



UDUPI COCHIN SHIPYARD LIMITED

Ministry of Ports, Shipping and Waterways,
Government of India

UDUPI COCHIN SHIPYARD LIMITED

CONTRACT CELL DEPARTMENT

CORRIGENDUM - I

Tender No.: UCSSL/CC/SER/T/CIVIL/263/2026

Date: 18-08-2026

Sir,

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CORRIGENDUM-I - TENDER FOR CONSTRUCTION OF CORPORATE OFFICE BUILDING AT UDUPI COCHIN SHIPYARD LIMITED, UDUPI

The following terms of the subject tender is amended as follows:

1. Additional Technical specification (Annexure-II-A) Attached.
2. The following scope of work has been descoped from the tender, and all related clauses shall be considered amended accordingly from the original tender:
 - a. All works related to Aluminium Partition Walls & Aluminium Partition Doors, including the supply and installation of aluminium framing, glazing/panelling, accessories, fittings, and associated finishing works, wherever included in the original tender scope, shall be excluded.
 - b. All works related to Heating, Ventilation and Air Conditioning (HVAC), including the supply, installation, testing, commissioning, indoor & outdoor units, associated equipment, ducting, piping, insulation, controls, and related accessories, wherever included in the original tender scope, shall be excluded.

2. Tender opening date;

FOR	READ AS
21 st August 2026 (Friday), 16:00 Hrs	28 th August 2026 (Friday), 16:00 Hrs

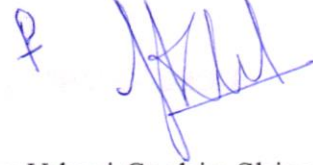
3. Clause 9.1 – STAGE III Payment shall be read as follows:

“Completion of internal and external plastering, waterproofing, windows, flooring, false ceiling, and rough-in installation of MEP services, including electrical, plumbing, fire-fighting, ELV, and associated utilities.”

4. Clause 41 – Approved Makes of Passenger Lift shall be read as follows:

KONE Elevator India Pvt. Ltd., OTIS Elevator Company India Ltd., Fujitech India Pvt. Ltd., Schindler, Johnson Lifts Pvt. Ltd., Thyssenkrupp, and Mitsubishi Electric India Pvt. Ltd.

5. All the other terms and conditions of the tender enquiry remains unchanged.



For Udupi Cochin Shipyard Limited,

अखिल आर पी

AKHIL R P

प्रबंधक MANAGER

उडुपि कोचीन शिपयार्ड लिमिटेड

UDUPI COCHIN SHIPYARD LIMITED

माल्ये, कर्नाटक/MALPE, KARNATAKA-576 108

Assistant General Manager (Contract Cell)



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Tender for Construction of Corporate Office Building at UCSL.
UCSL/CC/SER/T/CIVIL/263/2026 DT:01.08.2026

ELECTRICAL WORKS — SCOPE OF WORK

1. GENERAL

The Electrical Contractor/EPC Contractor shall be responsible for the complete electrical works of the proposed UCSL Corporate Office Building, including design, supply, installation, testing, commissioning and handing over of the electrical installation.

The scope shall include all required materials, equipment, cables, accessories, labour, supervision, transportation, installation, testing and commissioning necessary for a complete and functional electrical system.

All works shall be carried out in accordance with the approved drawings, applicable Indian Standards, statutory requirements and UCSL requirements.

2. ELECTRICAL DESIGN AND APPROVAL

The Contractor shall carry out the electrical design required for execution of the works based on the approved architectural and building layouts.

The Contractor shall submit the following for UCSL approval:

- Electrical load calculation and load schedule.
- Single Line Diagram (SLD).
- Electrical layout drawings showing lighting, power outlets, DBs and major electrical equipment.
- Cable sizing and other necessary calculations, wherever required.
- Any other drawings/documents required for proper execution and approval of the works.

The electrical works shall be executed only as per the approved drawings and calculations.

The Contractor shall coordinate the electrical works with architectural, HVAC, plumbing, fire-fighting and other relevant services.

3. MAIN POWER DISTRIBUTION

The Contractor shall provide complete power distribution from the incoming power source to all building electrical loads.

The scope shall include, as applicable:

- Main LT Panel/MOB.
- Sub-main/floor distribution boards.
- Lighting DBs
- Power DBs.





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- HVAC DBs.
- UPS distribution.
- MCCBs, MCBs, RCCBs/RCBOs.
- Surge protection devices.
- Energy/multifunction meters.
- Power and control cables.
- Cable glands, lugs and termination accessories.
- Panel identification and labelling.

The final distribution arrangement shall be based on the approved load calculation and SLD.

4. LIGHTING

Complete internal and external lighting shall be provided for the building. The scope shall include:

- LED lighting for offices and cabins.
- Reception and common areas.
- Corridors and staircases.
- Toilets and pantry.
- Meeting/conference rooms.
- Stores and service areas.
- Electrical rooms.
- External/building lighting.
- Emergency lighting.
- Exit signage.
- Lighting switches and controls.
- Occupancy/motion sensors wherever required.
- Complete wiring, conduits and accessories.
- Supports and fixing arrangements.

Lighting shall be designed to achieve the required illumination level for each area. Lighting provision shall be based on the floor area and approved lighting calculation. The final number and type of luminaires shall be as per the approved lighting layout.

5. SMALL POWER AND SOCKET OUTLETS

Complete small-power installation shall be provided throughout the building.





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The scope shall include:

- General-purpose socket outlets.
- 6A/16A socket outlets, as applicable.
- Switched and double socket outlets.
- Dedicated equipment outlets.
- Printer/copier outlets.
- TV/display outlets.
- Meeting-room equipment outlets.
- Pantry appliance outlets.
- Cleaning/maintenance outlets.

Minimum 4 nos. socket outlets shall be provided in each cabin, in addition to dedicated outlets required for specific equipment.

Adequate socket outlets shall be provided at workstations based on the approved furniture layout. All socket locations shall be coordinated with the final furniture/interior layout.

6. COMPUTER AND UPS POWER

The Contractor shall provide normal and UPS power supplies for IT and office equipment, including:

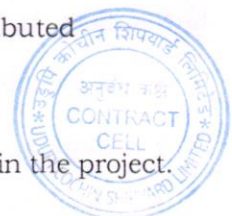
- Computer/workstation outlets.
- UPS outlets.
- IT/network racks.
- Network switches.
- Wi-Fi equipment.
- Printers.
- Video-conferencing equipment.
- Other required IT equipment.

Normal and UPS power outlets shall be clearly identified and separately distributed

7. HVAC ELECTRICAL WORKS

Electrical power supply shall be provided for all HVAC equipment included in the project.

The scope shall include:





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- HVAC distribution boards.
- Power cables.
- MCB/MCCB/RCBO protection.
- Local isolators.
- Power supply to indoor/outdoor units.
- AHUs/FCUs, where applicable.
- Starters/control interfaces where required.
- Earthing and bonding.
- Cable trays/conduits.
- Testing and commissioning.

The electrical requirements shall be coordinated with the HVAC contractor and based on the approved HVAC equipment schedule.

8. LAN / DATA CABLING

The Contractor shall provide the required structured LAN/data cabling system.

The scope shall include:

- CAT6/CAT6A cabling.
- RJ45 data outlets.
- Faceplates and modules.
- Patch panels.
- Network racks, where required.
- Patch cords.
- Cable management.
- Data cable containment.
- Labelling and termination.
- Testing and certification.

LAN outlets shall be provided for:

- Workstations.
- Cabins.
- Meeting/conference rooms.
- Printers.





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- Wi-Fi access points.
- Video-conferencing systems.
- Other required IT locations.

The final quantity and locations shall be based on the approved layout and UCSL IT requirements.

9. IT / NETWORK ROOM

The Contractor shall provide electrical and containment provisions for the IT/network room, including:

- Normal power.
- UPS power.
- Dedicated sockets.
- Rack power.
- Earthing.
- Data containment.
- Network equipment power supply.
- Cooling power provision where required.

10. CABLE TRAYS, TRUNKING AND CONDUITS

Complete cable containment shall be provided for electrical and ELV services. The scope shall include:

- GI cable trays.
- Cable ladders where required.
- GI/PVC trunking.
- Electrical conduits.
- Flexible conduits.
- Junction boxes.
- Supports and brackets.
- Cable glands and lugs.
- Cable identification.

Power, lighting, HVAC and data/ELV cables shall be suitably segregated.





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11. EARTHING

A complete earthing and bonding system shall be provided for the electrical installation. The scope shall include:

- Main earthing.
- Equipment earthing.
- Panel/DB earthing.
- Cable tray bonding.
- HVAC equipment earthing.
- IT/network rack earthing.
- UPS/DG earthing, where applicable.
- Earth electrodes/earth pits.
- Earth continuity conductors.
- Testing of the earthing system.

12. EMERGENCY AND EXIT LIGHTING

Emergency lighting and exit signage shall be provided in:

- Staircases.
- Corridors.
- Exit routes.
- Common areas.
- Electrical rooms.
- Other areas required by the approved life-safety

requirements.

Emergency lighting shall operate automatically upon failure of normal power.

13. ELECTRICAL PROVISIONS FOR OTHER SERVICES

Electrical power and necessary interfaces shall be provided for other building services, as applicable, including:

- Fire alarm.
- CCTV.
- Access control.





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- Wi-Fi.
- Water heaters.
- Pantry equipment.
- Signage.
- Security systems.
- External equipment.

The Contractor shall coordinate with the respective specialist contractors.

14. EXTERNAL ELECTRICAL WORKS

Where included within the project boundary, external electrical works shall include:

- Entrance lighting.
- Pathway lighting.
- Parking/road lighting.
- Building façade lighting.
- Security lighting.
- External signage.
- Electrical supply to external equipment.
- Underground electrical cables.
- Earthing and bonding.

15. METERING

Electrical metering shall be provided as required by the approved design. This may include:

- Main energy meter.
- Multifunction meters.
- CTs where required.

16. TESTING AND COMMISSIONING

The Contractor shall be responsible for complete testing and commissioning of the electrical installation.

Testing shall include, as applicable:





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- Insulation resistance.
- Earth resistance.
- Earth continuity.
- Load balancing.
- LAN/CAT6/CAT6A testing and certification.

All test results and reports shall be submitted to UCSL.

17. COORDINATION

The Contractor shall coordinate the electrical works with:

- Architectural works.
- Structural works.
- HVAC.
- Plumbing.
- Fire-fighting.
- Fire alarm.
- Interior works.
- IT/network systems.
- Security systems.
- External works.

All necessary sleeves, openings, supports, cable routes and service provisions shall be coordinated before execution.

18. STATUTORY REQUIREMENTS

The Contractor shall comply with all applicable Indian electrical standards, regulations and statutory requirements.

The Contractor shall coordinate and obtain required inspections and approvals from the concerned authorities wherever applicable (CEA)

19. DOCUMENTATION AND HANDOVER

The Contractor shall submit the necessary documentation at completion, including:

- As-built electrical drawings.





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- Single Line Diagram.
- Load schedule.
- DB schedules.
- Lighting layouts.
- Small-power layouts.
- HVAC electrical layouts.
- LAN/data layouts.
- Earthing layout.

The complete electrical installation shall be handed over to UCSL in a tested, commissioned and operational condition.

20. APPROVED / RECOMMENDED MAKES

Materials and equipment shall be from reputed manufacturers and shall be subject to UCSL approval.

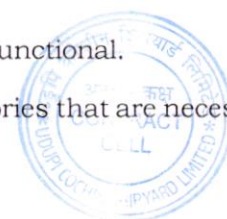
Item	Recommended Makes
MCB/MCCB/RCCB/RBO	L&T / Schneider / Siemens / ABB
Switches & Sockets	Legrand / Schneider/ Anchor/ L&T
LED Lighting	Philips/Wipro / Havells / Bajaj / Crompton
Cables	Polycab / KEI
UPS	APC/Schneider / Vertiv / Socomec / Eaton
CAT6/CAT6A	CommScope / Schneider / Legrand / Panduit

21. GENERAL RESPONSIBILITY

The Contractor shall include all materials, accessories, supports, fixing materials, termination accessories, consumables, labour and other incidental items required to complete and commission the electrical installation.

The electrical installation shall be complete, safe, reliable and fully functional.

No additional claim shall be entertained for minor items and accessories that are necessary for the proper functioning and completion of the electrical system.





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The works shall be carried out in accordance with the approved drawings, applicable standards, manufacturer's recommendations and UCSL requirements.

LOAD CALCULATION(Tentative):

FLOOR	UPS	RAW
Ground floor	3.65KW	46.356KW
First Floor	4.276KW	27.716KW
Second floor	2.578KW	23.43KW
Total	10.504KW	97.546KW

The quantities of lights, fans, printer, systems, AC points considered per floor is listed below (Tentative):

FLOOR	LIGHTS	FANS	PRINTER	SYSTEMS	AC
Ground floor	158	16	12	17	17
First floor	176	14	10	20	12
Second floor	164	10	6	10	11

The above-mentioned requirements are minimum and while execution it may vary as per the actual UCSL requirements.





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IT WORKS – SCOPE OF WORK

UCSL Corporate Office Building comprises of Ground Floor, First Floor and Second Floor with a dedicated **Server Room shown on the Second Floor.**

Proposed Network Plan:

Basic Design:

- **Each cabin/office:** 2 × LAN data points
- **Each floor:** 1 × Network Rack (9U)
- **Network racks:** 3 Nos. — one per floor
- **cabling CAT6 UTP 23 AWG**
- **Patch panels:** Cat6, 24-port
- **Main network/server location: Second Floor Server Room**
- **cate 6 cable with IO box termination 9 U Rack with patch panel.**
- **Wi-Fi access points to be considered**

Floor	Suggested Location	Main Requirement
Ground Floor	Near to electrical room	Cat6 patch panel + Rack
First Floor	Near to finance department	Cat6 patch panel + Rack
Second Floor	Server Room	Core switch + server/network equipment

- **Form Second Floor Server Room with fiber uplinks to the Ground and First Floor racks.**
- **Use dual-port face plate (white) information outlets at the workstation location.**
- **The CEO office is on the Ground Floor and the CFO office is on the First Floor with biometric/card-based door access (“punching”) and CCTV coverage of the open/common areas.**





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ADDITIONAL EXTERNAL DEVELOPMENT WORKS – SCOPE OF WORK

- In addition to the existing **External development works**, Construction of outdoor security room (RCC) of dimension 12x12x3 meters and DG room (RCC) of dimension 12x12x3 meters complete with civil, architectural, electrical, plumbing, and other associated services, Sump with minimum capacity of 12000 liters, Septic tank with minimum capacity of 16000 liters is also included.
- DG room construction has to comply with Indian standard codes and statutory requirements.
- **Compound wall** with a minimum height of 6 ft.

All other terms, conditions, specifications, drawings and scope of works of the previously floated tender shall remain unchanged, unless specifically amended through this corrigendum.

