



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.nsdr.res.in

IMUV/2024/15-16/Annual Maint.Elec.Systems/006

18 December 2015

To

Sir,

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

You are requested to send your “**sealed quotation**” quoting your rate 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. If quoted lumpsum, the quote shall be summarily rejected. The quote has to be submitted as per the enclosed “**Quotation Sheet**” at **Annexure – II**.

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 **8th January 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 required 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.

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

(V.V. Shiv Kumar)
Head (Pers. & Trg.)

Enclosures :

- 1) Schedule of Work at Annexure – I
- 2) Quotation Sheet at Annexure - II

Schedule of Work

SL. No	DESCRIPTION	QUANTITY
1.	Testing of earth resistance in 11Kv sub-station, A/c plant, 250Kva alternator, AMF panel, LT panel, UPS system, and for Hostels including salt treatment, and values of individual earth electrodes and grid values as per IE rule	27 Nos
2.	Testing of transformer oil for its di-electric 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, loose connections of the terminal bushings on HT and LT side, arresting of oil leaks, and tap connections.	02 nos
5.	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 ladder, fencing, meter cubicle structure and for the gate of 11Kv sub-station and APSEB fencing.	02 nos
6	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
7.	Filtration of transformer oil for both the transformers.	900 Ltrs
8	Supply & Topping up of Transformer oil during filtration	30 Ltrs
9.	Dismantle, supply and fixing of damaged 11 KV conductor, pin and post insulators (each Item wise). Rates at actual on replaced items (inclusive of sales tax)	Pin Insulator (03) Post Insulator (03) Al Conductor/Mtr (5Mtrs)
10	Dismantling the existing Lightning Arrestor's, supply and fixing of 11 KV LA (9KV RMS) with discharge rating of 5 KA (inclusive of sales tax)	03 pieces

QUOTATION SHEET

Quote for Annual Maintenance work for electrical systems for Indian Maritime University,
Visakhapatnam Campus.

SL. No	DESCRIPTION	QUANTITY	Unit price Rs.	Total Amount in Rs.
1.	Testing of earth resistance in 11Kv sub-station, A/c plant, 250Kva alternator, AMF panel, LT panel, UPS system, and for Hostels including salt treatment, and values of individual earth electrodes and grid values as per IE rule	27 Nos		
2.	Testing of transformer oil for its di-electric 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, loose connections of the terminal bushings on HT and LT side, arresting of oil leaks, and tap connections.	02 nos		
5.	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 ladder, fencing, meter cubicle structure and for the gate of 11Kv sub-station and APSEB fencing.	02 nos		
6	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.	Lumpsum		
7.	Filtration of transformer oil for both the transformers.	900 Ltrs		
8	Supply & Topping up of Transformer oil during filtration	30 Ltrs		

9.	Dismantle, supply and fixing of damaged 11 KV conductor, pin and post insulators (each Item wise). Rates at actual on replaced items (inclusive of sales tax)	Pin Insulator (03)		
		Post Insulator (03)		
		Al Conductor /Mtr (5Mtrs)		
10	Dismantling the existing Lightning Arrestor's, supply and fixing of 11 KV LA (9KV RMS) with discharge rating of 5 KA (inclusive of sales tax)	03 pieces		
	Total from Sl. no 1 to Sl.no.10			
	Tax Component			
	Total			

Signature

Stamp & seal of the Agency