



# **SOLAR ENERGY CORPORATION OF INDIA LIMITED**

**(A GOVERNMENT OF INDIA ENTERPRISE)**

**INVITES EXPRESSION OF INTEREST (EOI)**

**FOR**

**DESIGN, DEVELOPMENT, HOSTING AND  
MAINTENANCE OF MOBILE APPLICATION FOR GRID  
CONNECTED SOLAR PROJECTS**

**EOI No: SECI/IT/62/I/2016**

**Dated: 10-03-2016**

**Telephone No: 011- 71989200**

**Fax No: 011 - 71989244**

**SECI website: [www.seci.gov.in](http://www.seci.gov.in)**



## **SOLAR ENERGY CORPORATION OF INDIA LIMITED**

(A Government of India Enterprise)

### **INVITATION OF EXPRESSION OF INTEREST (EOI)**

EOI No: SECI/IT/62/I/2016

Date: 10-03-2016

Solar Energy Corporation of India Limited (hereinafter called “SECI”), invites Expression of Interest (EOI) from Software Developer Companies who have the capacity to develop mobile application for Grid Connected Solar Projects through designing of comprehensive application. Firms having presence and experience within the country are highly encouraged to participate in the EOI.

For the implementation of above mentioned work, interested parties should submit their detail EOI proposal along with all supporting documents complete in all aspect on or before 21.03.2016 up to 2.00 PM in the office of “SECI” in prescribed format.

EOI documents which include eligibility criteria etc., can be downloaded from SECI website [www.seci.gov.in](http://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.

**DISCLAIMER:**

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 Limited (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**

|  |   |
|--|---|
| <b>Document Description</b>  | Invites Expression Of Interest (EOI) for “Design, Development, Hosting and Maintenance of Mobile Application for Grid Connected Solar Projects”   |
| <b>EOI Document No.&amp; Date</b>  | SECI/IT/62/I/2016      Dt: 10-03-2016   |
| <b>Last date &amp; Time of Submission of Response to EOI Document</b>  | 21-03-2016 (14:00 Hrs) at SECI office   |
| <b>Bid Opening (Techno-Commercial)</b>   | 21-03-2016 (15:00 Hrs) at SECI office   |
| <b>Processing fee of EOI Document (non-refundable)</b>   | ₹ 5000 + Service Tax (@14.5%) to be submitted in the form of DD/Pay Order along with the response to EOI Document in favour of “Solar Energy Corporation of India”, payable at New Delhi        |
| <b>Designation, Address and other details (For Submission of Response to EOI)</b>  | Sr. Manager(IT)/Dy. Manager(IT)<br>Solar Energy Corporation of India Limited<br>1st Floor, D-3, A-Wing, District Centre,<br>Religare Building, Saket, New Delhi-110017<br>Tel No. 011-71989200. |
| <b><u>Important Note:</u></b> Prospective Applicants/Prospective bidders are requested to remain updated for any notices/amendments/clarifications etc. to the EOI Document through the websites <a href="http://www.seci.gov.in">www.seci.gov.in</a> . No separate notifications will be issued for such notices/amendments/clarifications etc. in the print media or individually. |   |

## **INFORMATION & INSTRUCTIONS TO PROSPECTIVE BIDDERS (ITB)**

### **1.0 General Information:**

Solar Energy Corporation of India Limited (SECI), is a company under Section-3 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 purpose of developing this mobile application would be to provide a comprehensive and consolidated view of the parameters in form of numbers, graphs, tables etc of parameters as reported by various power developers located pan India. The app will also act as a bridge to pass on important information from SECI to public and register their feedback and queries.

For the above requirement, the supplier is responsible for overall application architecture and development including concept, design, testing, installation & training. The application is proposed to be a mobile based app developed for iOS and Android platform. It is envisioned that the proposed solution would be highly effective due to the inherent cut down in reporting time and better quality of reports. The data will be fetched from predefined list in central database and all the data should be directly updated to the central database.

### **1.1 Scope of Work:**

The following tabs will be on main screen:

1. Splash Screen
2. Welcome Note
3. Schemes
4. State selection

Following are the selectable tabs – Schemes and States

Under the respective schemes (e.g. Solar Park, Canal Bank, Large Scale etc.), progress will be reported for all the states covered with following input parameters. State selection tab will prompt the user for choice of state to report the data pertaining to progress under the defined scheme for below mentioned input parameters related to that particular state

1. Capacity Allocation
2. Power Developer with awarded capacity
3. Location of projects
4. Date of project award
5. Date of project commissioning
6. Eligible VGF amount
7. FAQs
8. Feedback

### Data source - Hosting Server & Database

Creation of digital database of parameters and MIS generation & Graphical representation as per the requirement of projects. The database platform and application server should be hosted on cloud server for a highly secure and fully managed service. Database should be designed with business connector to populate the same from SECI SQL Server and should also permit secure logins for SECI solar team to update the mobile application database as and when required. Database and web server should be Load balanced to incorporate thousand+ users in parallel.

### Application Development Activities envisaged

- i. System Analysis and design
- ii. Creating app UI
- iii. Creating a database
- iv. Creation of APIs for connections
- v. Cloud hosting
- vi. Connection of the UI with database
- vii. Testing the app
- viii. Publishing the app for roll out.

### Mobile Platform Requirement

| Sl. No. | Platform Support (OS) | OS Version                               | Display Support  |
|---------|-----------------------|--|--|
| 1.      | iOS                   | 7.0 and Above (latest Version available) | (480 x 320) and above<br>iPhone, iPhone Retina ,<br>iPad & iPad Retina |
| 2.      | Android               | 2.3 and Above (latest Version available) | (426 x 320 dp) and above<br>For android phones and<br>tabs             |

### User Interface Requirements

1. All icons must be crisp, clean, and distinguishable and should be as per guidelines of mobile application platform.
2. All buttons and objects must be reactive to touch and work as intended.
3. All functions must stay within the mobile platform boundaries.
4. All data must be easily viewable on different Mobile platform matrix given above.
5. English, Hindi will be the default language/ bi-lingual
6. The design/User Interface of the mobile application should be flexible enough for multiple themes/skins
7. Drill down mechanism from National, State up to project level for stakeholders using maps also.
8. Free downloads from Google play store & itunes store.
9. Data representation through graphs and bar charts etc.

### Technology Requirements and Deliverables

1. Mobile App development should be in Native languages, responsive, dynamic, online and robust mobile application which is to be supported on smart mobile phones and tablets with o/s such as Android and iOS including future versions of the mentioned O/S.

2. Vendor will setup and deploy CMS application and Database to cloud server in India and also provide an interface to existing SQL server database at SECIL for populating cloud database.
3. Vendor has to ensure the development of mobile application as per guidelines issued by Application stores. For ex: Google play, iTunes etc.
4. The test plans, test cases and results for each of the phases will be shared by vendor with SECI.
5. Vendor has to share the Design Documents based on the SECI Requirement document for SECI Review & Sign-off.
6. User Manual, Admin Manual, Test Cases, Test Plan and QA Results for User Acceptance testing.
7. Application Code, Web API's to be handed over to SECIL
8. Deployment document to be provided

### Training

For the effective uses of the supplied software/application licenses & their functionalities, the selected vendor must compulsorily provide classroom training for SECI officials.

Following training needs are to be provided by Vendor as part of the scope:

- Content Management Training
- Deployment & Hosting Training
- Application Submission Training

### Support

SECI requires application, billing and account support be available from the vendor preferably in Delhi/NCR in India. Bidder must be able to assign an account representative with support specifically to SECI and handle account management & technical support issues.

Minimum support period along with hosting is two years after SECI's acceptance of deliverables.

### Intellectual Property Rights

The Intellectual Property Rights of the application will rest with SECI. The vendor will provide the source code of the application to SECI at the time of sign-off

### Milestones with Duration

Total duration of the project is six weeks and two years technical maintenance and up gradation support post Go-Live. Project milestones are as under:

- Milestone – 1: Requirement gathering and SRS document – 1 weeks after LOA
- Milestone – 2: Software Development – 3 weeks after Milestone 1
- Milestone – 3: Hosting, Testing and Security Audit – 1 weeks after Milestone 2
- Milestone – 4: Training & Mobile App publishing – 1 week after Milestone 3

## 1.2. Eligibility Criteria

1. The Prospective bidder should be a company registered under the Indian Companies Act 1956/2013.
2. The Prospective bidder should have completed minimum one year of operation in the field of mobile applications development.
3. The Prospective bidder must have a valid website.

## 1.3. Experience

The bidder should have successfully executed **at least two projects** of similar nature (**Design, Development and Maintenance of Mobile Application**) in the past two years as on date of bid submission out of which at least one project should be for a Govt. Ministry or Department/Public Sector company/Government autonomous body in India.

## 1.4. Financial Capability

Turn over should be minimum 15 lakhs for either FY2014-15 or average of two financial years FY 2013-14 and 2014-15.

## 1.5. Cost of EOI Submission:

The Prospective 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 chooses to respond it will be informed by uploading on SECI website ([www.seci.gov.in](http://www.seci.gov.in)). The Prospective 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

- c. 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).
- d. SECI will not bear any responsibility or liability arising out of non-receipt of the information regarding Amendments in time or otherwise. Prospective bidders must remain updated with the websites for any such amendment before submitting their EOI.
- e. All the notices related to this Bid which are required to be publicized shall be uploaded on **www.seci.gov.in** and prospective bidders are required to keep themselves updated on the same.



## 1.8. Contents of the EOI Document

1. EOI document includes:
  - a. Information & Instruction to Prospective Bidders (ITB)
  - b. Formats -1 to Formats -5
2. The Prospective 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 Prospective bidder shall comprise the following components:
2. Covering Letter as per prescribed Format-1.
3. Brief profile of the Company or brochure.
4. Authorization certificate on behalf of the signatory of EOI on company letter head.
5. Copy of Certification of Incorporation.
6. Self-attested copies of work order and project execution certificate in support of experience as mentioned at clause 1.3.
7. Contact details of client where project is successfully deployed and operational.
8. Annual accounts for all the years in support of financial capability as per clause 1.4 along with a certificate from chartered accountant.
9. The total required duration for system development and implementation and the project plan for the same.
10. Budgetary for the complete scope of work (mentioned under para 1.1) in format – 4 as enclosed in this EOI.
11. Format-2 as enclosed in this EOI.
12. If any prospective bidder have any suggestion or feedback related to scope of work, prospective bidder will submit the same in Format-3 as enclosed in this EOI.
13. Format – 5 as enclosed in this EOI (if MSME registered).

### **Note:**

**At the time of EOI opening above documents should be enclosed in the Envelope. 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

1. EOI shall be prepared and sealed in the following manner:
2. The envelope shall contain all documents as defined in Clause 1.9 and shall be super scribed as “**Design, Development, Hosting and Maintenance of Mobile Application for Grid Connected Solar Projects**” with **EOI Number and Date of EOI opening 21-03-2016 (3:00PM)**.
  - a. The envelope shall be addressed to the SECI at the below mentioned address:

**Sr. Manager (IT)/Dy. Manager (IT)  
Solar Energy Corporation of India Limited**

**D-3, A Wing, 1st Floor,  
Religare Building, District Centre,  
Saket, New Delhi-110 017**

- b. Envelope shall be sealed properly & shall indicate the Name & Address of the Prospective Bidder.
- c. Email, Telex, cable or facsimile EOI's will be rejected.
- d. 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:

**Solar Energy Corporation of India Limited  
D-3, A Wing, 1st Floor,  
Religare Building, District Centre,  
Saket, New Delhi-110 017**

No later than **21.03.2016 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 Clauses above, will be rejected and/or returned unopened to the Prospective 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 Prospective Bidder for any cost expense loss etc.

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

#### **1.14. Correspondence for seeking clarifications**

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

| <b>Name</b>                          | <b>Contact Details</b>                                       | <b>Email id</b>  |
|--------------------------------------|--|--|
| Sh. Deepak Mittal<br>Dy. Manger (IT) | Solar Energy Corporation of<br>India Limited<br>011-71989200 | <a href="mailto:deepak.mittal@seci.gov.in">deepak.mittal@seci.gov.in</a> |

### **1.15. Exemption from Processing Fee**

Prospective bidders who wish to seek exemption from processing fee for participation in this EOI on the ground of MSME registration are required to furnish self-attested copy of MSME registration and an undertaking on company letter head as per Format – 5 as enclosed in this EOI. Non furnishing of same shall render prospective bidder's response ineligible for further consideration.

**Format-1**

**Covering Letter**

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

**Solar Energy Corporation of India Limited (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) for Design, Development, Hosting and Maintenance of Mobile Application for Grid Connected Solar Projects**

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 intending prospective bidders for Design, Development, Hosting and Maintenance of Mobile Application for Grid Connected Solar Projects.

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 Prospective 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: \_\_\_\_\_

**Format-3**

**Details of the suggestions**

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

**Format-4****Budgetary Quote**

**Subject: - Response to EOI Document No----- Dated-----for Design, Development, Hosting and Maintenance of Mobile Application for Grid Connected Solar Project.**

| S. No.   | Description   | Amount in INR (in figure) | Amount in INR (in words) |
|--|---|---------------------------|--------------------------|
| 1  | Activities covered under Project Milestone – 1 to Milestone – 4                                     |                           |                          |
|  | Service Tax if any  |                           |                          |
|  | VAT if any  |                           |                          |
| <b>Sub Total (A)</b>   |   |                           |                          |
| S. No.   | Description   | Amount in INR (in figure) | Amount in INR (in words) |
| 1  | Total charges for 2 years technical maintenance and up gradation support post Go-Live (Milestone-4) |                           |                          |
|  | Service Tax if any  |                           |                          |
|  | VAT if any  |                           |                          |
| 2  | Hosting charges during support  |                           |                          |
|  | Service Tax if any  |                           |                          |
|  | VAT if any  |                           |                          |
| <b>Sub Total (B)</b>   |   |                           |                          |
| <b>Total Contract Price= (Sub Total (A) + Sub Total (B))</b> |   |                           |                          |

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Company Seal: \_\_\_\_\_



**Undertaking from the Prospective bidding Company on their Letter Head**

Name:  
Full Address:  
Telephone No.:  
E-mail address:  
Fax/No.:  
To,  
Solar Energy Corporation of India Limited (SECI)  
D-3, Wing-A, First Floor, Religare Building  
Saket, New Delhi-110017

Dear Sir,

We refer to the EOI No.....dated.....for “Design, Development, Hosting and Maintenance of Grid Connected Solar Projects”.

We have carefully read and examined in detail the EOI, including its amendments and clarifications as available on SECI website ([www.seci.gov.in](http://www.seci.gov.in)).

We confirm that M/s..... (Insert name of Bidding Company) has fulfilled all the requirements of MSME Act and as per the acknowledgement/certificate of MSME provided by ..... (Insert name of Authority who has provided the MSME Certificate), we are eligible for Design, Development, Hosting and Maintenance of Mobile Application for Grid Connected Solar Projects for which the proposal has been submitted by us in pursuance to the SECI's EOI No.....dated.....

Further, we are complying and will continue to comply all terms and conditions of acknowledgement/certificate of MSME until any further orders from the MSME authority. Any change in the acknowledgement/certificate of MSME, submitted to SECI, shall be immediately apprised to SECI for their any further decision in this regard.

Further, we are also eligible for the benefits provided under MSME Act, 2006 and any further order issued by Govt. of India in this regard prior to last date of bid submission for the aforementioned EOI.

In case any information provided/documents submitted or anything material or otherwise is found incorrect w.r.t above undertaking, SECI shall have the right to reject the submitted proposal. In addition to above, we (including our affiliate/parent/assigns) may also be debarred by SECI to participate in any future tender.

**Signature of Managing Director/Authorised signatory  
(With company Stamp)**