



Petroleum and Natural Gas Regulatory Board

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Tender No: PNGRB/IT/DC/OPEN/2009/1

Clarifications on the queries raised during pre-bid meeting

S. No.	Query	Clarifications
1	Please specify the testing scope on diagnostics software if in case it relates to the existing application running. We request with joint effort by the existing application vendor.	The testing scope on diagnostics software does not relate to the existing applications running.
2	Please specify number of persons and number of hours/days to provide training.	Training as per clause 19.1.15 is expected to be for such a period as may be required. However, the training shall be provided to about 5 persons in one or more batches for a period of at least 14 working days @ 6 hours/day. Accordingly, clause 19.1.15 has been amended to include the above.
3	Please specify the configuration of the existing server at PNGRB, which needs to be clustered and also specify if in case those existing servers are categorized with respect to functionality such as database, application, web etc. which will define the clustering policy.	<p>Configuration of servers is as under: Blade Server-Intel Xeon Quad Core</p> <p>1.CPU: L5410 (2.33 GHz, 12 MB L2 Cache, 1333 MHZ FSB).</p> <p>2.Motherboard : OEM Mother Board with the Chipset providing 1333MHz FSB</p> <p>3.Memory : 4GB PC2-5300 Fully Buffered DIMMs at 667 MHz, scalable to 32 GB</p> <p>4.Hard Disk Drive : 2 x 73 GB 10K rpm SFF SAS Hot Plug</p> <p>5.Hard Disk Controller : SAS based supporting RAID 0/1 with 32 MB Cache</p> <p>6.Multifunction ports : 2 Gigabit Ports</p> <p>7.Fiber channel ports : 2 Ports 4 Gb/s</p> <p>The following number of servers are categorised for defining Clustering Policy:</p> <p>Database Servers-2; Application Servers-2; Mail</p>

S. No.	Query	Clarifications
		Server-1; Web Server-1
4	Please Specify the server with configuration which will be connected with the storage sub-system for backup and the backup software.	The server configuration remains same as given above.
5	Please provide the Networking architecture layout in accordance to which the integration needs to be done and also specify the purpose/function desired under Network architecture layout of each hardware component asked in the tender.	Networking architecture is enclosed.
6	Please specify the database software	IBM DB2 version 9.1 and Oracle Database 11g Enterprise Edition (Release 11.1.0.7.0)
7	What is the work under data migration with respect to understanding of the application already running on existing servers.	Porting of server data from exiting UAT servers to the production server.
8	Please specify the versions of the Operating System.	RHEL Enterprise Server Version 5 updated 1/2/3 and Windows Server Standard 2008
9	A separate column on scope of work must be incorporated in Annexure 10 so as to give a clear picture.	Scope of work would be as given in clause 19 of the tender document. Further, it has been clearly mentioned in Annexure 10 that the rate quoted shall include installation, commissioning, integration & other related activities as mentioned in Clause 19.
10	You have not asked for any proper daily support as to place an engineer at your place for any specific time after installation and implementation.	This requirement is not in the scope of this tender.
11	We require a time of 14-15 weeks to deliver and complete the project.	Since all the parties have informed that the time period of six weeks as provided in the tender document would not be sufficient for completion of the project, the time period given in Clause 20.1 may be revised to 14 weeks, which has been agreed by the parties. Accordingly, Clause 20.1 of the tender document has been amended.
12	How many drawers you require in fire box - 2 or 3	3 drawers would be required in fire proof for tape drives. Accordingly, Annexure-11 of the tender document has been amended to include the requirement of 3 drawers in Fire proof for tape drives.
13	What about switches and all other relevant networking components.	Local area network is already established at both the locations viz WTC & OIBD Bhavan, NOIDA. Hence, no switches and other relevant networking components would be required.
14	Please clarify about bid forwarding letter and declaration within the same letter which states that, it is authorised by the OEM for vending such products on OEMs	In order to clarify further in this regard, clause 2.3 of the tender document has been amended by adding the following:

S. No.	Query	Clarifications
	behalf.	<i>"A Letter of authorisation from OEM for each item with reference to this tender must be submitted along with bid forwarding letter "</i>
15	Dual Controller should be configured with at least 4x1Gbps iSCSI ports.	As per requirement each Controller should be configured with at least 4x1Gbps iSCSI port. The same has been sized keeping in view the application requirement.
16	We recommend to add cache/memory so that major OEM fits in to specification, also cache/memory does not make any change in functional behaviour or storage, just the name used by different OEM.	It is not correct to say that cache/memory does not make any change in functional behaviour or storage because these two are technically different and OEMs also differentiate both.
17	We recommend increasing disk upgradeability to 250 so that every OEM quote same range of product.	The requirement of SAN Array is to support minimum of 16 disks and <u>upgradable to 180</u> seamlessly as mentioned in Annexure -11 of the tender document.
18	We recommend to change 600GB SAS drive to 450 GB SAS drive, which gives good balance of performance and capacity scalability.	As per the application requirement, 600 GB SAS drive is required.
19	The SAN Array should support virtual provisioning in future and also provide alert to monitor the virtual LUNs. We recommend to add license for the same.	These functions of SAN Array would be required if there are more than one data centre only. Hence, whenever another data centre is established, license could be taken at that time.
20	We recommend to change the number of snap shot to 30 per volume/LUN.	Keeping in view the application requirement, 500 snapshots per volume/LUN would be required.
21	We recommend to add license for the replication.	Item No-14 of the specification of storage with tape library given in Annxure-11 of the tender document provides that SAN Array support SAN Array based data Replication in asynchronous mode and also should be with Replication Scheduler. Hence, provision of obtaining licences for replication is already included.
22	We recommend to include Disk To Disk Backup solution, which will give advantages in terms of reduced backup window, most importantly reduced restore window, also there shall be provision of tape drive for backup of data which is required for long term retention period. Also to configure disk to disk backup system and tape, we need information like backup policy, backup window a, total current data and future growth.	Since only one data centre will be there for the time being, backup on tape drive will meet the requirement.

1. User will type the URL <http://pngrb.gov.in> and reach Web server. The Firewalls shall filter out potential attempts of illegal access to network
2. Then the request goes to the Portal server.
3. Portal server would use DB2 as its database repository.
4. Then the user gets authenticated with LDAP server.
5. According to the authentication he will get access to the Portal.
6. Authenticated users would be able to Download and Upload content from Portal Server.
7. Users of applications would be provided output from the WebSphere Application Server.
8. Users shall be able to access mail from Domino Messaging Server after authentication from LDAP

