

FILE NO.:CM/Pur/2K11/038

PROCEEDINGS OF THE PRE-BID CONFERENCE FOR THE PROCUREMENT OF
NAS WITH TAPE BACKUP SOLUTION

DATE & TIME : 08-02-2012 @ 10:30am

VENUE : C-MMACS New Building Committee Room

The Pre-bid Conference was held and the following TPC members attended the meeting:-

- | | |
|---------------------------|------------------------------------|
| 1. Dr. H.N.V. Dutt | .. Chairman |
| 2. Dr. G. K. Patra | .. Member |
| 3. Dr. K. V. Ramesh | .. Indentor |
| 4. Dr. P. Goswami | .. Project Leader – Convenor - TSC |
| 5. Representative of COFA | .. Member |
| 6. Mr. V. R. Patil | .. Member – Convenor - TPC |

The list of Prospective Bidders who attended the meeting as per Annexure-I.

At the outset, the Chairman welcomed all the Members and the representatives of the Prospective Bidders and briefed in general the scope of the Project and thereafter requested SPO to brief the vendors on the salient features of the Commercial terms and the Indenting Officer to read out the clarification sought by the Prospective Bidders and the replied thereto as detailed in Annexure-II.

The representatives present were satisfied with the replies given and it was informed that the corrections / additions / clarifications give, as discussed during the Pre-Bid Conference would be hosted on the website of C-MMACS on or before 13-02-2012 and all the Prospective Bidders are required to take cognizance of the proceedings of the Pre-Bid Conference before submitting their bids as stipulated in Clause 1.42 of the Bidding Documents.

The meeting ended with a vote of thanks to the Chair.

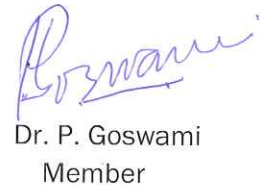
Encl: as above



Dr. G. K. Patra
Member



Dr. K. V. Ramesh
Indentor



Dr. P. Goswami
Member

Mr. M. Gopalan, SO(F&A)
Representative of COFA



Mr. V. R. Patil
Member



Dr. H.N.V. Dutt
Chairman

Tender No.:CM/PUR/2K11/38

ANNEXURE - I

DATE & TIME : 08-02-2012 @ 10.30 a.m.

VENUE: CMMACS NEW BUILDING COMMITTEE ROOM

ATTENDANCE SHEET

Pre-Bid Conference for the NAS with tape backup solution

Name of the Firm	Name of Representative	Signature
Tata Elxsi Ltd Veerendra Wanjari	Veerendra Wanjari	
Technobind	Anand. B. B. B.	
Technobind	Adrian Johnson	Adrian
Haripro. Valipont	Haripro. Valipont	Haripro
HP	Sugumar	Sugumar
HP	Srinivas Velli	
EMC	Sybil Haran	h
EMC	Anil Sharma	AS
EMC	Vijay Sita	h
EMC	RASESH	
CMC	Rajesh	
cmc	Ananth	
Frontier	Uday Deshmukh	
Frontier	Kannan	Kannan
Louzy	Rajesh Rao	Rajesh
HCL	Sahas Kashyap	
HCC	Anil Vignayan	
DDN	Atul Vidwansga	AV
DDN	Howard Weiss	
Prakash. I. G.	S. G. I.	

Tender No.:CM/PUR/2K11/38

DATE & TIME : 08-02-2012 @ 10.30 a.m.

VENUE: CMMACS NEW BUILDING COMMITTEE ROOM

ATTENDANCE SHEET

Pre-Bid Conference for the NAS with tape backup solution

Name of the Firm	Name of Representative	Signature
FATA ELXSJ .	Rishita Mukherjee	
NETAPP India Pvt. Ltd	Amit Biswas	
NetApp	JAYANTI GUSAIN	
Netapp	ARUN RAMAMORTHY	
Oracle	Madan Kumar. B	
Oracle	Samson Selwyn	
IBM	BIHARATHI	
IBM	Aggarwal	
Accl Frontline	Philips John	
Accl Frontline	M. Madhavan	
Accl Frontline	Mairanath Rajappa	
Wipro	Jobi J	
Wipro	Navin V.	
Wipro	Badrinathan	
Wipro	Rahul Birk	
SK International	Nagaraja.	

S.No	Query	Clarifications
1.0	Is it mandatory to submit 2 crore Solvency Certificate? Can 1 crore Solvency Certificate (not older than 12 months) be submitted?	Limit for solvency certificate is reduced to Rs 1 crore. Hence, 1 crore Solvency certificate (not older than 12 months) must be submitted.
1.1	Offered Storage array should be provided with minimum 1 TB (512 GB per controller) memory/cache/SSD to cater to high read & write workloads and huge file. The same should be scalable to support 2 TB of memory/cache/SSD in future, without having to upgrade the proposed storage array/model	Offered Storage array should be provided with minimum 1 TB memory/cache/SSD to cater to high read & write workloads and huge file. The same should be scalable to support 2 TB of memory/cache/SSD in future, without having to upgrade the proposed storage array/model. SSD should be used only for cache/memory.
1.2	Acceptance test Point No. 3- It is mentioned that 6 Linux (fedora) workstations are also configured to keep one backup in the storage solution Query – Could you please elaborate on what needs to be tested in this case?	Client support: To backup file systems in the Linux workstations to tape library, Backup library license for 20 clients.
1.3	We recommend customer to procure NAS storage solutions with operating systems that is based on optimized Unix/Linux operating systems and not general purpose operating systems , so that vendors quote comprehensive NAS storage solutions with better security features.	Operating System of the NAS storage Linux/Unix OS based
1.4	In lieu of 2 Nos of 8Gbps FC ports can we provide additional 2 Nos of 10Gbps Ethernet ports? Our understanding is that this is to be used for the purpose of doing NDMP based backups and this can be achieved by using 10Gb ports also.	NO
1.5	Is there a requirement to provide 10Gb Ethernet switches also or would that be provided by CMMACS	YES, one number 10Gb Ethernet switch with 24 ports from CISCO/JUNIPER or equivalent. This switch will be used to connect storage to the clients only.
1.6	Pls clarify whether the capacity mentioned is 400TB scalable to 1PB useable on NFS protocol, are inclusive or excluding the snapshot reservations? If excluded, what would be the minimum % of reservations required for the same?	In 400TB (1 PT) usable is excluding snapshot reservations of 10% i.e., 40 TB (100 TB). A true usable capacity is the one where a user sees 400TB (1 PT) on his NFS share. Exclude the space like RAID overhead, file system reserved space, checksum space etc. and then only arrive at usable capacity.
1.7	The tape drives proposed should have an integrated head cleaner, error correction to provide recovery from scratches. This is a proprietary architecture of particular OEM; No other vendor can give this option.	Tape drives should have Active/integrated head cleaner, which requires no manual intervention to do the job.
1.8	Non-disruptive drive and library firmware update: Can a single reboot for firmware update be allowed?	YES, Single reboot (tape drive only) for firmware update is allowed. It should complete within 30 min.
1.9	The server should be configured with sufficient number of 8Gbps FC HBAs to complete the backup in the backup window mentioned above. There should be a minimum of one FC port for each tape drive.	The server should be configured with sufficient number of 8Gbps FC HBAs to complete the backup in the backup window mentioned above. Each tape drive should have minimum of two FC

W. Rana
 13/2/12

P. Goswami
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3.3	Capacity Requirement: Offered storage array should be scalable to support one PB usable capacity (in NFS protocol and the same configuration as used for 400 TB) without any fork lift uplift of Storage Array with field upgradable to higher model within the family through data in place upgrade.	Upgrade should happen with additional disks and shelf only.
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W. Rasmussen
13/2/12

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