

**GOVERNMENT OF INDIA  
DEPARTMENT OF SPACE  
INDIAN INSTITUTE OF REMOTE SENSING  
IIRS  
DEHRADUN  
PURCHASE & STORES  
INVITATION TO TENDER**

Ph No: 0135 - 2524317, 4318  
Fax 0135 - 2748041  
Email: pns@iirs.gov.in

Date :20/09/2018

M/s

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Our Ref No : GIRS 2018-000120-01

Tender Due: 14:00 Hrs IST on 17/10/2018

Opening : 15:00 Hrs IST on 17/10/2018

Dear Sirs,

Please submit your sealed quotation , in the Tender Form enclosed here along with the descriptive catalogues / pamphlets / literature ,superscribed with Our Ref.No. and Due Date for the supply of the following items as per the terms & conditions mentioned in Annexure( Form No: )

S.No.	Description of Items with Specifications	Unit	Quantity
1	Upgradation of existing unified network storage as per specification and scope of work listed in Annexure II. Terms & Conditions for two part bid as per Annexure I.	job	1

**DELIVERY AT:** IIRS, DEHRADUN

**MODE OF DESPATCH** DOOR DLVRY

**DUTY EXEMPTIONS**

**SPECIAL INSTRUCTIONS** TWO PART

**SPECIFIC TERMS**



KALPANA R

PURS. & STORES OFFICER

For and on behalf of the President of India  
The Purchaser

## Specific terms and conditions to the tender

1. Please submit the Technical Details / Catalogue / Make/ Model/Data Sheets.
2. The offer should be valid for a period of 90 days from the date of opening of Tender.
3. Please quote the percentage of GST applicable.
4. Our standard delivery term is FOR, IIRS. In case any vendor offers delivery term of Ex-works, Packing and Forwarding charges if any should be indicated separately either as a percentage of the quoted rate or as a Lump sum amount.
5. We are exempted from the payment of Customs Duty and necessary exemption certificate shall be issued upon request.
6. **Payment Term:** Payment will be made within 30 days from the date of receipt and acceptance of the item at our site for order value up to 2.00Lakhs. For order value above 2.0 Lakh, 90% payment will be made within 30 days and 10% against submission of Performance Bank Guarantee for the warranty period (wherever warranty is applicable). The Performance Bank Guarantee should be valid for a period of 2 months beyond the completion of the warranty period.
7. For foreign orders our Standard Payment terms is Sight Draft.
8. **Liquidated Damages** – The delivery period quoted should be realistic. The delivery period so quoted and mentioned in the order is the essence of the order/contract. In case of delay in delivery of material as per the delivery schedule, Liquidated Damage @ 0.5% per week or part thereof on the undelivered portion subject to a maximum of 10% of the contract value shall be levied. Wherever, installation and commissioning is also involved, the supply will be deemed to have been completed only when the entire Stores is supplied, installed and accepted.
9. **Security Deposit:** - Wherever the offer value is Rs. 5.00 Lakhs or above, the successful tenderer should submit Security Deposit @ 10% of the order value by way of Bank Guarantee / FD Receipt. The Bank Guarantee shall be obtained from any Scheduled Bank on Rs.200/- Non Judicial Stamp Paper and should be valid beyond 2 months from the completion of all contractual obligations.
10. In order to avail of the benefits extended to by Govt. of India to the Micro and Small Sectors, please submit attested copy of the valid Entrepreneur Memorandum Part-II signed by the General Manager, District Industries Centre / Udyog Adhar / NSIC Registration Certification along with your offer.
11. If any bidder submits forged / false document along with the tender, offer of such vendors will be summarily rejected and such bidders will be blacklisted for all future tenders.
12. Whenever samples are required to be submitted along with the quotation, offer without sample will not be considered.

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Purchase & Stores Officer

**NO. GIRS 2018000120-01**

**SPECIAL TERMS AND CONDITIONS FOR SUBMITTING TWO PART BID**

28. This is a two part tender viz., Techno-Commercial Bid (consisting of Technical Specifications, Commercial terms & condition etc.) and Price Bid. Hence, quotation should be submitted in separate sealed covers super-scribing "**Tender No. GIRS 2018000120-01, Due on 17/10/2018 at 14:00 Hrs (Techno-Commercial Bid)**" and "**Tender No. GIRS 2018000120-01, Due on 17/10/2018 at 14:00 Hrs (Price Bid)**"
29. Both the sealed tenders (Techno commercial & Price bid) should be kept in one big cover super scribing **Tender for Upgradation of existing unified Network Storage** against Enquiry No **GIRS 2018000120-01, Due on 17/10/2018 at 14:00 Hrs** and put in the Tender Box available in Purchase Division, IIRS or send by post or Courier within the due date and time prescribed.
30. The Techno-Commercial Bid should clearly indicate the technical details, scope of supply, payment terms, delivery terms, delivery period, taxes and duties, warranty, guarantee, security deposit, performance bank guarantee, etc. under separate heads. Please note that the **price should NOT be indicated** in the Techno-Commercial Bid
31. Tender forms can be purchased from Purchase & Store Section IIRS, Dehradun on all working days on payment of ₹ 560/- in the form of DD drawn in favor of Pay & Accounts Officer, IIRS Dehradun payable at Dehradun or can be downloaded from [www.iirs.gov.in](http://www.iirs.gov.in). When tender forms are downloaded, DD for ₹560/- drawn in favor of Pay & Accounts Officer, IIRS payable at Dehradun shall be attached with Technical Bid.
32. Only Techno-Commercial bid will be opened on the date of tender opening. The price Bids of those tenderers whose Techno-Commercial Bids are found to be meeting our specifications/ requirements will be opened. The bidders are allowed to attend the tender opening on the date and time of opening.
33. Late and Delayed Tenders will not be considered. Therefore, please ensure that your tender is posted well in time to reach us before the due date and time.
34. Fax/Email offers shall not be considered.
35. All the pages of your offer should be signed/initialed by competent authority and affixed with your company's Seal...
36. **EMD of ₹ 80,000/-** to be submitted along with the Technical Bid in the form of Crossed Demand Draft drawn on any Nationalized / scheduled bank in favor of Pay & Accounts Officer, IIRS, payable at Dehradun. Quotation received without EMD will not be considered. The EMD of unsuccessful bidder will be returned after finalization of order.



[Purchase & Stores Officer]

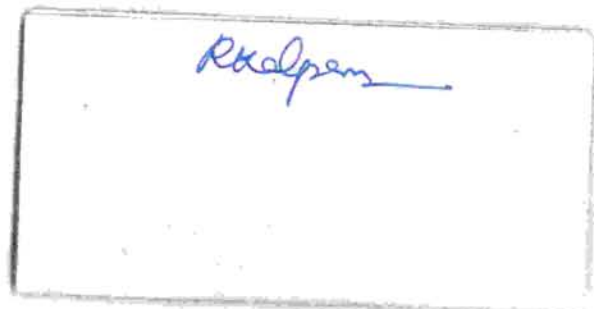
**Minimum Specifications for Existing NetApp FAS Storage  
upgradation.**

Sr. No.	Description	Compliances Yes/No
1.	<p>Upgradation of the Existing Unified NetApp FAS storage system to the NetApp brand new Dual Controllers configured with NETAPP Cluster DATA-ONTEP (CDOT) in Active-Active with HA configurations mode where controllers should be upgradable at least 20 controllers in cluster configurations.</p> <p>Controller pair must be supplied with 64 GB usable Controllers Cache/Memory across controllers.</p> <p>Storage system should be upgradable at least to 500TB with new/upgraded pair of controllers where existing 36nos 2Tb &amp; 12nos 4TB NL-SAS/SATA hard drives with its disk shelves should be fitted/integrated.</p> <p>The new system must be unified storage or better equivalent storage having facility to configure the storage as SAN and NAS.</p>	
2.	1Tb NVMe /SSD to be configured for Fast Caching.	
3.	Additional 15 x 4TB 12Gbps NL-SAS/SATA drives.	
4.	Additional 25 x 1.2TB 10K 12Gbps SAS Hard drives.	
5.	Activated/ licensed Protocols- FC/FCoE, iSCSI, CIFS,NFS	
6.	RAID Type Supported – Dual Parity , Triple parity	
7.	Interface/ Ports – 4x 10Gbps SFP+ ports & 4 x 8/16Gbps FCP ports., 4x 12Gbps back-end ports.	
8.	Built in or license for data de-duplication and compression for Block & Files.	
9.	System should support feathers like: Snap shot, Thin provisioning, Multipathing, Cloning, disaster recovery, storage virtualization etc.	
10.	GUI based management software to be supplied for managing and monitoring entire physical and virtual storage system with all supported protocols from single UI.	
11.	5 Years ONSITE OEM Hardware Warranty for upgraded items + existing 2TB & 4TB NL-SAS/SATA disk drives with its disk-shelves.	
12.	Make and Model of Existing Storage System: NetApp FAS 3240 (Dual Controller HA)	

*R Kalpana*

### Scope of Work:

- All existing 2TB (36nos), 4TB NL-SAS/SATA (12Nos) and 600GB SAS (12 No) Hard drives with its disk-shelf must be integrated with upgraded controllers.
- It will be bidder's responsibility to provide any additional dish-shelf, cables, accessories, licenses etc., if required to make system fully functional without any additional cost to IIRS.
- Entire storage system should be migrated /configured with NetApp's latest storage OS (Cluster Data ONTEP) with active-active + storage failover mode.
- Entire existing data must be available after completion of storage configuration. Any loss of data during migration will be the responsibility of the system integrator. Proper backup must be taking before migration.
- FC Zoning should be configured with existing BROCADE SAN switches for existing & new storage initiators and targets.
- MPIO should be configured for iSCSI & FCP host running in Linux and Windows environment.
- AD server should be integrated with storage system for CIFS storage.
- NFS share, FC & iSCSI LUN configuration, mapping to all hosts running in Linux and Windows environment should be done by the System Integrator.
- Existing FUJITSU LTO Tape library should be added and configured as member in FC zone (BROCADE SAN Switch).
- Any configuration if needed in BROCADE CORE Switches, BROCADE Access & SAN Switches, FUJITSU Tape library etc. should be done by the supplier.
- Hands-on training session for managing and monitoring of the storage system with user-friendly reference document.
- It will be bidder's responsibility to configure storage system and when required in warranty period even after the completion of the initial installation.
- The initial comprehensive warranty should be for 5 years from OEM, which can be extended to further 2 year based on satisfactory performance. The quotation for extended 2 years need to be provided along with this quotation itself.
- The quoted product must be latest with not older than 1 year date of launch and must be in OEM support for another 7 year.



R. Kalpen