

**Notice inviting tenders for supply, installation, testing and commissioning
of Central Storage for CCTV surveillance equipment at IIT Kanpur**



Security Section

Indian Institute of Technology Kanpur



भारतीय प्रौद्योगिकी संस्थान कानपुर
Indian Institute of Technology Kanpur
सुरक्षा अनुभाग
SECURITY SECTION

Notice inviting tenders for supply, installation, testing and commissioning of Central Storage for CCTV surveillance equipment at IIT Kanpur.

Sealed bids for supply, installation, testing and commissioning of **Central Storage** for CCTV surveillance equipment are invited under Two-Bid System.

Details of Bid:

Tender No.	Security/CCTV/2018-19/01
Posting Date	24.07.2018
Last Date and time of submission	13.08.2018
Validity of Bid	90 days
Place of receiving the bid	Joint Registrar Central Stores and Purchase IIT Kanpur Kanpur 208016
Total Number of pages in this Tender Document	7 pages (Including format for financial Bid)
Type of bid	Two-bid system. Technical bid and Financial bid should be in separate sealed envelopes, suitably labeled and put in a single sealed envelope. The tender number should be mentioned on this envelope.
Important Note	In case there is any doubt with any point in the tender, the same should be brought to notice via email to Assistant Security Officer, IIT Kanpur`` Email: rameshs@iitk.ac.in

Checklist for Enclosures

(Bidder should fill up YES or NO without fail)

Sl. No:	Bid Enclosures	YES or No
1.	Whether Technical Bid (Envelope-A) and Price Bid (Envelope-B) prepared and signed and stamped in all pages by the Authorized Signatory?	
2.	Whether the Tender is submitted in two covers namely Technical Bid (Envelope-A) and Price Bid (Envelope-B) ?	
3.	Whether two covers are put into an outer cover?	
4.	Whether Technical Bid (Envelope-A) contains the following	
4.1	Bidder's covering letter in the Letter Head signed and stamped by the Authorized Signatory.	
4.2	Whether proof that the firm has at least one service center in Kanpur enclosed?	
4.3	Whether Document relating to GST Registration enclosed?	
4.5	Whether OEM Authorization Certificate is enclosed?	
4.6	Whether related Technical Data Sheets for Central Storage are enclosed?	
5.	Whether Price Bid (Envelope-B) contains the following	
5.1	Duly filled Price Bid which is signed and stamped by the Authorized Signatory put inside the Envelope - B?	

Eligibility Criteria

S.No.	Required Technical Specification	Compliance (Yes/No)
	Eligibility Criteria	
1	The Bidder should submit the OEM authorization letter from the OEM. Original letter of authorization from the principal specific to the tender should be enclosed.	
2	OEM should have ISO 9001 and 14001 for manufacturing	
3	The vendor must have experience in installation, integration and maintenance/management of Local Area Network/Wide Area Network Documentary evidence in the form of Purchase orders / Work orders / Client contracts / Client completion certificate must be submitted.	
4	Single point of contact for troubleshooting or a helpdesk team will function as a single point of contact for all sorts of problem for this system or for the complete setup. Bidder should have local presence.	

ANNEXURE A

(Technical Specifications)

S.N o.	Required Technical Specification		Compliance (Yes/No)	Remarks if any deviation
External Unified Storage				
1	Form Factor/Mounting	3U/19" Rack Mounted		
2	Recording storage	Raw Space 160TB per appliance		
3	Drive Support	16 Drives(3.5") 10TB Each per appliance		
4	Scalability with Jbod	upto 112 drives via cascading per appliance		
5	No. of Controllers	02 nos. in high availability mode.		
6	Host interface Type	FC or iSCSI or FCoE or Ethernet		
7	No of Host interface	12 nos.(4x 1Gbps Base-T port and 2 x 10 Gbps iSCSI copper port)		
8	Drive Type	NL-SAS HDD, 7000 RPM or higher		
9	Processor	64 bit 6 core processor @1.1 Ghz per controller or equivalent		
10	Cache	16 GB per Controller and upgradable to 32 GB per controller		
11	Storage Capacity	125 TB Usable after RAID5 with hot spare configuration per appliance.		
12	Power Supply	Three redundant 250W (Up to Four) 90-264V, Hot swappable N+1 Design 'per appliance'		
13	Fan	Hot swappable redundant design		
14	Battery backup module	Yes		
15	RAID configuration	RAID 5/6		
16	Virtual Drives	Maximum 256 virtual drives		
17	Hot Spare Disk	It shall provide at least one hot spare disk per appliance.		
18	The storage system shall come with advanced RAID features that deliver robust data protection capability including Predictive Data Migration, Intelligent Bad Sector Remapping, SMART Error Handling, NVRAM Error Logging, Disk Slot Power Control, Read/Write Check Table, and Write-hole Table Protection.	Non-stop operation and data protection		

S.No.	Required Technical Specification	Compliance (Yes/No)	Remarks if any deviation
19	The storage system shall come standard with Advanced Battery Flash Backup design that uses power fromBBU module to save write cache data held in DDR3 to non-volatile NAND flash memory.		
20	Certifications / Regulatory compliance	CE, FCC, UL, ROHS, BIS OEM should have ISO 9001 and 14001 for manufacturing	
21	Warranty/Replacement	Three years warranty/replacement from OEM for appliance including NL-SAS HDDs	

BIDDER DETAILS:

i.	Company Address	
ii.	Contact Person	
iii.	E-Mail	
iv.	Phone	
v.	Mobile	
vi.	FAX	

(Authorised Signatory)

FORMAT FOR PRICE BID

Sno.	Item Description	Qty	Unit Price	GST	Amount
1.	Please mention FULL particulars of the item quoted, with model number, make etc. Warranty should be mentioned here	01 set			
2.	Charges, if any, under any other head may be added in separate rows				
Grand Total (In Figures)					
Grand Total (In Words):					

(Authorised Signatory)