

# University of Mumbai

डॉ. बाबासाहेब आंबेडकर भवन,  
कॅम्पस डेव्हलपमेंट युनिट,  
मुंबई विद्यापीठ,  
पहिला मजला, विद्यानगरी परिसर,  
सांताक्रूझ पूर्व, मुंबई- ४०० ०९८  
ई-मेल : cdu@mu.ac.in



CDU/2020

**Dr. Babasaheb Ambedkar  
Bhavan,  
Campus Development Unit,  
University of Mumbai,  
First floor, Vidyanagari Campus,  
Santacruz East, Mumbai- 400 098  
E-mail : cdu@mu.ac.in**

Ref. No.- CDU/01-COVID/468 of 2020

Date : 05/08/2020

## TENDER NOTICE

Wax sealed tenders are invited by the University Engineer, University of Mumbai for following work :

- |    |   |   |  |
|----|---|---|--|
| 1  | Name of work  | : | Energy Audit of two buildings i.e. Dr. Babasaheb Ambedkar Bhavan and I.D.O.L. Building in Santacruz (East), Vidyanagari Campus, University of Mumbai   |
| 2  | Approximate cost of work                            | : | Rs. 2,70,000/- (Rupees Two Lakh Seventy Thousand Only) exclusive of taxes  |
| 3  | Cost of Tender form                                 | : | Rs. 224/- (200 + 12% GST)  |
| 4  | Date for issuing of tender form                     | : | 06/08/2020 after 11:00 AM  |
| 5  | Last date for issuing and submission of tender form | : | 13/08/2020 before 01:00 PM   |
| 6  | Place and time for payment of tender form fees      | : | University cash counter, Examination House, 2 <sup>nd</sup> floor, Room no-45, Vidyanagari Campus  |
| 7  | Place and time of availability of 'Tender'          | : | Office of University Engineer, Dr. Ambedkar Bhavan, 1 <sup>st</sup> floor, Vidyanagari Campus.   |
| 8  | Place for submission of 'Tender'                    | : | Office of University Engineer, Dr. Ambedkar Bhavan, 1 <sup>st</sup> floor, Vidyanagari Campus.   |
| 9  | Mode of payment of Security Deposit (SD)            | : | SD will be 4% of work & shall be payable during issue of work order. SD will be refunded at the time the final bill is submitted against the work done |
| 10 | Period within which work is to be done              | : | 1 Month after issue of work order  |

The blank tender form (Schedule "B") must be submitted and details such as (i) Tender Fee Receipt No. & Date must invariably be written on it. The interested agency willing to participate shall strictly adhere to scope of work and eligibility as mentioned below. The rate should be exclusive of all the taxes. Any over writing in tender document leads to rejection of tender.

Please note that, if any damages are done to electrical wiring, cabling etc. and internal, external pipeline during the Audit work shall be rectified / replaced by the agency immediately at his own expense. University of Mumbai will not be responsible for any postal delay/loss in transit.

University Engineer reserves the right to reject all the tenders or any tender without assigning any reasons thereof and to relax or waive any of the condition stipulated in any document that may be issued wherever necessary.

**University Engineer  
University of Mumbai**



Abstract		
<b>Name of work :</b> Energy Audit of two buildings i.e. Dr. Babasaheb Ambedkar Bhavan and I.D.O.L. Building in Santacruz (East), Vidyanagari Campus, University of Mumbai, Mumbai- 400 098		
Sr. No.	Description	Approx Amount
1	To utilize two buildings to determine the output and efficiency from the energy audit project asdhering to the scope mentioned. The two buildings chosen are:  1. Dr. Babasaheb Ambedkar Bhavan 2. I.D.O.L. Building	270000.00
Total		270000.00
Add 12% GST		32400.00
Grand Total		302400.00

In words: RupeesTwo Lakh Seventy Thousand Only excluding all taxes

(S. V. Rane)  
University Engineer  
University Of Mumbai

I, M/s. \_\_\_\_\_ is willing to carry out the work at \_\_\_\_\_%  
above/below/at par than the amount Rs. 2,70,000/- exclusive of taxes

Rubber Stamp of the firm  
(Signature of the contractor)

## **Energy, Green and Environment Audits**

### **Scope of Audit:**

The Auditor has to provide three reports as :

#### **I. Energy Audit**

Energy Audit report must include assessment of usage, consumption and pattern of energy used in the premises based on all above parameters along with conditions and benchmarks as resource and Building Envelope Analysis, working, operational and Maintenance Procedure Analysis, Utility Data Analysis, Load Data Analysis, Analysis of Energy Consumption, Load Evaluation, consumption pattern and billing history, back-up systems and also the administrative requirements, assessment of safety concerns, assessment of operating and occupancy schedules for Equipment, Power Quality and Environmental Parameters Analysis, Efficiency and Wastage Analysis and assessment of potential risk factors. The report must include all above data along with following points:-

- a. Executive Summary
- b. Project Overview
- c. Utility Analysis
- d. Load Profile (Details, Schedules, Matrix, Balance)
- e. Key observations
- f. ENCONs
- g. Recommendations

#### **II. Green Audit**

Green Audit report must include assessment of premises which refers to ecology friendly environment with lesser carbon emission in terms of initiatives, implementation, best practices, working environment, capacity utilization based on all above parameters observed during energy audit along with conditions and benchmarks as Air Quality, Water Quality, Noise Data, Weather Data, Tree Diversity, Faunal Diversity as well as biodiversity conditions. The report must include all above data along with following points:-

- a. Air Quality
- b. Water Quality
- c. Noise Data
- d. Weather Data (temperature, rain, sun, radiation, Etc.)
- e. Tree Diversity
- f. Faunal Diversity

#### **III. Environment Audit**

Environment Audit report must include assessment of premises on the basis of environmental impact on the premises, overall as well as day to day working, operational activities based on all above parameters observed during energy and green audit along with conditions and benchmarks as Wastage Types and Management, Recycling Procedures, Greening, Environment Impact, Carbon Footprints. The report must include all above data along with following points:-

- a. Wastage Types and Management
- b. Recycling Procedures
- c. Greening
- d. Environment Impact
- e. Carbon Footprints

**Eligibility:**

1. The participating company must own a Calibrated Portable PQA of capacity more than 2500A. Proof of the same (calibration certificate and purchase invoice) has to be submitted along with quotation.
2. The participating company must own Basic measuring instruments. Proof of the same (calibration certificate and purchase invoice) has to be submitted along with quotation.
3. The participating company must own required instruments, tools or machinery. List of the same has to be submitted on letterhead of company along with quotation.
4. The participating company must have a certificate of registration with MEDA as Energy Planner & Energy Auditor under category as Empanelled consultant for Energy Conservation Programme. Copy of the same has to be submitted along with the quotation.
5. The participating company must have an accredited Energy Auditor associated/ working with the company. A signed letter of association along with registration number, certificate issued by NPC and certificate issued by BEE for the same has to be submitted along with the quotation.
6. Since the participating company is going to work with and handle critical electrical points and supplies; the participating company must have License issued by Public works Department, government of Maharashtra as Electric Contractor. License copy has to be submitted along with the quotation.
7. Since the participating company is going to work with and handle critical electrical points and supplies; the participating company must have Electric Contractor category registration with Grade A (unlimited work carrying capacity), from any of the standard authorities, for Eg. MHADA, MCGM, Railways, Etc. Registration copy has to be submitted along with the quotation.
8. The participating company must have executed at least five similar works a self certified list has to be submitted along with the quotation.

It has to be submitted on letterhead of company in following format:-

SL No	Name of Client	Start Date	Completion Date

9. The participating company must have turnover of 1CR at least any one of last three years. A certificate from Chartered Accountant has to be submitted along with the quotation.