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NEW & RENEWABLE ENERGY DEPARTMENT, HARYANA

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To

The Managing Director,
HVPNL, Sector 6,
Panchkula

No./ DRE/HAREDA/2021/ *5382* Dated: 13.05.2021

Subject:- Guidelines for Development of Solar Parks in the State of Haryana by Private Entrepreneurs without CFA.

Please find attached the guidelines for Development of Solar Parks in the State of Haryana by Private Entrepreneurs without CFA for information and further necessary action please.

This has been issued with the approval of Addl. Chief Secretary to Government Haryana New & Renewable Energy Department.



(R. Birthal)
Project Officer
for Director General,
New & Renewable Energy Department,
Haryana & HAREDA, Panchkula



CC to

Programmer, New & Renewable Energy Department, Haryana, Panchkula with a request to upload these guidelines on website of the department.

**Guidelines for Development of Solar Parks in the State of Haryana by Private
Entrepreneurs without CFA
Haryana Renewable Energy Development Agency (HAREDA)
(New & Renewable Energy Department, Haryana)**

Concept and Scope of Solar Park

Solar power projects can be set up anywhere in the country, however the scattering of solar power projects leads to higher project cost per MW and higher transmission losses. Individual projects of smaller capacity incur significant expenses in site development, drawing separate transmission lines to nearest substation, procuring water and in creation of other necessary infrastructure. It also takes a long time for project developers to acquire land, get various permissions, etc. which delays the project. To overcome these challenges, the scheme for “Development of Solar Parks and Ultra Mega Solar Power Projects” was rolled out by MNRE, GoI in December, 2014 with an objective to facilitate the solar project developers to set up projects in a plug and play model.

The solar park is a concentrated zone of development of solar power generation projects and provides developers an area that is well characterized, with proper infrastructure and access to amenities and where the risk of the projects can be minimized. Solar park also facilitates project developers by reducing the number of required approvals.

Large size projects have a potential to bring down the cost of solar power. Therefore, for the small and medium size consumers and generators, economies of scale is attained in a solar park, enabling them also to get a level playing field and bring down their cost of solar power as well.

At the State level, the solar parks enable the States to bring in significant investment from project developers, meet its Solar Renewable Purchase Obligation (RPO) mandate and provide employment opportunities to local population. The State also reduces its carbon footprint by avoiding emissions equivalent to the solar park’s installed capacity and generation. Further, consumers in the State will also avoid procuring power from fossil fuel-based power plants.

The solar park provides a huge impetus to solar energy generation by acting as a demonstration facility to encourage project developers and investors, prompting additional projects of similar nature, triggering economies of scale for cost-reductions, technical improvements and achieving large scale reductions in green house gasses (GHG) emissions.

The Solar Power Park Developer “SPPD” is tasked with acquiring the land for the Park, cleaning it, levelling it wherever considered desirable and allocating the plots for individual projects. In the solar park more than one solar project are to be set up while the solar project is a single entity which could not be divided in to smaller projects.

Following are the guidelines to develop the solar park in the State of Haryana by private entrepreneurs i.e. Solar Power Park Developers (SPPD) without Central Financial Assistance (CFA)/State Subsidy:

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- (i) These guidelines are for development of solar power parks by private entrepreneurs in line with Mode 6 of MNRE guidelines.
- (ii) The SPPD may submit proposal for development of solar park to NRE/HAREDA along with the detailed project report (DPR) and 100% land documents as defined in clause (vii) below. Registration certificate of the company/firm who has to develop solar park shall also be submitted. No application fee will be charged by NRE/HAREDA.
- (iii) The DPR shall be authenticated by MNRE/BEE approved Chartered Engineer (CE) and Chartered Accountant (CA) of the SPPD in which cost and other details required for development of the solar park shall be mentioned. Already approved solar parks are not required to submit these documents.
- (iv) After examination of DPR and land documents, NOC for development of solar park will be issued by NRE/HAREDA. While evaluating the DPR mainly following parameters are to be considered:
 - a) Status of Solar Power Park Developer (SPPD), whether Joint Venture or individual company etc..
 - b) Capacity of the proposed solar park.
 - c) Land Area.
 - d) Nature of agreements of arrangement of land.
 - e) Location of land with respect to road connectivity of the proposed land.
 - f) Voltage Connectivity Level of substation to which power to be injected.
- (v) After issue of NOC from HAREDA for development of solar park, the SPPD may apply for feasibility for connectivity to HVPNL by paying the required fee/charges as prescribed by HVPNL.
- (vi) The minimum capacity of such solar park will be 50 MW.
- (vii) Agreement to lease or agreement to sale or registered agreement to lease or registered agreement to sale or lease deed or sale deed for minimum 100% of the land required is to be submitted by SPPD with the application. However, if the applicant has submitted agreement to lease or agreement to sale, the same should be notarized and should have the details of the amount paid to the land owner(s), which should be @ minimum Rs. 1000/- per acre (as token money) supported with bank statement of SPPD/ written proof of payments to the land owner(s). Already approved solar parks are not required to submit these documents.
- (viii) Land requirement shall be minimum 4 acre per MW. However, any SPPD who intends to develop the solar park in less than 4 acre/MW, then the SPPD shall have to provide technological details proving the lesser requirement of land per MW which may be evaluated by HAREDA.
- (ix) Generally, the cost of development of a solar park of 50 MW shall be taken as Rs. 10 Crore. However, it depends upon the location, condition of the land, condition of soil, water availability etc., so if any developer claims the development with less than Rs. 10 Crore, then CE (MNRE/BEE approved) verification shall be considered.

