

**Amendment to RFP 19/11-12 dated 26.09.2011**  
**For Supply, Installation and Commissioning of Servers & Other items**  
**from our empanelled vendors**

This has further reference to our amendments dated 13.10.2011 & 15.10.2011.

It has been decided to amend the subject RFP as mentioned below:

1. **Annexure E (e) - Technical Specifications- Page 21 of RFP**

**Backup Device/Tape Library Configuration at DC & DRC (1+1) 2Nos.**

Specifications	Existing Value	Amended Values
	<b>Mention Make &amp; Model</b>	<b>Mention Make &amp; Model</b>
Form factor/height	Max 2U Rack Mount	Max 2U Rack Mount
Server Compatibility	Dell and x86 IBM , HP Servers and SAN	Dell and x86 IBM , HP Servers and SAN etc.
Drive Controllers	SCSI, SAS, FC, iSCSI	SCSI, SAS, FC, iSCSI
Tape Backup Technology	LTO5 (Lower (LT04 & LT03) also to be supported	LTO5 (Lower (LT04 & LT03) also to be supported
Backup Software		Suitable Backup software with 3 years support compatible with RHEL version 5.0 and above (Please mention the details of backup software offered by the bidder)
SAS HBA for Backup Server		Bank will provide existing Wipro server for Backup server configuration at DC & DRC. Configuration of the backup server: WIPRO NETPOWER Z1502 (under AMC) - will be made available at DC & DR 1 x Intel Pentium Dual core 3.2GHz processor INTEL 3000 CHIPSET 2 x 4GB RAM 2*2 MB L2 CACHE 4*73 GB SCSI HDD - Hot swappable 2 nos DUAL CHANNEL U 320 SCSI CONTROLLER (320 MBPS PER CHANNEL) 52x CD drive RHEL 5 is the OS. <b><u>SAS HBA is not available in the above Server. Bidder has to provide the same.</u></b>
Backup Software OS Compatibility	Red Hat Enterprise Linux (RHEL)	Red Hat Enterprise Linux (RHEL)
Number of drives	Two drives, Scalable up-to Four	Two drives
Library Configurations	1 or 2 3Gb SAS/FC8 Drive(s) with 24 Slots	Two 3Gb SAS Drive(s) with 24 Slots

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## 2. Annexure I - Scope of Work

In addition to the activities mentioned in the Scope of Work (Annexure-I), the bidders are requested to undertake the following activity also.

The bidder should install and configure the backup software offered by them in our existing Wipro servers (details mentioned above) and ensure that the data is backed up successfully.

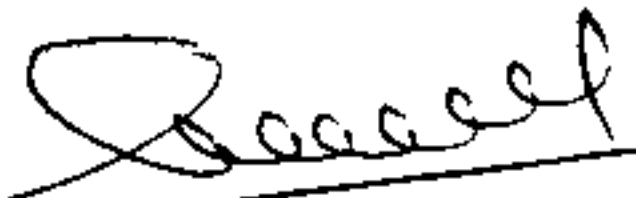
Further some of the bidders have sought certain clarifications with regard to the subject RFP. The details of clarifications sought and the replies provided by the bank are attached as Annexure to this letter of Amendment.

**Bidders are requested to quote for all the required Hardware & Software items required for successful implementation of the Project.**

**Please take note of the above Amendments and the replies provided by the Bank to the queries raised by the bidders, while submitting the response to the subject RFP.**

All the other Instructions, Terms and Conditions of the RFP remain unchanged.

PLACE: BANGALORE  
DATE: 17.10.2011

  
DEPUTY GENERAL MANAGER

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Replies to queries raised by the bidders for RFP 19/11-12 dt.26.09.11 for Supply, Installation and Commissioning of Servers and other Items

SI No.	Queries raised by the Bidders	Reply by the Bank
1	Details of Web application to be installed	In-house developed application (Based on Java ver6.0, JPA ver2.0, JSF ver2.0 and EJB ver3.1)
2	Oracle version to be installed	Oracle 11g. Licenses will be provided by the Bank.
3	Whether Oracle RAC needs to be configured.	No. Only Active-Passive configuration.
4	Whether OS support is required from the bidder or OEM support only.	Bidder to enable required support from the OEM for OS.
5	Backup software not asked in the RFP, whether backup software and agents(total no of agents and type) will be provided by the bank or the bidder.	Please refer Amendment.
6	What all data to be backed up	Oracle Database (export and datafiles, log files) and flat files from web/app server
7	Server specifications doesn't include FC/iSCSI HBA's, pls confirm how the servers will get connected to the storage	Host connectivity to storage will be iSCSI based. iSCSI HBA card to be provided for each DB servers.
8	Is there any replication between DC and DR.	Oracle database to be replicated through Oracle Dataguard. Licenses will be provided by Bank.
9	No of LTO media required in the Tape Library	LTO-5 media not required and shall be provided by the bank.
10	No of exact drives and type of connectivity whether FC/SAS	Please refer Amendment.



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Sl No.	Queries raised by the Bidders	Reply by the Bank
11	<p>What is the rationale behind the requirement of "Up to sixteen 2.5" hot-swap Serial Attached SCSI (SAS)/Serial Advanced Technology Attachment (SATA) HDDs or Solid State Drives (SSDs)" when the HDD scalability requirement is only 16TB and with external storage also in place.</p>	<p>Please refer Amendment dated 13.10.11.</p>
12	<p>General</p>	<p><u>Additional details</u></p> <ol style="list-style-type: none"> <li>1) Database servers in Active-Passive OS clustered. Connected to storage on iSCSI.</li> <li>2) Web application servers to be in Active-Active mode load balanced.</li> <li>3) Oracle Glassfish or Oracle Web logic to be installed and configured in Web Application servers, on top of which the bank's application will be installed.</li> <li>4) Crystal reports is a reporting tool that pulls out data based on database and creates reports.</li> </ol> <p>The role of this tool is to extract data from the database and display the data using the bank's application.</p>

Replies to queries raised by the bidders for RFP 19/11-12 dt.26.09.11 for Supply, Installation and Commissioning of Servers and other Items

Sl No.	Queries raised by the Bidders	Reply by the Bank
13	<p>1) Page - 21 - Config (e) - Backup Device / Tape Library Form Factor required is 2U, but it is Conflicting with Point 6. Form Factor/ height - Max 2U Rack mount Number of Drives- Two drives, scalable upto Four</p> <p>That is, bank require the Library to be presently with 2 drives scalable upto 4 drives. Any tapedrive with Max 2U Rack Mount capability can only be populated with max of two drives. If a Library has to have 4 Drive scalability it has to be 4U Rack Mountable and not 2U. So we request bank to either remove point no 6 – “Scalable to 4 Drives” or make it 4U Rack Mount drive instead of 2U Rack Mount.</p>	Please refer Amendment
14	<p>Page – 21 – Config (e) Backup Device / Tape Library Library configuration - 1 or 2 3 Gb SAS/ FC8 Drive(s) with 24 slots Please Confirm the drive whether bank needs SAS or FC or combination of SAS + FC in the Same Library.</p>	Please refer Amendment
15	<p>For the setup to work, we are assuming Bank will provide the backup server in both DC and DR, as this is not asked in the RFP.</p>	Please refer Amendment.

