

**MORMUGAO PORT AUTHORITY
ENGINEERING MECHANICAL DEPARTMENT**

E-TENDER FOR “Enhancement of CCTV data backup storage from 30 days to 90 days”.

e-TENDER NO: CME/XEN(E-P)/e-tender/2024/04

CORRIGENDUM II

CLARIFICATIONS / ADDITIONS

[Total Number of pages:05]

NOTE:

1. The “Corrigendum-II” indicating clarifications to the Tender Document should be read in conjunction with Tender Document reference no. CME/XEN(E-P)/e-tender/2024/04
2. Consequential changes, arising out of this Corrigendum-II, will be deemed to have been effected, even if the same were not incorporated specifically in the Tender Document.
3. The bid submission end date is 10.06.2024 and opening of the bids is scheduled on 11.06.2024 at 11:30 hrs respectively.
4. All other terms and conditions of the Tender Document will remain unchanged.
5. Corrigendum-II forms part of the contract and bidder shall submit the same along with the tender duly signed and stamped on all pages.

A. Wang
AEN/10

D. Jones
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REVISION TO BE UPLOADED ON EPROCURE PORTAL

SR. NO	CL. NO.	PG. NO	TENDER CONDITION	BIDDER QUERIES	CLARIFICATIONS
REVISION					
1)	4.3.1	40	Supply Installation, Testing and Commissioning of Video Servers/NVRs	NIL	Attached as Revised 4.3.1.

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Revised 4.3.1

Technical specification

4.3 Detailed Technical Specifications:-

4.3.1 Supply Installation, Testing and Commissioning of Video Servers/NVRs

Processor	Standard Industrial grade, higher end processor with 3.2Ghz or higher (3rd Gen. server board)
Total Cores/Threads	6/12
Memory	32GB DDR4
OS Drive	2X M.2 SSD 240GB
SATA Slots	8/10/12 SATA HDD,
Storage	Enterprise class Hard disk, loaded 72 TB HDD (Multiples of 12/16/18TB) Expandable upto 144TB with hot swap
Input Power	120/220 VAC, Dual input, 1+1 800W Hot swap RPS
IP Cameras	64 IP Cameras
Resolution support	8MP, 5MP, 3MP, 2MP
Compression	H.265, H.264, MJPEG
Max No. of Cameras	64Channel
ONVIF	ONVIF Compliant
External storage	USB port
Certification	UL/CE, BIS and FCC
2x 10 GbE LAN port	Uplink - 512Mbps and Downlink - 512Mbps
RAID Controller	12G SAS 1GB
Redundant Service	Storage & Recording Services (N+1),
Software Licenses	Microsoft Windows Server 2022
	MS SQL
	Video Management Solution
Special Recording	Time Lapse Recording and Day-Highlights
Adaptive Recording	Automatically Reduces the Number of Frames Captured Per Second when there is No Motion, thereby Saving Storage Space
Stream Configuration	Stream Parameters, CODECs, Resolution, FPS and GOP
Stream Usages	Recording, Viewing, Analytics
Declaration by OEM stating that the quoted product should not contain following. 1. Malicious code is not embedded in the firmware or software. 2. HI silicon chipset not used in the products. (Bidder may refer clause no. 2.4.2.2 of tender document regarding OEM related certifications)	
Declaration by OEM stating that the quoted product does not have any hardware, firmware or software product, assembly, component or part used in the offered solution (hardware /software) that supports with GB28181, GB/T 28181-2011 standards. (Bidder may refer clause no. 2.4.2.2 of tender document regarding OEM related certifications)	

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Declaration by OEM stating that the quoted product is not to be declared end of life for the next 5 years.
(Bidder may refer clause no. 2.4.2.2 of tender document regarding OEM related certifications)

MAF declaration by OEM for the quoted product.
(Bidder may refer clause no. 2.4.2.2 of tender document regarding OEM related certifications)

NOTE: 1. All above parameters to be equivalent or higher.

2. The Contractor shall make provision for connecting 60 IP Cameras in total which shall include purchasing of life time Licenses for doing so.

- Video Management Software (VMS) will provide various functions such as monitoring, recording, playback, investigation, alarm management, video Analytics and system monitoring. VMS shall work on both the mode centralize and de-centralize mode to support centralize and local control/monitoring/recording of connected cameras and other entities. Hybrid mode to take inputs from upto 8 MP IP cameras supporting all major transmission Protocols.
- Possible to connect 20 Simultaneous users with defined roles and rights without additional licenses.
- IP camera and NVR shall be Auto added to VMS over Local or Public (LAN or WAN) Network for ease of configuration.
- VMS shall offer the functionality to connect Multiple Displays (up-to 8) for Monitoring purpose using Multi port GPU Card and HDMI Converter.
- The Vital System health status like Server failure, Camera disconnection, Stream and Recording Status; Storage full, etc. shall always be displayed at Health Status page in Smart Client.
- VMS shall support the search; filter and export of historic Video surveillance event logs.
- VMS shall support at least 3 levels of users with various privileges to access the system functionality. Each category of users shall have selectable rights to perform various operations like Camera add/delete, Recording Server add/delete, Change camera settings, Configure storage, Control PTZ cameras, User management, etc.
- Includes 8/10/12 SATA HDD of 12/16/18TB each for Recording and Backup.
- Supports Dual Giga port LAN for 2 Network Connectivity and 2 HDMI & VGA output.

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James SE(E-HD)

- Rack mountable and Stackable.
- Supports AI Based Video Analytics.
- Alarms and Motion Analysis with push mail notification with Snapshots.

System Overview/ General Features:

- All equipment's should be suitable for 24 Hours duty cycle.
- All required equipment's mentioned/not-mentioned but required for effective running of system will have to be supplied without additional cost.
- **Viewing features:**
 - Adjust brightness, Contrast, Saturation & hue for a clearer view
 - Support digital zoom in to view specific areas
 - For providing viewing access system to facilitate admin rights for users through password protection.

Video Servers/NVRs shall have provision to incorporate additional 10 cameras into the existing system for future expansion of storage systems. The system shall be supplied with power cord, Audio/Video and all interconnecting cables, necessary software etc. required for the smooth functioning of the system as a whole.

Abhinav
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Dinesh
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