

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
Different Equipment (Hardware) for Biju Patnaik e-Learning Centre, VSSUT, Burla.

Tender Call Notice No. VSSUT/BPE-Learning/3741/2018

Date: 10/12/2018

Submitted by

M/s.....

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Last Date and Time of Submission of Tenders by Registered/Speed Post Only	: 31.12.2018 : 5.00 PM
Cost of Tender Documents	: Rs 500/- (Rupees Five Hundred Only)
Date & Time of Opening of Technical bid	: 02.01.2019 : 3.00 PM
Date & Time of Opening of Price bid	: 04.01.2019 : 3.00 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.

Handwritten signatures and dates at the bottom of the page, including: 9/12/18, Speed 9/12/18, 2/12/18, 9/12/18, 9/12/18, 9/12/18, 9/12/18, 9/12/18, 9/12/18, 9/12/18.



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/BPE-Learning/ 3741 /2018

Date: 11/12/2018

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 Equipment (Hardware) for the Biju Patnaik e-Learning Centre of the University. The last date of submission of Tender is 31.12.2018 5.00 PM. The Technical & Financial bid shall be opened on 02.01.2019 and 04.01.2019 at 3.00 PM respectively. For details visit University website www.vssut.ac.in.

Sd/-
Registrar

Memo No. VSSUT/ VSSUT/BPE-Learning/3742(6)/2018

Dated: 10 / 12 / 2018

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 New Indian Express (English Daily)" newspaper on or before 12/12/2018 in I&PR approved rates in one issue using minimum space. The bill may be sent in triplicate along with 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 Vice Chancellor.
6. PA to Registrar for information vide the approval of Vice Chancellor

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REGISTRAR
Registrar

VSS University of Technology
Burla, Sambalpur

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VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, ODISHA, BURLA

**Tender call notice for supply, installation and commissioning of
Different Equipment (Hardware) for the Biju Patnayak e-Learning Centre**

Tender Call Notice No. VSSUT/BPE-Learning/3741/2018

Date: 10/12/2018

The "Registrar, Veer Surendra Sai University of Technology, Burla" invites sealed Tenders from the intending reputed Original Equipment Manufacturer or its registered authorized dealers for supply, installation, commissioning of Different Equipment (Hardware) for Biju Patnaik e-Learning Centre, VSSUT, Burla.

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

This Tender document contains the following.

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

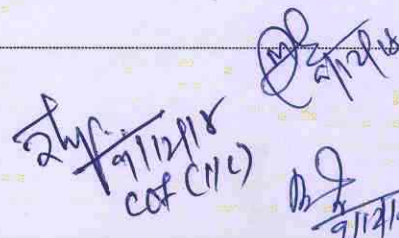
Important Dates

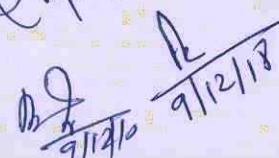
Last Date and Time of Submission of Tenders by Registered/Speed Post Only	: 31.12.2018 : 5.00 PM
Cost of Tender Documents	: Rs 500/- (Rupees Five Hundred Only)
Date & Time of Opening of Technical bid	: 02.01.2019 : 3.00 PM
Date & Time of Opening of Price bid	: 04.01.2019 : 3.00 PM



Sd/- 10/12/18
Registrar


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General Guidelines for Submission of Tender

1. The bidder shall furnish an unconditional acceptance of all the terms and conditions of this Tender call document. The Tenders without such certificate shall be liable for rejection. No correspondence will be entertained from the bidder on this subject.
2. The person signing the Tender or other documents shall indicate his full name below his signature in all pages.
3. 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.
4. **Eligibility of the Bidder:** The bidder should verify its eligibility criteria as mentioned below before submitting the Tender and enclose the required documents in the sequence listed below, to avoid rejection or disqualification of the Tender. 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 to 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.



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h. The bidder shall have sufficient experience in maintenance of Hardware.


5. **Cost of Tender documents:** The cost of Tender documents is Rs.500/- (Rupees Five Hundred Only) (Non-refundable). The Tender documents can be downloaded from the University website www.vssut.ac.in and have to deposit a DD equal to the cost of Tender documents drawn in favor of "VSSUT, Burla" payable at SBI, Burla or Syndicate Bank, VSSUT, Burla along with Tender.
6. The Tender 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 "**Tender for Different Equipment (Hardware) for Biju Patnaik e-Learning Centre, VSSUT, Burla**", **Last Date of Submission with Time** and also the tender call notice number on the top of the Tender Cover.
7. **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 "VSSUT, 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.
8. **Submission of Tender and Documents Required**
- This Tender 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 Tender document. (This document should be printed on both side of the A4 size paper sheet).
 - The completed document must reach to "The Registrar, Veer Surendra Sai University of Technology, Burla and PO. Burla, Dist. Sambalpur-768018 (Odisha) by the last date of submission as per the tender call notice, under a sealed cover by registered/speed post only. The Tenders received after the due date & time is liable to be rejected. Tender by FAX/e-mail or any other media will not be entertained.
 - The envelope containing the Tender must be super-scribed as "Tender call notice for supply, installation and commissioning of Different Equipment (Hardware) for Biju Patnaik e-Learning Centre, VSSUT, Burla" with due date & time of submission.
 - The University is not responsible for delay, loss or non-receipt of Tender documents sent by the post.

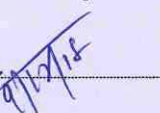
12. The Tender should contain the following documents.

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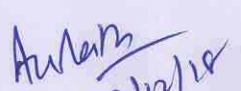

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a. Technical bid containing,

- i. This Tender document signed on each page by the authorized signatory of the bidder.
- ii. Self-attested copy of PAN, GST Registration etc., issued by appropriate Government authority for the required services with seal of the Tender.
- iii. Bank draft (Non-refundable) towards the cost of Tender 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 Only for different 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. 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.

9. The Tender 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 Tender 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.
10. 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.
11. The Tender document is not transferable. The Tenders 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.

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12. It may be noted that one agency cannot represent or quote on behalf of more than one dealer in the particular Tender. Such Tenders if received will not be considered.


Price and its Validity

13. 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.
14. The Tender shall contain the firm and final rates in clear and unambiguous terms in Indian Rupees.
15. The quoted price must be inclusive of all taxes including GST, freight, packing, forwarding, transit insurance, training etc. and must be shown clearly against each entity for delivery at site. The installation, commissioning and demonstration shall be at the supplier cost.
16. The bidder shall also indicate the applicable prevailing GST.

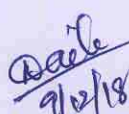
Evaluation and Award of Contract

17. 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.
18. 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.
19. 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 on the upgraded technical specification, if necessary, by negotiations and as agreed upon by both parties.
20. The University reserves the right to order all or part or none of the items and/or services given in this document.
21. 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.
22. 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.


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Delivery Period

23. 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.
24. 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

25. 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

26. The Hardware supplied will be under comprehensive warranty for a minimum period of 1 year or more than 1 Years offered by the Company, if any, from the date of installation and commissioning.

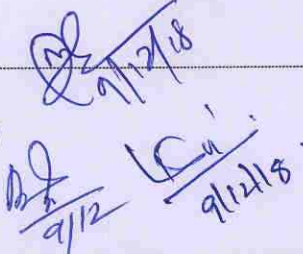
Services

27. 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.
28. 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.
29. The supplier shall submit all bills in triplicate on printed forms to the University. The billing must be done with Odisha State GST billing.
30. The supplier must submit valid and up-to-date IT Clearance and GST Registration Certificate along with the bill before release of payment.
31. No interest on any deferred claim arising out of this purchase shall be payable in any case whatsoever. No payment will be made for goods rejected at site during installation and commissioning.
32. 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 Tender.


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33. 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 Hardware installed and commissioned as per the specifications.
34. 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

35. The University reserves the right to cancel the purchase order if the different Hardware 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.
36. 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.
37. 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.
38. Any dispute arising out of the deal shall be subjected to the jurisdiction of the court at Sambalpur within the State of Odisha.
39. The University reserves the right to add/delete/change any of the terms and conditions stipulated in this Tender document.
40. Any Queries in terms of this Tender Call Notice may please be made to Convener, Project Implementation committee during office hours, Phone: 9437577560.
41. The bidders are requested to watch our web site regularly for further notifications.
42. **The bidder has to print the Logo of Power Grid and Name in all supplied items.**

Delivery as well as Billing Address

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

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Technical Specifications

Sl.	Name of the Equipment to be Quoted	Approx. Qty	Annexure to be Complied
1.	Computer System for the Central Computer Hall	150	A1
2.	Servers for the Central Computer Hall	02	A2
3.	10 KVA Online UPS with Battery Bank	03	A3
4.	Multi-point Video Conferencing equipment with in-built audio system and LED TV	01	A4
5.	Audio System for 500 seated gallery Hall with accessories	500	A5
6.	Wi-Fi Routers with 20 Nos. of Compatible Access Points	01	A6
7.	Copier and Heavy Duty Printer	01	A7
8.	CCTV Surveillance system with 16 Channel NVR with 10 Nos of Dome Camera and 02 Nos of PTZ Camera.	Set	A8

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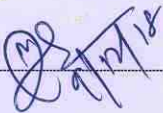




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(Computer Server) Annexure-A2

Technical Parameters	Specification	Specification Offered	Compliance (Yes/No)
Chassis	Maximum 5U Tower		
CPU	One latest generation Intel Skylake Gold processor 5120		
CPU L3 CACHE	Minimum 8MB Level3 Cache		
Memory			
Motherboard	Intel® C236 Series Chipset		
Memory	48 GB DIMMS scalable to at least upto 192 GB, using DDR4 ECC DIMM memory modules. Maximum 6 DIMM slots.		
HDD Bays	Support up to 8 LFF/SFF drive bays from day 1.		
Optical drive Bay	One optional optical drive bay to install DVD-ROM or DVD-RW (depending on HDD selection)		
Hard disk drive	3 X 1.2 TB SAS HDD		
Storage Controller	Hardware based Raid Controller with RAID 0/1/1+0/5 support.		
Networking features	1Gb 2-port network adaptor.		
Interfaces	Video - 2 (Rear) USB 3.0 4 (4 rear), USB 2.0 3 (2 front, 1 internal) Network RJ-45 (Ethernet) - 1 for ILO/IPMI remote management.		
Bus Slots	Five PCI-Express 3.0 slots, atleast two x16 slots		
Industry Standard Compliance	PCIe 3.0 Compliant, PXE Support, WOL Support, Microsoft® Logo certifications, USB 2.0 /3.0 Support		
Security	Power-on password Setup password Power switch security Administrator's password TPM 1.2, TPM 2.0, UEFI		

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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		
	SNMP / Web enabled		
Approved Make	APC/Numeric/Aplab		
Model			
Battery			
Battery Type	12 V VRLA Sealed Maintenance Free Batteries		
Back Up Time	1 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		

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(Multipoint Video Conferencing and Audio) Annexure-A4

1. Video Wall Specification

Item Description	Features	Specification	Compliance Y / N
DISPLAY PANEL	Screen Size	55-Inch	
	Resolution	1920 x 1080 (FHD)	
	Aspect Ratio	16:9	
	Panel Technology	IPS	
	Brightness	500cd/m ²	
	Viewing Angle (H x V)	178 ⁰ /178 ⁰	
I/O INTERFACE	HDMI In	*2	
	DP In	*1	
	DP Out	*1	
	DVI-D In	*1	
	DVI-D Out	*1	
	USB	*1	
	RS232C In	*1	
	RS232C Out	*1	
	Audio Out	*1	
GENERAL	Power Supply	100 V ~ 240 V, 50-60 Hz	
	Stand By - Power Consumption	≤0.5W	
	Bezel Width	1.8mm	
	Cabinet Color	Black	
	Operating Temperature	0°C ~ 40°C	
	Operating Humidity	20% ~ 85% RH Non-Condensing	
	Storage Temperature	-10°C ~ 60°C	
	Storage Humidity	10% ~ 90% RH Non-Condensing	
CERTIFICATION		CB / EMC / CE / BIS / EER	
INCLUDED ACCESSORY	Remote Controller	Y	
	Power Cord	Y	
	Operating Manual	Y	

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(Sound, Speakers and Microphone for the Auditorium) Annexure-A5

Sl	Specification		Compliance(Y/N)
1.	Supply and installation of Desk Micro Phone to be connected into the Video Conferencing System of the e-Learning System.	500 Nos.	
2.	Caballing	As per Actual	
3.	Installation & Commissioning	Lot	

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(Wi-Fi Routers) Annexure-A6

Technical Parameters	Specification	Specification Offered	Compliance (Yes/No)
Maximum campus AP licenses	32		
Maximum remote AP licenses	32		
Maximum concurrent users/devices	2,048		
Maximum VLANs	4,096		
Active firewall sessions	32,768		
Concurrent GRE tunnels	512		
Concurrent IPsec sessions	1,024		
Mobility Access Switch tunneled-node ports	1,024		
Firewall throughput	4 Gbps		
Encrypted throughput (3DES, AES-CBC)	2.4 Gbps		
Encrypted throughput (AES-CCM)	3.4 Gbps		
Form factor/footprint	1 rack unit		
Auto-negotiating 10/100/1000BASE-T	16		
Gigabit Ethernet ports (GBIC or SFP)	2 SFP		
USB 2.0	Yes (2)		
Management/status LEDs	Yes		
LINK/ACT and status LEDs	No		
LCD panel and navigation buttons	Yes		
Console port	Yes (micro USB/RJ-45)		
Out-of-band management port	Yes		
Compatible Wi-Fi Access Points			

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(Copier and Heavy Duty Printers) Annexure-A7

Parameters	Specification	Complied (Y/N)
Minimum copying	23PPM	
Duplex Print	12 ppm	
Paper Size(Original/Image)	A3	
Scan Speed	30 ipm	
Technology	With separate Drum and Toner	
Processor	600 MHz	
Memory(RAM)	128 MB	
Duplexing Feature Availability	Standard	
Network feature Availability	Standard	
Reverse Document Feeder	Standard	
Mobile Printing through WIFI Router	Standard	
Resolution	600 x 600 dpi	
Zoom	25% to 400%	
Input Tray Capacity	250	
Multi-Purpose Tray	100 Sheet	
Maximum Paper Capacity	600 sheets	
Multiple copying	UP TO 999 pages	
Duty Cycle (Per month)	50000 Pages	
Warranty	1 Year onsite from OEM	

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(Specification for CCTV Surveillance System) Annexure-A8

1. Megapixel IP dome Camera

Sl. No.	Parameter	Specification	Complied (Y/N)
1	Image sensor	1/3" progressive scan CMOS	
2	Min. illumination	0.028lux@F2.0, AGC on 0 Lux with IR	
3	Image Resolution	1.3 megapixel (1280 x 960) HD resolution	
4	Lens	2.8 ~ 12 mm @F1.4, angle of view: 80° ~ 28.7°	
5	Day & night	IR 30M	
6	Digital noise reduction	3D DNR	
7	Wide dynamic range	YES	
8	Backlight compensation	YES	
9	Video compression	H.264 / MJPEG	
10	Dual stream	YES	
11	Frame rate	60Hz: 30fps (1280 x 960), 30fps (1280 x 720)	
12	Image settings	Saturation, brightness, contrast adjustable through client software	
13	Alarm trigger	Motion detection, tampering alarm	
14	Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, SNMP, HTTPS, FTP, 802.1X, Qos	
15	System compatibility	ONVIF, PSIA, CGI	
16	General functionalities	User authentication, watermark	
17	IP66, weatherproof	Yes	
18	POE	YES	
19	Onboard storage	Built-in Micro SD / SDHC / SDXC card slot, up to 64 GB	
20	Vandal proof	Yes	
21	Power supply	12 VDC ± 10%, PoE (802.3af)	

2. Outdoor High Speed Dome (PTZ) Camera Technical Specification

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SI No.	Parameter	Specification	Complied (Y/N)
1	Image sensor	1.3" Progressive Scan CMOS,IP 66	
2	Min. Illumination	Color: 0.05Lux@(F1.4, AGC ON); B/W: 0.01Lux@(F1.4, AGC ON); 0 Lux with IR	
3	White balance	Auto / Manual /ATW/Indoor/Outdoor/Daylight	
4	Digital noise reduction	3D DNR	
5	Backlight compensation	BLC	
6	Wide dynamic range	128X Digital WDR	
7	Day & Night	IR Cut Filter	
8	optical zoom	20X	
9	digital zoom	16X	
10	Smart tracking	SUPPORT	
11	Pan / Tilt range	Pan: 360° endless; Tilt: - 15° ~ 90° (Auto Flip)	
12	3D intelligent positioning	SUPPORT	
13	Proportional zoom	Rotation speed can be adjusted automatically according to zoom multiples	
14	DEFOG	SUPPORT	
15	SD memory card	Micro SD Slot, up to 32GB	
16	Streams	Dual Streams	
17	Protocols	IPv4/IPv6, HTTP,HTTPS,802.1x,Qos, FTP,SMTP,UPnP,SNMP,DNS, DDNS, NTP,RTSP,RTP,TCP, UDP, IGMP,ICMP,DHCP, PPPoE	
18	Simultaneous live view	Up to 6	
19	Application programming	Open-ended API, support Onvif, PSIA and CGI	
20	Web browser	IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+, support multi-language	
21	Alarm trigger	Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception	

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22	Audio input	Optional audio input (LINE input), 2 ~ 2.4V[p-p]; output impedance: 1K Ω , \pm 10%	
23	Audio output	Line level, impedance: 600 Ω	
24	ROI encoding	SUPPORT	
25	Max. image resolution	1280 \times 960	
26	Frame rate	60Hz:30fps(1280 \times 960), 30fps (1280 \times 720)	
27	3D intelligent positioning	SUPPORT	
28	RS-485 protocols	HIKVISION, Pelco-P, Pelco-D, self-adaptive	
29	Power	-A: 24VAC, max. 50W	
30	Working temperature	-A: -30 $^{\circ}$ C ~ 65 $^{\circ}$ C(-22 $^{\circ}$ F ~ 149 $^{\circ}$ F)	
31	PoE	SUPPORT	
32	SVC	Support	
33	Power-off memory	SUPPORT	

3. Network Video Recorder

Sl. No.	Parameter	Specification	Complied (Y/N)
1	IP video input	128-ch	
2	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1k Ω)	
3	Incoming bandwidth	400Mbps	
4	Outgoing bandwidth	400Mbps	
5	Third-party network cameras supported	YES	
6	Recording resolution	8MP/5MP/3MP/1080p/UXGA/720p/VGA/4CIF/D CIF/2CIF/CIF/QCIF	
7	Megapixel supported	Up to 8 Megapixels resolution	
8	HDMI output	2-ch (/H models supports the HDMI outputs to be expanded to 6 channels), resolution: 1920 \times 1080P /60Hz, 1920 \times 1080P /50Hz, 1600 \times 1200/60Hz, 1280 \times 1024 /60Hz, 1280 \times 720 /60Hz, 1024 \times 768 /60Hz	
9	VGA output	1-ch, resolution: 1920 \times 1080P /60Hz, 1600 \times 1200 /60Hz, 1280 \times 1024 /60Hz, 1280 \times 720 /60Hz, 1024 \times 768 /60Hz	

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10	Audio output	1-ch, RCA (2.0Vp-p, 1KΩ)	
11	Live view / Playback resolution	8MP/5MP/3MP/1080p/UXGA/720p/VGA/4CIF/D CIF/2CIF/CIF/QCIF	
12	SATA	16 SATA interfaces for 16 HDDs	
13	eSATA	1 eSATA interface	
14	miniSAS (Optional)	1 miniSAS interface	
15	HDD Capacity	Up to 4TB capacity for each HDD	
16	Array type	RAID0, RAID1, RAID5, RAID10	
17	Serial interface	RS-232; RS-485 (reserved); Keyboard;	
18	4 Fiber Optic Interfaces	YES	
19	4 LAN Network Interfaces	YES	
20	Alarm in/out	16/8	
21	Power supply Consumption (without hard disk)	≤ 300 W	

4. Accessories for Installation as per requirement to be mentioned by the bidder.

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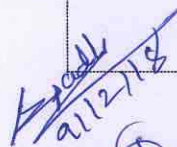






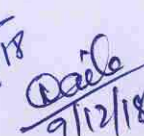

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Information Sheet of the Bidder

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 Tender 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 Tender is liable to be rejected.

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Undertaking by the Bidder

To

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

Subject: Tender for "Different Equipment (Hardware) for Biju Patnaik e-Learning Centre, VSSUT, Burla".

Dear Sir,

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

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

In case of non- observance of any of the guidelines, terms and conditions mentioned in this Tender document by us, we understand that our Tender/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 Tender call document if we are offered to execute the contract.

Signature of.....

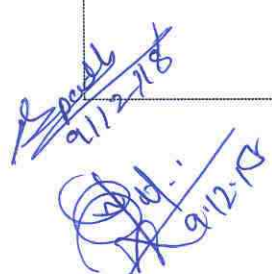
In capacity of.....

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

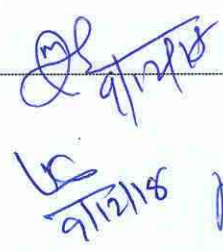
Date

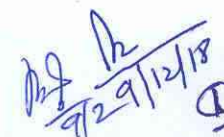
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Financial Bid Proforma

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/./A**

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

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The bottom section of the page contains several handwritten signatures and dates in blue ink. On the left, there are two signatures with dates '9/12/18'. In the center, there is a large signature with '9/12/18' and another signature with '9/12/18 COFC (1/c)'. On the right, there are more signatures with dates '9/12/18'. A small number '30' is written in the center of this section.