



भारतीय समुद्री विश्वविद्यालय
INDIAN MARITIME UNIVERSITY
(A Central University, Government of India)
Established by an Act of the Parliament in 2008

Visakhapatnam Campus - Gandhigram - Visakhapatnam - 530005
Phone: 0891-2578360 Fax: 0891-2577754 www.imuv.edu.in

IMUV/2024/16-17/Annual Maint.Elec.Systems/010/

02 November 2016

To

Sir,

Sub. : Quotation for Annual Maintenance work for electrical systems – reg.

1. **Sealed quotations** are invited from authorized “**A**” **Grade contractors** for Annual Maintenance work for electrical systems including transformers, structures, earth stations, HT and LT cable testing and paintings. After testing the oil, filtration, replacing / replenishing of oil is to be carried out if required. The Schedule of Work to be carried out is enclosed at **Annexure-I**. The quote should be made for the above Schedule of Works item-wise and not on a lumpsum basis and as per **Annexure-I**. If quoted lumpsum, the quote shall be summarily rejected.
2. The quotation may please be addressed to the Director, Indian Maritime University, Visakhapatnam Campus, Gandhigram, Visakhapatnam – 530 005. The quote should be submitted on or before **22nd November 2016**. The quote should be superscribed as **QUOTATION FOR ANNUAL MAINTENANCE WORK FOR ELECTRICAL SYSTEMS**, on the envelope, failing which the offer/quote may not be considered and may remain unopened, or be opened with some other quotation or may be accidentally opened before due date rendering it to be treated invalid as per the discretion of IMU.
3. The price shall be quoted in clear terms separately indicating the unit price and other incidentals, if any, chargeable. If there is no explicit mention of taxes and other charges, if any, in the offer/quote, the price will be deemed as all inclusive including taxes. The quoted price shall be valid for at least three months from the date of closing of the quotation.

Head Quarters

Indian Maritime University, East Coast Road, Uthandi, Chennai - 600119
Tamilnadu, India, Telephone: +91 (44) 24530343, Fax: +91 (44) 25430342

4. The bidder should submit the following copies of Certificate / Documents / Information :

- a) Certificate of Incorporation / Shop Establishment Certificate and Service / Sales Tax Certificate should be attached.
- b) PAN, TAN and Service Tax Registration Certificate along with Service Tax Registration.
- c) The bidder should submit self declaration letter stating that the bidder has not been blacklisted / debarred by any government department / agency, Reserve Bank of India, nationalized bank, or any Public Sector Unit or body.
- d) The bidder should submit valid authorized "**A**" **Grade Contractors Certificate** from Chief Electrical Inspectorate to Government (CEIG).

5. The bidder before quoting may inspect the place of work on any working day from 10AM to 5PM.

6. The Director reserves the right to cancel any quotation (or) all quotations without assigning any reasons in the best advantages of IMU.

For & on behalf of Indian Maritime University
Visakhapatnam Campus

Head (Pers. & Trg.)

Enclosure : Annexure I

Schedule Work

SL. No	Description	Indicative Quantity	Each Rate Rs.	Amount in Rs.
1.	Testing of earth resistance in 11Kv sub-station, A/c plant, 250Kva alternator, 62.5 KVA DG set, AMF panel, LT panel, UPS system, and for Hostel blocks including salt/Bentonite treatment, and values of individual earth electrodes and grid values as per IE rule	33 Nos		
2.	Testing of transformer oil for its dielectric strength, acidity, and BD values. Two samples for two transformers (Top and bottom)	02 Nos (04 Samples)		
3.	Complete servicing of two pole structures (02nos) including fixed and moving contacts, conductors, and earth connection to the handle, insulators and lightning arrestors and also replacing of damaged bolts, nuts and washers.	02 nos		
4.	Testing of 500 Kva transformers on LT and HT side for any abnormal noise, difference in voltage and current.	02 nos		
5.*	Dismantle the lid, drain the oil, repair and rectify the loose connections of the terminal bushings inside the Transformers, arresting the oil leaks of terminal bushings and at tap changing switch and replacing the gaskets. (This clause is applicable, if any leak is detected)	LS for each transformer		
6	Scraping, cleaning, applying metal putty (wherever required) including supply of putty and two coats of enamel spray painting for 02 nos including supply of smoke grey enamel paint of 500Kva transformer, energy meter box and 800 amps SFU at sub-station. Scraping, cleaning and one coat of aluminum enamel paint for two nos of two pole structure, cable support	02 nos		

	ladder, fencing, meter cubicle structure and for the gate of 11Kv sub-station and APSEB fencing.			
7	IR values of HT cable, transformer outgoing cables (LT) and other LT cables of 250 Kva, 62.5 Kva DG set out going cable, AMF panel incoming and outgoing cable, A/c plant incoming and outgoing cables, AHU panel cables, lighting DB cable and UPS system incoming and outgoing cable.	LS		
8.	Filtration of transformer oil for both the transformers.	900 Ltrs		
9	Supply & Topping up of Transformer oil during filtration	50 Ltrs		
10	Removal of 100 mm blue metal, chemical treatment for non-weeding, refilling with the existing 100 mm blue metal at 11 KV Sub-station, Meter fencing and at EPDCL structure fencing	LS		
11	Supply and spreading of 40 mm Blue metal in addition to the existing blue metal for the height of 3" (75 mm) at 11 KV Sub-station, Meter fencing and at EPDCL structure fencing 11 KV Substation : 8.40 MtrX10.80 X0.0762=6.192 Meter Fencing:9.0 Mtr X 5.60 Mtr X 0.0762 =3.840 EPDCL fencing: 9.0 Mtr X 5.0 Mtr X 0.0762=3.429	Approximately 15 Cu.Mtr		
12	Chipping, re-plastering of existing damaged transformer beds, plastering of damaged earth pits chambers and two coats of white wash for transformer beds and earth pits.	LS		
13	Supply and replacement of damaged Cast iron earth pit chamber covers (Size 2' X 2')	06 nos		
14	Supply and fixing of 120 Sq mm Siemens gland and terminal lugs for Hostel AB block EPDCL incoming cable to the EPDCL meter panel	LS		
15	Supply and fixing of 200 Amps/415 Volts Kit Kat rewirable Porcelain Fuse carrier & base with extension	01 set		

	strips unit for Hostel LT incomer (1 set - 03 nos)			
16	Supply, fixing, disconnect & reconnecting of the existing wiring and testing of 250mm X 250mm X100mm MS Street light box of 18 Gauge sheet with red oxide and two coats of aluminum paint with suitable fixing clamps, bolt & nuts, rubber door gasket and base support for fixing 4 pole MCB for basketball and volleyball court lights	06 nos		
	Total from Sl. no 1 to Sl.no.16			
	Tax Component, if any			
	Total			

* The scope includes only, **if any leak is detected** in the HT & LT bushings, door gaskets and at tap changing switch. If the problem is minor, the same shall be carried out at site (The rate shall be indicated for one transformer).

Signature

Stamp & seal of the Agency