

TENDER No.: UCSL/CC/T/CGPT/219 Dtd.29.12.2023

TENDER FOR UCSL-CHENGALPETTU UNIT-SUBSTATION SHIFTING
&
MISCELLANEOUS ELECTRICAL WORKS



UDUPI COCHIN SHIPYARD LIMITED

UDUPI COCHIN SHIPYARD LIMITED
MALPE, UDUPI 576108





Udupi Cochin Shipyard Limited
TENDER FOR UCSSL-CHENGALPETTU UNIT SUBSTATION SHIFTING & MISCELLANEOUS ELECTRICAL WORKS
UCSSL/CC/T/CGPT/219 Dt 29th December 2023

TENDER NOTICE

Tender No. & date	UCSSL/CC/T/CGPT/219 Dt.29 th December 2023
Name of work	TENDER FOR UCSSL-CHENGALPETTU SUBSTATION SHIFTING & MISCELLANEOUS ELECTRICAL WORKS
Pre-Bid Meeting	05 th January 2024 (Friday), 11:00 Hrs.
Last date & time of receipt of tender	09 th January 2024 (Tuesday), 15:30 Hrs.
Date & time of opening of Technical Bid (Part-I)	09 th January 2024 (Tuesday), 15:30 Hrs.

1. Password protected quotations in the prescribed form is invited from bidders for the work specified above, subject to the terms and conditions as mentioned in the annexure to the tender enquiry so as to reach the undersigned by email mentioned on or before the date and time as stipulated.

2. The following shall be submitted along with the quote: -

PART- I: TECHNICAL BID

- a. **Tender document duly signed on all pages** - Including Terms & conditions and scope of work placed at Annexure I, II, III and Annexure IV respectively
- b. **The Techno commercial Check List** at Annexure VII to be filled up completely and duly signed.
- c. Duly filled form at Annexure - IV.
- d. **Unpriced Price bid** (Price bid without price and marked as "QUOTED") to be submitted along with Part-I.

PART-II: PRICE BID

- a. The price bids shall be prepared based on the price bid format at Annexure V.

3. **Mode of Submission of Quote:**

- i. Bid shall be submitted as **Password Protected Zip File** in two parts.
Part I: Technical Bid - with all enclosures and annexures as mentioned in Para 3 above
Part II: Price Bid.
- ii. The files are to be forwarded as **Two (2) separate password protected Zip files** to contractcell@udupicssl.com
- iii. **Part I and Part II are to be protected with separate and distinctly different passwords.**

The Bids will be opened on online mode during which the bidder will be advised to share the password through SMS with which the technical bid will be opened.





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- v. The price bids will be opened after technical evaluation and **only the technically qualified bidders will be invited for opening of price bids** which shall also be conducted on online mode as above.
- vi. However, subject to travel restrictions, the bidders can also attend the bid opening physically at Udupi Cochin Shipyard Limited, Baputhotta Ware house complex office.
- vii. The contractors can also submit the quotations in sealed covers (Two-Bid) - as separate sealed covers for Technical Bid and Price bid, both enclosed in a common sealed cover to reach the below mentioned address before the stipulated time.
4. The bidders shall ensure the receipt of bids at contractcell@udupicsl.com An acknowledgement mail shall be sent to the bidders on receipt of bids. UCSL takes no responsibility for delay, loss or non-receipt of tenders by mail by the stipulated time.
5. The tender should be addressed to the **Assistant General Manager (Materials & Contract Cell), Udupi Cochin Shipyard Limited, Malpe Harbor Complex, Malpe, Udupi 576 108, Karnataka, India.**
6. No deviations on the tender conditions will be accepted, and bids with deviations will be considered technically disqualified. The acceptance of a tender or part thereof will rest with the Assistant General Manager (Materials & Contract Cell), Udupi Cochin Shipyard Limited and the authority reserves the right to reject the tender received without assigning any reason.
7. Contact Person: Mr. Lijin, (Electrical In charge) (Mob: 996160770)/ Mr. Sarun babu, (Contract Cell) (Mob: 8592048487).

Assistant General Manager (Material & Contract Cell)

सोणि क्लेमेन्ट टी एम
SONY CLEMENT T M
सहायक महाप्रबंधक/ASSISTANT GENERAL MANAGER
उडुपि कोचीन शिपयार्ड लिमिटेड
UDUPI COCHIN SHIPYARD LIMITED
माल्पे, कर्नाटक/MALPE, KARNATAKA-576 108

Encl:

- | | |
|------------------------------------|----------------|
| 1. Terms & Conditions | - Annexure I |
| 2. Scope of Work | - Annexure II |
| 3. Indicative Quantum of work | - Annexure III |
| 4. Power of Attorney | - Annexure IV |
| 5. Price Bid | - Annexure V |
| 6. Techno-Commercial check List | - Annexure VI |
| 7. Unconditional Acceptance Letter | - Annexure VII |





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TERMS AND CONDITIONS

TENDER FOR UCSL-CHENGALPETTU UNIT SUBSTATION SHIFTING & MISCELLANEOUS ELECTRICAL WORKS

1. DESCRIPTION OF WORK

- 1.1. This tender enquiry pertains to the awarding of contract for UCSL-Chengalpettu substation shifting and Miscellaneous Electrical works at Udupi Cochin Shipyard Limited (UCSL)-Chengalpettu unit, Tamil Nadu.
- 1.2. You are requested to obtain clarifications, if any, and carefully study the documents and the scope of services and UCSL, before submitting your offer.
- 1.3. The Contractors are advised to familiarize themselves with the site conditions before quoting.

2. SCOPE OF WORK

- 2.1. Shifting, erection, inspection, liasoning and commissioning as per the drawings and necessary testing to satisfactorily complete the work in accordance with UCSL.
- 2.2. Refer Annexure II and Annexure III for detailed scope of work.
- 2.3. This is a turnkey job and any additional works up to 10% growth of work is to be undertaken without any additional price impact.

3. METHOD OF AWARDING CONTRACT

- 3.1. Contract will be concluded with Bidder qualifying technically, agreeing to Techno-Commercial conditions (Annexure VI) and emerging as L1.
- 3.2. The bidder shall submit the prices at the Annexure - V.
- 3.3. UCSL also reserves the right to split the work order to any number of bidders willing to match with L1 rate, if the performance of selected bidder is not satisfactory. UCSL reserves the right to cancel the tender if required.

4. SCHEDULE OF COMPLETION

- 4.1. The work is urgent in nature hence, contractor to mobilize the men and material for execution of the work not later than 7 days from the date of placement of work order / Confirmation.
- 4.2. 60 calendar days for completion of the work, which includes 5 days of maximum power shutdown.

5. VALIDITY

- 5.1. The offer shall be valid for a period of 01 year and no escalation in rate shall be allowed by UCSL on whatsoever reason.





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6. RATE

6.1. Rates are to be quoted in the Price Bid Format at Annexure V attached herewith.

7. PAYMENT TERMS

7.1. Payment will be made in three (03) stages:

Stage-I: 30%

1. After supply of material & getting TNEB initial approval for scope of job, 30% of the total work order value will be released.

Stage-II: 20%

2. After completion of civil work as per scope of job, 20% of the total work order value will be released.

Stage-III: 50%

3. After completion of entire scope of work and getting CEA approval and handing over in all respect as per scope of job, 50% of the total work order value will be released.

7.1. Payment shall be made on the basis of certification by UCSL Quality Control Representative for quality and quantity of work on actuals.

7.2. The payment shall be made within 30days from submission of invoice along with the work completion certificate.

7.3. All claims for payment for the work/additional work shall be submitted by the contractor within one month of completion of work.

7.4. Payment will be made by RTGS/NEFT to the account of Contractor. The name of the bank, branch, A/C No., IFSC code & other particulars shall be furnished by the Contractor in the proforma of UCSL.

8. TAXES & DUTIES

8.1. GST shall be applicable extra on the prescribed work. You are requested to furnish the following details in the invoice/Bill.

- Applicable rate of GST/SAC Code
- Firms GST Reg. NO.
- Service accounting code (SAC) as prescribed by statutory authorities.
- GST Reg. No. of Udupi Cochin Shipyard Limited(29AAACT1281B1ZO).

9. SECURITY DEPOSIT / PERFORMANCE GUARANTEE

9.1. The successful tenderer shall remit 5% of the value of the contract as security deposit within 15 days of receipt of the work order. This amount may be remitted by way of demand draft or bank guarantee (in approved proforma of UCSL) from any of the nationalized banks, valid till the satisfactory completion of the entire work. The Security Deposit will be released on certification of satisfactory completion of the contract and no liability to UCSL by Officer-in charge. The Security Deposit retained will not bear any interest.





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10. PERFORMANCE GUARANTEE

- 10.1. The complete work carried out by the contractor shall be guaranteed against defective on poor workmanship for a period of six months from the date of completion of work or till delivery of that vessel, whichever is earlier. Any work found defective during this period is to be repaired entirely at the contractor's cost at the vessel's location and such repaired items shall be guaranteed for a further period of three months from the date of repair.
- 10.2. Should any unsatisfactory performance and / or damage or failure occur due to poor workmanship and poor-quality material used by the contractor, the contractor shall be solely responsible for payment/reimbursement of expenditure incurred by Ship owner for rectifying the defect.
- 10.3. Towards this, a performance guarantee equivalent to 5% of the value of the contract to be furnished by the contractor on completion of the works by way of a bank guarantee (in approved proforma of UCSSL) from a nationalized bank valid till the expiry of the guarantee period. In case the contract fails to submit the PG in time, SD mentioned at Clause 10 will be retained till the expiry of guarantee period.

11. LIQUIDATED DAMAGES

- 11.1. The progress of work will be monitored against the mutually agreed detailed schedule. Liquidated damages for delays in execution of the work beyond the scheduled date of completion, for any reason other than force majeure conditions, will be recovered at the rate of half percent of the value of the contract per week or part thereof, subject to a maximum of ten (10) percent of the value of the contract.
- 11.2. For better clarity, order values mentioned in LD clause are values excluding duties and taxes (Basic value). Liquidated damages, if any, shall be decided and settled only after the completion of the entire project but prior to the release of Final stage Payment.
- 11.3. If, for any reasons, supplier has a justification towards delay in supply / work execution and would intend to consider applicability/ non applicability of LD, the same shall be intimated to UCSSL by way of a letter, failing which it will be deemed that delay is attributable to the supplier.
- 11.4. Delay in supply/Interruption of the work for reasons not attributable to supplier shall entitle extension of the order execution period for proportionate period without any additional cost to UCSSL.

12. POWER OF ATTORNEY

- 12.1. The tenderer(s) shall have to sign in each page of the tender documents with official stamp as a token of his acceptance of the conditions stated therein.
- 12.2. The person signing the tender form on behalf of another or on behalf of a firm, shall enclose to the tender, a Power of Attorney or the said deed duly executed in his favour or the partnership deed giving him such power showing that, he has the authority to bind such other persons or the firm, as the case may be, in all matters pertaining to the contracts. If the Person so signing the tender, fails to enclose the said Power of Attorney, his tender shall be liable for being summarily rejected. The Power of Attorney shall be signed by all partners in the case of partnership concern, by the Proprietor in the case of a proprietary concern, and by the person who by his signature can bind the company in the case of a Limited Company.





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13. TERMINATION & LIMITATION OF LIABILITY

- 13.1. This contract may be terminated upon the occurrence of any of the following events
- 13.2. By agreement in writing of the parties hereto;
- 13.3. By the non-defaulting party, upon default by the other party, of any clause of this contract, if not remedied within fifteen (15) days, or such longer time as may be agreed upon by the parties, after receipt of notice thereof in writing from the non-defaulting party;
- 13.4. By the other party, upon either party;
 - i. Making the assignment for the benefit of creditors, being adjudged a bankrupt or becoming insolvent; or
 - ii. Having a reasonable petition filed seeking its' dissolution or liquidation, not stayed or dismissed within sixty (60) days; or
 - iii. Ceasing to do business for any reason.
- 13.5. For fraud and corruption or other unacceptable practices.
- 13.6. Upon expiry or termination of this Contract, neither party shall be discharged from any antecedent obligations or liabilities to the other party under this Contract unless otherwise agreed in writing.
- 13.7. UCSL may by notice in writing to Contractor to terminate the order after issuing due notice i.e., 30 days' notice period. UCSL shall be entitled to compensation for loss limited to the order value.
- 13.8. Liability maximum that can be claimed by the Contractor shall be limited to what is due to be and has been paid by UCSL for work done as per the payment milestones and limited to work order value.

14. ARBITRATION & JURISDICTION

- 14.1. Any disputes arising during the period of the contract shall, in the first instance be settled by mutual discussions and negotiations. The results of such resolution of dispute shall be incorporated as an amendment to the contract, failing which supplier shall approach the UCSL Grievance Redressal Committee as per relevant clause of the Contract.
- 14.2. If any dispute, disagreement or question arising out of or relating to or in consequence of the contract, or to its fulfillment, or the validity of enforcement thereof, cannot be settled mutually or the settlement of which is not herein specifically provided for, then the dispute shall within thirty days from the date either party informs the other in writing that such disputes, disagreement exists, be referred to arbitration. The arbitrators shall be appointed and the arbitration proceedings shall be conducted in accordance with and subject to the Arbitration and Conciliation Act, 1996 (No. 26 of 1996) as amended from time to time and the decision of the Arbitrators shall be final and binding on the parties hereto. The arbitration will be done by a Board comprising one arbitrator nominated by each party, and a mutually agreed Umpire. Each party shall bear its own cost of preparing and presenting its case. The cost of arbitration shall be shared equally by the parties unless the award provides otherwise. Performance under this Contract shall however, continue during arbitration proceedings and no payment due or payable by the parties hereto shall be withheld unless any such payment is or forms a part of the subject matter of arbitration proceedings.
- 14.3. Seat & Venue of Arbitration: The seat & venue of arbitration shall be at Bangalore.
- 14.4. Language of Arbitration: The Language of arbitration shall be English.
- 14.5. Governing Law: The contract shall be governed by Indian Law
- 14.6. In case of disputes, the same will be subjected to the jurisdiction of courts at Bangalore, Karnataka.





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15. SUB CONTRACTING AND ASSIGNMENT

- 15.1. Contractor shall not assign or transfer the Purchase Order/ Work Order or any share or interest therein in any manner or degree to any third party without the prior written consent of UCSSL.
- 15.2. Contractor shall not contract with any subcontractor and/or vendor without the prior written consent of UCSSL. Such consent shall not relieve the Contractor from any of his responsibilities and liabilities under the Purchase Order/ Work Order. In addition, Contractor shall ensure that the terms and conditions of any such contract shall comply with and correspond to the terms and conditions of the Purchase Order/ Work Order.

16. SECRECY & RESTRICTION ON INFORMATION TO MEDIA

- 16.1. The information contained in the enquiry as such shall NOT be communicated to any third party without prior approval of UCSSL.
- 16.2. Information in respect of contracts/orders shall NOT be released to the national or international media or anyone not directly involved in its execution without the written approval of UCSSL.

17. CANCELLATION OF ORDER AND RISK CONTRACTING

- 17.1. In the event the Contractors fails to complete the work promptly and satisfactorily as per the terms of the order, and if any work is delayed beyond thirty (30) days from the agreed schedule, UCSSL, without prejudice, reserves the right to cancel the order and get the work done at Contractor's cost and the expenditure so incurred including any damage or loss will be recovered from him and the Security Deposit furnished by him is liable to be forfeited either in whole or in part.
- 17.2. UCSSL also reserves to right to impose penalties ranging from Rs. 100 to Rs.500 to the employees of contractors and will be deducted from the bills, for any habitual offence on the cleanliness of uniforms, lack of obedience, not attending the tasks etc., and will be to the discretion of the Officer in charge for the work.

18. FORCE MAJEURE

- 18.1. Should failure in performance of any part of this contract arise from war, insurrection, restraint imposed by Government act or legislation of other statutory authority, from explosion, riot, legal lock-out, flood, fire, act of God or any inevitable or unforeseen event beyond human control which will be construed as a reasonable ground for extension of time, UCSSL may allow such additional time as is mutually agreed to be justified by the circumstances of the case.

19. SAFETY OF PERSONNEL AND FIRST AID

- 19.1. The contractor shall be entirely responsible for the safety of all the personnel employed by him on the work. In this regard, he may adopt all the required safety measures and strictly comply with the safety regulations in force. A copy of UCSSL's "Safety Rules for Contractors (Revised)" is available with HSE department for reference.





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- 19.2. The Contractor may arrange to suitably insure all his workmen/ other personnel in this regard. UCSL will not be responsible for any injury or illness to the Contractor's workmen/other personnel during execution of the works due to whatsoever reasons.
- 19.3. In this regard, the Contractor will have to fully indemnify UCSL against any claims made by his workmen/other personnel
- 19.4. The Contractor shall provide and maintain so as to be readily accessible during all working hours, a first aid box with prescribed contents at every place where he employs contract labor for executing the works.

20. LABOUR LAWS AND REGULATIONS

- 20.1. The Contractor shall undertake and execute the work with contract Labor only after taking license from the appropriate authority under the Contract Labor (Regulation & Abolition) Act 1970.
- 20.2. The Contractor shall observe and comply with the provisions of all labour and industrial laws and enactments and shall comply with and implement the provisions of the Factories Act, 1948, 'Employees Provident Funds & Miscellaneous Provisions Act, 1952, Employees State Insurance Act, Payment of Gratuity Act, minimum Wages Act, Payment of Bonus Act, Contract Labour (Regulation and Abolition) Act and all other enactments as are applicable to him and his workmen employed by him. The Contractor shall inform UCSL his license number from the Central Labour Commissioner.
- 20.3. All Persons, except those exempted under the respective Acts, shall necessarily be insured under the ESI scheme and be made members of the EPF Scheme from the day of their engagement as personnel in the Company. In Case 1, All such insured Persons should carry with them their ESI Identity Card for verification by the authorities. No Persons without a valid ESI Identity Card for verification by the authorities will be permitted to work in the company.
- 20.4. The Contractor shall submit the Labour Reports/Returns as required by the Company from time to time in respect of their workmen in standard format to the concerned contracting officer so as to enable the same to reach Contract cell by the 5th of every month. Delayed submission of the same shall attract penal interest /damages at the rate as levied by the respective authorities under the relevant Acts.
- 20.5. The Contractor shall maintain the records viz. Muster Roll, Acquittance Roll with full details, Account books etc., in original. These are required for inspection by the concerned authorities under each scheme.
- 20.6. If the Contractor fails to pay any contributions, charges or other amounts payable under any of the aforementioned provisions of law, UCSL shall deduct or adjust amounts equivalent to such contribution, charges or amounts from amount payable to him by UCSL, including any deposit or amounts payable against bills and make payments on his account to the appropriate authority. He shall not be entitled to question or challenge such deductions, adjustments or payment made by UCSL.
- 20.7. Any other amount payable under any law or in respect of any person employed by the Contractor, if not paid by him, shall be deducted or adjusted by UCSL out of any amount payable to the Contractor including any Security Receipt and paid ever or withheld for payment by UCSL.
- 20.8. The Contractor shall be fully responsible for the conduct and discipline of the workmen employed by him in the Company premises. If such workmen commit any misconduct or





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criminal act inside the Company, the Contractor shall take appropriate action against such workmen. The Contractor shall abide by the instructions/ guidelines issued by the Company for maintenance of discipline and good conduct among the workmen employed by him.

20.9. All persons who are engaged for various works in UCSL either directly or through Contractor, should produce the following documents prior to issuing their entry passes:

20.10. Passport/Aadhaar attested copy of passport with photo and address particulars.

OR

Police clearance certificate with photo and address particulars. (Police clearance certificate to the effect that the concerned person is staying in the area of jurisdiction of the certificate issuing Police Station and that the person is not involved in any criminal offences as per the records available therein.)

20.11. Application and Declaration for enrolling under Employees Provident Fund and ESI Scheme- 3 individual passport size photographs and two copies of family photographs of the members.

20.12. **Contractor shall familiarize themselves with the labour rules & regulations.**

21. OVERWRITING & CORRECTIONS

21.1. Tenders shall be free from overwriting or erasures. Corrections and additions, if any, shall be duly attested and a separate list of such corrections shall be attached with the offer

22. OTHER TERMS & CONDITIONS

22.1. Quality of services shall conform to the specification/ standards laid down by UCSL.

22.2. UCSL reserves the right to accept / reject any offer.

22.3. **UCSL reserves the right to award the work to more than one contractor or to take over partially or fully the work depending upon the schedule requirements.**

22.4. During the evaluation of tender, officer-in-charge may seek clarifications from the bidders. Clarification if any shall be given in writing/e-mail. Officer-in-charge's decision will be final and binding on the bidder.

22.5. Compliance of all statutory safety requirements and other safety rules stipulated by UCSL and other applicable statutory bodies shall be the responsibility of the Contractor while working at UCSL premises. The Contractor should ensure that their workmen and staff are adequately covered under Insurance.

22.6. Damages caused to the Shipyard properties/tools/accessories should be rectified by the Contractor at his cost or proportional recoveries will be made from the Contractor while passing their bills for payment.

22.7. The service provider shall have to engage men on round the clock basis and also on Sundays and holidays. Service has to be completed to the satisfaction of Udupi Cochin Shipyard Limited officer in-charge.

22.8. The service provider shall indemnify UCSL or its officers against any claims arising out of accidents or injuries to workmen or other persons or damage to other property which may arise during the execution of the contract or from breach of any Law or Regulation prior to delivery and acceptance of the items at UCSL.

22.9. The service provider shall also be governed by the General Conditions of Contract of UCSL, General Safety Rules and other relevant labour laws.





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- 22.10. The upper age limit of all workers and supervisors employed by the Contractor and those Contractor who do or supervise the job themselves shall be as per the prevailing rules of UCSL and shall comply to the requirements of this tender.
- 22.11. Assistant General Manager, or his authorized representative will be the Officer-in-charge of these contracts.

23. ELIGIBILITY CRITERIA

- 23.1. The Bidder shall be a single firm having experience in electrical works, especially in substation/heavy electrical areas in the last three years.
- 23.2. The technical experience means "the experience of successfully completed similar works for period of 3 years. In the case of ongoing works, work progress report from the authorized officer of the work order issued firm shall be submitted for considering UCSL requirement.
- 23.3. The contractor must have a site-in charge/ supervisor to execute work, with a minimum experience of 3 yrs. in Electrical field.
- 23.4. If the experience claimed by the bidder is of no relevance with respect to heavy electrical works, then such experience will not be considered for pre-qualification. Decision taken by UCSL in this regard will be final.
- 23.5. The Bidder should furnish the required work-specific information and satisfactory documentary evidence such as copy of work order / agreement and a certificate from the employer for satisfactory completion of work or any other relevant document indicating completion of work shall be submitted to UCSL in support of its claim of experience, during the technical bid submission stage.
- 23.6. Bidder shall not be under a declaration of ineligibility issued by Govt. of India/ State govt./ Public Sector Undertakings etc. The bidder shall not have been debarred / black listed by UCSL or by any of the Public Sector Undertaking or Government department etc.





SCOPE OF WORK

TENDER FOR UCSL-CHENGALPETTU UNIT SUBSTATION SHIFTING & MISCELLANEOUS ELECTRICAL WORKS

1. SCOPE OF CONTRACTOR:

I. 11kV DP structure, fencing, gate & earthing

A. 11KV DP structure (for both EB and Consumer)

- Supply, Erection, Testing and Commissioning of 11 KV DP Structure Comprising the Following parts.
 - 1) RSJ Pole 30 Feet - 2 Nos
 - 2) 11 KV insulator with metal part - 3 set
 - 3) 11 KV Ab switch with totem pod operating handle ect.,-1set
 - 4) 11 KV Single pole channel type HG fuse with insulator - 3 sets
 - 5) 11 KV Insulator With 'A' Stools -- 3 no's
 - 6) 100x50 Channel cross Arm with Necessary MS Channels -- 9 Nos
 - 7) 11 KV Lighting arrestor -- 3 no's
 - 8) Including post supporting plat Form double Coated Aluminium Point and etc., -
 - 9) Civil Work for Double pole Structure.
 - 10) Rest all other component required for the completion of above work need to consider.

B. 11 KV HT Metering Box

- Supply & fixing of 11 KV HT metering box as per TNEB norms.

C. Earthing

- Supply, erection, testing and commissioning of 40mm diameter 2.75m long GI pipe earth electrodes with funnelling arrangements medium like charcoal, salt etc., and masonry pit with cover with as per IS:3043 (Body Earth - 6 no's, Surge Arrestor -1 no's, Lighting Arrestor -2 no's.).
- Supply, Installation, Testing & Commissioning of 25 x 3 mm, Copper Flat.
- Supply & Erection of Zero Copper.
- Supply & Erection of 8 swg Copper wire.





D. Fencing and gate

- 1" welding mesh fencing using 10SWG GI wire with ms angle frame work and vertical 75x75x40mm C' Channel & 40*6 L angle supports at 1500mm C/C with a height of 1800mm above formed level at yard with suitable foundation for verticals.

E. Gate

- Weld mesh gate with vertical supports made of 75x45x6mm angle height with necessary foundation, locking arrangement with painting (1500Wx1800H).
- Supply & leveling of new HT Yard by providing M-Sand & Spreading of 40mm Blue metal Uniformly

F. 800A HT VCB for trasnformer yard

- 11KV HT VCB Single Panel Out Door
- Vacuum Circuit Breaker
- Horizontal Draw Out VCB fitted with Manual / Motor Operated spring charging mechanism with 230V AC Motor & Motor Control Switch, Mechanical ON / OFF indicator Operation Counter, Automatic safety shutters & push button.
- Shunt trip Coil -1 Nos
- Closing Coil -1 Nos
- Spare auxiliary contact -1 Nos
- Anti-pumping Feature -1 Nos
- 230VAC / 110V DC Power Pack - 1Nos
- Potential Transformer
- Three Phase, Resin cast, Fixed, Dry type, Potential Transformer with HT/LT Fuses - 1 Nos
- Current Transformer
- Single Phase, Resin cast, Dry type, Current Transformer of Ratio: -3 Nos
- Core 1: Metering
- Core 2: Protection





Metering

- Digital Ammeter with Selector Switch -1 Nos
- Digital Voltmeter with Selector Switch -1 Nos
- Digital Multifunction -1 No

Protection

- Numerical Non-Directional IDMT combined 3O/C and 1E/F relay with highest -1 Nos
- High speed / Master trip relay -1 Nos
- Indication Lamps / Annunciation
- VCB OFF/ON/Auto trip/Trip circuit healthy/Spring charge indication lamps -1 Set
- RYB Phase indicating lamps -1 Set
- Control Switches / Push Buttons
- Breaker Control Switch (Close-Neutral-Trip) - 1 Nos
- Trip Circuit Healthy Push Button - 1 Nos

II. 11KV 500KVA transformer & earthing

A. 11kv 500 KVA transformer

- Installation of 500KVA transformer (UCSL will supply the transformer). necessary cable rooting and cable termination. Everything will be under contractor scope.

B. Earthing

- 'Supply, erection, testing and commissioning of 40mm dia 3 long GI pipe earth electrodes medium like charcoal, salt etc., and masonry pit with cover with as per IS:3043 (Body Earth - 2nos for transformer)
- Supply, Testing, Commissioning of 40mm dia GI earth pipe buried in the underground with 600 X 600 X 3mm copper plate with charcoal and salt with necessary civil earth pit manual cover for (Neutral earth -2 nos for transformer)
- Supply, testing & Commissioning of 40 x 6 mm Cu Strip
- Supply, testing & Commissioning of 75 x 6mm Cu Strip





III. HT cable & termination kit (Quote separately. check for exiting cable that can be used).

- Supply & laying of 11 KV (E) Grade 3 core, 185 sq. mm AL conductor, HT XLPE insulated cable Armored & XLPE sheathed.
- Supply & Erection of Outdoor Type Cable End Termination for 11 KV (E) Grade 3 core, 185sq. mm AL conductor, HT XLPE insulated cable.
- Supply & Erection of Indoor Type Cable End Termination for 11 KV (E) Grade 3 core, 185sq. mm AL conductor, HT XLPE insulated cable.
- Charges For Soil Excavation at the Depth of 1.5 Mtr long & Back Filling Soil.

IV. LT panels

A. Supply fabrication installation testing and commissioning of the following

- Supplying, erecting, connecting and commissioning of floor mounted cubicle type single type dg incomer attachment panel with necessary foundation channels, etc., The cost shall also include: unloading, positioning., The Board shall be incorporated with the following: -

DG incomer: 800 AMPS 4P ACB 50 KA (Ics) with standing Capacity of Electrically draw out type and with Microprocessor based releases (with Over current / Earth fault / Short circuit / shunt trip coil with under voltage releases)

Interlocking arrangement: Mechanical interlocking arrangement shall be provided between the DG incomer and EB Incomer.

- Multifunction meter in DG I/C: 1 only
- Demand controller for EB Incomer
- RYB Indicating Lamps of LED Clustered type and Control MCBs shall be provided.

B. Automatic power factor control panel – 150 KVAR

- Supply, installation testing and commissioning of following automatic power factor control panels made out of 16/14 swg CRCA sheet compartmental type enclosure





finished with power coated with micro controlled base programmable controller which switches the capacitor of suitable capacity automatically in multi stages by directly reading the reactive load (KVAR) which works in the principle of VAR sensing tends to maintain the power factor 0.99 lag .3SCVTS to measure all the three phase 3S automatic scrolling of voltage and current in three phases K, KVAR, KVA and p.f through LCD display low and high voltage protection with suitable contactors to switch in and switch out the capacitor and suitable ACB as incoming with AL busbar

Incomer of the panel - 400A, TPN, MCCB, 36ka thermal magnetic release

Outgoing:

- 1) 50 KVAR feeder each fitted with heavy duty Capacitors- 1 nos having 125A, TP, MCCB -1 nos has incomer with contactor and duty capacitors
- 2) 25 KVAR feeder each fitted with heavy duty Capacitors- 1 nos having 100A, TP, MCCB -1 nos has incomer with contactor and duty capacitors.
- 3) 15 KVAR feeder each fitted with heavy duty Capacitors- 2 nos having 63A, TP, MCCB -2 nos has incomer with contactor and duty capacitors
- 4) 10 KVAR feeder each fitted with heavy duty Capacitors- 3 nos having 63A, TP, MCCB -1 nos has incomer with contactor and duty capacitors
- 5) 5 KVAR feeder each fitted with heavy duty Capacitors- 2 nos having 32A, TP, MCCB -1 nos has incomer with contactor and duty capacitors
- 6) 3 KVAR feeder each fitted with heavy duty Capacitors- 1 nos having 32A, TP, MCCB -1 nos has incomer with contactor and duty capacitors
- 7) 2 KVAR feeder each fitted with heavy duty Capacitors- 1 nos having 32A, TP, MCCB -1 nos has incomer with contactor and duty capacitors
- 8) Dummy Shell - 1 Nos.
- 9) with 12 stage relay and auto/manual switch with R, Y, B indication lamps in the incomer

Note: For other LT panel Specification please go through the Single line diagram and quote separately for the LT panels like SSB, PDB and LDB





V. Light fixture

1. Supplying, erecting of 2x2 36w LED Fall ceiling Fitting
(Office & Conference Area) – 28 Nos
2. Supplying, erecting of 20w 4 Feet Led Batten Type Tube Light Fitting
(Office , Store Case, Engineers Room) – 100 Nos
3. Supplying, erecting of 120w Led High Bay Light Fitting
(Factory Area) – 16 Nos
4. Supplying, erecting of 120w Led Focus Light Fitting
(Out Door Area) – 10 Nos

VI. Earthing

- 'Supply, erection, testing and commissioning of 40mm diameter 2.75m long GI pipe earth electrodes with funnelling arrangements medium like charcoal, salt etc., and masonry pit with cover with as per IS:3043
- Supplying, laying and connecting of 25x6 mm GI flat. Flat laid in open fashion with necessary clamps, screws, interlinks etc for Panel earthing
- Supply & Erection of 8 SWG copper wire for earthing.

VII. Miscellaneous work

1. Supply & fixing of set of 4 nos round bottomed fire buckets with necessary markings filled with river sand and mounted on a M S stand as per standard practice
2. Supply of shock treatment chart in Tamil, Hindi & English language duly laminated/glass framed
3. Supply of rubber mats having the standard size of 1' X 2' electrostatic mat
4. Supply of vitreous enamelled 11KV Danger boards as required by the CEIG/CEA
5. supply of vitreous enamelled 440V danger boards as required by the CEIG/CEA
6. Supply of first aid box of Thadani make containing full complement of medicines, ointments & bandages etc.,
7. Supply & installation of cast iron HT cable route markers with necessary angle iron supports and civil works
8. Supply of 11KV earth Discharge rod
9. Supply of 11KV Hand Gloves





VIII. Liasoning and approval

1. Preparation and submission of application, liasioning with TNEB and CEA for getting load sanction of PER KVA demand, availing EB supply & all necessary co-ordination up to completion of the project.
2. Preparation of CEIG and CEA drawing, submission, getting drawing approval arranging First inspection, attending the defects with regards to electrical, getting safety certificates etc. The job includes submission of as built drawings. The contractor should submit 5 sets
3. Charges for constructing PCC Plinth bed for VCB having the following measurement 1 ½" *3: 1mtr H
4. Charges For Removing of 11 KV DP Structure & Fencing, Main Panel, SSB, PDB , LDB , Cable
5. Charges For Main Panel Servicing Work
6. CEA approval is a mandatory requirement.

The scope of the contractor also includes:

- 1.1. The contractor, while executing the work, shall conform to the provision of the Government Acts relating to the work and to the regulations and Bye laws of the local authorities, and of the company to whose system of supply the installation is proposed to be connected. The contractor shall give all notices, required by the Acts, Regulations or By-Laws. He will also undertake to provide test certificates and drawings as electricity supply. The contractor shall also obtain all approvals for the items of work done under this contract from the appropriate authorities. Contractor shall possess valid electrical contractor's license issued by the inspectorate of the government.
- 1.2. The contractor should have valid Class-A approval and also the contractor should be in a possession to coordinate with TNEB & CEA authority at all levels for the successful completion of the scope of job.
- 1.3. All materials required for the civil and construction/installation work shall be supplied by the contractor. The cement and steel shall also be supplied by the Contractor
- 1.4. The pole is to be erected in alignment with utmost care and the excavated earth should be back filled properly by ramming or concreting
- 1.5. The Contractor shall provide and install danger plates on all DP & four pole structures and at all poles where DT is installed. The danger plates shall conform to REC specification No.57/1993
- 1.6. Any materials supplied by the contractor, if damaged in any way during cartage or execution of work or otherwise, shall be made good by the contractor at his own cost
- 1.7. The contractor shall provide their employees with all Personal Protective Equipment (PPE) such as safety helmets, gloves, leg guards, safety belts, safety harness, safety aprons and safety shoes and shall ensure safety of personnel at the site at all times.





Udupi Cochin Shipyard Limited
TENDER FOR UCSL-CHENGALPETTU UNIT SUBSTATION SHIFTING & MISCELLANEOUS ELECTRICAL WORKS
UCSL/CC/T/CGPT/219 Dt 29th December 2023

1.8. List of approved makes:

List of make		
Sl.No.	Material	Recommended Brand
1	Transformer	SPS / 3S/KEL
2	VCB	Siemens
3	HT/LT cable	Polycab / Havells
4	HT termination kit	Raychem/ 3M
5	ACB/MCCB	L&T / ABB
6	Capacitor	L&T / Epcos
7	APFCR relay	Epcos/Mikro
8	Energy meter	Trinity/Conserve/Secure
9	Indication lamps	L&T/Esbee

2. SCOPE OF UCSL:

1. UCSL will provide necessary work instructions, technical specifications and applicable drawings etc. for the work.
2. Assistance from yard will be limited to Entry pass for personnel /Crane assistance/Fork Lift assistance for loading and unloading of items within UCSL premises, subject to availability at free of cost.
3. UCSL shall not be responsible for any compensation to personnel for injuries etc under any circumstance, whatsoever.
4. Water for drinking and other purpose will be provided.

3. ADDITIONAL WORKS

- 3.1. This is a turnkey job and any additional works up to 10% growth of work is to be envisaged and is to be undertaken without any additional price impact.
- 3.2. The work shall be carried out in the best workmanlike manner and any defect in the work or changes in the design etc., if pointed out shall be carried out by the contractor within the tendered rates.
- 3.3. Any minor modifications, resulting from the change in statutory regulations prevailing at the time of final inspection of work, to be carried out by the Contractor free of cost. In case of rework/modification/additional work, written consent is to be obtained from the Officer-in-charge before commencement of the work.
- 3.4. Contractor shall carry out the complete work in accordance with Shipyard's approved drawings. Any minor modifications from drawing or any other work or supply of material, which is not specified hereunder, but is considered incidental and essential for the successful completion of the job shall be carried out by the Contractor without any additional charge.
- 3.5. Contractor shall execute, during or after completion of the work, any minor job connected with the work, that is considered necessary by Shipyard and/or Classification Society
- 3.6. The contractor shall mobilize the necessary manpower to commence the job within the stipulated schedule.
- 3.7. The contractor shall be responsible for any damage caused to the material supplied by UCSL. Compensation with penalty for damage or loss of the item will be recovered from the Contractor, in the event of loss or damage.





ANNEXURE – III
Udupi Cochin Shipyard Limited

TENDER FOR UCSSL-CHENGALPETTU UNIT SUBSTATION SHIFTING & MISCELLANEOUS ELECTRICAL WORKS
UCSSL/CC/T/CGPT/219 Dt 29th December 2023

Bill of Materials for the complete electrical works at Chengalpattu facbrication unit			
S.No	Description	Unit	Qty
(A) 11kV DP STRUCTURE, FENCING, GATE & EARTHING			
1	11KV DP STRUCTURE (for both EB and Consumer)		
1.1	Supply, Erection ,Testing and Commissioning of 11 KV DP Structure Comprising the Following		
	RSJ Pole 30 Feet --- 2 Nos		
	11 KV insulator with metal part - 3 set		
	11 KV Ab switch with tondem pod operating handle ect.,-1set		
	11 KV Single pole channel type HG fuse with insulator - 3 sets		
	11 KV Insulator Wirh 'A' Stools -- 3 nos		
	100x50 Channel cross Arm With Necessary MS Channels -- 9 Nos		
	11 Kv Lighting arrestor -- 3 nos		
	Including post supporting plat Form double Coated Aluminium Point and etc., -		
	Civil Work For Double pole Structure	Set	2
2	11 Kv HT Metering Box		
	Supply & Fixing of 11kv HT metering box as per TNEB norms	Nos	1
2.1	EARTHING		
2.2	'Supply, erection, testing and commissioning of 40mm dia 2.75m long GI pipe earth electrodes with funnelling arrangements medium like charcoal, salt etc., and masonry pit with cover with as per IS:3043 (Body Earth - 6 nos , Surge Arrestor -1 nos, Lighting Arrestor -2 nos)	Set	9
2.3	Supply, Installation, Testing & Commissioning of 25 x 3 mm, Copper Flat	Mtr	280
2.4	Supply & Erection of Zero Copper	Mtr	80
2.5	Supply & Erection of 8 swg Copper wire	Mtr	200
3	FENCING AND GATE		
3.1	1" welding mesh fencing using 10SWG GI wire with ms angle frame work and vertical 75x75x40mm C' Channel & 40*6 L angle supports at 1500mm C/C with a height of 1800mm above formed level at yard with suitable foundation for verticals	L/s	1

S.No	Description	Unit	Qty
3.2	GATE		
	Weld mesh gate with vertical supports made of 75x45x6mm angle height with necessary foundation, locking arrangement with painting (1500Wx1800H)	Nos	2
3.3	Supply & Levelling of new HT Yard by providing M-Sand & Spreading of 40mm Blue metal Uniformly	L/s	1
3.4	800A HT VCB		
	11KV HT VCB SINGLE PANEL OUT DOOR		
	Vacuum Circuit Breaker		
	Horizontal Draw Out VCB fitted with Manual / Motor Operated spring charging mechanism with 230V AC Motor & Motor Control Switch, Mechanical ON / OFF indicator Operation Counter, Automatic safety shutters & push button.		
	Shunt trip Coil -1 Nos		
	Closing Coil -1 Nos		
	Spare auxiliary contact -1 Nos		
	Antipumping Feature -1 Nos		
	230VAC / 110V DC Power Pack - 1Nos		
	Potential Transformer		
	Three Phase, Resin cast, Fixed, Dry type, Potential Transformer with HT/LT Fuses -1 Nos		
	Current Transformer		
	Single Phase, Resin cast, Dry type, Current Transformer of Ratio: -3 Nos		
	Core 1: Metering		
	Core 2: Protection		
	METERING		
	Digital Ammeter with Selector Switch -1 Nos		
	Digital Voltmeter with Selector Switch -1 Nos		
	Digital Multifunction -1 No		
	Protection		
	Numerical Non-Directional IDMT combined 3O/C and 1E/F relay with highset -1 Nos		
	High speed / Master trip relay -1 Nos		
	Indication Lamps / Annunciation		
	VCB OFF/ON/Auto trip/Trip circuit healthy/Spring charge indication lamps -1 Set		
	RYB Phase indicating lamps -1 Set		
	Control Switches / Push Buttons		
	Breaker Control Switch (Close-Neutral-Trip) - 1 Nos		
	Trip Circuit Healthy Push Button - 1 Nos	Nos	1

S.No	Description	Unit	Qty
(B) 11KV 500KVA TRANSFORMER & EARTHING			
4	11kv 500 kva existing transformer installation		
4.1	installation, testing and commissioning of 11kv 500 kva, outdoor type oil cooled with OLTC / RTTC having HV side cable box and LV side cable box .transformer cable termination everything need to be done.	Nos	1
5	EARTHING		
5.1	'Supply, erection, testing and commissioning of 40mm dia 3 long GI pipe earth electrodes medium like charcoal, salt etc., and masonry pit with cover with as per IS:3043 (Body Earth - 2nos for transformer)	Set	2
5.2	Supply, Testing, Commissioning of 40mm dia GI earth pipe burreid in the underground with 600 X 600 X 3mm copper plate with charcaol and salt with necessary civil earth pit manual cover for (Neutral earth -2 nos for transformer)	Set	2
5.3	Supply, testing & Commissioning of 40 x 6 mm Cu Strip	Mtr	55
5.4	Supply, testing & Commissioning of 75 x 6mm Cu Strip	Mtr	42
5.5	all civil work	LS	1
(C) HT CABLE &TERMINATION KIT			
6	HT CABLE & HT TERMINATION KIT		
6.1	Supply & Laying of 11 KV (E) Grade 3 core, 185 sq. mm AL conductor, HT XLPE insulated cable Armoured & XLPE sheathed	Mtr	30
6.2	Supply & Erection of Outdoor Type Cable End Termination for 11 KV (E) Grade 3 core, 185sq. mm AL conductor, HT XLPE insulated cable	Nos	1
6.3	Supply & Erection of Indoor Type Cable End Termination for 11 KV (E) Grade 3 core, 185sq. mm AL conductor, HT XLPE insulated cable	Nos	3
6.4	Charges For Soil Excavation At the Depth of 1.5 Mtr long & Back Filling Soil	Mtr	20

S.No	Description	Unit	Qty
(D) MS SUPPORT			
7	MS SUPPORT :		
7.1	Supply & erection of MS supports like 'L' angle, 'C' channels, MS flats, square tubes etc along with red oxide and primary	KG	2000
(E) LT PANELS			
8	ATTACHMENT PANEL		
8.1	SUPPLY FABRICATION INSTALLATION TESTING AND COMMISSIONING OF THE FOLLOWING		
	Supplying, erecting, connecting and commissioning of FLOOR MOUNTED CUBICLE TYPE SINGLE TYRE DG INCOMER ATTACHMENT PANEL with necessary foundation channels, etc., The cost shall also including unloading, positioning, etc., The Board shall be incorporated with the following:-		
	DG INCOMER :		
	800 AMPS 4P ACB 50 KA (Ics) with standing Capacity of Electrically draw out type and with Microprocessor based releases (with Over current / Earthfault/ Short circuit / shunttrip coil with under voltage releases)	Nos	1
	INTERLOCKING ARRANGEMNT : Mechanical interlocking arrangement shall be provided between the DG incomer and EB Incomer	Set	1
	Multifunction meter in DG I/C: 1 only		
	Demand controller for EB Incomer		
	ii) RYB Indicating Lamps of LED Clustered type and Control MCBs shall be provided.	Nos	1



S.No	Description	Unit	Qty
9	AUTOMATIC POWER FACTOR CONTROL PANEL - 150kvar		
9.1	Supply, installation testing and commissioning of following automatic power factor control panels made out of 16/14 swg CRCA sheet compartmental type enclosure finished with power coated with micro controlled base programmable controller which switches the capacitor of suitable capacity automatically in multi stages by directly reading the reactive load (KVAR) which works in the principle of VAR sensing tends to maintain the power factor 0.99 lag .3SCVTS to measure all the three phase 3S automatic scrolling of voltage and current in three phases K, KVAR, KVA and p.f through LCD display low and high voltage protection with suitable contactors to switch in and switch out the capacitor and suitable ACB as incoming with Al. busbar		
	Incomer of the panel - 400A, TPN, MCCB , 36ka thermal magnetic release		
	Outgoing:		
	50 KVAR FEEDER EACH FITTED WITH HEAVY DUTY Capacitors- 1 nos having 125A, TP ,MCCB - 1 nos has incomer with contactor and duty capacitors		
	25 KVAR FEEDER EACH FITTED WITH HEAVY DUTY Capacitors- 1 nos having 100A, TP ,MCCB - 1 nos has incomer with contactor and duty capacitors		
	15 KVAR FEEDER EACH FITTED WITH HEAVY DUTY Capacitors- 2 nos having 63A, TP ,MCCB -2 nos has incomer with contactor and duty capacitors		
	10 KVAR FEEDER EACH FITTED WITH HEAVY DUTY Capacitors- 3 nos having 63A, TP ,MCCB -1 nos has incomer with contactor and duty capacitors		
	5 KVAR FEEDER EACH FITTED WITH HEAVY DUTY Capacitors- 2 nos having 32A, TP ,MCCB -1 nos has incomer with contactor and duty capacitors		
	3 KVAR FEEDER EACH FITTED WITH HEAVY DUTY Capacitors- 1 nos having 32A, TP ,MCCB -1 nos has incomer with contactor and duty capacitors		
	2 KVAR FEEDER EACH FITTED WITH HEAVY DUTY Capacitors- 1 nos having 32A, TP ,MCCB -1 nos has incomer with contactor and duty capacitors		
	Dummy Shell - 1 Nos.		
	with 12 stage relay and auto/manual switch with R,Y,B indication lamps in the incomer	Nos	1



S.No	Description	Unit	Qty
10	SSB PANEL -1 (Factory Area)		
10.1	SUPPLY FABRICATION INSTALLATION TESTING AND COMMISSIONING OF THE FOLLOWING		
	Supplying, erecting, connecting and commissioning of FLOOR MOUNTED CUBICLE TYPE SSB -1 PANEL with necessary foundation channels, etc., The cost shall also including unloading, positioning,etc., The Board shall be incorporated with the following:-		
	INCOMER :-		
	400A TPN MCCB -1 No		
	OUT GOING :-		
	125A TPN MCCB - 5 No		
	i) Multifunction meter : 1 only		
	ii) RYB Indicating Lamps of LED Clustered type and Control MCBs shall be provided.	Nos	1
11	SSB PANEL -2 (Factory Area)		
11.1	SUPPLY FABRICATION INSTALLATION TESTING AND COMMISSIONING OF THE FOLLOWING		
	Supplying, erecting, connecting and commissioning of FLOOR MOUNTED CUBICLE TYPE SSB -2 PANEL with necessary foundation channels, etc., The cost shall also including unloading, positioning,etc., The Board shall be incorporated with the following:-		
	INCOMER :-		
	200A TPN MCCB -1 No		
	OUT GOING :-		
	160A TPN MCCB -1 Nos		
	125A TPN MCCB -2 No		
	63A TPN MCCB -3 No		
	i) Multifunction meter : 1 only		
	ii) RYB Indicating Lamps of LED Clustered type and Control MCBs shall be provided.	Nos	1



S.No	Description	Unit	Qty
(F) DISTUBITION BOARD			
12	DISTUBITION BOARD (Factory Machins)		
12.1	Supplying, erecting of 8 Way VTPN DB having the following I/C :- 125A TPN Mccb -1 No O/G :- 63A TPN Mcb- 8 No	Nos	4
12.2	Supplying, erecting of 8 Way 7 Seg LDB DB having the following I/C :- 63A TPN Mcb -1 No O/G :- 40A 2P ELCB -3 No 6/10A TPN Mcb- 24 No	Nos	6
12.3	Supplying, erecting of 12 Way SPN DB having the following I/C :- 32A DP MCB -1 No O/G :- 16/20A SP Mcb- 12 No (AC DB & Office)	Nos	6
12.4	Supplying, erecting of 12 Way VTPN DD Having the Following I/C :- 160A TPN MCCB -1 No O/G :- 63A 3P MCB -12 No (Welding Socket DB)	Nos	3
(G) MODULER BOX			
13	MODULAR BOX		
13.1	Supplying, erecting of 12m Pvc box with Sheet having 6A Switch -8 No 16A 5 Pin Socket - 2 Nos (Office Area)	Nos	26
13.2	Supplying, erecting of 12m Pvc box with Sheet having 6A Switch - 8 No Fan Ragulator -4 No (Celling Fan & Light)	Nos	22
13.3	Supplying, erecting of 2500mm Celling Fan	Nos	20



S.No	Description	Unit	Qty
(H) WIRE & CABLE AND END TERMINATION			
14	CABLE & TERMINATION		
14.1	Supplying, erecting of 2R x2.5 Sqmm & 1R x1.5 Sqmm Cu FRLS wire laid In 25mm MS Conduit Pipe	Mtr	2850
14.2	Supplying, erecting of 2R x1.5 Sqmm & 1R x1 Sqmm Cu FRLS wire laid In 25mm MS Conduit Pipe	Mtr	1000
14.3	Supplying, erecting of 3.5c x 400 Sqmm Al Arm Cable	Mtr	120
14.4	Supplying, erecting of 3.5c x 150 Sqmm Al Arm Cable	Mtr	220
14.5	Supplying, erecting of 3.5c x 95 Sqmm Al Arm Cable	Mtr	230
14.6	Supplying, erecting of 3.5c x 70 Sqmm Al Arm Cable	Mtr	500
14.7	Supplying, erecting of 3.5c x 50 Sqmm Al Arm Cable	Mtr	100
14.8	Supplying, erecting of 3.5c x 35 Sqmm Al Arm Cable	Mtr	80
14.9	Supplying, erecting of 3.5c x 25 Sqmm Al Arm Cable	Mtr	80
14.10	Supplying, erecting of 4c x 16 Sqmm Al Arm Cable	Mtr	650
14.11	Supplying, erecting of 4c x 4 Sqmm Cu Arm Cable	Mtr	600
14.12	Supplying, erecting of 4c x 2.5 Sqmm Al Arm Cable	Mtr	1500
14.13	Supplying, erecting of 3c x 2.5 Sqmm Cu Flex Cable	Mtr	100
15	END TERMINATION		
15.1	Supplying, erecting of 3.5c x 400 Sqmm Al Arm Cable Double Compression End Termination	End	8
15.2	Supplying, erecting of 3.5c x 150 Sqmm Al Arm Cable Double Compression End Termination	End	2
15.3	Supplying, erecting of 3.5c x 95 Sqmm Al Arm Cable Double Compression End Termination	End	2
15.4	Supplying, erecting of 3.5c x 70 Sqmm Al Arm Cable Double Compression End Termination	End	8
15.5	Supplying, erecting of 3.5c x 50 Sqmm Al Arm Cable Double Compression End Termination	End	2
15.6	Supplying, erecting of 3.5c x 35 Sqmm Al Arm Cable Double Compression End Termination	End	4
15.7	Supplying, erecting of 3.5c x 25 Sqmm Al Arm Cable Double Compression End Termination	End	4
15.8	Supplying, erecting of 4c x 16 Sqmm Al Arm Cable Double Compression End Termination	End	16
15.9	Supplying, erecting of 4c x 4 Sqmm Cu Arm Cable Double Compression End Termination	End	56
15.10	Supplying, erecting of 4c x 2.5 Sqmm Al Arm Cable Double Compression End Termination	End	292
15.11	Supplying, erecting of 3c x 2.5 Sqmm Cu Flex Cable End Termination	End	36

S.No	Description	Unit	Qty
(I) LIGHT FIXTURE			
16	LIGHT FIXTURE		
16.1	Supplying, erecting of 2x2 36w LED Fall ceiling Fitting (Office & Confrance Area)	Nos	28
16.2	Supplying, erecting of 20w 4 Feet Led Batten Type Tube Light Fitting (Office , StareCase, Engineers Room)	Nos	100
16.3	Supplying, erecting of 120w Led High Bay Light Fitting (Factory Area)	Nos	16
16.4	Supplying, erecting of 120w Led Focus Light Fitting (Out Door Area)	Nos	10
(J) MS CONDUIT			
17	MS CONDUIT		
17.1	Supplying, erecting of 25mm Ms Conduit pipe With Accessories Like Bend, Junction Box , Clamp Etc .. (Office Area)	Mtr	600
(K) MS ENCLOSURE BOX			
18	MS ENCLOSURE BOX		
18.1	Supplying, erecting of 6x4 Ms Powder Coated Connector Box having with 4way Elmax Pvc Connector (Factory Area)	Nos	16
18.2	Supplying, erecting of 63A 5Pin Industrial Plug Socket Having With 63a 4P Mcb with Ms Enclosure Box (Machines Area)	Nos	15
18.3	Supplying, erecting of 32A 5Pin Industrial Plug Socket Having With 32a 4P Mcb with Ms Enclosure Box	Nos	25
18.4	Supplying, erecting of 100A TPN Mccb with Sparead & Handle in Ms Enclosure Box	Nos	1
18.5	Supplying, erecting of 200A TPN Mccb with Sparead & Handle in Ms Enclosure Box	Nos	1
(L) EARTHING			
19	EARTHING		
19.1	'Supply, erection, testing and commissioning of 40mm dia 2.75m long GI pipe earth electrodes with funnelling arrangements medium like charcoal, salt etc., and masonry pit with cover with as per IS:3043	Nos	7
19.2	Supplying, laying and connecting of 25x6 mm GI flat . Flat laid in open fashion with necessary clamps, screws, intyerlinks etc for Panel earthing	Mtr	210
19.3	Supply & Erection of 8 SWG copper wire for earthing	mtr	160



S.No	Description	Unit	Qty
(M) MISCELLANEOUS WORK			
12	MISCELLANEOUS WORK		
12.1	Supply & fixing of set of 4 nos round bottomed fire buckets with necessary markings filled with river sand and mounted on a M S stand as per standard practice	nos	4
12.2	Supply of shock treatment chart in Tamil & English language duly laminated/glass framed	nos	4
12.3	Supply of rubber mats having the standard size of 1' X 2' electrostatic mat	nos	5
12.4	Supply of vitreous enamelled 11KV Danger boards as required by the CEIG	nos	10
12.5	supply of vitreous enamelled 440V danger boards as required by the CEIG	nos	10
12.6	Supply of first aid box of Thadani make containing full compliment of medicines, ointments & bandages etc.,	set	1
12.7	Supply & installation of cast iron HT cable route markers with necessary angle iron supports and civil works	nos	5
12.8	Supply of 11KV earth Discharge rod	nos	1
12.9	Supply of 11KV HandGloves	Set	1



S.No	Description	Unit	Qty
(N) LIASONING AND APPROVAL			
13	Liasoning and approval with Govt. Agencies :		
13.1	Preparation and submission of application, liasoning with TNEB and CEA for getting load sanction of PER KVA demand , availing EB supply & all necessary co-ordination upto completion of the project (Actual kva will be billed base on site condition)	KVA	1
13.2	Preparation of CEIG drawing, submission, getting drawing approval arranging First inspection, attending the defects with regards to electrical, getting safety certificates etc. The job includes submission of as built drawings. The contractor should submit 5 sets	L/S	1
13.3	Preparting of drawing , load list , compltion certificate and submitted to Local CEA office and getting safety certificate from the same office	L/S	1
13.4	Charges for constructing PCC Plinth bed for VCB having the following measurement 1 1/2"*3: 1mtr H	LS	1
13.5			
13.6	Charges for constructing PCC Plinth bed for Transformer having the following measurement 1 1/2"*3: 1mtr H	LS	1
13.7	Charges For Removing of 11 Kv Dp Structure & Fincing ,Main Panel, SSB, PDB , LDB , Cable	LS	1
13.8	Charges For Main Panel Servicing Work	Ls	1
13.9	All civil works	LS	1



POWER OF ATTORNEY

(On Applicant's letter head)

(Date and Reference)

To
The Assistant General Manager (Materials & Contract Cell)
Udupi Cochin Shipyard Limited
Fishing Harbour complex, Malpe,
Udupi 576 108.

Subject: Power of Attorney

Mr. / Mrs. / Ms. (Name of the Person(s)), domiciled
at (Address),
acting as (Designation and name of the company), and whose
signature is attested below, is hereby appointed as the Authorized Representative and authorized on
behalf of (Name of the
company) to provide information and respond to enquiries etc. as may be required by the Employer for
the project of (Project title) and is
hereby further authorized to sign and file relevant documents in respect of the above.

(Attested signature of Mr.)

For.....
(Name & designation)

(Company Seal)





Udupi Cochin Shipyard Limited
TENDER FOR UCSL-CHENGALPETTU UNIT SUBSTATION SHIFTING & MISCELLANEOUS ELECTRICAL WORKS
UCSL/CC/T/CGPT/219 Dt 29th December 2023

PRICE BID FORMAT

Sl. No.	Description	Supply Amount (Rs.)	Supply Amount incld GST	Labour Amount (Rs.)	Labour Amount incld GST
1	11kv DP STRUCTURE, FENCING, GATE, HT VCB & EARTHING				
2	11kv 500kVA TRANSFORMER ERECTION & EARTHING				
3	HT CABLE & TERMINATION KIT				
4	MS SUPPORT				
5	LT PANEL				
6	DISTRIBUTION BOARD				
7	MODULER BOX				
8	WIRE & CABLE AND END TERMINATION				
9	LIGHT FIXTURE				
10	MS CONDUIT				
11	MS ENCLOSURE BOX				
12	EARTHING				
13	MISCELLANEOUS WORK				
14	LIASONING AND APPROVAL				
15	GRAND TOTAL				
16	Total Basic Amount (Supply & Erection)				
17	Grand Total Amount (Including GST)				

Signature:
Address of the contractor:
Date:
Seal:

Note:

- 1.1. Prices are to be quoted in the Pricing Format. The quotations to be submitted in the company letter head and forwarded to contractcell@udupicsl.com
- 1.2. Bidders should check the scope of work from Annexure-III and quote accordingly in the above format.
- 1.3. L1 will be determined based on the Total amount at Sl. No. 17.





Udupi Cochin Shipyard Limited
TENDER FOR UCSSL-CHENGALPETTU UNIT SUBSTATION SHIFTING & MISCELLANEOUS ELECTRICAL WORKS
UCSL/CC/T/CGPT/219 Dt 29th December 2023

ANNEXURE-VI
TECHNO COMMERCIAL CHECK LIST (To be submitted by the bidder)

(Bidders may confirm acceptance of the Tender Conditions/deviations if any to be specified)

SL No.	Tender Enquiry Requirements	Confirmation from bidder (Strike off whichever is not applicable)	Specific comments /Remarks
1	Terms & Condition, Scope of work & Indicative Quantum of Work. (Annexure-I, II & III)	Agreed as per tender /Do not agree	
2	Schedule Clause 4.1 & 4.2	Agreed as per tender/Do not agree	
3	Eligibility criteria documents	Submitted/Not submitted	
4	Unconditional Acceptance	Agreed as per tender/Do not agree	
5	Offer Validity	01 Year - Agreed as per tender/Do not agree	
6	Taxes & Duties	Specified/included in Price	
7	Payment terms - confirm		
a	As per Clause 7 of Annexure - I	Agreed as per tender/Do not agree	
8	Price shall remain firm and fixed and No Escalation in prices after awarding of contract	Agreed as per tender/Do not agree	
9	Security Deposit	Agreed as per tender/Do not agree	
10	Performance Guarantee	Agreed as per tender/Do not agree	
11	Force Majeure	Agreed as per tender/Do not agree	
12	Liquidated damages and cancellation of contract	Agreed as per tender/Do not agree	
13	Arbitration & Jurisdiction clauses	Agreed as per tender/Do not agree	
14	Confirm all other terms and conditions of our enquiry are acceptable.	Confirmed/Not confirmed	
15	Deviations from Tender conditions	No Deviations	

Signature:

Address of the Contractor:

Seal:



UNCONDITIONAL ACCEPTANCE LETTER

(Unconditional acceptance to be given by in letter head)

ACCEPTANCE OF TENDER CONDITIONS

1. Tender Document no. UCSL/CC/T/CGPT/219 dated 29th December 2023 Tender for UCSL- Chengalpettu Unit Substation Shifting & Miscellaneous Electrical works at UCSL has been received by me/us and I/We hereby unconditionally accept the tender conditions of tender documents in its entirety for the above work.
2. It is further noted that it is not permissible to put any remarks/conditions in the tender enclosed in "Part-2 (price bid)". I/We agree that the tender shall be rejected and ACCEPTING AUTHORITY.

Yours faithfully,

(Signature of the tenderer) with rubber stamp

Date:



