

YOGI VEMANA UNIVERSITY
VEMANAPURAM, KADAPA-516003, A.P.

INVITATION FOR EXPRESSION OF INTEREST (EOI)
FOR THE ESTABLISHMENT OF 10-20 MW SOLAR POWER GENERATING STATION
IN THE YVU CAMPUS ON Build, Own, Operate and Transfer (BOOT) SYSTEM.

Yogi Vemana University invites expression of interest for the establishment of 10-20 MW Solar Power Generating Station in the campus on **BOOT** system. The detailed invitation for EOI including terms and conditions can be downloaded from university website **www.yogivemanauniversity.ac.in**. The complete EOI indicating firm's interest in taking up the work, with all relevant information as per the terms and conditions along with supporting documents shall reach this office on or before **18-02-2015** by Register/Speed post only.

REGISTRAR
YOGI VEMANA UNIVERSITY, KADAPA



Yogi Vemana University, Vemanapuram, Kadapa-516003, A.P

**NOTICE INVITING EXPRESSION OF INTEREST
FOR
DESIGN, ENGINEERING, SUPPLY, INSTALLATION,
TESTING, COMMISSIONING AND MAINTENANCE
(Under Build-Own-Operate-Transfer) method
OF 10-20 MWp SOLAR POWER PLANT
AT**

**Yogi Vemana University Campus, Vemanapuram,
Kadapa-516003, Andhra Pradesh.**

Start Date for Downloading EOI document : 02-02-2015

**Last date for submission of EOI with
Necessary Documents : 18-02-2015**

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SECTION – I

INTRODUCTION:

The Yogi Vemana University (YVU) intends to establish the 10-20 MW Solar Power Generating plant in the campus under Build Own Operate Transfer (**BOOT**) System and thus invites Expression of Interest (EOI) from the reputed firms for installation, commissioning, maintenance and supply of Electrical power to the Yogi Vemana University by installation of 10-20 MW Solar Generating Plant in the YVU Campus.

The Yogi Vemana University was established during 2006 on Pulivendula Road and 15 kms away from Kadapa town, Andhra Pradesh. The University is having 11KV, H.T supply connection from the SPDCL of A.P with 500 KVA, Contracted Maximum Demand (CMD). Now the YVU proposes to establish the Renewable Energy i.e. 10-20 MW Solar Power Generating project on **BOOT** Systems to meet the needs of the Electrical loads in the campus and also to surrounded villages with the following Scope. **The project will be executed on basis of BOOT (build – own – operate – transfer) method for a period of 10 years and entire product should carry a warranty of 25 years.** The university has sufficient land to allocate for the said project and the climatic conditions are highly suitable for execution of the project. Registrar, Yogi Vemana University, Vemanapuram, Kadapa-516003, Andhra Pradesh, reserves the right to extend the contract period after first ten years.

GENERAL / MISCELLANEOUS CLAUSES

- 1) The application form for Expression of Interest (EOI) is given in Annexure –I. Interested firms can submit the duly filled in application form along with all relevant supporting documents. The party should submit their background with details of experience in related projects.
- 2) The last date for receipt of EOI is mentioned under Section III.
- 3) The Applicant shall bear all the costs associated with the preparation and submission of its EOI and the YVU will in no case be responsible or liable for reimbursement of any cost to conclude the process.
- 4) At any time before the submission of EOI, YVU may for any reason whatsoever carry out amendments to this EOI documents at its own initiative or in response to a clarification requested by the service providers. The amendment will be made available in our website and will be binding on them. The University may at its discretion extend the deadline for the submission of proposals.
- 5) Applicants will come up with the best suggestions on application of latest technologies in the related fields and will offer solutions in integrating such technologies for reliable, efficient and economic operation of the solar grid connected power plant. Choice of latest technological trends with suitable analysis & justifications for application in the proposed project shall be furnished by each applicant.

- 6) All necessary works in setting up of project i.e., procurement and installation of system components like Solar PV Panels, Inverters, Charge Controllers, Control Panels, Field Junction Boxes and Mounting Structures etc. shall be done by party as per requirement.
- 7) **SELECTION PROCEDURE: The University will process EOI and only short listed firms will be called for technical presentation and again technically short listed firms would be called for offering of financial bids.**
- 8) The University reserves the right to accept or reject any application without assigning any reason thereof.
- 9) Applications that are incomplete in any respect or those that are not consistent with the requirements as specified in this document or those that do not adhere to formats, or considered non responsive are liable for rejection and no further correspondence will be entertained from such applicants.
- 10) Depending upon the response to the EOI, The Registrar, YVU reserves the right to go in For empanelment / short listing of the prospective applicants for seeking detailed bids.
- 11) The Applicant must be a reputed firm incorporated in India.

BROAD SCOPE OF ASSIGNMENT IN FINAL PACKAGE

(a) The broad scope of work for the package includes the following:

- i. Design & Engineering of the solar modules & arrays with associated system comprising of DC system ,cables & JB's, inverters, transformation to the required voltage for necessary connection to the nearest grid at suitable voltage level, switchgears along with adequate protection and monitoring facilities up to the grid connection point. Augmentation of the bus, in case required to be carried out at the grid connection point shall also be a part of the project.
- ii. Optimum design and engineering of suitable mounting structure as required for mounting the modules on the area with anti-corrosion feature so as to have minimum maintenance requirements during operational years of the plant.
- iii. Survey & route finalization of the transmission line for connection to the nearby substation feeder.
- iv. Supply of all the components including structures with necessary packaging, forwarding, transportation, loading, unloading and site-storage required for successful implementation of the project up to the grid-connection point.
- v. Erection/installation, of the solar PV plant along with associated system including transmission line and its termination at the suitable grid point.
- vi. All associated civil engineering works like:
 - 1) Site grading, filling, levelling, compaction as required, for 10-20 MWP Solar PV plant.
 - 2) Construction of foundation & mounting structures for SPV panels, fencing of SPV plant and construction of roads, if required and beautification of the sides.
 - 3) Construction of office cum control room.
 - 4) Arrangement for alternate permanent water supply for module washing shall be the responsibility of the service provider.
- vii. Integrated microprocessor based SCADA with required software & hardware for control & monitoring of SPV plant as per the best standards.
- viii. All associated electrical works required for interfacing at 11 KV line (i.e transformer, breakers, isolators, LA, HT switchgears, protection systems, cables, metering, earthing, etc,) as per proposed scheme duly approved.
- ix. Design, supply, erection, commissioning & testing of 11 KV line cabling & associated equipment for connecting into 11 KV switchyard as per technical specification.
- x. **The project will be executed on basis of BOOT (build–own–operate– transfer) method for a period of 10 years and entire product should carry a warranty of 25 years guaranteed efficiency and output not below 80%.**
- xi. **The design should be such that Solar PV plant should tolerate maximum vibration since the area is vulnerable to Vibration.**

SECTION – II

2.1 PRE QUALIFICATION REQUIREMENT FOR APPLICANTS IN THE EOI

The applicant shall meet the qualifying requirement as under and general criteria. The applicant / its collaborator, as applicable, should have adequate technical expertise in the area of structural design as per applicable codes and standards in solar/ power/ steel/ oil industries.

- i. The applicant should have designed, supplied, erected/supervised erection and commissioned/supervised commissioning of SPV-based grid connected power plants of cumulative installed capacity of 10-20 MW or above, out of which at least one plant should be of 1MWp or above.

OR

- ii. The Applicant shall be an EPC Contractor with capability of executing turnkey solution for engineering, procurement, supply, installation, testing and Commissioning of large scale grid connected solar PV-based power plants and having executed at least one project rated minimum 10-20 MWp which has been running successfully for a period of minimum one year as on the date of opening.

GENERAL CRITERIA

The applicant should give self-declaration to the effect that the applicant did not have any record of black listed/debarred /disqualified by any Govt. entity or any International Agency for non-delivery or non-compliance or Corrupt/ fraudulent practices.

SECTION – III

EOI SCHEDULE

3.1 Expression of Interest Details

1 Name of Assignment	Design, Engineering, Supply, Installation, Testing & Commissioning of 10-20 MWP Solar Power Plant at Yogi Vemana University campus, Vemanapuram, Kadapa-516003, A.P.
2 Method of Selection	Pre- Qualification Criteria

3.2 Important Dates

SI No	Particulars	Date & Time	Address :
1	Last Date for Submission of EOI	18-02-2015 by 2.00 PM	Bids to be submitted on or before the mentioned time and date at The Registrar, Yogi Vemana University, Vemanapuram, Kadapa-516003, A.P.
2	Opening of Pre Qualified Bids for technical presentation	21-02-2015 by 4.00 PM	Bids to be submitted on or before the mentioned time and date at The Registrar, Yogi Vemana University, Vemanapuram, Kadapa-516003, A.P.

INSTRUCTIONS TO APPLICANTS FOR FORMULATION AND SUBMISSION OF PROPOSALS.

- 1) The instruction mentioned should be read carefully by applicant before submitting the offer.
- 2) Only those applicants who meet the pre qualification criteria are eligible to Participate in the EOI process.
- 3) Authority may ask for clarification or further information to evaluate the expression of interest.
- 4) If any information sought in these documents is missing or not clearly specified by the vendor, it will be assumed that the organization is not in a position to supply the information and may be considered as unresponsive.
- 5) Please note that all the pages of EOI documents should be signed with date and the seal of the applicant should be affixed near the signature of the authorized signatories on all the pages.

6) EOI shall contain:

- i) The complete technical specification of 10-20 MW Solar Power Plant which includes
 - * Design details & layout arrangement of solar Modules and other Components.
 - * Module mounting structure
 - * Synchronizing equipment & scheme
 - * Control & protection scheme
 - * Scheme & layout of power distribution network

- * Integration of PV power with grid
- * Reactive power supplying capability of Inverter
- * Behaviour during system disturbance
- * Evacuation scheme & range of load power factor
- * Metering scheme
- * Communication interface & SCADA / updated technology

ii. BOQ list without prices.

iii. The applicant shall indicate the estimated solar energy generation per annum by the solar power plant proposed by them.

iv. The applicant shall also indicate the requirement of Auxiliary power to run the Plant. EOI shall also contain details on the competency of the applicant and also the EOI package with terms & condition of implementation of the proposed plant. In short, the EOI shall contain all the necessary documents to prove the technical competency and capability of the applicant for implementing the solar plant and the ability of the applicant for providing efficient service and support to the satisfaction of Authority.

- 7) The applicants are also advised to keep on visiting the websites for any Notification / Amendment / Addendum / Corrigendum in respect of this EOI. No such Notification / Amendment / Addendum / Corrigendum shall be published in newspapers.
- 8) Downloading of documents can be done from Yogi Vemana University website.
- 9) Yogi Vemana University shall not be responsible in any way for any delay/ difficulties/ inaccessibility of the downloading facility from the website for any reason whatsoever.
- 10) Yogi Vemana University reserves the right to reject any or all the tenders or to split up and award the tender to more than one tenderer without assigning any reason thereof.
- 11) In case of any discrepancies found between the downloaded EOI documents from the website and the master copy available in the website **www.yogivemanauniversity.ac.in** the latter shall prevail.
- 12) Applicants will be solely responsible for the correctness/genuineness of the downloaded EOI documents from the website. If the offer submitted through the downloaded EOI documents is incomplete, or with changed contents, the offer will summarily be rejected.
- 13) For any future correspondence applicants may send their e-mail to registraryvu@gmail.com.
- 14) No EOI document shall be entertained after the due date and time, under any circumstances.
- 15) The covering letter to be submitted by the applicant along with EOI should be as per format given in this document.
- 16) The decision regarding short listing /selection of solution on service provider shall lie with the authority and shall be final.
- 17) The General terms and Conditions, etc will be intimated to the short listed applicants as a part of EOI document.
- 18) Further clarification could be obtained from the office of The Registrar, Yogi Vemana University, Vemanapuram, Kadapa-516003, Andhra Pradesh.

APPLICATION FORM

- 1) Name of the Applicant
- 2) Full address (Registered Office)
- 3) Name of the contact person (mobile number with email ID)
- 4) Type of the organization (Public Sector/Limited/Private Limited/Partnership/Proprietary/ Society/Others)
- 5) Chief of the organization
- 6) Registration details (Enclose certificates).
- 7) PAN No (Enclose certificates), Income Tax returns/Assessment orders for the last 5 years.
- 8) Service Tax, EPF & VAT Registration (Enclose certificates),
- 9) Activities of the Company
- 10) Documents as mentioned in the pre-qualification requirement
- 11) List of clients
- 12) Turnover of the last 3 financial years
- 13) Total No. of employees
- 14) No. of Offices/Centers.
- 15) List of similar projects handled during the last 3/5 years (Name of the clients, contact person, address in Telephone No. , Title of the Project, Cost of the Project, Duration of the Project, Technology used, brief statement how their requirements are similar to those in this proposal, date of implementation/completion).
- 16) Project implementation/completion certificates from the Customers as being requested in this proposal.
- 17) Copy of Certifications (ISO or equivalent) if any.
- 18) Any other information the applicant wants to furnish – please mention the nature of information here and the corresponding Annex. No.

DECLARATION

I/we hereby declare that the above information is true to best of knowledge of my/our knowledge.

Signature with Name & Seal

Place:

Date:

CHECK LIST FOR SUBMISSION OF EXPRESSION OF INTEREST

Applicants should ensure that the following are submitted with documentary evidences, while submitting completed application forms:

- 1) Letter of submission of EOI (Annexure-III)
- 2) Details as per application format (Annexure I)
- 3) Copy of registration certificate.
- 4) Copy of the PAN Card.
- 5) Audited Accounts & Income Tax Returns/Assessment orders of last 5 years.
- 6) Copy of Service Tax Registration.
- 7) Copy of VAT Registration.
- 8) Copy of EPF Registration.
- 9) Documents as mentioned in the pre-qualification requirement.
- 10) ISO Certificate if applicable.
- 11) List of activities of the Applicant firm if applicable.
- 12) List of clients for supply (applicable for manufacturer firm).
- 13) List of clients for solar projects in India.
- 14) List of similar projects handled during last 3/5 years.
- 15) Detailed technical write-up of two projects of nearest capacity to the one under consideration (10-20 MWP) as executed by the applicant as the case may be, mentioning the technical details of each component used including PV modules.

LETTER FOR SUBMISSION OF EOI

To

**The Registrar,
Yogi Vemana University,
Vemanapuram, Kadapa-516003
Andhra Pradesh.**

Dear Sir,

Sub: EOI for Design, Engineering, supply, installation, testing & commissioning of 10-20 MWp Solar Power plant.

We express our interest to participate in the bidding process for 10-20 MWp solar power project and we hereby confirm the following:

- 1) The EOI application is being submitted by (Name of the bidding Company) for selection as the turnkey solution provider in accordance with the requirements stipulated in EOI document.
- 2) We have examined in detail and have understood and will abide by all the terms and conditions stipulated in the EOI documents issued by Yogi Vemana University. Our application is consistent with all the requirements stated in the EOI documents.
- 3) The information submitted in our application is complete, is strictly as per the requirements as stipulated in the EOI document, and is correct to the best of our knowledge and understanding. We shall be solely responsible for any errors or omission or misrepresentation in our bid.

Signature with Name & Seal

Place:

Date: