

Expression of Interest (EOI) for
development of 100 MW cumulative capacity Floating Solar PV (FSPV) Power
Projects on Build, Own & Operate basis

PEDA intends to invite Expression of Interest (EOI) from the prospective floating Solar PV Power Plant Developers (FSPDs) for setting up of Floating Solar PV Power (FSPV) plants of cumulative capacity of about 100 MW. FSPDs selected through tender to be floated by PEDA 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) at the rate discovered through bidding with ceiling tariff of Rs. 2.80 per kWh with VGF from Govt. of India as per notification no. 10/3/2018-PPP dated 07.12.2020 of Ministry of Finance, Department of Economic Affairs. The details of EOI is as follows:

1. About PEDA:

Punjab Energy Development Agency (PEDA) was formed in Sept. 1991 as a state nodal agency for promotion and development of New & Renewable Energy (NRSE) Programs/ Projects and energy conservation Programme in the state of Punjab. PEDA is registered as a Society under the Societies Act of 1860 under the Department of New and Renewable Energy, Govt. of Punjab. The projects are provided financial & fiscal assistance by PEDA under the State NRSE Policy 2012 of Govt. of Punjab. Also, Punjab State Electricity Regulatory Commission has designated PEDA as the Nodal Agency for the purposes of the REC Regulations and monitoring of Renewable Purchase Obligation (RPO) in the State of Punjab. In addition, PEDA is the State Designated Agency for Energy Efficiency and Conservation under the Energy Conservation Act 2001 by Bureau of Energy Efficiency, Ministry of Power.

2. Background:

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, Punjab is endowed with

large numbers of water bodies and reservoirs which can be utilized for the installation of floating Solar PV Power (FSPV) Projects, 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:

PEDA in line with national objectives is committed to rapidly scale up utilization of solar power generation in the state. Accordingly, it has been envisaged to develop FSPV Power Projects of different sizes with a cumulative capacity of about 100 MW on pan- Punjab basis. PEDA through this EOI, intends to collect information about feasibility of FSPV Power Projects and interact with prospective developers in the market to enable PEDA in formulation and calling of bids for the selection of FSPV Power Plant Developers (FSPD) on Build, Own and Operate basis

4. Implementation Model:

Interested FSPV Power Plant Developers (FSPD) in association / coordination with Department of Water Resources, Punjab & any other Water Bodies owners in Punjab and PEDA shall identify different sites (i.e., water bodies & reservoirs) for the development of FSPV Power Projects. For the identified sites, PEDA shall invite bids through open tenders system for the selection of Developer(s) for the development of FSPV Power Projects on Build, Own and Operate basis. The site for the development of FSPV Power Project shall be allocated to the FSPV Power plant Developer(s) (FSPDs) selected through bidding. The FSPV Power plant Developer(s) (FSPDs) selected shall be required to design, construct & erect the project and connect the same with the identified STU/Discom 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, PEDA will strive to facilitate such endeavor 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 State DISCOMM on long term basis at a tariff as discovered in the bidding Process by way of execution of Power Purchase Agreement.

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 **28.07.2023 till 14:00 hrs** in a sealed cover super scribing "**Expression of Interest (EOI) for FSPV Power Project(s)**" and addressed to :

The Director

Punjab Energy Development Agency

Solar Passive Complex building, Plot.No: 1&2, Sector-33D, Chandigarh,

Pin Code: 160020

Contact No: 0172-2663382,28

iii) Subsequently, the introductory meeting with the companies/ FSPV Power plant Developer(s) (FSPDs) will be held on 17.07.2023 at 12:00 hrs.

iv) For any clarification, you are requested to contact 0172-2663382 or E-mail: mpsingh@peda.gov.in, Jaspalsingh@peda.gov.in

6. Disclaimer:

Prospective respondent to this EOI acknowledges and agrees that:

- a) PEDA 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.
- b) It is also agreed that PEDA 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.
- c) Prospective respondent(s) acknowledge and agree that response to the EOI is purely voluntary action on their part and any expenditure on this account shall be borne by the respondent(s).

d) PEDDA 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 by visiting the website www.peda.gov.in on regular basis for any addition / deletion / modification / clarification or notification in respect of this EOI. No separate notification will be issued in any other media.

Annexure-A

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

Sr.no.	Parameters	Details
1.	Name of the Company	
2.	Country of Incorporation	
3.	Status of the Company: (a) Whether registered under the Companies Act 1956 / the Companies Act 2013 (b) If not, Country of Incorporation	
4.	Net Worth of the Company (as on 31.03.2023 or closure of FY 23)	
5.	Annual Turnover of the Company (as on 31.03.2023 or of FY 23)	
6.	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	
7.	Indicative Cost (Rs Cr / MW) a. PV Modules b. Inverters c. Balance of Plant Equipment d. Floating Platform	

	e. Civil & Structure f. Other Electrical Equipment including transformers, cables etc. upto interconnection point	
8.	Water Body Area Requirement (Acre/ MW)	
9.	Indicative PPA tariff (Rs /kWh) with applicable VGF of Capital Cost.	
10.	Indicative PPA tariff (Rs /kWh) without VGF of Capital Cost.	

Annexure – A-1: Suggestions

Any suggestions regarding Project / Bidding Parameters

(Please 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.
- (e) Any other relevant information/suggestion

Annexure – A2- Past Experience Details

S.no	Project Capacity	Location	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)