

**Invitation for Expression of Interest from  
Competent Individuals/Firms/Consortiums for  
Setting up Grid Tied Ground Mounted Solar PV  
Power plants at KINFRA Industrial Parks**



**12<sup>th</sup> February 2020**

**KERALA INDUSTRIAL INFRASTRUCTURE DEVELOPMENT  
CORPORATION**

**(A Statutory Body of Government of Kerala)**

**KINFRA Corporate Head Office, KINFRA House, TC 31/2312, Sasthamangalam P.O,  
Thiruvananthapuram, Kerala, India - 695 010**

**|Tel: 0471-2726585 | Fax: 0471-2724773 | Web: [www.kinfra.org](http://www.kinfra.org) |**

## **DISCLAIMER**

This "Expression of Interest (EOI) from competent Individuals/firms/consortiums for Setting up Grid Tied Ground Mounted Solar PV Power plants at KINFRA Industrial Parks" contains brief information about the Project and scope of work for the prospective Applicant. The purpose of EOI is to provide the Applicant with information to assist the formulation of their response.

While all efforts have been made to ensure the accuracy of information contained in this EOI document, this document does not contain all the information required by the Applicant. The Applicants are encouraged to conduct their own independent assessment, investigations and analysis and check the reliability, accuracy and completeness of the information at their end and obtain independent advice from relevant sources as required before submission of their response. Kerala Industrial Infrastructure Development Corporation (KINFRA) and any of its employees or advisors shall incur no liability under any law, statute, rules or regulations as to the accuracy or completeness of the EOI document.

KINFRA reserves the right to change any or all conditions/ information set in this EOI document by way of revision, deletion, updating or annulment through issuance of appropriate addendum as KINFRA may deem fit without assigning any reason thereof. KINFRA reserves the right to accept or reject any or all applications without giving any reason thereof.

KINFRA will not entertain or be liable for any claim for costs and expenses in relation to the preparation of the applications to be submitted in terms of this EOI Document.

**Any addendum/corrigendum will be published in KINFRA website**

## **1. SECTION I: GENERAL INFORMATION**

### **1.1 About KINFRA**

Kerala Industrial Infrastructure Development Corporation (KINFRA) was set up by an Act of the State Legislature in February 1993, aiming at accelerating the industrial development of the State by providing infrastructure facilities to industries. KINFRA's thrust has been to facilitate the development of industrial infrastructure in the State, and as such it has successfully completed more than two decades of excellence in this field. KINFRA has successfully completed over the past 25 years, 24 theme based Industrial Parks in Kerala in areas such as garments, infotainment, marine/seafood, rubber, exports, food processing, Biotechnology etc.

### **1.2 Project Background**

The vision of KINFRA is to create a Kerala where industry thrives in the midst of the rich green environs and where people flourish in an environment that fosters growth and the freedom to innovate. Major industrial development activity of KINFRA includes identification and development of land suited for industrial purposes and helps the State Government to create conditions conducive to the growth of industries in Kerala.

Across the state KINFRA owns more than 3250 Acres of land in 24 industrial Parks. In order to encourage entrepreneurs to enter in to sustainable energy management projects KINFRA proposes to allot land across the state on lease basis.

KINFRA invites competitive bids from bidders for design as per site conditions, erection, testing & commissioning of 2 MW (Scalable) Grid Tied Ground Mounted Solar PV Power plants as a pilot project at KINFRA Integrated Industrial and Textile Park, Kanjikode, Palakkad and KINFRA Mega Food Park, Kozhippara, Palakkad.

The common area (12 to 14 Acres of land (not contiguous)) and land unfit for industrial use can be used for setting up Solar PV Power plants. The bidder shall also undertake a feasibility study and explore the possibility of utilizing the roof tops of KINFRA buildings for setting up of solar plants. The successful bidder needs to pay the prevailing lease premium applicable for the allotment of the land.

## **2. SECTION II: TERMS OF REFERENCE**

### **2.1 Scope of Work**

- The scope of work includes design, planning, investigation, survey, engineering, manufacture/ procurement, manufacturer's quality assurance, shop testing (including type testing where specified/ required), transportation, handling storage, erection including all associated civil/structural works, electrical and general works, piping, cabling, instrumentation, installation, testing and commissioning, training, services, permits and insurance at all stages and all related works for connectivity, statutory inspection and training, additional work/ cabling, power evacuation including cost of transformers and HT metering including design and implementation of plant string level monitoring scheme
- The project should be should be economically viable, suited to the local conditions, and environmentally compliant as per rules and guidelines.

## **3. SECTION III: INSTRUCTIONS TO APPLICANTS**

### **3.1 Expression of Interest**

KINFRA invites competitive bids from bidders for design as per site conditions, erection, testing & commissioning of 2 MW (Scalable) Grid Tied Ground Mounted Solar PV Power plants as a pilot project at KINFRA Integrated Industrial and Textile Park, Kanjikode, Palakkad and KINFRA Mega Food Park, Kozhippara, Palakkad.

### **3.2 Preparation and submission of Proposals**

- The applicant shall submit the EOI for the project mentioned according to their expertise.
- The Bidders have to submit their "**Technical Bid**" and "**Financial Bid**" (As per the format mentioned in **Annexure 1**) in the prescribed format as per this EOI. Cost of preparation of bids and related expenses has to be borne by the Bidder. The bidders also will not be eligible for reimbursement of any travel expenses for attending meetings, for making presentation or any other purposes.

- The Bidder shall also furnish an Earnest Money Deposit (EMD) of **Rs. 50,000/-** (Rupees Fifty Thousand only inclusive of GST) by way of Demand Draft drawn in favour of Managing Director, KINFRA payable at Trivandrum along with the Technical Bid in a cover superscribed "Earnest Money Deposit".
- The bidder would provide all the information as per this EOI, and KINFRA would evaluate only the bids received in the required format. The Technical Bid and Financial Bid should be separately submitted in sealed envelopes, super scribed "Technical Bid" and "Financial Bid" respectively in separate envelopes.
- In the envelope super scribed 'Technical Bid' should contain Pre-qualification Criteria and Technical Evaluation Criteria, and the Bidder should also enclose the envelope containing the EMD in this envelope. Both these envelopes (envelope super scribed 'Technical Bid' and envelope super scribed 'Financial Bid') should be enclosed in another sealed envelope superscribed "**Expression of Interest for Setting up Grid Tied Ground Mounted Solar PV Power plants at KINFRA Industrial Parks**" and should reach in the address given below on or before **16-03-2020** before 5 p.m. Submission of EOI through email will not be accepted.

The Managing Director,  
 Kerala Industrial Infrastructure Development Corporation (KINFRA),  
 KINFRA House, 31/2312,  
 Sasthamangalam,  
 Trivandrum – 695010  
 Kerala, India  
 Telephone:- +91 471 2727281 / 2727282  
 Fax:- +91 471 2727241  
 E mail: [mail@kinfra.org](mailto:mail@kinfra.org)

### **3.3 Key Instructions**

Interested Applicants should make note of the following key points:

- This EOI invitation document is not a Tender or Request for Proposal in any form and would not be binding on KINFRA in any manner whatsoever.

- KINFRA reserves the right to cancel the EOI invitation as a whole or in part without assigning any reasons or implement the projects in fully or part there of or stage by stage or as it may deem fit.
- The Applicants are encouraged to conduct their own independent assessment, investigations and analysis and check the reliability, accuracy and completeness of the information at their end and obtain independent advice from relevant sources as required before submission of their response.
- KINFRA reserves the right to update, amend and supplement the information given in this document at its sole discretion before the last date and time of submission of the responses.
- Applicants should submit their response in English language and as per formats provided in the last section of this document. Submission not conforming to the instructions or prescribed formats will be rejected.

### 3.4 Timeline

<b>Sl. No.</b>	<b>Activity</b>	<b>Date</b>
1	Release of EOI document	12-02-2020
2	Site Visit	20-02-2020
3	Pre Bid Meeting	25-02-2020
4	Last Date for receipt of queries	27-02-2020
5	Reply to queries	29-02-2020
6	Last Date for Submission of the bid	16-03-2020
7	Presentation by the EOI applicant	Will be communicated later by e-mail

#### **4. SECTION IV: ELIGIBILITY CRITERIA**

- The Applicant should be a Legal Entity i.e. Legal Entity of the firm i.e. Sole Proprietorship, Private Limited/ Public Sector Undertaking/ Limited Company/ Partnership firm/ LLP operational/Consortium
- However, no applicant applying individually or as a member of a consortium, as the case may be, can be a member of another applicant consortium. The term bidder used herein would apply to both a single entity and a Consortium
- The bidder should have a minimum of 5 years' experience in setting up solar power plant
- Bidder shall also have experience of having operated and maintained at least one Solar Power Plant, of similar nature with a minimum 4 MW for a minimum period of one (1) year and that plant shall be in operation as on the date of bid submission.
- An average annual turnover of Rs. 30 Crore or above during the last three financial years (2016-17, 2017-18, 2018-19)
- Self-Certification stating that the Company/ LLP/Firm or its Subsidiaries / Individual/ Associates are not Debarred / Blacklisted by any Central / State Governments, Government Departments, Government Bodies or PSUs

#### **5. SECTION V: EVALUATION PROCESS**

- All received proposals will be scrutinized by the committee appointed by KINFRA. The committee will scrutinize all the documents (Firm Registration Certificates/ experience/ previous work orders/last three years IT return /EMD/PAN number /Financial bids etc.) submitted by the bidder. The committee while evaluating the Technical bid shall have no access to the financial bid until the Technical bid evaluation is concluded and at this stage the financial bid will remain unopened. Based on the technical evaluation, a list of short-listed applicants will be prepared.

- The short listed applicants will be required to make presentation of their proposal before the selection committee. Financial Bid shall be opened on the date & time specified by KINFRA, in the presence of the Bidders' representatives (who have technically qualified / or shortlisted) who choose to attend.

### 5.1 Evaluation of Technical bid

- Technical Bid Evaluation will include evaluation of the documents submitted by the bidder followed by a technical presentation. Bidders who qualify the basic eligibility criteria (refer section-4) will only be invited for the technical presentation. The Technical Bid documents and Technical presentation of the bidder will be scrutinized on the basis of the Eligibility Criteria and scores will be assigned accordingly.
- The scoring scheme is as follows:

Bid Evaluation			
Sl.No	Evaluation Criteria	Maximum Marks	
1	Successfully implemented Solar Power Plants Projects (Copy of Work Order and Project Completion Certificate should be attached)	20	
	>= 4 Projects		20
	>= 2 Projects		10
2	Relevant Experience of the firm in the similar field	20	
	>= 15 Years		20
	>= 10 years		10
	>= 5 Years		5
3	Capacity of Successfully Implemented Solar Power Plants	10	
	>= 3 MW		10
	>= 2 MV		5



	<b>Presentation</b>	
Sl.No	Evaluation Criteria	Maximum Marks
1	Understanding of the Scope of Work	25
2	Proposed methodology, execution plan and features	25

The bidders scoring minimum 70 marks out of 100 as Technical Score in the Technical Evaluation shall be declared as the Technically Qualified bidder.

## **5.2 Evaluation of Financial bid**

The Financial bids shall be opened only of the Technically Qualified bidders. The date, time and venue of the Financial Bid opening shall be intimated to all the technically qualified bidders in advance. The authorized representatives of the technically qualified bidders may be present during the financial bid opening. The financial bids shall be scrutinized for their conformity to the specified formats, seal and authorized signature of the bidder. Financial Bids that are illegible, not conforming to the specified formats (as per Annexure 1) or without the seal and signature, with arithmetic errors, with mismatching "figure" and "words" value(s) shall be summarily rejected. KINFRA reserves the right to accept or reject any or all tender documents without assigning any specific reason.

The bidder who quotes the lowest Rate per unit will be selected and a Power Purchase agreement (PPA) needs to executed between the bidder and M/s KINESCO (Power Vertical of KINFRA)

## **6 SECTION VI: PRO-FORMA FOR SUBMISSION OF EOI PROPOSALS**

### **6.1 Form I: Information about the Applicant (Individual/ Organization/Consortium)**

#### A. General Information

##### 1. Details of the Applicant

- Name of Applicant:
- Legal Status:
- Address:
- Tel No. (with code):
- Contact person:
- Name and Designation:
- Address, Telephone No. and Email address:

##### 2. Type of Company: [with supporting documents]

##### 3. Date of incorporation with documentary evidence (or equivalent certificate)

##### 4. Registration detail of firm with documentary evidence (or equivalent certificate)

##### 5. Provide copy of Aadhaar Card, Pan Card, GST returns and CIN No

##### 6. Balance Sheet and Profit & Loss Statement for the Year 2016-17, 2017-18, 2018-19

##### 7. Brief description of the entity, organization structure and area of business

##### 8. In case of consortium, the bidder should submit the consortium Agreement between the consortium partners

##### 9. Self-Certification stating that the Company/ LLP/Firm or its Subsidiaries / Individual/ Associates are not Debarred / Blacklisted by any Central / State Governments, Government Departments, Government Bodies or PSUs.

##### 10. The Applicant should submit a Power of Attorney/Board Resolution/notarial document authorizing the signatory of the application to commit the Applicant.

##### 11. Any other detail which the Applicant Company/ Firms feels relevant in this regard.

##### 12. Details of previous projects successfully implemented. (Proof of Work order and Completion Certificate should be submitted)

## 6.2 Form II: Details of the Technology provider

Please provide details of the entity whose technology is being proposed to be used in the Unit

- Name
- Legal Status (Company: Public/Private, Partnership, Limited Liability Partnership, Sole Proprietorship, Any order)
- Country of Incorporation
- Date of establishment in DDMMYY format
- Principal place of business
- Contact details of designated representative
  - o Name
  - o Designation
  - o Address
  - o Phone No./Fax No./E mail

On Behalf of (Name of the Applicant)

Signature of the Authorized Person:

Name:

Designation:

### 6.3 Form III: Technical Capacity

Please provide the details of technology used in Setting up Grid Tied Ground Mounted Solar PV Power plants:

#### A. Technology

- Suitability of technology for Setting up Grid Tied Ground Mounted Solar PV Power plants
- Strategy for managing the Technology for Setting up Grid Tied Ground Mounted Solar PV Power plants (repairs, maintenance etc).
- Any pollution related issues related to use of technology.

Note: The Company may provide above-mentioned information in a clear tabular form as per the Table given below

Location	Extent of land (Acres)	Proposed Capacity	Estimated Capital Cost	Funding Structure	Capital Investment by the Company	Time Required for setting-up the Plant
KINFRA Integrated Industrial and Textile Park, Palakkad						
KINFRA Mega Food Park, Palakkad						

## **B. Credentials/Experience in handling similar projects**

Please provide the details of Industrial Units that have been completed, or are in the stage of completion by the company.

- Name and Address
- Date of Commencement of Commercial Operation
- Scale of the project (in Capacity)
- Type of technology used:
- Land requirement including plant footprint area (in Sq Ft)
- Environment management plan
- Scope of work of the company
- Any risks perceived for success of the project and risk mitigation mechanisms undertaken

## **C. The entrepreneur shall submit a Detailed Project Report (DPR) highlighting**

- Details of the Company
- Executive Summary
- The detailed process and technology planned for setting up the Solar power plants
- Total Investment for setting up the facility
- Means of Finance, funding pattern, breakeven period
- Expected Employment Generation etc.

**6.4 Form IV: Applicants Declarations (on the Letter Head of the Applicant)**

**DECLARATION**

*I/We hereby declare that the details furnished are true and correct to the best of my knowledge and belief and I undertake to inform you of any changes therein, immediately. In case any of the information is found to be false or untrue or misleading or misrepresenting, I am aware that I may be held liable for the same.*

**Signature**

**DECLARATION**

*I/we hereby declare that I/we have not been Blacklisted by any Central/State Govt Depts/Central/State Govt PSUs, Autonomous and statutory bodies under State/Central Governments.*

***Signature***

## **Annexure-1**

### **Financial Bid format**

**The Financial Bid shall be submitted in the below mentioned format**

<b>Sl No.</b>	<b>Details of work</b>	<b>Rate Per Unit</b>
<b>1</b>	The Power Purchase Rate per unit at which power will be supplied to M/s KINESCO	
<b>Total</b>	<b>(In figures)</b>	
	<b>(In words)</b>	

*Signature and seal of  
Authorized signatory*

*Date:*