

Corrigendum to RFP No. NB. HO.DIT/1008/DIT-031-01/2018-19 dated 19/10/2018.

1. Processor for HCI Appliances

As stated in the RFP, the HCI Appliances should be factory integrated Appliances for achieving fully the requirement of software defined data centre.

The minimum configuration of the Processor for the HCI Appliance shall be:

- Intel Xeon Gold –
 - Frequency –
 - 2.10 GHz Base Frequency or above
 - 3.70 GHz Max Turbo Frequency or above
 - 16 Cores (Minimum)

2. Cluster Configuration

The Cluster Configuration is simplified as under:

Sl No	Cluster	DC			DR		
		Min No. of Cores	Memory	Storage Required	Min No. of Cores	Memory	Storage Required
1	DMZ Servers	72	670 GB	10 TB	36	340 GB	5 TB
2	SQL DB Cluster	248	2330 GB	90 TB	68	660 GB	45 TB
3	Other Servers						
4	Dev & Test Servers						
	Total	320	3 TB	100 TB	104	1 TB	50 TB

The figures of Memory, Cores are approximate figures. Solution can vary slightly, depending upon the requirements.

3.SWITCHES

The detailed configuration of various switches would be as under:

- CORE Switches
 - Optic Fibre Connectivity Port should be SMF 10G LR
 - 4 x 10Gbps SFP+ Port (ie, Two Cards with 2 ports per Card)
 - 1 x 1 Gbps RJ45 Port for Out of Band Management
- TOR Switches
 - 10 Gbps Fibre SFP+ Ports
- Access Switches – **Number increased to 32 Switches**
 - Stackable; L2/L3 Managed with CLI, Web / Cloud and SNMP V1/2/3; POE enabled
 - 6 Locations in Corporate Office - 10Gbps Uplink with 12 SFP+ Modules on 12 Switches
- General Specification for all Core / ToR / Access Switches
 - Hot Swappable Redundant Power Supply Unit

- Redundant Air Cooling Fans
- SDN Enabled for future manageability
- Distance between Core & ToR switches will be maximum 4 Racks (42 U)
- Distance between from Core Switch to Access Switches will be maximum 300 Metres
- All Switches viz., Core / ToR / Access Switches should be from the same OEM

4.STORAGE

- All Flash Storage –
 - Minimum 3 DWPD for Cache
 - Minimum 1 DWPD for Data tier
 - Cacheing Tier to Support SSD & NVMe (PCIe & Ultra DIMM not mandatory)

5.Appliance / Software Licenses

- Hypervisor Licenses shall be perpetual if appliances are replaced from the same OEM.

6.Other Information

- The HCI Solution should work with existing Storage (HP 3PAR 8200)
- The Backup Software HP Data Protector Ver 9.07 is Agent based.
- For existing servers, licenses for OS and DB are owned by NABARD to be used for migration
- NABARD would provide the Rack Space, Cooling and Clean Power
- 100 Mbps P2P Connectivity between DC-DR for replication will be made available.

7. Evaluation matrix is attached below

EVALUATION MATRIX

A. Technical Evaluation

Sl. No.	Description	Marks	Documents to be submitted
1	Experience of SI in executing HCI Solution in the last 3 years	15	POs and compliance certificates to be submitted with the Scope of the Work done. Differential weightage will be given to number of implementations, size or complexity of each implementations. SI to showcase 3 best projects to be evaluated.
2	The SI has certified manpower to execute the HCI solution on the quoted Hypervisor	5	CV of certified manpower with photocopy of certificates. The same team should be available for execution. Substitutes for the work execution should be approved by NABARD.
3	Compliance to Technical Specifications – As per Appendix II of RFP	40	Differential weights will be given to sub segments on compute network and security, storage and Backup, Virtualization, Management Controls and DR Automation.
4	Overall Solution Design-Proposed for NABARD	15	Solution Document with Bill of Material covering Switches & HCI Solution to integrate with existing network, Security & SAN Storages
5	Site Visit	10	
6	Technical Presentation	15	
	TOTAL	100	

B.COMMERCIAL EVALUATION

Sl.No.	Description	Marks	Documents to be submitted
1	C1 Bidder to get full 20 Marks	20	Commercial Bid

C. Techno-Commercial Scoring (Overall Assessment for calculation of L1)

1. **Computation Methodology for arriving at “Best Price”:-**
2. The techno-commercial score shall be calculated as follows:

$$\text{Total Score} = (\text{C-LOW} / \text{C}) * \text{C}_{\text{weight}} + (\text{T} / \text{T-HIGH}) * \text{T}_{\text{weight}}$$

3. Here C and T are the commercial and technical scores of the respective bidders. The scores would be rounded-off to two decimal points.
4. C_{weight} shall be 20% while the T_{weight} shall be 80%.

Example calculation:

Total Score of Bidder A	=	$(12/12)*20\% + (85/90)*80\%$	=	95.55
Total Score of Bidder B	=	$(12/13)*20\% + (90/90)*80\%$	=	98.46
Total Score of Bidder C	=	$(12/15)*20\% + (82/90)*80\%$	=	88.88

Bidder B would be L1 in the above illustration.

1. The bidder scoring the highest marks will be L1.
2. Evaluation process as decided by the Bank will be binding to the bidders.
3. The Bank in its sole/absolute discretion can apply whatever criteria deemed appropriate in determining the responsiveness of the proposal submitted by the respondents. The Bank may reject any / all proposal(s) at any stage without assigning any reason thereof.
