



महाराष्ट्र ऊर्जा विकास अभिकरण (महाऊर्जा)
महाराष्ट्र शासनाची संस्था

Maharashtra Energy Development Agency (MEDA)
A Government of Maharashtra Institute



स्वातंत्र्याचा अमृत महोत्सव



ECN/2022-23/CR-68/781

Date: - 24th February, 2023

To,

The Energy Auditors (MEDA empanelled Class "A") / Notice Board / Website

Sub: Regarding submission of quotation for conducting Detailed Energy Audit of the Govt. Institutes under BEE's scheme.

Sir,

Under BEE scheme of implementing Energy Efficiency activities in Govt. Institutes, MEDA has identified following 20 Nos. Govt. Institutes for implementation of energy conservation measures such as replacement of **existing** conventional luminaries, street lights (within campus), fans, pumps and air conditioners with energy efficient BEE 5 star-rated LED lights, LED street lights, BLDC fans, Energy Efficient pumps and 5 star rated air conditioners respectively.

Sr. No.	District	Name of Govt. Institutes	Address
MEDA Pune Division			
1.	Pune	Administrative Building, Savitribai Phule Pune University	Ganesh Khind, Pune
2.	Pune	Ambedkar Bhawan, Savitribai Phule Pune University	Ganesh Khind, Pune
3.	Pune	Girls Hostel, Savitribai Phule Pune University	Ganesh Khind, Pune
4.	Pune	University Guest House, Savitribai Phule Pune University	Ganesh Khind, Pune
5.	Pune	Department of Technology Building, Savitribai Phule Pune University	Ganesh Khind, Pune
6.	Pune	Maharashtra Institute of Hotel Management & Catering Technology, Pune	412/C.K.M Munshi Road, Shivajinagar, Pune 411 016
MEDA Nashik Division			
1.	Jalgaon	Industrial Training Institute (ITI), Bhusawal	Jamner Road, Bhusawal, 425201
2.	Jalgaon	Industrial Training Institute (ITI) & Junior College, Varangaon	Fulgaon Bus stand Fulgaon, Varangaon
3.	Jalgaon	Industrial Training Institute (ITI), Dharangaon	Chopada Road, Dharangaon Tal. Dharangaon
4.	Jalgaon	Industrial Training Institute (ITI), & Junior College, Jamner	Jalgaon Road, Jamner Dist Jalgaon
5.	Jalgaon	Industrial Training Institute (ITI), Amalner	Pimple Road, behind PWD office, Amalner

6.	Jalgaon	Industrial Training Institute (ITI), Jalgaon	NH6, in front of Govt. Polytechnic college, Jalgaon
MEDA Amaravati Division			
1.	Amravati	Girls Hostel (old) Government Polytechnic, Amaravati	Gadge Nagar, Amravati 44603
2.	Amravati	Boys Hostel Government Polytechnic, Amaravati	Gadge Nagar, Amravati 44603
3.	Amravati	Main Building, Government Polytechnic, Amaravati	Gadge Nagar, Amravati 444603
4.	Amravati	Bio Technology Sant Gadge Baba Amaravati University.	Mardi Road, Camp, Amaravati 444602
5.	Amravati	Chemical Technology Sant Gadge Baba Amaravati University.	Mardi Road, Camp, Amaravati 444602
6.	Amaravati	Girls Hostel Sant Gadge Baba Amaravati University.	Mardi Road, Camp, Amaravati 444602
7.	Amaravati	Boys Hostel, Sant Gadge Baba Amaravati University.	Mardi Road, Camp, Amaravati 444602
8.	Amaravati	Zoology Department Sant Gadge Baba Amaravati University.	Mardi Road, Camp, Amaravati 444602

Accordingly, detailed energy audit is required to be conducted in above Govt. Institutes. Based on energy audit report of these Institutes, project implementation work will be taken up by MEDA separately.

Therefore, considering the importance and urgency of the work, you are requested to submit the sealed quotation for the same latest by **2nd March, 2023 up to 03.00 pm** as per enclosed format as the mentioned scope of work. Kindly note that MEDA reserve the right to accept any or reject all the quotations without giving reason thereof.

Instructions for submission of quotation:

1. Quotation should be submitted including all applicable taxes and expenditure.
2. Quotation should be submitted to MEDA on or before **2nd March, 2023 up to 03.00 pm**. After due date & time no quotation will be entertained.
3. Quotation should be submitted in **sealed** envelope as per enclosed format along with photo copies of work order / work completion report in Government buildings / Govt. Institutes, information on numbers of manpower and energy auditors in the firm.
4. Work name should be written on right top corner of envelop.

MAHARASHTRA ENERGY DEVELOPMENT AGENCY

General Instructions:

1. Work should be completed strictly under the supervision of respective MEDA Divisional office.
2. Work should be carried out & completed within 15 working days from the date of issue of Work Order.
3. MEDA will not be responsible for any loss occurred during audit work.
4. For any disputes arising in this regard, decision of the Hon. Director General, MEDA will be final.
5. Co-ordination during the survey with local authorities is responsibility of Energy Auditor

Opening of sealed offers & finalization of firm/Agency:

Quotations will be opened in front of MEDA's authorities. Agency will be finalized based on following criteria;

- i) No. of manpower and energy auditors in the firm.
- ii) Previous work experience in conducting detailed energy audit of government building/Govt. Institutes.
- iii) Time taken by the firm to complete the previous MEDA's assigned work and detailed energy audit report

-Yours faithfully

General Manager (EC)

Encl: As per above.

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Format for submission of quotation for conducting Detailed Energy Audit Work in Govt. Institutes

Sr. No.	Particular	Scope of Work	No. of Man days	Rate per mandays in Rs. (Lumsum)	Total Cost in Rs.
1	Survey and Visit	Identification and collection of data for common electrical load (metered load) in the Govt. Institutes. Electrical loads such as type of lighting fixtures, fans, pumps, air conditioners, street lights within the premises of Govt. Institutes.			
2	Develop an audit checklist	Auditor should develop an energy audit checklist to assist in identifying the significant energy users at the site and their respective operating parameters			
3	Data Collection	<ol style="list-style-type: none"> 1. Conduct detailed energy audit for all existing electrical loads with segregation of Metered electrical loads. 2. To demonstrate improvements in energy performance, energy consumption baseline should be developed along with Energy Conservation Plan. 3. Suggest/recommend for energy efficient measures to be implemented in the Govt. Institutes for metered load only along with estimated energy saving potential due to implementation of proposed energy efficient measures and proposed estimated cost of each equipment/appliances as per as per Market Rate and prevailing PWD CSR. 4. Please note that no solar power project/solar power pack/solar water heaters. Please note that no solar power project/solar power pack/solar water heaters to be proposed under this scheme. 5. Identify the potential for electric cooking system or solar cooking system to replace the conventional fuel used for cooking systems in the canteens of Institutes. 			

4	Illumination (Indoor /outdoor Lighting)	Separate Study of street lighting, type of fixtures, lamps, Lux level, efficacy of lamps, fixtures etc. & to look for possibility for reducing energy usage, study of present system, load segregation, estimate of scope of saving, identify the most likely areas of attention. Identify immediate improvements/ savings. Also recommend the new lightings for the dark & necessary places.			
5	Recommendations for Any other Energy Conservation Measures	Auditor should suggest/recommend for any other Energy Conservation Measures to be adopted if any in the Govt. Institutes along with estimated energy saving potential.			
6	Other Expenses	Travelling, lodging/boarding & other expenses considering bus fare.			
7	Deliverables	<p>1. Preparation of draft report of Energy Audit which should include Introduction, Executive summary w.r.t metered electrical loads & proposed energy conservation measures for metered electrical loads, Energy usage & enlist the current energy conservation practices in the Govt. Institutes, Significant energy users, Recommendations and also Graphical interpretation of Energy Use.</p> <p>2. Auditor should submit soft copy of draft report of Energy Audit to MEDA.</p> <p>3. After discussion and confirmation from MEDA, submission of 2 sets of final Energy Audit Reports in hard and softcopy (e-mail to eee@mahaurja.com).</p>			
Estimated Cost in Rs. Per Govt. Institutes					
Cost in Rs. For 20 Govt. Institutes					
GST					
Total Cost (including GST)					