autonomous Application	GNU C/C++ compiler, for native on-board applications.		
2. Accessories for Robot:			
<i>a. Input and Output extension board for Robot</i>			
Digital IO	16 x 5V digital IO that can be independently configured as - Input - Output - PWM output		
Digital Power Output	6 x digital power outputs - up to 1 Amps per channel - externally provided voltage supply - fuse protected		
Analog Input	12 x analog inputs - timestamped 10bit analog to digital converters - 0-5V input with a 0.005V resolution		
Analog Output	8 x 8bit analog outputs - 4.5V to -5V voltage range - 15 mA drive current per channel		
CAN bus Controller	CAN bus controller and transceiver - 1Mbps data rate		
Interface	K-Net Interface (for communication with Khepera and Koala) I2C Interface (400kbps) RS232 Serial Interface (115kbps) KB-250 Male Interface (for communication with robot) KB-250 Female Interface (for stacking)		
<i>b. Expansion turret for improving the capabilities of the Robot.</i>			

Annexure-A8 (Technical Specification for Split AC with Stabilizer)

Sl	Specifications	Specification Offered	Compliance (Yes/No)
A. Split Type AC with Inverter Technology			
1.	Voltage/Frequency/Phase	230 V / 50 Hz / Single	
2.	Power Input (Watt)	2100	
3.	Running Current (Amps)	8.9	
4.	Compressor Type	Inverter Rotary	
5.	Anti-Bacteria Filter :		
	Catechin / Silver Ion / Anti - bacterial / Anti - acarine / Active Carbon / Vitamin C / Dust Filter		
6.	Nominal Capacity	2 Ton	
7.	Cooling Capacity(w)	6560	
8.	Star Rating	3 or above	
9.	Noise Level Indoor (high/medium/low) in db	51 / 48 / 42	
10.	Sleep Mode	Should Present	
11.	Dehumidification	2.1 Ltr/hr	
12.	Evaporator Fin Type	Hydrophilic Blue Fins	
13.	Night Glow Buttons on Remote	Should Present	
14.	Make		
15.	Model		
B. Stabilizer			
1	Input Voltage	160V-250V AC	
	Output Voltage	220V ± 1%	
	Capacity	15 A	
	Low & High Voltage cut-off Protection, Latest IC Technology, Built In Thermal Overload Protection, Wall Mounting Cabinet Design		
C.	Make		
	Model		

Annexure-A9 (Computer Desk)

SI	Specifications	Specification Offered	Compliance (Yes/No)
1	Computer Desk for WorkStation with Electrical Wiring and LAN connectivity fitted in the Desk 50 Nos of Compute System. 3-Switch points to be provided separately in the computer room for ACs and One for UPS.		

Annexure-A10 (Plastic Moulded Chair)

SI	Specifications	Specification Offered	Compliance (Yes/No)
1	Plastic MouldedChair without Arm Approved Make : Neel Kamal /Cello		

Annexure-A11(Computer Server)

Technical Specifications	
Form Factor	Tower
Processor Make	Intel Xeon
Max. Number Of Sockets Available On Chipset	2
Max. Number Of Sockets Populated With Processor	2
No. Of Processors	2
Processor Configuration	8 core @ 2.10 GHz with 20 MB smart cache memory
Number Of Core Per Processor	8 or above
Chipset	Compatible With CPU
Motherboard	OEM Compatible With CPU
PCI Slots (Express Gen 3.0 Min.)	6 x PCIe 3.0 or above
Memory (DDR4 RAM Min.)	64 GB or above
DDR4 RAM Upgradable Upto (Minimum)	384 GB or above
DIMM Slots (Minimum)	12 or above
Hard Disk Drive Capacity	3 X 1000 GB or above
Hard Disk Drive RPM With SAS(hot Plug Or Better)	7200 RPM
RAID Controller Caches	1024 MB
RAID Controller	PERC H730
RAID Controller Ports	8
Video Controller	VGA Or Above Resolution
Keyboard	USB standard
Mouse	USB Optical scroll
Bays (min. 2 Internal Or More Hot Plug)	8 or above
USB Ports (version 2.0/3.0)	5 or above
Certifications, Compliance & Support	By Windows, Red Hat and Novell.
DVD ROM (or Better)	8x or better
Networking Port	Dual LAN (10/100/1000) Network Card with Remote Wake Up Facility
FC HBA Dual Port Card	Not-Available
FC HBA Dual Port Card Speed	NA
Power Management	Screen blanking, hard disk & system idle mode in power on, set up password, power supply surge protected
Redundant Power Supply	Yes
Redundant Fan	Yes
Server Main Supply	230V, ± 1 0%,50 Hz
Warranty	3 years
Approved Make	IBM/HP/Dell
Model	

Information Sheet of the Bidder

S/L	Description	To be filled in by the supplier
1.	Name of the Supplier/ Dealer/ OEM/Agency	
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.	Certificate w.r.t. Authorized dealer	
7.	Details of Bank Draft towards the cost of quotation documents	
8.	Details of Bank Draft towards EMD	
9.	GST Registration details	
10.	Experience Details (with proof of orders from organization to which supplied earlier)	

DECLARARION: 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.

Undertaking by the Bidder

To

The Registrar,
Veer SurendraSai University of Technology,
Burla-768018.
Dist-Sambalpur, Odisha

Subject: Quotation for "Supply, installation and commissioning of different Hardware".

Dear Sir,

We have studied the full contents of the quotation call document and agree to quote by the guidelines, terms and conditions laid in this quotation document.

We enclose all the sheets of this quotation call document duly signed by us on every page, as a token of accepting all the guidelines, terms and conditions laid in this quotation document.

In case of non- observance of any of the guidelines, terms and conditions mentioned in this quotation document by us, we understand that our quotation/purchase order (as the case may be) may be cancelled.

We warrant that the goods supplied under this contract are new, unused, of the most recent or current models, and they incorporate all recent improvements in design and materials and all the services configured shall render trouble free function.

We hereby agree to supply, install and commission of all the Hardware items as per the terms and conditions of this quotation call document if we are offered to execute the contract.

Signature of.....

In capacity of.....

Duly authorized to sign the quotation for and on behalf of
Name and Address of the authorized Signatory

DateSignature

Financial Bid Proforma

Use separate Sheet as per the Specification in Annexure(s) for EACH ITEM.

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

Name of the OEM/Business Partner of OEM/ Authorized Dealer: _____

Financial Bid for ANNEXURE A1/A2/./A10

Name of the Product: _____

SL	ITEM	Unit Price(INR)
1.	Base Price	
2.	GST	
3.	Other Tax (if any)	
	Total(1+2+3)	
(in Rupees.....)		

Authorized Signature
with Seal