



भारतीय उष्णदेशीय मौसम विज्ञान संस्थान  
INDIAN INSTITUTE OF TROPICAL METEOROLOGY,  
(पृथ्वी विज्ञान मंत्रालय का स्वायत्त संस्थान, भारत सरकार के अधीन)  
(An Autonomous Institute of the Ministry of Earth Sciences, Govt. of India)

UCP

सं. पी. एस. / No. PS/128/78/2006

दिनांक / Date :

मेसर्स./ M/s.

प्रिय महोदय / Dear Sirs,

“दिनांक \_\_\_\_\_ की पूछताछ से \_\_\_\_\_ की अनुक्रिया में दिनांक \_\_\_\_\_ की नवोदित दर सूची,” लिफाफे पर लिखे मुहरबंद निवोदित दर सूची निम्नलिखित भण्डारों की आपूर्ति के लिए संस्थान दिनांक \_\_\_\_\_ के 18.00 घंटों तक निमंत्रित है जिन्हे दूसरे दिन 15.00 घंटों तक खोला जाएगा।

Quotation in sealed cover superscribed there on Quotation due on **08/05/2007** response to Enquiry No. **PS/128/78/2006** dated **18/04/2007** are invited for the supply of under-mentioned stores so as to reach this institute latest by 18-00 hours on **08/05/2007** which will be opened on the next day at 15-00 hours.

सामान्यतः खोलने के दिनांक से कम से कम 60 दिनों की अवधि तक यह निवेदित दरसूची वैध रहेगी।

The quotation shall normally remain valid for a minimum period of 60 days from the date of opening

इस पष्ठ की दूसरी और छपे अनुदेबजों को ध्यान में रख कर निवोदित दरसूची भरी जाएगी।

The quotation shall be filled in with the consideration to the instruction printed overleaf.

क्रम सं. Sr. No.	भण्डार का विवरण Description of Stores	इकाई Unit	मात्रा Quantity
01	Workstations (As per specifications enclosed)	Nos.	Seven

**Note:- (1) Enquiry Letter No. and due date should be mentioned on the top of envelop.**  
**(2) The Technical Literature should be enclosed along with the quotation.**

एस.टी./सी.एस.टी./आदि के लिए संस्थान  
कोई रियाती फार्म नहीं दे सकता।  
This Institute is unable to furnish any  
Concessional form for S.T / C.S.T. / etc.

भवदिय / Yours Faithfully

(S. R. Nirgude)  
Senior Technical Officer - II  
for Director

तार : ट्रॉपमेट, पुणे Grams : TROPMET, PUNE

फैक्स : Fax : (020) 25893825 दूरभाष : Telephone : 25893600 / 25893675 - 81

डॉ. होमी भाभा मार्ग, पाषाण / Dr. Homi Bhabha Road, Pashan, पुणे / Pune - 411 008 ( भारत / India )

## TERMS AND CONDITIONS

1. Sealed tender, addressed to Director, IITM, NCL Post Office, Pashan, Pune-411008, India, must be submitted in a sealed cover superscribing the tender No. , due date of opening and the item quoted.
2. A letter of AUTHORIZED REPRESENTATIVE from the principal should invariably be attached with quotation.
3. The tender must be valid for a period of at least 120 days from the date of opening of the Tenders.
4. Supplier shall finally warrant that all the stores, equipment and components supplied under the ORDER shall be new and of the first quality according to the specifications and shall be free from all defects (even concealed fault, deficiency in the design material and workmanship).
5. Tender must clearly indicate the features offered unit price, sales tax, transport, transit-insurance, installation charges. Institute cannot furnish any certificate for exemption or reduction in sales tax or any other duty/tax. The vendor should mention the price of the equipment and the duties/taxes to be paid such as sales taxes etc. separately.
6. As this Institute is exempted from payment of Custom Duty and Excise Duty, exemption certificate will be issued on request if necessary.
7. The equipment must carry on-site warranty for **One Year** from the date of taking over of the equipment after the successful completion of acceptance tests.

Prices may please be quoted for one year warranty. Also the cost for 2 years warranty may please be indicated separately.

8. Payment terms:
  - (A) No advance can be paid
  - (B) For the firms quoting in Foreign Currency –
    - (a) By irrevocable Letter of Credit through the State Bank of India for FOB value excluding the Indian Agent's commission which shall be paid directly to Indian Agents in India rupees after receipt and installation of materials in sound condition and successful installation/completion only.
    - (b) Clause relating to charges for Letter of Credit: - All Charges outside India to be charged to beneficiary account.
    - (c) Charges for amendment to Letter of Credit: - If amendment charges accrue due to request from the beneficiary, the same should be charged to beneficiary account.
  - (B) For the firms quoting in Indian Currency - **90 %** Payment after satisfactory installation and **10 %** Payment after execution of Bank Guarantee from a Nationalised Bank which will be valid till the expiry of warranty period including extension if any.
11. The name of the manufacture should be clearly mentioned in the offer. In case of the acceptance of the offer, the tenderer shall have to furnish a certificate of origin from the Chamber of Commerce of exporting country along with negotiable shipping document
12. Name and address of Indian Agents and the services rendered by them.

13. The Prices may quoted for FOB / FCA value including packing, forwarding and inland freight charges.
14. Percentage & amount of Indian agency commission included in the FOB value.
15. Insurance shall be arranged by the Institute if the mode of dispatch is air freight.
16. A copy of the latest Income Tax Clearance Certificate from Income Tax Department (INDIA).
17. A list of the Institutes / users should be attached where vendor has supplied the equipments in question in the past.
18. The prices quoted should be firm and irrevocable and not subject to any change whatsoever, even due to increase in cost of raw material components and fluctuation in the foreign exchange rates and excise duty.
19. The Institute is autonomous scientific research organization under the Department of Earth Sciences and is a recognized center for studies leading to M.Sc. and Ph.D. of the University of Pune and various other Universities. As such, all possible concessions/discounts/rebates available for Academic Institutions may be given.
20. Octroi payment if any, the same may please be shown separately.
21. Acceptance tests to be prescribed later will be carried out after installation and the items will be taken over only after successful completion of the acceptance tests.
22. The delivery of the entire equipment should be completed within eight weeks from the date of supply order and the equipment must be installed and commissioned within ten days after the delivery. Detailed information in this regard may be furnished.
23. The vendor should have the appropriate facilities and trained personnel for supply, installation, and commissioning and warranty maintenance of the equipment to be supplied.
24. The vendor may furnish details of his company profile and servicing facilities available locally.
25. Vendors shall supply the required consumables/spares/accessories (costing not more than 15% of the total cost of the equipment) at least for 5 years
26. Partial Shipment will not be accepted.
27. This tender is not transferable.
28. In case of any dispute regarding part-shipment, non-compliance of any feature etc., the Director, Indian Institute of Tropical Meteorology, Pune (INDIA) will be the final authority to decide the appropriate action and it will be binding on the vendor.
29. Part and incomplete tenders are liable to be rejected.
30. Director reserves the right to reject any or all tenders without assigning any reasons.

**(S. R. Nirgude)**  
**Senior Technical Officer-II**  
**for Director**

Indian Institute of Tropical Meteorology  
Pashan, Pune – 411 008

(Enclosure to Enquiry Letter No. PS/128/78/2006/

dated 18.04.2007)

**Specification of Internet Server : - Qty:6Nos**

Processor	One Next-Generation dual core processors with 2000Mhz System Bus/FSB. 2.6Ghz.
Cache	L1 cache 128Kb, 2Mb L2 Cache, 1 MB Level 2 per core
System Architecture/CP U Interconnect	HyperTransport 8 GB/s (Processor to South Bridge) X16 HyperTransport 8 GB/s (CPU-0 to CPU-1)
Graphics Controller	ASPEED AST2000
DIMM Slots Memory type	8 DIMM slots per processor 16 DIMM slots total system Registered DDR2/667 ECC DIMMs (128 bit plus ECC databus)
Supported Max Memory Configuration	Up to 64 GB memory supported. System configurations from 1 GB up to 64 GB.
Network	Four Integrated 10/100/1000Base-T Ethernet ports
Management	Service processor with embedded Lights Out Management (LOM) standard
Serial Interface	One Serial DB-9 Port (on rear)
SATA	Two channel SATA II interface, internal access only
USB	Six USB 2.0 ports - two front, four rear
Expansion bus	Standard: Riser card assembly with two internal 64-bit, 8-lane, low-profile, half length PCI-Express slots
Internal disk	Up to two hot-pluggable 3.5" SATA II or SAS disk drives; 250 GB.
Removable Media	Up to one EIDE DVD-ROM.
RAID	RAID 0/1/0+1 with optional 4-port SAS HBA; all supported OS with SATA II or SAS drives
Operating System	Red Hat Enterprise Linux, SUSE Linux Enterprise Server, Solaris OS or Vmware
Languages	C/C++, FORTRAN, Java programming language
Networking Standards	ONC, ONC+, NFS, WebNFS, TCP/IP, OSI, MHS, IPX/SPX, SMB technologies, and XML
Management	IPMI 2.0 compliant Service Processor with embedded Lights Out Management offering remote power, KVM (keyboard, video, mouse) and media capability
Quantity of Power Supplies	Single PSU + 1 Redundant Spare.
Power Supply	100-240 V AC
Power Rating	Must be less than 450Watts.
Noise Emission	ISO 9296 A-Weighted, Sound power:LwAd (1B= 10dB) at or below 25°C 6.9 B (a) idle, 7.2B (A) operating.
Operating Temperature	40°C to -68°C, up to 93% relative humidity, Noncondensingm 38°CMax, wet bulb.

**Regulations & Certifications** (Must comply or exceed the following requirements)

Safety	EC 60950, UL/CSA60950, EN60950, CB scheme with all country differences
RFI/EMI	FCC Class A, Part 15 47 CFR, EN55022, CISPR 22, EN300-386:v1.31, ICES-003
Immunity	EN55024, EN300-386:v1.3.2
EMC	CE Mark, Emissions and Immunity Class A Emissions Levels: FCC, C-Tick, MIC, CCC, GOST, BSMI, ESTI, DOC, S Mark
	comply with the Restriction of Hazardous Substances (RoHS) directive 2002/95/EC.H

**Internet Server Quantities**

**Mail Server 1 & Mail Server 2**

<b>Component</b>	<b>Size</b>	<b>Qty</b>
HDD	250 GB	2
RAM	2GB	1

**DNS/Web Server 1 & DNS/Web Server 2**

<b>Component</b>	<b>Size</b>	<b>Qty</b>
HDD	250 GB	2
RAM	2GB	1

**Anti-Virus Server**

<b>Component</b>	<b>Size</b>	<b>Qty</b>
HDD	250 GB	2
RAM	2GB	1

**FTP Server**

<b>Component</b>	<b>Size</b>	<b>Qty</b>
HDD	500 GB	2
RAM	2GB	1

<b>Component</b>	<b>Size</b>	<b>Qty</b>
DVD-ROM/CD-RW	External	1

**(P. T. O.....)**

**Server for LIP LIBSYS Library Management Server : - Qty 1 No.**

Processor	4 core 1.0 GHz, T1 processor, equivalent or better
Architecture	RISC V9 architecture, ECC Protected
Cache per processor	16 KB instruction 8 KB primary data cache 3 MB integrated L
Key RAS Features	Hot-pluggable disk drives Internal hardware drive mirroring (RAID 1) Redundant hot-swappable power supplies Redundant hot-swappable fans Environmental monitoring Error correction and parity checking for improved data integrity Easy replacement for most component replacements
Main Memory	Sixteen DIMM slots, DDR2 with Chipkill and DRam Sparing, ECC registered DIMMs. System maximum of 64 GB. Support for 512 MB, 1 GB, 2 GB, and 4 GB DIMMs.
Network	Four Integrated 10/100/1000Base-T Ethernet ports
Network Management	Advanced Lights Out Management (ALOM) system controller with RJ45 serial and 10/100 Mbps Ethernet ports.
Serial Interface	One Serial DB-9 Port (on rear)
SATA	Two channel SATA II interface, internal access only
USB	Four 1.1 USB ports
Expansion bus	Three PCI Express (PCIe) slots for low-profile cards (support x1, x4, and x8 width cards) Two PCI-X slots, for 64-bit 133MHz low-profile cards.
Internal disk	Up to four 73 GB 2.5" 10K rpm SAS disks, providing a maximum capacity of 292 GB. Internal Hardware RAID 1 (mirroring) and RAID 0 (striping) support.
Removable Media	One slimline DVD-R/CD-RW
RAID	RAID 0/1/0+1 with optional 4-port SAS HBA;
Operating System	Red Hat Enterprise Linux, SUSE Linux Enterprise Server, Solaris OS or Vmware
Preloaded Software	Cool Tools for CoolThreads servers
Networking Standards	ONC, ONC+, NFS, WebNFS, TCP/IP, OSI, MHS, IPX/SPX, SMB technologies, and XML
Management	IPMI 2.0 compliant Service Processor with embedded Lights Out Management offering remote power, KVM (keyboard, video, mouse) and media capability.
Power Supplies	Two redundant, hot-swappable power supplies.
Power Supply	100-240 V AC
Power Rating	Must be less than 275Watts.
Noise Emission	ISO 9296 A-Weighted, Sound power:LwAd (1B= 10dB) at or below 25°C 6.9 B (a) idle, 7.2B (A) operating.
Operating Temperature	40°C to -68°C, up to 93% relative humidity, Noncondensingm 38°CMax, wet bulb.

<b>Regulations &amp; Certifications (Must comply or exceed the following requirements)</b>	
Safety	UL/CSA-60950-1, EN60950-1, IEC60950-1 CB Scheme with all country deviations, IEC825-1, 2, and CFR21 part 1040
Ergonomics	EK1-ITB-2000
RFI/EMI	EN55022/CISPR22 Class A, FCC CFR47 Part 15 Class A, EN61000-3-2, EN61000-3-3
Immunity	EN55024/CISPR24
EMC	CE Mark, Emissions and Immunity Class A Emissions Levels: FCC, C-Tick, MIC, CCC, GOST, BSMI, ESTI, DOC, S Mark
Telecommunications	EN300-386
Regulatory markings	CE, FCC, ICES-003, C-tick, VCCI, GOST-R, MIC, UL/cUL, UL/DEMKO/GS, UL/S-mark, BSMI, CCC
	comply with the Restriction of Hazardous Substances (RoHS) directive 2002/95/EC.H

Windows 2003 Server 32 bit Operating System and 5 Users License.

**Library Management Server Quantities**

<b>Component</b>	<b>Size</b>	<b>Qty</b>
Processor Architecture	RISC	1
OS	UNIX	1
No. of per Core	4	
RAM	8Gb	1
HDD	73Gb	2
PSU	N+1	2
SCSI Interface & relevant Cables		1
LTO Tape Drive	1U	1

(S. R. Nirgude)  
Senior Technical Officer-II  
for Director