KAMARAJAR PORT LIMITED

(Erstwhile known as Ennore Port Limited)
(A Mini Ratna Government of India Undertaking)

SETTING UP OF 5 MW GROUND MOUNTED SOLAR POWER PLANT AT KAMARAJAR PORT

EXPRESSION OF INTEREST (EOI)

JULY 2019

EOI FOR SETTING UP OF 5 MW GROUND MOUNTED SOLAR POWER PLANT

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EXPRESSION OF INTEREST (EOI)

REQUEST FOR EXPRESSION OF INTEREST (EOI) FROM APPLICANTS FOR PARTICIPATING IN SETTING UP OF 5 MW GROUND MOUNTED SOLAR POWER PLANT AT KAMARAJAR PORT IN INDIA

(This Notice is issued only to elicit Expression of Interest from the parties interested in the project and does not constitute any binding commitment on the Kamarajar Port Limited to proceed with the project or invite any or all the parties in the subsequent bidding process. RFQ through Global Competition will be issued subsequently. The details furnished in the Expression of Interest will not have any bearing on the tender evaluation and its finalization)

SECTION - 1

INFORMATION ON KAMARAJAR PORT LIMITED

1.1. General

Kamarajar Port is located on the east coast at Latitude 13° 15' 30" N and Longitude 80° 21' 00" E. The Govt. of India declared Kamarajar Port as the 12th Major Port in March 1999 and it was incorporated as a corporate entity "Ennore Port Limited (EPL)", under the Indian Companies Act of 1956 on 11th October, 1999. Its name was subsequently changed to Kamarajar Port Limited (KPL). The aerial view of the Kamarajar Port is shown in Figure 1.1

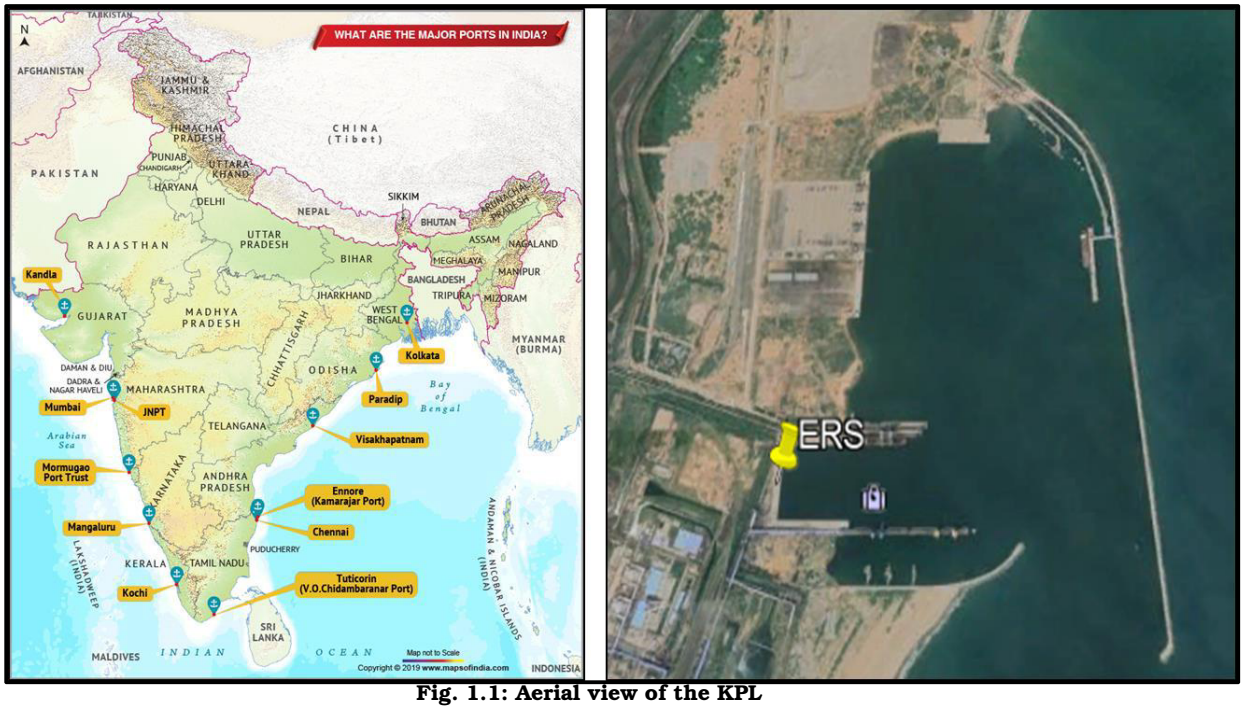


Fig. 1.1: Aerial view of the KPL

KPL is operating the Port as a landlord port limiting its functions to overall planning for development, conservancy of the port, regulatory aspects, environment monitoring, dredging the berth areas, port basin and approach channel, installation of navigational aids/fire-fighting facilities, road and rail connectivity. The development and operation of individual cargo terminals are entrusted to private operators

1.2. Existing Port infrastructure

The Port presently consists of a harbour basin protected by two breakwaters – 3080 m long on the north /east side and 1070 m on the south side. An approach channel 3775 m long 250 m wide and 19.0 m/20.0M deep (CD) leads to a turning basin of 600 m diameter and 18.50 m deep (CD). The Port has at

present ten constructed berths. Kamarajar port (erstwhile Ennore port) opened the new frontier in promoting Indian International trade. The Port which was looked upon initially mono commodity Coal Port with a capacity of 12 MTPA to serve the interest of Tamilnadu Electricity Board as over a period developed as a Multi Cargo Port with a capacity of 70 MTPA. As of now, port has handling container, Dry/Liquid bulk, Automobiles, General Cargo and Project Cargo and capable of serving various needs of the EXIM Trade.

1.3. Site Conditions

a. Wave Climate around Ennore Port

National Institute of Ocean Technology (NIOT) has deployed a wave rider buoy (Sea Watch Buoy) off Chennai Port in the water depth of 16.0 m as a part of measuring met-ocean parameters. The buoy could measure ocean waves and currents for a part of 1998 during which no cyclones crossed along the Chennai coast. After making interpolation for unavailable data and correction for calibration based on visual observations, wave climate for the year 1998 was generated. From this data, monthly mean values of wave parameters are estimated and these values are given below:

Table 1.1

Month (1998)	Significant wave Height (M)	Significant Period (s)	Wave Direction from True North (Degrees)
January	0.9	8.1	90
February	1.1	8.2	115
March	0.9	8.3	135
April	1.3	9.5	135
May	1.6	10.8	135
June	1.5	11.1	135
July	1.0	10.4	135
August	1.1	11.0	135
September	1.2	11.0	135
October	1.1	9.8	115
November	1.0	8.6	90
December	1.4	8.4	90

Notes:

1. 90^0 from True North = Waves approach from East
3 115^0 from True North = Waves approach from East of South East
4 135^0 from True North = Waves approach from South East

b. Tides

The tides at Ennore are semi-diurnal having two peaks and two lows in every day and in every duration between new and full moon days (Spring and Neap). Tide level changes continuously. Tide levels at Chennai Port are continuously measured. Ennore is only 20 Km. away along the coast from Chennai Port. In view of close proximity to Chennai, it can be assumed that there is no variation in tides and its predictions from Chennai Port. With this assumption, the different levels of tides at Ennore are given below:

Table 1.2

Description	Height (in m)
Highest High Water	+ 1.50
Mean High Water Springs	+ 1.10
Mean High Water Neaps	+ 0.80
Mean Sea Level	+ 0.65
Mean Low Water Neaps	+ 0.40
Mean Low Water Springs	+ 0.10
Lowest Low Water	- 0.10

c. Currents

The direction of the current during the North-East monsoon, (mid October to mid January) is directed southwards and in the southwest monsoon namely from (mid April to mid August) the current is directed northwards. The currents in the coastal zone are approximately 0.15m/sec to 0.25m/sec. NIOT has measured currents at Ennore Port for three seasons for a period of 30 days at a water depth of 10m. The flow is parallel to the coast and the direction changes from south to north at the end of Northeast monsoon.

Table 1.3

Season	**Period of observation**	**Min. (m/sec)**	**Max. (m/sec)**	**Mean (m/sec)**
1	18 -02-99 to 19-03-99	0.01	0.39	0.22
2	28-05-99 to 05-06-99	0.05	0.42	0.28
3	14-12- 99 to 21-2- 99	0.09	0.46	0.25

SECTION – 2

INFORMATION ON PRESENT PROJECT - SETTING UP OF 5 MW GROUND MOUNTED SOLAR POWER PLANT AT KAMARAJAR PORT

2.1. GENERAL

KPL is in the process of setting up of 20 MW total capacity solar Power Plant (ground mounted) in phased manner over the next 5 years. Now it is proposed to set up 5 MW ground mounted solar power plant during the year 2019-20 in the available Kamarajar Port land area. Further, DPR for installation of 5 MW solar power plant was prepared by M/s. ITCOT Consultancy and Services Ltd. In the DPR, it was suggested by the consultants to setup the solar plant in PPP / BOO model for a long term concession period of 20-25 years with Power Purchase Agreement (PPA) with KPL for its internal consumption requirement.

2.2. SITE CONDITION

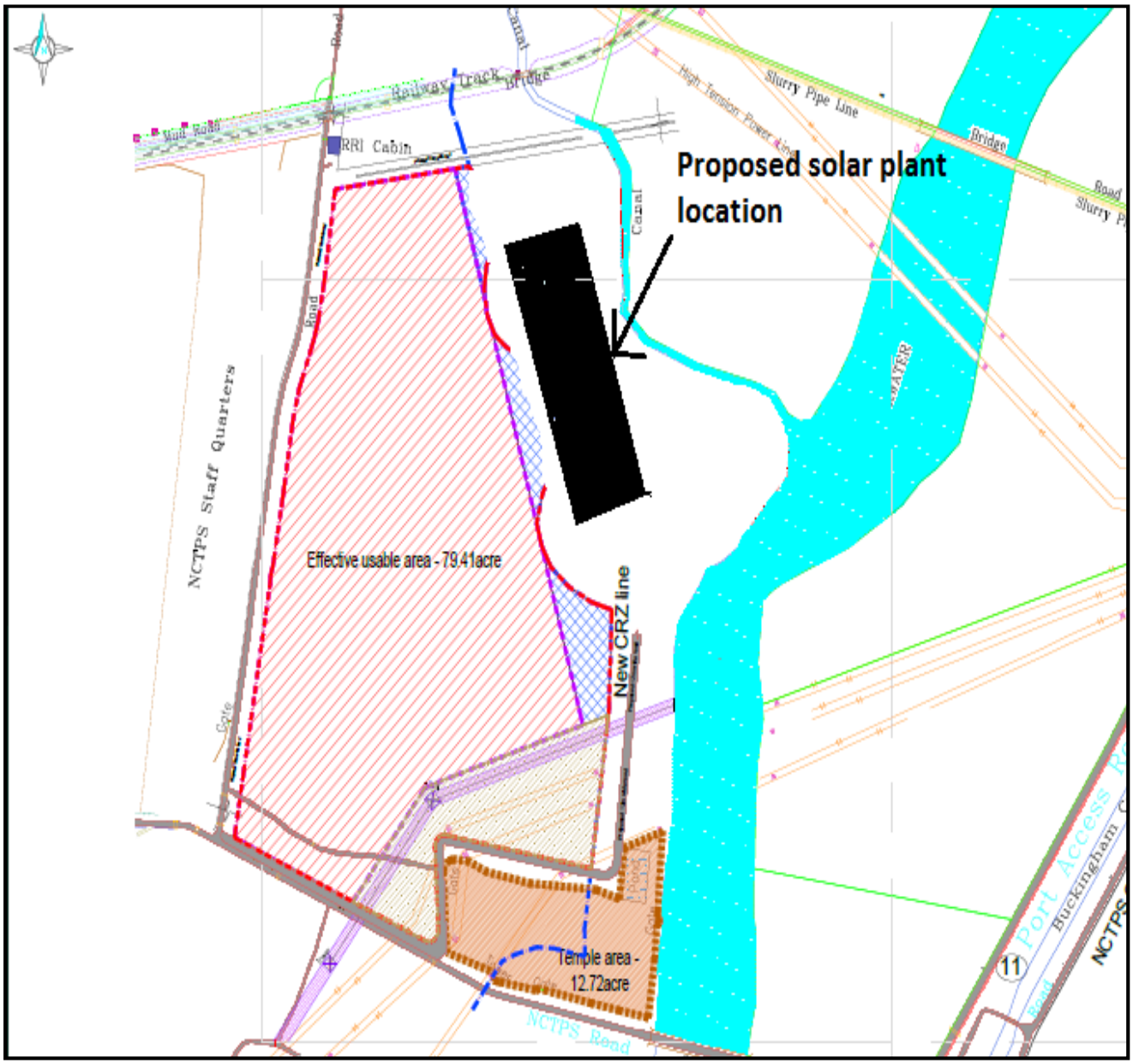
The land identified by KPL for setting up of solar power project is located eastside of the land identified for Coastal Employment Unit (CEU) and westside of backwater in between Buckingham canal and the proposed CEU. The entire site is about 4 m depth from the level of nearby assess road. The soil is predominantly clay / loose condition of loamy and alluvial types. Lot of mangroves is available in west boundary of the site. The extent of land is considered is about 20 acres. The general location map is indicated in the Map 2.2.

KPL has proposed to utilize this land for setting up solar PV power project. As a pilot project, KPL has decided to set up a 5MW solar PV project in the above location to meet its internal consumption of about 19 lakhs units per annum and remaining generation has to be sold to TANGEDCO (or) Third party.

2.3. PLANT SITE

The main ingredient for the generation of electricity by solar PV module is sunlight. Hence, large open plains with even terrain, nominal vegetation and structure free area are ideal for solar power plants. Further, the site should have good solar isolation of the year for maximum generation of electrical energy. Connectivity to public utility for power evacuation is mandatory for grid-connected systems. As no transport of fuel is involved, remote locations are also acceptable.

MAP 2.2. - PROPOSED SITE LOCATION



2.4. SOLAR RESOURCES AT PROPOSED SITE LOCATION

Solar energy as received at the surface of earth is relatively diffused and is reliable. It is continuously variable on a daily basis with seasonal variation throughout the year and may be intermittent, influenced heavily by metrological conditions. The sunshine hours available at site has great influence on the solar radiation received at ground level, which in turn decides the amount of power generated by the solar PV power plant.

Seasonal Day light / Sunshine Hours Table

Date	Sunrise	Sunset	Length	Change	Dawn	Dusk	Length	Change
Today	05:54	18:22	12:28		05:32	18:44	13:12	
-1 day	05:55	18:22	12:27	00:01 shorter	05:33	18:44	13:11	00:01 shorter
-1 week	05:58	18:21	12:23	00:05 shorter	05:37	18:43	13:06	00:06 shorter
-2 weeks	06:02	18:21	12:19	00:09 shorter	05:41	18:42	13:01	00:11 shorter
-1 month	06:13	18:20	12:07	00:21 shorter	05:52	18:41	12:49	00:23 shorter
-2 months	06:30	18:15	11:45	00:43 shorter	06:09	18:37	12:28	00:44 shorter
-3 months	06:36	18:04	11:28	01:00 shorter	06:13	18:26	12:13	00:59 shorter
-6 months	06:00	17:48	11:48	00:40 shorter	05:38	18:10	12:32	00:40 shorter

A typical month wise mean Global Insolation available for the site with Latitude of 13°3' N and Longitude of 80 °3' E is given in below

Table 2.1 Mean Global Insolation on Horizontal Plane at site

Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Average
Insolation, kWh/m²/day	4.93	5.89	6.64	6.72	6.12	5.24	4.73	4.80	5.01	4.42	4.05	4.24	5.22

Source: NASA Langley Research Centre - Atmospheric Science Data Centre

It is observed that the Global solar insolation figures reported by different agencies for the same location vary marginally for different months. Average monthly and yearly global solar insolation reported by NASA is found to be conservative and is selected for designing the solar PV power plant at site in Ennore. In addition, the atmospheric pollutant like dust is expected to reduce the sunshine intensity on the PV modules depending on the environmental conditions prevailing at the selected site at Ennore.

2.5. PROPOSED SOLAR PV TECHNOLOGY

As discussed in earlier on Solar PV cell technology, it is prudent to invest on solar PV cell technology, which provides highest power generation for unit area of cell. Flat panel type poly crystalline silicon cell based solar PV modules are selected for this project on account of the following:

The poly silicon cell manufacturing technology is proven with number of projects are in operation for more than a decade. Though big scale solar farms are coming up now only in India, past installations in other countries indicate that most of the projects were using poly silicon technology predominantly. Several manufacturers are available globally as well as in India with proven track record in supply of poly silicon cell based solar PV modules. A poly silicon solar cell having 15.9% conversion efficiency has been considered for this project.

The proposed Solar PV Power Plant is expected to have an installed capacity of 5 MW AC in power export line at plant boundary and minimum 5.5 MWp of installed Solar PV modules on DC and maintaining inverter to module ratio of minimum 1:1.10.

M/s. ITCOT has estimated the project cost for 5 MW as Rs. 33.71 Crores for Multi/Poly-Silicon flat plate module including contingency.

2.6. POWER GENERATION CAPACITY

The generation capacity of a solar PV power plant is often computed on a system performance model by the suppliers, taking in to account the daily/ monthly solar insolation, sun position, voltage generation at solar PV module in relation to module working temperature, losses within the system as well as operator defined factors such as dust rating, grid interaction and transmission losses, etc.

Based on the insolation data for the site, the energy that can be generated in a year by 5 MW AC solar PV power plant and the corresponding energy available at the output terminals of the invertors as well as at the plant boundary for the first year of operation are presented in Table 2.6.1.

The amount of electrical energy generated by the PV modules from the incident solar radiation and system losses in the various constituent parts up to inverter output shown in this loss diagram is typical to give an idea of what gains and losses are considered in the computing model. This will vary from supplier to supplier and various site specific conditions such as ambient temperature, surface air velocity, clearness index, etc assumed for computation.

Table 2.2 - First year Generation at Inverter output

1908	kWh/m2	Horizontal Global Irradiation
1950	kWh/m2	+2.2% Global incident in collector plane
1905	kWh/m2	-2.3% - IAM factor on global effective irradiance on collector
1848	kWh/m2	-3.0% soiling loss factor
32459	m2	Effective area of module
15.95	%	Module Efficiency at STC
95,67,349	kWh	Array Nominal Energy (At STC eff)
86,68,018	kWh	-9.4% PV loss due to Temperature
84,94,658	kWh	-2% LID (Light Induced Degradation) loss
84,09,711	kWh	-1% Module Array Mismatch Loss
83,34,024	kWh	-0.9% Ohmic Wiring loss
83,34,024	kWh	ARRAY VIRTUAL ENERGY AT MPP
81,67,343	kWh	-2%Inverter loss during operation
81,67,343	kWh	AVAILABLE ENERGY AT ENERGY AT INVERTER OUTPUT
80,69,335	kWh	-1.2% external ohmic loss
79,88,642	kWh	-1% Transformer loss
79,88,642	kWh	AVAILABLE ENERGY AT PESS (AT PLANT BOUNDARY)
79,08,755	kWh	1% Transmission line loss
79,08,755	kWh	AVAILABLE ENERGY AT PEP (AT POWER EXPORT POINT)

2.7. Public Private Partnership (PPP) Model:

Considering the PPP model, KPL will provide the following

- Land identified for establishing solar power plant of an extent of around 20 acres adjoining the Coastal Employment Unit (CEU) being promoted by KPL. This land is located within the CRZ zone and approval for establishment of solar PV project from MoEF/DEA/Pollution Control Board will be obtained by the Developer with the help of KPL.

- Soil test report already done for FTWZ/CEU which is taken as reference for this project will be provided to the Developer. The developer has to do soil test at his own cost before quoting.
- This land adjoining the CEU is quailed as per CRZ notification for renewable energy projects, which is otherwise will be kept unutilized.
- KPL will facilitate with other Govt. departments for establishing the project under PPP.
- Under the PPP project, KPL will provide the 20 acres of land on lease to the successful bidder/developer for a concession period of 20-25 years.
- The Solar Power Developer and KPL will enter into a Power Purchase Agreement (PPA) for a period of 20-25 years from the date of commissioning to meets its internal consumption with annual escalation.
- The developer who submitted the lowest offer on basis on Tariff will become successful bidder for award of contract work subject to fulfilling all terms & condition provided in the RFP
- At the end of 25 years, the developer shall decommission the plant and hand over the land to KPL.

2.8. Built Own Operate (BOO) Model

- The Solar Power Developer (SPD) or the Private Partner will set up the plant on Build-Own-Operate (BOO) model. The SPD will bear the total project cost including design, supply/manufacturing, erection & commissioning of the plant and undertake operation & maintenance of the plant throughout the concession period.
- KPL will purchase solar power generated by the plant for its internal consumption, on a pre-determined tariff as will be outlined in the Purchase Power Agreement (PPA). The remaining surplus has to be sold to TANGEDCO/Third party by the developer
- The concession tenure will normally be for a period of 20-25 years, after which the developer and KPL will have options either to continue or decommission the plant.

2.9. Tariff

- KPL will purchase of solar power produced equivalent to its internal consumption with annual escalation at a pre-determined tariff, which will

necessarily be less than prevailing purchase rate at the location of the project.

- The Tariff may be calculated on the basis of following formula:
- Rate per unit (kwh) = (Prevailing Industrial rate at the location of the project- Rs. XX) when the power is consumed for Industrial Purpose, or
- The 'discount parameters' XX, which may vary on a year to year basis, can be the determining financial criterion for selection of solar power developer.

2.10. Obligations of the Solar Power Developers (SPD) or PPP partner:

The SPD/PPP will undertake following at its own cost & risk:

- Design, engineering, manufacture, supply, civil work, erection, testing & commissioning of the project in accordance with the industry standards, applicable Law, the Grid Code and prudent utility practices and site conditions.
- Obtain all requisite regulatory consents, clearances and permits and maintaining them in full force and effect during the project term;
- Undertake necessary site preparation for installation of equipment and maintain the site/premises throughout contract period (20- 25 years).
- Connecting the Power Project with the Interconnection Facilities at the Delivery Point;
- Operation & Maintenance of the plant throughout the concession period for ensuring generation of contracted solar power;
- Undertake all necessary and reasonable safety precautions with respect to providing the Installation Work, Solar Power, and System Operations that shall comply with all Applicable Laws pertaining to the health and safety of persons and real and personal property.
- Guidelines of CERC/TNERC/TANGEDCO should be followed by the developer.

2.11. Concessions to be provided by KPL

KPL shall undertake/provide following:

- Granting permission to SPD/PPP to use required land premises for the installation, operation and maintenance of the solar power system;
- Taking reasonable measures for security of the premises;

- Purchase of solar power generated by the plant equivalent to its internal consumption with annual escalation at the predetermined tariff throughout the concession period.

2.12. Major Project clearances /Approvals required

List of Statutory Approvals

Sl.No	Regulation/ Project Approvals	Authority
1.	Registration of land for the project	Sub Registrars Office, GoTN
2.	NOC from Panchyat for setting up for solar power plant	LocalPanchyat
3.	Signing of PPA	State DISCOM
4.	Environmental Clearances	Solar based PV power plant does not require any Environmental Clearances from Ministry of Environment & Forest and no Environment Impact Assessment (EIA) study also need to be carried out as per the EIA notification act of 14th Sept 2006. But proposed site is nearby backwater flow & in CRZ 1B zone. Hence consent to establish approval may required for the project
5.	Consent from pollution control u/s Section 21 of the Air (Prevention and Control of Pollution) Act, 1981	State pollution control Board
6.	Consent from pollution control u/s Section 25 of the Water (Prevention and Control of Pollution) Act, 1974	State pollution control Board
7.	Approval of Electrical Installation	Central Electricity Authority (CEA) / Chief Electrical Inspector to Government of Tamil Nadu
8.	Approval of Electrical load diagram & evacuation line	Central Electricity Authority (CEA) / Chief Electrical Inspector to Government of Tamil Nadu
9.	Approval of evacuation line	TANGEDCO / TANTRANSCO
10.	Fire safety clearance (NOC)	District Fire officer
11.	Fire license	District Fire officer

Note: The company/Project promoters have to obtain all such clearances/approvals/licenses as may be required from time to time for establish the project.

SECTION - 3

ROLE OF THE SELECTED FIRM

3.1. The Selection of the firms for Setting up of the 5 MW Ground mounted Solar Power Plant will be done through Public-Private-Partnership (PPP) / BOO model in line with the Guidelines issued by Govt of India/GoTN for a license period of 20-25 years.

3.2. The selected firm has to Design, Engineer, Finance, Procure, Construct, Operate, Maintain, Market and Transfer the Ground mounted Solar Power Plant to the Kamarajar Port Limited.

3.3. Interested Applicants of repute, having international exposure in Solar Power Plant or similar facilities are hereby invited to submit their **"Expression of Interest (EOI) for participating in global competition for Setting up of the 5 MW Ground Mounted Solar Power Plant at Kamarajar Port".**

SECTION - 4

INFORMATION AND INSTRUCTIONS FOR APPLICANTS

4.1. General

4.1.1. Parties interested in the project are required to submit their Expression of Interest in writing, indicating the following details in Appendix 1, 2 & 3.

4.1.2. All information called for in the enclosed forms should be furnished against the relevant columns in the forms. If for any reason, information is furnished on a separate sheet, this fact should be mentioned against the relevant column. Even if no information is to be provided in a column, a 'nil' or 'no such case' entry should be made in that column. If any particulars/ query is not applicable in case of the applicant, it should be stated as 'not applicable'. The applicants are cautioned that not giving complete information called for in the application forms or not giving it in clear terms or making any change in the prescribed forms or deliberately suppressing the information shall result in the applicant being summarily disqualified. Applications made by telegram or telex and those received late will not be entertained

4.1.3. The application should be typewritten. The applicant should sign each page of the application

4.1.4. The applicant may furnish any additional information, which is deemed necessary to establish capability to successfully complete the envisaged project. Superfluous information need not be furnished and no information shall be entertained after submission of EOI document unless specifically called for

4.1.5. Any information furnished by the applicant found to be incorrect either immediately or at a later date, would render him liable to be debarred from taking up the project

4.1.6. The EOI document in prescribed form duly completed and signed should be submitted (hard copy) in a sealed cover. The sealed cover superscribed **"Expression of Interest for Setting up of 5 MW Ground Mounted Solar Power Plant at Kamarajar Port"** shall be delivered to the Port office of Kamarajar Port Limited at Vallur Post, Chennai – 600 120, INDIA **on or before 1500 Hrs IST on 20.08.2019.** A soft copy, MS-Word compatible, shall also be submitted in the same sealed cover. Documents submitted in connection with EOI will be property of KPL.

4.1.7. Prospective applicants can seek any clarification on or before 1700 Hrs IST on **13.08.2019** regarding the proposal and EOI document from the

Deputy General Manger (Civil),
Kamarajar Port Ltd.,
Vallur Post,
Chennai - 600 120,
INDIA.
Phone: +91-44–2795 0029
Fax: +91-44-2795 0002

4.1.8. Kamarajar Port Limited reserves its right not to respond to any question raised or provide clarification sought in its sole discretion

4.2. Assessment of the project

4.2.1. The particulars of the project given in Section-2 are indicative only – subject to change and may be considered only as advance information to assist the applicant.

4.2.2. The Applicant may also suggest appropriate model for the development of Port based Setting up of 5 MW Ground Mounted Solar Power Plant other than PPP/BOO model.

4.2.3. Any suggestions to make the project more investor-friendly may also be submitted

4.3. Information to be given in the required formats:

4.3.1. Details of the Applicant

- Name, address, phone number and E-mail ID of the Authorised Representative.
- Letter of Authorization for signing the documents from the competent person of the applicant.
- Contact person[s] along with contact details, designation.
- Background, activities, relevant experience.
- copies of last three year audited annual reports and

After assessing the response from the parties, the process of RFQ will be initiated, this will be open for all eligible bidders.

4.3.2. List of Projects

List of similar assignments / projects successfully developed during the last three years shall be given (Appendix - 4).

4.3.3. Letter of Transmittal

The applicant should submit the letter of transmittal attached with the 'EOI' document.

4.4. Disclaimer

The information in this document has been prepared to assist the applicants in preparing the non-binding EOI and it is clarified that:

i. It does not constitute an invitation to offer or an offer in relation to the transaction.

ii. This document does not constitute any contract or agreement of any kind whatsoever.

iii. This document does not, and does not purport to contain all the information that interested firms and their advisors would desire or require in reaching decisions as to the transaction. Interested applicant should form their own view as to what information is relevant to such decisions and make their own independent investigations in relation to any additional information.

iv. Neither the information in this document nor any other written or oral information in relation to the transaction or otherwise is intended to form the basis of or the inducement for any investment activity or any decision to enter into any contract or arrangement in relation to the transaction and should not be relied on as such. Kamarajar Port Ltd. nor their employees or advisors shall be liable to any interested party or any Entity under any law including the law of contract, tort, the principles of restitution or unjust enrichment or otherwise for any loss, expenses or damage which may arise, or be incurred, or suffered, in connection with this document, or any matter that may be deemed to form part of this document, or any other information supplied by or on behalf of /Kamarajar Port Ltd. or their employees or advisors or otherwise arising in any way from the selection process mentioned herein.

v. Kamarajar Port Limited is not bound to accept any or all the EOIs. Kamarajar Port Limited reserves the right to reject any or all EOIs without assigning any reasons. No applicant shall have any cause of action or claim against Kamarajar Port Ltd. or its officers, employees, advisors, agents, successors or assignees for rejection of this EOI. Kamarajar Port Limited shall be entitled to invite offers from entities other than the Applicants who have submitted EOI.

vi. Failure to provide information that is essential to evaluate the applicant's qualifications or substantiation of the information supplied, shall result in disqualification of the applicant.

vii. It shall not be assumed that there shall be no deviation or change in any of the herein mentioned information. While this document has been prepared in good faith, neither Kamarajar Port Ltd. nor any of their respective officers or employees or advisors or agents make any representation or warranty or shall have any responsibility or liability whatsoever in respect of any statements or omissions here from. Any liability is accordingly expressly disclaimed by Kamarajar Port Ltd. or any of their respective officers, employees, advisors or agents, whether negligent or otherwise.

4.5. Submission of the Expression of Interest

Parties interested in the Project are required to submit their Expression of Interest in writing **on or before 1500 Hrs IST on 20.08.2019** at the following address:

To
Deputy General Manager (Civil),
Kamarajar Port Limited,
Port Administrative Building,
Vallur, Chennai - 600 120,
Tamil Nadu, India.
Tel: +91 44 27950029
Fax: 0091 44 27950002

4.6. After assessing the response from the firms, the process for selecting the potential Developer / Operator will be initiated.

4.7. **SUGGESTIONS**

The Firms may also submit their suggestions and views, if any, that can be considered for the Project, in a separate sheet.

SECTION - 5

LETTER OF TRANSMITTAL

(to be typed in Firm's Letterhead)

From Date:

To
Deputy General Manager (Civil),
Kamarajar Port Limited,
Port Administrative Building,
Vallur, Chennai - 600 120,
Tamil Nadu, India.

Sub: Submission of Expression of Interest (EOI) for Setting up of 5 MW Ground Mounted Solar Power Plant at Kamarajar Port

Sir,

Having examined the details given in EOI Notice and Expression of Interest (EOI) document for the above project, I/we hereby submit our Expression of Interest and the relevant information.

1. I/We hereby certify that all the statements made and information supplied in the enclosed form and accompanying statements are true and correct.

2. I/We have furnished all information and details necessary for EOI and have no further pertinent information to supply.

3. I/We also authorize Kamarajar Port Limited or their authorized representatives to approach individuals, employers and firms to verify our competence and general reputation.

4. I/We submit the following certificates in support of our suitability, technical know-how and capability for having successfully setup of 5 MW Ground Mounted Solar Power Plant along with prescribed format.

5. We understand that KPL will be at liberty to finalize project parameters and/or issue RFQ for the project.

Signature(s) of Applicant(s) / Authorized Representative
Name
Designation
Address

Seal of applicant

Appendix - 1

Details pertaining to the Project for Setting up of 5 MW Ground Mounted Solar Power Plant at Kamarajar Port

Sl. No.	Description	Details / Suggestions
1.	Name of firms /Applicants	
2.	Nature of Business / Industry	
3.	Estimated Cost	
4.	Details of further land if required	
5.	License/ Concession Period Required	
6.	Period required for development and Setting up of Solar Power Plants	
7.	Details of Annual Maintenance cost with breakup to maintain the facility	
8.	Any other information considered necessary but not included above	

Signature(s) of Applicant(s) / Authorized Representative
Name
Designation
Seal of applicant

Appendix -2

Details pertaining to the Applicant for Setting up of 5 MW Ground Mounted Solar Power Plant at Kamarajar Port

1.	Name & Address of the applicant with Telephone No./Fax No.	
2.	a) Year of Establishment b) Date & Year of commencement	
3.	Legal status of the applicant (attach copies of original document defining the legal status)- a) A proprietary firm b) A firm in partnership c) A limited company or Corporation / Joint venture /Consortia d) State owned	
4.	No. of Directors / Partners of the Company / Firm	
5.	Nature of Business carried out by the Company / Firm	
6.	Any other information considered necessary but not included above	

Signature(s) of Applicant(s) / Authorized Representative

Name

Designation

Seal of applicant

Appendix – 3

Details of Setting up of 5 MW Ground Mounted Solar Power Plant

1.	Name of Facility	
2.	Location	
3.	Description of Facilities	
4.	Details of Suppliers and power generated, if any	Appendix 4, Form - A
5.	Annual Turnover giving breakup of category wise income earned during last three years	Appendix 4, Form - B
6.	Profit before Tax earned by the company / firm during last three years	Appendix 4, Form – B
7.	Net worth of the company / firm during last three years	Appendix 4, Form – B
8.	Any other information considered necessary but not included above	

Signature(s) of Applicant(s) / Authorized Representative

Name

Designation

Seal of applicant

.

Appendix - 4

Form – A

(In Units)

Supplier	Power Generated	2016-17	2017-18	2018-19

Signature(s) of Applicant(s) / Authorized Representative

Name

Designation

Seal of applicant

Appendix - 4

Form – B

(Rs. in Lakhs)

Sl. no.	Description	Year wise		
		2016-17	2017-18	2018-19
1.	Annual Turnover			
2.	Profit before Tax			
3.	Networth			

Signature(s) of Applicant(s) / Authorized Representative

Name

Designation

Seal of applicant