



Call for Tenders for consultancy assignments- Solar campus project for Pondicherry University Silver Jubilee complex

Background

Pondicherry central university was established by an Act of Parliament in October 1985. The main campus is located in Kalapet 10 km from the town of Puducherry in a serene and beautiful campus of 800 acres adjoining the scenic Bay of Bengal. The recently established Silver Jubilee complex covers an area of 44.53 Ha with a built up plinth area of 22,072 square meters.

Pondicherry university has already achieved several sustainability milestones- green campus initiative started with MSc/PhD students in 2005/2009; solar street lights, installation of solar water heaters in ladies and gents hostels for steam cooking, solar street lamps; free bi- cycles for campus use; campus environmental auditing; biogas plant using kitchen waste – feasibility studies completed. Ministry of New & Renewable Energy (MNRE), GOI, New Delhi has sanctioned the country's first solar campus project to Pondicherry University Silver Jubilee complex in March 2012 as per the guidelines laid down by the Ministry.

For the project, Pondicherry University proposes to engage a consultant for preparing a Detailed Project Report (DPR).

Starting Date: July, 1st 2012

Duration of Assignment: 7 months

The study is to be completed (with a report submitted) by **31st January 2013**, with no possibility for extension.

The purpose of this assignment is to arrive at:

1. Electricity/other types of energy (both renewable /non renewable)– current/future demand/supply scenario analysis (for 10 years) for various end uses – lighting, air conditioning, water heating, cooking etc.
2. Base line of energy use & GHG emissions (including carbon foot print)
3. Integrated Energy planning for sustainable development of the campus
4. Annual goals of savings in energy conservation through demand side management such as sustainable consumption & supply side measures based on renewable.
5. Selection of optimal least cost (on life cycle cost basis) mix of renewable energy technologies – time frame and budget allocation
6. Detailed action plan for achieving the set goals & anticipated GHG abatements , that will include awareness & training/capacity building programmes for the key stake holders on /off the campus using energy /environmental education for sustainability
7. Budget estimates and potential sources of funding from respective sources (both public and private) along with a Detailed Project Report (DPR).

Eligibility of the consultants

- Masters degree in the relevant field- Postgraduate /PhD qualifications in renewable energy would be an advantage.
- At least 3 years of relevant experience, including work on solar cities /campus projects.
- Strong analytical skills.
- Working experience on techno economic assessment of renewable energy technologies would be an advantage.
- Previous consultancy experience in related fields.

Submission

The application information is detailed below. In completing the application pack, applicants should make sure they have completed the following checklist.

CHECKLIST		
Key Information needed	Checklist	Remarks
1. Completed Application in the prescribed format for the solar campus project and expected consultancy fees		
2. CV/Resume of Lead Consultant, indicating educational qualifications, experience/expertise, projects etc.		
3. List of previous study reports the consultant has done along with a copy of the best report		
4. Email IDs and phone numbers of 2 Referees who can attest to your expertise/experience to execute this project		

Evaluation

The consultant will have to submit interim progress reports once every 3 months to validate progress of work.

Deliverables

A first draft of the interim report will be due two months after contract signature. The consultant will incorporate comments from the project advisory committee that will meet once every 3 months subsequently. The pre final version of the DPR, incorporating any final comments, will be due by **31st December 2012**.

If you have the required qualifications/ experience/expertise, you are invited to submit both the technical proposal and financial bid for the consultancy services in labeled separate covers to prepare a Detailed Project Report (DPR) for the Solar campus project for Pondicherry University Silver Jubilee complex as per the guidelines laid down by the Ministry of New & Renewable Energy (MNRE), New Delhi. The bidder should send these two sealed envelopes in one envelope with covering letter of the firm on its letter head and address it to **The Director (Research) Pondicherry University, Puducherry 605014** on or before **13th June at 3PM**. The technical bid should contain details of the similar work undertaken already by the concerned consultant and the contact details of the administrative head of the relevant Dept of the institution where such work was carried out.

The proposal (the first cover containing technical proposal only) will be opened on the same day (**13th June**) at the office of the Director (Research) at 4 PM, I floor, Main /administrative office Block, Pondicherry University in the presence of consultants who have submitted the bids or their authorized representatives. The short listed (75% weightage to technical and 25% weightage for

financial bids will be considered) bidders will be requested to give detailed presentation to the PAC on the overall services to be provided including action plan to implement the proposed activities and for any further clarification as required on **14th June by 2.30 PM** .

Interested consultants may obtain further information at the address below by email up to **11.6.2012** :

G. Poyyamoli, PhD., Associate Professor/Principal Investigator, Dept of Ecology & Environmental Sciences, Pondicherry University, Puducherry 605014 gpoyya9@gmail.com, 9994458960

R. Arun Prasath, PhD., Assistant Professor/Co- Principal Investigator, Madanjeet School of Green Energy Technologies, Center for Green Energy Technology, Pondicherry university , Puducherry 605014 raprasath@gmail.com, 9487769611

The TOR document and prescribed format for application can also be downloaded from the website- <http://www.pondiuni.edu.in/> (look for Tenders) for submission of tenders (both financial and technical bids) from **16.5.2012 up to 12.6.2012**

Further details of the document can be had from:

Director (Research)

Pondicherry University Puducherry 605014

Sbala_2002@yahoo.com, sbala.esc@pondiuni.edu.in

0413 2654557 (2.30 to 5.30 PM on all working days)

PU/Dir(Res)/Tender No: /12/Poyya/Arun/Ecol/GET/SC

**(signed) Director
(Research)
Pondicherry University**

Appendix

Prescribed format for preparing the technical proposal - Solar campus project, Pondicherry University Silver Jubilee complex

1. NAME OF THE AGENCY/CONTACT PERSON
2. MAILING ADDRESS
3. SCOPE OF WORK AND METHODOLOGY.
 - 3.1. Assessment Carbon Footprint.*
 - 3.2. Energy Audit.*
 - 3.3. Roadmap for Energy Efficiency intervention .*
 - 3.4. Roadmap for Renewable Energy intervention*
 - 3.5. Year wise Goal setting, actions plan Physical Target and Budget*
 - 3.6. Implementation Strategy.*
 - 3.7. Estimation of Greenhouse Gas Emission Reduction*
 - 3.8. Preparation of Detailed Project Report*
 - 3.8.1. Site Details and Solar Resource Assessment*
 - 3.8.2. System Description and Technical Specification*
 - 3.8.3. System schematic and layout diagram*
 - 3.8.4. Construction Schedule*
 - 3.8.5. Modus Operandi*
 - 3.8.6. Operation and Maintenance*
 - 3.8.7. Project Cost and Sharing of budget*
 - 3.8.8. Life Cycle Cost Benefit Analysis.*
 - 3.9. Training and Capacity Building*
4. PROJECT DELIVERABLES & TIMELINES
5. BUDGET & PAYMENT SCHEDULE (including expected consultancy fees)
6. PROFILES OF THE CONSULTANT & ORGANIZATION
7. BRIEF PROFILES OF THE PROJECT PERSONNEL
8. LIST OF CLIENTS
9. REFERENCES