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STATE LOAD DESPATCH CENTRE
ODISHA POWER TRANSMISSION CORPORATION LIMITED
GRIDCO Colony, P.O.- Mancheswar Rly. Colony, Bhubaneswar-17, FAX-0674- 2748509
CIN: U40102OR2004SGC007553

CORRIGENDUM – IV to TENDER NOTICE NO. SLDC-02/2025-26

TENDER NOTICE NO. SLDC-02/2025-26

“Survey, Design, Development, Supply, Installation, Testing, Commissioning & AMC of PMU based WAMS system in OPTCL, ODISHA system.”

Following modifications are made in the following clauses of the Tender Specification;

- i. PART-I ,SECTION-III, ANNEXURE-III: SCHEDULE OF QUANTITY & DELIVERY.
- ii. PART-I ,SECTION-V,JOB-2: SIZING REQUIREMENT OF PDC
- iii. PART-I ,SECTION-V, APPENDIX-I, PART: A (BOQ).
- iv. PART-I ,SECTION-V,JOB-2:15.0 APPENDIX-I, PART: A (BOQ), APPENDIX-I, PART: B Clause 16.1, Clause 16.12, Clause 16.13.
- v. PART-I ,SECTION-V,JOB-2: 4.0 HARDWARE REQUIREMENTS, Clause 4.6.4, Clause 4.9.

The bidders who have already submitted the tender documents in the tender portal are hereby requested to revisit the revised tender documents and take necessary action.

Modifications in the Tender Specifications:

- i. **PART-I , SECTION-III, ANNEXURE-III: SCHEDULE OF QUANTITY & DELIVERY** is hereby modified as follows;

5	Hardware for Historian & Data Archiving
(a)	Storage Area Network (SAN) based Storage or any other specialized Storage Solution of Minimum 200TB data storage capacity of RAID 6 or better configuration for storing PMU data for One year
(c)	Network Attached Storage (NAS) System of Minimum 6TB of RAID 6 or better configuration

ii. **PART-I ,SECTION-V,JOB-2: SIZING REQUIREMENT OF PDC**

The Phasor Data Concentrator (PDC) at SLDC shall be designed to handle data from a total of 300 PMUs, including provision for future expansion. The above sizing represents the maximum PMU handling capacity of the PDC, inclusive of expansion.

iv. **PART-I ,SECTION-V, APPENDIX-I, PART: A (BOQ).**

5 Hardware for Historian & Data Archiving					
(a)	Storage Area Network (SAN) based Storage or any other specialized Storage Solution of Minimum 200TB data storage capacity of RAID 6 or better configuration for storing PMU data for One year				
(c)	Network Attached Storage (NAS) System of Minimum 6TB of RAID 6 or better configuration				
PART-I ,SECTION-V,JOB-2:15.0 APPENDIX-I, PART: A (BOQ), APPENDIX-I, PART: B Clause 16.1, Clause 16.12, Clause 16.13.					
Sl.No.	Description of the Features	Minimum quantity of the features required in each non redundant set of the category.			Offered by the Contractor in each category
		Real Time PDC, PDS & Analytics	Historian & Data Archiving	Infrastructure Management	
5	No. of CPUs & Cores & Clock Frequency	2*16 Min 2.2GHZ	1*16 Min 2.2GHZ	1*16 Min 2.2GHZ	
6	RAM Required	128GB	64GB	64GB	
7	Local Storage	Each server shall be provided with enterprise-grade SSD / NVMe, configured in RAID-1, using minimum 480 GB per drive, resulting in ~480 GB usable capacity. Storage shall be expandable to minimum ~960 GB usable capacity. HDDs are not acceptable. Storage	Same as Real time PDC, PDS & Analytics	Same as Real time PDC, PDS & Analytics	

		shall be used for OS, application installation, logs and local cache only.			
9	Interface Ports	1 Gbps dual Ethernet ports / FO port (Minimum) in each server & Should Support 10 Gbps dual Ethernet/FO port			

Clause 16.12 SAN (STORAGE AREA NETWORK) BASED STORAGE OR ANY OTHER SPECIALIZED STORAGE SOLUTION FOR STORING PMU DATA			
Sl. No.	Description of the Features	Minimum Quantity of the features	Offer by the Contractor
7	RAID Level	RAID 6 or better	

Clause 16.13 NETWORK ATTACHED STORAGE (NAS)			
Sl. No.	Description of the Features	Minimum Quantity of the features	Offer by the Contractor
7	RAID Level	RAID 6 or better	

V. PART-I ,SECTION-V,JOB-2: 4.0 HARDWARE REQUIREMENTS, Clause 4.6.4,Clause 4.9.

Clause 4.6.4

Memory (RAM): Minimum 32 GB RAM.

Internal Storage: Minimum 500 GB enterprise-grade SSD.

Optical Drive: DVD R/W drive.

Audio: USB-powered external speaker.

Display Interface: Capable of driving two (02) touch-screen monitors simultaneously.

USB Ports: Minimum 10 USB ports (at least 4 front-facing and 6 rear-facing).

Network Interfaces: Minimum one (01) Fiber Ethernet port, or Minimum one (01) Copper Ethernet (RJ-45) port.

Mounting: Desktop mounting.

Clause 4.9

The industrial-grade laptop, along with required software licenses, shall meet the following minimum requirements and shall be suitable for field commissioning, testing, and maintenance activities:

Processor: Intel Core i7 processor or higher

Memory (RAM): Minimum 8 GB RAM

Storage: Minimum 500 GB SSD (HDD not recommended for field and industrial usage)

Optical Drive: DVD Drive (external DVD drive shall be acceptable)

Operating System: Licensed Windows 10 Professional or Windows 11 Professional (64-bit), with latest updates available at the time of supply.

Office Suite: Licensed Microsoft Office

Cybersecurity: Licensed Anti-virus software

Interfaces / Ports: USB 2.0 and USB 3.0 ports, HDMI / Display port, Serial port (native or via certified adapter), Ethernet (RJ-45) port.

Build Quality: Rugged / industrial-grade construction suitable for site conditions

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Director (SLDC)