

Ref: SECI/SD/EOI(FSPV)/17-18

Date: 18-12-2017

Expression of Interest (EOI) for development of about 10,000 MW
Floating Solar PV (FSPV) Projects on
Build, Own & Operate basis

SECI intends to invite Expression of Interest (EOI) from the prospective floating Solar PV Plant Developers (FSPDs) for setting up of 10,000 MW of Floating Solar PV (FSPV) plant capacity in phased manner in the country in next three years. FSPDs selected through tender to be floated by SECI based on inputs received from the EOI, shall be given assured off-take of solar power generated from the projects through long term Power Purchase Agreement (PPA). The details of EOI is as follows:

1. About SECI:

SECI, under the administrative control of Ministry of New and Renewable Energy (MNRE) is working towards creation of a capacity 100 GW of Solar power plant by 2022. Currently, it is the implementing agency for installation of Solar projects under NSM Phase II. It has so far successfully implemented 750 MW-VGF scheme and is currently implementing 2000 MW and 5000 MW VGF schemes. SECI has also been designated as the implementing agency / scheme manager for various other solar schemes such as Rooftop Solar PV Program, Solar Parks, Ultra Mega Solar Power Projects, Solarization of Indo-Pak Border etc. SECI is also providing project management consultancy services to various government and non-government organizations for setting up of Solar Power Projects.

2. Background:

In 2009, Government of India has launched National Solar Mission with target of development of 20,000 MW Solar capacity which was subsequently scaled up to 100,000 MW by 2022. As Solar PV power plant is land intensive and in many States, there are physical and legal hurdles to aggregate the land for such projects, it is proposed to utilize the large water spread area available in major reservoirs for installing Solar PV power plants already certain technologies have been developed in this regard and a few pilots have been installed in India and elsewhere. Since, India is endowed with large numbers of water bodies and reservoirs which can be utilized for the installation of floating Solar PV (FSPV) Project, it

is proposed to promote FSPVs to bypass the land constraint and to explore one more alternative for promoting solar power.

3. Objective of the EOI:

SECI in line with national objectives is committed to rapidly scale up utilization of solar power generation in the Country. Accordingly, it has been envisaged to develop FSPV Projects of different sizes with a cumulative capacity of 10,000 MW on pan- India basis in next three (3) years. SECI through this EOI, intends to collect information about feasibility of FSPV Projects and prospective developers in the market to enable SECI in formulation and calling of bids for the selection of FSPV Developers (FSPD) on Build, Own and Operate Basis.

4. Implementation Model:

SECI in association / coordination with various State Owned Agencies/ Autonomous Bodies shall identify different sites (i.e. water bodies & reservoirs) for the development of FSPV Projects. For the identified sites, SECI shall invite through open tenders for the selection of Developer(s) for the development of FSPV Projects on Build, Own and Operate basis. The site for the development of FSPV Project shall be allocated to the FSPV Developer(s) (FSPDs) selected through appropriate arrangement. The FSPV Developer(s) (FSPDs) selected shall be required to design, construct & erect, the project and connect the same with the identified STU/ CTU substation and test and commission the project within stipulated time period. The FSPD shall also be required to obtain and maintain all consents, clearances, permits and approvals for the entire term of the Power Purchase Agreement. However SECI will strive to facilitate such endeavour to the extent possible. The FSPD shall also be required to own the Project and arrange funds including equity for the financing of the Project.

Power generated from the Project(s) shall be procured by SECI/ authorized agencies on long term basis at a tariff as discovered in the bidding Process by way of execution of Power Purchase Agreement. Such power shall be offered to different buying utilities under Power Sale Agreement on long term basis.

5. Submission of EOI

- i) Interested parties are required to submit information complete in all respects as per enclosed format (**Annexure-A**). Respondents are required to furnish past experience of FSPV as per Annexure-A2. Respondents are encouraged to provide suggestions as per Annexure-A1. The furnished information shall be well supported with relevant documents.
- ii) Prospective parties may submit their 'Expression of Interest' dully signed by the authorized signatory along with relevant details as sought in the data sheets latest by **05.01.2018 till 17:30 hrs** in a sealed cover super scribing "**Expression of Interest (EOI) for FSPV Project(s)**",

The General Manager (Solar)
Solar Energy Corporation of India Limited,
1st Floor, A-Wing, D-3, District Centre, Saket, New Delhi-110017

- iii) Subsequently, SECI may notify through its website about the discussions meeting with respect to this EOI.
- iv) For any clarification, you are requested to contact 011-71989230/225 or E-mail: solarpv@seci.gov.in, nsm@seci.co.in

6. Disclaimer:

Prospective respondent to this EOI acknowledges and agrees that:

- 1 Solar Energy Corporation of India Limited (SECI) has issued this Expression of Interest with the best intention to explore the market for eligible and interested FSPD and has no compulsions to enter into definitive contractual agreements. This EOI does not guarantee conversion of this EOI into any definitive contractual agreements.
- 2 It is also agreed that SECI in its sole discretion, may reject any and all proposals made by respondent(s), may change the conditions relating to the EOI or cancel this EOI at any time without assigning any reason.

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- 3 Prospective respondent(s) acknowledge and agree that response to the EOI is purely voluntary action on their part and for any expenditure on this account shall be borne by the respondent(s).
- 4 SECI will have no obligation or liability to the respondent(s) in the event of cancellation of EOI.

Note: Respondents are requested to keep themselves updated with the website www.seci.co.in on regular basis for any addition / deletion / modification / clarification or notification in respect of this, at EOI stage and at bidding stage. No separate notification will be issued in any other media.

Annexure – A

1. **Details of the Respondent** (*In case of Consortium name the companies constituting the consortium and each member company to furnish separate information sheet*)

Sl .No.	Parameters	Details
i.	Name of the Company	
ii.	Country of Incorporation	
iii.	Status of the Company: a) Whether registered under the Companies Act 1956 / the Companies Act 2013 b) If not, Country of Incorporation	
iv.	Net Worth of the Company (as on 31.03.2017 or closure of FY 17)	
v.	Annual Turnover of the Company as on 31.03.2017 or of FY 17)	
vi.	Past Experience as an Independent Power Producer: a) Total cumulative solar project capacity (including ground mounted, floating PV, rooftop projects etc.) (MW) b) Total cumulative floating solar PV project (MW) c) Largest floating Solar PV Project (MW) d) Smallest floating Solar PV Project (MW) Details of the past experience of the FSPV Projects to be enclosed as per Format-A2	
vii.	Indicative Cost (Rs Cr / MW) a) PV Modules b) Inverters c) Balance of Plant Equipment	

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	d) Floating Platform e) Civil & Structure f) Other Electrical Equipment including transformers, cables etc. upto interconnection	
viii.	Water Body Area Requirement (Acre/ MW)	
ix.	Indicative PPA tariff (Rs /kWh)	

Annexure-A-1: Suggestions

Any suggestions regarding Project / Bidding Parameters (you are requested to enclose separate sheets):

- a Project Size (Min. & Max.)
- b Time required for commissioning of Project
- c Equity Requirement (INR / MW)
- d Details of the technologies adopted for the floating platforms

Annexure – A2- Past Experience Details

S. No.	Project Capacity (MW)	Location (District, State, Country)	Floating Platform Technology	Status of Construction (Commissioned / under construction)	Operational / Commissioned since (year)	Power Sale Arrangement (Captive/ PPA)	PPA Tariff (Rs/ kWh)	Annual Average CUF (%)

We hereby declare that above information are true and providing such information details are not in violation of any of the Agreements to the best of my knowledge.

Signature:

Name:

Designation:

(Authorised Signatory)