



# ରାଜ୍ୟ ବିଦ୍ୟୁତ୍ ଭାର ପ୍ରେରଣ କେନ୍ଦ୍ର

STATE LOAD DESPATCH CENTRE

ODISHA POWER TRANSMISSION CORPORATION LIMITED

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CIN: U40102OR2004SGC007553

## CORRIGENDUM – III to TENDER NOTICE NO. SLDC-01/2023-24

### TENDER NOTICE NO. SLDC-01/2023-24

#### ***“Design, Development, Supply, Installation, Testing & Commissioning of SAMAST Software Scheme with Data Centre & Disaster Recovery Centre Set up and Comprehensive AMC”***

The following revision has been made in respect of the Revised Technical Specifications (Part-I, Section-V) of the Corrigendum-II to Tender Notice No. SLDC-01/2023-24

#### **2.5 NAS (Network Area Storage):**

A NAS (Network Area Storage) based storage will be provided for minimum 7 Years Data storage & will be sized adequately for storage capacity. NAS is being used for keeping data backup i.e. file level backup, application backup and database backup. NAS capability shall be scalable up to 100% of the delivered NAS. The NAS should have replication feature for replication of data to disaster recovery site. NAS shall be of reputed make like HP, Dell, Fujitsu, IBM or equivalent.

The followings are various backup requirements for NAS box:

- Various Applications and Databases hosted in the servers.
- Development/testing databases.
- Image Backup of the Servers
- Any others backup required for the Systems.

Table 5 NAS (Network Area Storage)

Sl. No.	Item	Characteristic/ Features
1	OS Support	Support for multiple operating systems connecting to it, including of Windows, UNIX, Linux, etc. with virtualization
2.a	Processor	Minimum 1 x Intel Xeon-Bronze 3104 or better
2.b	Processor Sockets HDD Bays	Minimum 14 X 3.5" drive bays
2.c	CPU/Clock Speed	1.7 GHz or better
3	RAM	Installed RAM: 64 GB

4.a	Hard Disk	Minimum 10 TB usable capacity in RAID with Hot pluggable disks
4.b	Drive types and capacities	Support for NL-SAS and SATA; NL-SAS 7.2K RPM – 1TB, 2TB, 4TB, 6TB, 8TB,12TB
5	RAID Controller	Internal RAID Controller with minimum 2GB Cache
6	Supports both IPv4 and IPv6	Yes
7	Supports SNMP v1/v2/v3	Yes
8	Network Interfaces	
A	Ethernet ports	Minimum 10 GBPS dual Ethernet port
B	Network Interface	Minimum 2port x 1G, Should support 2Port x 10G Ethernet Card
9	Power Supply	Redundant (1+1), Hot pluggable, 230V AC Input
10	Fans	Standard redundant cooling fans
11	Management	Management console to be provided by same OEM
12	Data Protection Features	Replication, Snapshots
13	Rack Support	Rack mountable with support for optional tool less maintenance, cable management arm
14	Slots	Min. 2 x PCIe 3.0 slots
15	Protocols Supported :	CIFS,NFS (v2, v3, v4.1), FTP, SMB (2.0,2.1, 3.0, 3.02 and 3.1.1) iSCSI, HTTP/HTTPS, WebDAV
16	Form factor	Min. 2U Rack Mount System

17	Back Up and recovery Software/Agent	<ul style="list-style-type: none"> <li>• Licensed Back Up agent/software for setting up backup and recovery solution shall be provided as per follows:</li> <li>• The backup software must support application backup for Oracle, MySQL, MS SQL, PostgreSQL etc.</li> <li>• The software/agent should support full, incremental, differential backup.</li> <li>• The software should support reduction of data volume by deduplication/compression.</li> <li>• The software must integrate with all kind of hypervisor to backup different platforms like VMware, Hyper V, RHEV etc.</li> <li>• The software should have the capacity to restore any backup and run any server from the backup.</li> </ul>
		<ul style="list-style-type: none"> <li>• License for 6 TB front end active capacity or for the full volume shall be provided</li> <li>• Backup &amp; Replication Software OEM should be on Leader Quadrant in Gartner for at least last 5 years</li> </ul>
18	Warranty and Support	Five years on-site comprehensive OEM Warranty Support with 24x7 coverage and access to OEM TAC/support

**All other specifications and clauses of Corrigendum-II to Tender Notice No. SLDC-01/2023-24 remain unaltered.**

**Sd/-**

**Director (SLDC)**