SOLAR ENERGY CORPORATION OF INDIA

(A GOVERNMENT OF INDIA ENTERPRISE)

INVITES EXPRESSION OF INTEREST (EOI)

FROM

SOFTWARE DEVELOPEMENT COMPANIES

FOR

DEVELOPMENT OF POWER TRADING SOFTWARE

EOI No: SECI/IT/PTS/1/2015

Dated: 12.09.2015

Telephone No: 011- 71989200
Fax No: 011 - 71989244

SECI website: www.seci.gov.in

Note: This document contains a total of 16 pages. No change in the document by the bidder is permissible

September-2015

SOLAR ENERGY CORPORATION OF INDIA

(A Government of India Enterprise)

INVITATION OF EXPRESSION OF INTEREST

EOI No: SECI/IT/PTS/1/2015   Date: 12.09.2015

Solar Energy Corporation of India (hereinafter called "SECI"), invites EOI from Software Developer Companies who have the capacity to develop Software for Power Trading through designing of comprehensive application. Firms having presence and experience within the country are highly encouraged to participate in the EOI for trading of power.

For the implementation of above mentioned work, interested parties should submit their EOI proposal along with all supporting documents complete in all aspect on or before 05.10.2015 up to 2.00 P.M. in the office of "SECI" in prescribed format.

Brief Scope of Work envisaged for development of power trading software is mentioned in the EOI documents.

EOI documents which include eligibility criteria etc., can be downloaded from SECI website www.seci.gov.in. Any amendment/corrigendum/Clarification with respect to this Bid shall be uploaded on SECI website only. The prospective Bidder should regularly follow up for any Amendment/Corrigendum/Clarification on the above website.

DISCLAMIER:

1. Though adequate care has been taken while preparing the EOI document, the prospective parties shall satisfy themselves that the document is complete in all respects. Intimation of any discrepancy shall be given to this office immediately.

2. Solar Energy Corporation of India (SECI) reserves the right to modify, amend or supplement this EOI document.

3. While this EOI document has been prepared in good faith, neither SECI nor their employees or advisors make any representation or warranty, express or implied, or accept any responsibility or liability, whatsoever, in respect of any statements or omissions herein, or the accuracy, completeness or reliability of information, and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this EOI document, even if any loss or damage is caused by any act or omission on their part.

Bid Information Sheet

Document Description	Invites Expression Of Interest (EOI) from Software Developer Companies for "Development of Power Trading Software"
EOI Document No.& Date	SECI/IT/PTS/1/2015 Dt: 12-09-2015
Last date & Time of Submission of Response to EOI Document	05-10-2015 (14:00 Hrs) at SECI office
Bid Opening (Techno-Commercial)	05-10-2015 (15:00 Hrs) at SECI office
Pre-Bid Meeting on EOI Document	21-09-2015 (11:00 Hrs) at SECI office
Processing fee of EOI Document (non-refundable)	₹ 15000 + Service Tax (14%)
Name, Designation, Address and other details (For Submission of Response to Tender Document)	Dy. Manager (IT) Solar Energy Corporation of India 1st Floor, D-3, A-Wing, District Centre, Religare Building, Saket, New Delhi-110017 Tel No. 011-71989200.

Important Note: Prospective Applicants/Bidders are requested to remain updated for any notices/amendments/clarifications etc. to the EOI Document through the websites www.seci.gov.in. No separate notifications will be issued for such notices/amendments/clarifications etc. in the print media or individually.

SECTION-I: INFORMATION & INSTRUCTIONS TO BIDDERS (ITB)

1.0 General Information:

Solar Energy Corporation of India (SECI), is a not-for-profit company under Section-8 of the Companies Act 2013, dedicated to Solar Energy sector. SECI is established under the administrative control of the Ministry of New and Renewable Energy, Government of India. Mandate of SECI allows wide ranging activities to be undertaken with an overall view to facilitate implementation of Jawaharlal Nehru National Solar Mission (JNNSM) and achieving the targets set therein. The Corporation has the objective of developing Solar Technologies and ensuring inclusive solar power development throughout India.

The overarching objective of the project is to develop and implement a Web Based Application to record and report scheduled solar power along with exact generation data from various remote locations for trading of solar power. Generation of invoice and reconciliation facility are also equipped with this application.

1.1 General Scope of Work:

SECI requires data feed into the system from various remote project locations and centralized monitoring along with Power Trading. The application should be compatible with existing software/hardware at SECI. Existing Infrastructure at SECI comprises of Windows based Server with SQL database server and Windows and Mac desktops

The system should facilitate collaboration so that relevant stakeholders of the project should be able to access and submit data to SECI as and when required. To achieve the requirements specified, the system is envisaged having the following features at minimum.

Functional Requirement:--

- There are two types of data one is estimated data for next day and other is plant (exact) generated data. Power developer should enter both data to application daily or any day interval subject to maximum of 1 month in a 96 time block.
- The application should provide different levels of access to identified stakeholders on role based access rights. Detailed project-specific information should be available only to authorized users.
- Application should contain below mentioned modules:

  o Role Base Access & Administration: This module will help SECI in creating Users, different types of roles and assign the permission based

on their roles. Users of the application will be Project Admin, Project Manager and Power Developer on other end and etc.

- o Project Management:
    - ▪ Project Manager will be able to add/delete/edit & provide access to power developers. Developers will be provided with login details through email id.
    - ▪ Project Manager will be able to update transmission losses for each State.
    - ▪ Project Manager will have option to add information like PPA/PSA Details, project name, financial details etc. related to projects.
    - ▪ Project Manager will be able to update master data for various projects.
- o Power Developer Module:
    - ▪ This module will help assigned power developers to manage their project details online via their provided credentials.
    - ▪ Provide option to enter both exact and estimated data
- o Invoice Management & Reconciliation:
    - ▪ Application will be able to post/park invoices produced by various stakeholders (Power Developers).
    - ▪ Will able to generate consolidated invoices from posted invoices.
    - ▪ Facility of monthly/quarterly reconciliation against stakeholder or state basis.
    - ▪ Applicability of Surcharge after due date of payment.
- o E-mail/SMS Facility:
    - ▪ Application will be able to send Email/SMS.
    - ▪ Facility to create Templates for Email-Header, Body and Footer for various purposes with company logo.
- o Report Generation -This module will help stakeholders to view different reports such as Energy Generation Reports or Trade Reports based on suggested filters by client. Reports will be pertain to:
    - ▪ Stakeholder wise Report
    - ▪ State/Location wise Report
    - ▪ Project wise Report

- Application automatically apply transmission losses to the data which is updated by project manager on monthly basis for each state.
- The application should enable remote data entry and reporting.
- The application should enable stakeholders to upload data from Excel files to the SQL database (Migration Workbench), and to import/export data into other formats, including but not limited to Excel and CSV format.
- Application should have search functionality to query for content by keywords.
- It should be capable of generating general and customized reports in multiple formats.
- It should have Issue tracking facility to track and monitor the issues reported by various stakeholders.
- It should have a Dash board for SECI with the logo of SECI on each pages.

- It should generate alerts and reminders for timely data entry and payment etc. It should be able to integrate with SMS/Email server to send the alerts/reminders by SMS/email.

General requirements:--

- Development of aesthetic user interface to ensure professional look and feel for the Application as per the relevant guidelines.
- It should be capable of parallel operation over multiple systems simultaneously.
- Content Structure: The website should have level content structure (for both Hindi and English).Visitors would be able to view the content with ease without any requirement of font download.
- Security of website. Work should be done based on cyber security guidelines of Government of India with Security Audit from cert-in empanelled vendor. Portal should be designed in line with GIGW guidelines.
- Passwords should be stored in encrypted format. After 5 consecutive wrong attempts the password should be locked and new password would be sent by administrator to the registered email.
- Website should be accessible on all platforms and be compatible with popular browsers such as IE, Chrome, Firefox, Safari etc.
- Online Administration: Secure and password protected application administration is handled online via a current web browser
- Audit Trail: Administrators have access to logs in the backend where they can view changes that have been made to the database.
- Scheduler for auto archival and backup of application and database to a different machine which should be capable of coming online by simply firing a script button in event of downtime of primary server.
- It should be user-friendly and easy-to-operate.
- High availability feature in order to minimize downtime.
- The Application should be compatible with the existing systems/server installed at SECI/MNRE
- Onsite Training: Onsite training of 1 week to team officials to train them on the overall workflow of the developed solution and backend administration module.
- One resident software engineer who is well versed with the software will be placed at SECI office for 6 months after Go-Live for support and hand-holding.
- One year technical maintenance & up gradation support: One-year technical support post Go-Live to address and fix any technical problems within the existing system.

- One year AMC after 1st year technical maintenance support: support to address and fix any technical problems within the running system.
- Support will be provided through email, telephone, remote login or visit to SECI office if the situation so demands. The scope of technical support includes rectification of errors within the already developed solution and/or transferring solution from one server to another server.
- It should be scale-able and secure application running on top of adequately sized IT infrastructure.

Deliverables

1. Delivery of Application: The Software developer shall develop and make available the application to SECI.
2. Software Requirement Specification Document
3. Prototype of the solution
4. Source code in CD/DVD
5. Testing report with security audit report
6. The software developer shall provide free of cost onsite training to all users of the application.
7. The Software developer shall provide technical and user manuals.

Milestones (Provide a project implementation plan indicating time required)

Milestone		Time Period (from Contract signing)
Task	**Deliverable**	
Define with SECI functionalities of the system. Evaluate the current architecture of the database and amend it if needed after consultation with SECI.	Catalogue of system functionalities. Assessment of the database structure and proposed new structure for validation by SECI	
Develop and validate the application user interface, functions, menus, dialog boxes and forms in consultation with SECI.	User interface with full set of functions, menus, dialog boxes and forms	
Testing and Security auditing	Testing report with security audit report	
End User Training	End User Training	
Acceptance and Go-Live	Completion Certificate	
Total Development Time		**4 months**
Post Go-Live support	Post Go-Live support for handholding and bug removal	6 months (after Go-Live)
Technical maintenance support	Technical maintenance support	12 months (after Post Go-Live support)

1.2. Eligibility Criteria

1. The Bidder should be a company registered under the Indian Companies Act 1956/2013 or a firm registered in India.
2. The Bidder must be a registered in India and should have completed at least 3 years of operation in the field of web application/ software development.
3. The Bidder must have a valid website.

1.3. Experience

The bidder should have successfully executed at least one contract of Development of Power Trading Software in India which should be successfully operational at client side as on 1-Sep-2015.

1.4. Financial Capability

Turn over should be minimum 20 lakhs for either FY2014-15 or average of three financial years FY 2012-13, 2013-14 and 2014-15. In case the audited annual accounts for the year 2014-15 are not available with the bidder, turnover shall be considered for the FY2013-14 or average of three financial years FY 2011-12, 2012-13 and 2013-14.

1.5. Cost of EOI Submission:

The Bidder shall bear all costs associated with the preparation and submission of its EOI, and the SECI, will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the EOI process.

1.6. Clarifications

a. A prospective Bidder requiring any clarification on the EOI documents may notify SECI in writing/FAX/Email at the SECI's mailing address indicated in the cover page. SECI however reserve the right not to respond against the same. If SECI choses to respond it will be informed by uploading on SECI website (**www.seci.gov.in**). The Bidder should remain updated on the website for any amendments/ corrigendum/ clarifications.

b. SECI is not under any obligation to entertain/ respond to suggestions made or to incorporate modifications sought for.

1.7.   Amendment of EOI Documents

1. At any time prior to the deadline for submission of EOI, the SECI may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the EOI document by issuing clarification(s) and/or amendment(s).

2. SECI will not bear any responsibility or liability arising out of non-receipt of the information regarding Amendments in time or otherwise. Bidders must remain updated with the websites for any such amendment before submitting their EOI.

3. All the notices related to this Bid which are required to be publicized shall be uploaded on **www.seci.gov.in** and bidders are required to keep themselves updated on the same.

1.8.   Contents of the EOI Document

1. EOI procedures and other trading contract terms are prescribed in the EOI documents. EOI document includes:

   a.   Information & Instruction to Bidders (ITB)
   b.   Formats -1 to Formats -3

2. The Bidder is expected to examine all instructions, forms, terms, and conditions in the EOI document. Failure to furnish any information as required in the EOI document or submission of an EOI not substantially responsive to the EOI documents in every respect will be at the participant's risk and may result in rejection of its EOI application.

1.9.   Documents Constituting the EOI in the Envelope -1

1. The EOI prepared by the Bidder shall comprise the following components :
   1. Covering Letter as per prescribed Format-1.
   2. Brief profile of the Company or brochure.
   3. Authorization certificate on behalf of the signatory of EOI on company letter head.
   4. Copy of Certification of Incorporation.
   5. Self-attested copies of work order and project completion certificates issued by clients for similar works/projects during last 3 years.
   6. Annual accounts for all the years in support of financial capability as per clause 1.4 along with a certificate from charted accountant.
   7. Detail Software and Hardware requirements at the end user for the mentioned work.
   8. Details on Service Level Agreement and the cost involved on it.
   9. The total required duration for software implementation and the project plan for the same if deviate from mentioned under scope of work.
   10. Format-2 & Format-3 as enclosed in this EOI.
   11. If any bidder have any suggestion or feedback related to scope of work, bidder will submit the related documents along with the EOI.

Note:

At the time of EOI opening above documents should be enclosed in the Envelope-1. EOI will be considered as non-responsive if submission required under clause 1.9 are not submitted

1.10. Sealing and Marking of EOI documents

EOI shall be prepared and sealed in the following manner:

a. There shall be Cover Envelope **superscribed as Envelope-2**, which shall contain one smaller envelope superscribed as **" (Envelope-1)"**

b. The **"Envelope-1"** shall contain the following documents and **shall be super scribed with EOI No __ and date along with "Envelope-1".**

    i. Covering letter, Authorization certificate, Signed and stamped Copy of EOI Documents including amendments & clarifications of any by the Authorised signatory on each page.

    ii. All documents in Envelope-1 should be spirally bounded and flagged or separated by separators.

c. The Cover envelope (**Envelope-2)** shall be superscribed
    i. EOI No and Date
    ii. Date of EOI Opening: **05.10.2015 (3:00 PM)**
    iii. Not to be opened before 3:00 PM on 05.10.2015
    iv. Addressed to the SECI at the following address:

<div align="center">

Dy. Manager (IT)
Solar Energy Corporation of India
D-3, A Wing, 1st Floor,
Religare Building, District Centre,
Saket, New Delhi-110 017

</div>

d. All the envelopes shall be sealed properly & shall indicate the Name & Address of the Bidder.
e. Email, Telex, cable or facsimile EOI's will be rejected.
f. The EOI must be complete in all aspect and should contain requisite documents as required in the EOI document.

1.11. Deadline for Submission of EOI documents

a. EOI documents must be received by the SECI at the address mentioned below:
        Dy. Manager (IT)
        Solar Energy Corporation of India
        D-3, A Wing, 1st Floor,
        Religare Building, District Centre,
        Saket, New Delhi-110 017

No later than **05.10.2015 at 2.00 PM**. In the event of the specified date for the submission of EOI being declared a holiday for the SECI, the EOI will be received up-to the appointed time on the next working day.

b. The SECI may, at its discretion, extend this deadline for submission of EOI by amending the EOI documents. Such information, if any, will be informed in the SECI website.

1.12. Late Bids

Any Application received by the SECI after the deadline for submission of EOI prescribed by the SECI, pursuant to Clause 1.9 above, will be rejected and/or returned unopened to the Bidder.

1.13. SECI's Right to Accept Any application and to Reject any or All applications submitted against the response to this EOI

The SECI reserves the right to accept or reject any application, and to annul the EOI invitation process at any time at its sole discretion for whatsoever reasons and without incurring any liability whatsoever to any of the Bidder for any cost expense loss etc.

SECI reserves the rights to invite limited tender amongst the shortlisted applicants/bidders of this EOI. Further, terms & conditions of bidding shall be mentioned in the limited tender only.

1.14. Correspondence for seeking clarifications

Bidder requiring any clarification of the EOI documents may contact in writing or by FAX /E-Mail to the following Persons:

Name	Contact Number	Phone No.	Email id
Sh. Deepak Mittal (IT)	7840070784	Solar Energy Corporation of India (SECI), Telephone: 011-71989200	deepak.mittal@seci.gov.in
Sh. Shibasish Das (PS)	7838032484		shibasish@seci.gov.in
Sh. Avnish Parashar (C)	9899850259		contracts@seci.gov.in

Covering Letter

(*To be submitted by the party on the Company's Letter Head*)

Dy. Manager (IT)
SOLAR ENERGY CORPORATION OF INDIA (SECI)
1st Floor, D-3, A Wing, Religare Building
District Centre, Saket
New Delhi - 110017

(Bidder to Provide Date and reference)

Dear Sir,

Sub: **Expression of Interest (E.O.I) from Software Developer Companies to participate in the Bid for Development of Power Trading Software**

We, the undersigned, express our interest for the subject EOI and declare the following:

(a) We are duly authorized to represent and act on behalf of _____ (name of the company) and an authorization certificate to this effect is enclosed).

(b) We have examined and have no reservations to the EOI document including Amendment No(s) & Clarification No(s) _____ (if any).

(c) With reference to your invitation for EOI dated__/__/__, we are furnishing herewith all the required details as per the prescribed formats.

(d) SECI and /or its authorized representatives are hereby authorized to conduct any inquiries or investigations to verify the statements, documents and information submitted in connection with this application, and to seek clarifications from our bankers and clients. This letter of Application will also serve as authorization for any individual or authorized representative of any institution referred to in the supporting information, to provide such information deemed necessary and as requested by SECI.

(e) SECI and /or its authorized representatives may contact the following nodal persons of the company for further information on any aspects of the application:

Contact Person			
Name and Designation	Address for Communication	Telephone No	Email ID

(f) This application is made in the full understanding that:

    1. Through this EOI, SECI intends to invite bids from Software Developer Companies to participate in the Bid for Development of Power Trading Software.

    2. EOI process will be subject to verification of all information submitted, at the discretion of SECI.

    3. SECI reserves the right to reject or accept any or all applications, cancel the EOI process without any obligation to inform the Bidder about the grounds of same.

(g) The undersigned declare that the statements made and the information provided in the duly completed application are complete, true and correct to the best of my knowledge & belief.

Name   **:**

In the Capacity of **:**
(Designation)

 Signed
Duly authorized to sign the application for and on behalf of:

Date:

Company Profile and Organization Structure

Name of the Company:

Registered Address:

Contact Person & Designation:

Annual Turn Over:

Postal address for communication:

Telephone No.:

Fax No.:

Mobile No.:

E-mail address:

Documents regarding Certificate of Incorporation is enclosed

Signature: _____

Name: _____

Designation: _____

Company Seal: _____

Details of the suggestions

Sr No	Title	Description	Remarks	References
1.				
2.				
3.				
4.				
5.				
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