UDUPI COCHIN SHIPYARD LIMITED

Malpe Harbour Complex, Malpe,
Udupi, Karnataka – 576 108, India.
Tel – 0820 2538604.

Tender No. & date	**UCSL/CC/T/GEN/320 Dt. 28th January 2025**
Name of work	**TENDER FOR GAP ASSESMENT OF IT INFRASTRUCTURE SECURITY**
Last date & time of receipt of tender	**05th February 2025 (Wednesday), 15:30hrs**
Date & time of opening of Bid	**05th February 2025 (Wednesday), 15:30hrs**

1. INTRODUCTION:

1.1. This is pertaining to the awarding of contract for conducting Gap assessment of IT infrastructure security (in accordance with standards for conducting audit) by reputed lead auditors/ auditing servicing firms/ Certification body.

1.2. Udupi Cochin Shipyard Limited (UCSL) is a wholly owned subsidiary unit of Cochin Shipyard Limited, Kochi Kerala, functioning under the Ministry of Ports, Shipping and Waterways, Government of India. The core operation of UCSL is design & building various types of ocean-going vessels. The head office of UCSL is located at Malpe, Udupi Karnataka UCSL has earned its Integrated Management System (ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018) certification from M/s. Bureau Veritas.

1.3. **About Udupi Cochin Shipyard Limited**:

1.3.1. UCSL comprises of three different units/sites which in its wholesome includes the entire operations of the organization. The details of the three units with various functional Depts is shown below.

Site /Location	Identity	Departments
Malpe (Site-1)	Head office & Core Operations	BD, Design, Planning, QC, Ship Building Operations, HSE, U&M
Hangarakkatte (Site-2, 20 km from Malpe)	Hull Fabrication Shop	Ship Building Operations
Baputhotta (Site-3, 1 km from Malpe)	Warehouse and office	Materials Dept, Warehouse, HR & Finance

2. SCOPE OF WORK

2.1. The scope of work includes

Current State Assessment (Covering the location- UCSL: Malpe, Baputhotta and Hangarakatte)

- Current Infrastructure Evaluation:
  - **Hardware:** Assess the existing servers, storage devices, networking equipment and end-user devices (computers, mobile devices).
  - **Software:** Evaluate the operating systems, applications, databases and other software components in use.
  - **Infrastructure Components:** Review backup systems, disaster recovery plans, security systems (firewalls, antivirus), and monitoring tools.
- Performance and Scalability:
  - Evaluate the performance metrics of current systems (e.g., CPU, memory, disk usage) under normal and peak loads.
  - Determine how well current systems can scale to meet increased demands in terms of data volume, transactions, users, etc.
- Capacity Planning:
  - Estimate future IT requirements based on business growth projections, anticipated changes in technology, and industry trends.
  - Calculate the required capacity for servers, storage, bandwidth, and other resources to meet these future demands.
- Security and Compliance:
  - Assess the current security measures and compliance with relevant regulations and standards.
  - Identify gaps in security practices and compliance that need to be addressed to meet future requirements.
- Technology Trends and Innovations:
  - Stay informed about emerging technologies that could impact future IT requirements (e.g., cloud computing, AI, IoT).
  - Evaluate whether integrating these technologies would be beneficial and feasible.
- Budget and Resource Allocation:
  - Analyses the financial resources available for upgrading or expanding the IT infrastructure.
  - Determine the human resources required for implementation, maintenance, and support of the upgraded infrastructure.

Gap Analysis and Recommendations:

- Compare the current state of the IT infrastructure with future requirements to identify gaps.
- Prioritize recommendations based on criticality, feasibility, and impact on business objectives.

2.2. The agency shall prepare & submit the Study Reports on completion of each phase of audits/study. The agency shall also ensure that all the recommendations & non-conformities of audits are closed within the specified timeline.