

# NOTICE OF A PROPOSAL BY FIDAL ASIATTORNEYS TO ENGAGE IN A RENEWABLE ENERGY PROJECT

#### SUMMARY:

FIDAL ASIATTORNEYS is a law firm with an official mission to assist the Investment Promotion Center for Central Vietnam (IPCC) in promoting investments and economic development of Central and High Lands Vietnam. This project is being proposed in accordance with the Cooperation Agreement signed between Fidal Asiattorneys and the IPC on October 14, 2017 and is being circulated on a limited distribution basis only to ensure confidentiality of certain proprietary, legally privileged or commercially sensitive information on the project.

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#### I. BACKGROUND AND JUSTIFICATION OF THE PROJECT.

- a. Project title: TIEN HANH SOLAR ENERGY DAK LAK III ("The Project")
- b. Project Type: Solar
- c. Project Size: If approved, this facility would have a total maximum name plate capacity of aprox. 500 MW. The project can be divided into many phases and different capacity as per investor requirements. Our recommendation is to begin with a 50MW Solar Power Project.
- d. Name of Executing entities: Tien Hanh Corporation ( the "Owner") GFC Investment (the "Agent")
- e. Access modality: International.
- f. Project Beneficiaries: Companies engage in the construction and development of solar power plants. ("The Investor")
- g. Project location: The project is located in Ea sup commune, Dak Lak province, Vietnam. It is 1.000 HA of land-cleared forest and mortgage-free.
- h. State of progress:
  - The Owner has access and rights to use the land (to be converted into industrial land) required for construction and operation of the Project.
  - The project is located in an area included in the Renewal Energy Master Plan.



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#### i. Time table:

- Starting licensing process: February or March 2018 at the latest.
- · Starting construction: July 2018.
- Starting operation: June 2019.

#### II. SEQUENCE OF THE ADMINISTRATIVE PROCESS (Special process and faster approval)

#### II.A. Licensing process:

The Executing Entities will advise and accompany the Investor through all phases of the licensing and investment process summarized as follow:

#### Phase 1: Pre-investment Stage

- 1. Apply for In-Principal Approval from the People's Committee of Dak Lak for conducting survey and implementing the Project;
- 2. Conduct site study and gather data and measurements;
- 3. Prepare pre-feasibility study and report to the People's Committee of Dak Lak;
- 4. Apply for inclusion of the project in the National or Provincial Power Development Plan (if it has not been included) usually projects over 50MW must be approved by the Prime Minister.

#### Phase 2: Investment and Enterprise Registration

- Obtain investment decision which is roughly equivalent to a permit to develop the Project. The
  Department of Plan and Investment (DPI) of the province shall submit the document to Provincial PC
  or MPI depending on project scale Investment;
- 6. Once a positive Decision on investment is received, lodge a guarantee amount on the Public Treasury account to ensure the implementation of the Project;
- 7. Establish the Project Company by obtaining Investment and Enterprise Registration Certificate;
- 8. Preliminary PPA acceptance (general PPA)

#### Phase 3: Investment and Construction

- Transfer land use from agricultural production to solar panel electrical production (industrial land)
- 10. Prepare feasibility study and designs
- 11. Evaluation of the basic design/ feasibility study
- 12. Evaluation of the technical design
- 13. Obtain construction permit (including other approvals)
- 14. Carry out construction works
- 15. Obtain fire prevention and firefighting certificate
- 16. Obtain environmental impact certificate
- 17. Obtain works completion certificate
- 18. Undertaking for commissioning

#### Phase 4: Signature of relevant operational Agreements and obtaining required operational license.

- 18. EVN's agreement in principle to purchase power
- 19. Grid connection agreement



- 20. Metering agreement
- 21. SCADA/EMS (or SCADA/ DMS) agreement;
- 22. Protective relay agreement;
- 23. Power Purchase Agreement with EVN (detailed PPA)
- 24. Obtain electricity generation license (for the power plant);
- 25. Commissioning and testing;
- 26. Obtain operating license (for employees holding certain operating positions);

#### II.B. Budget to support licensing process:

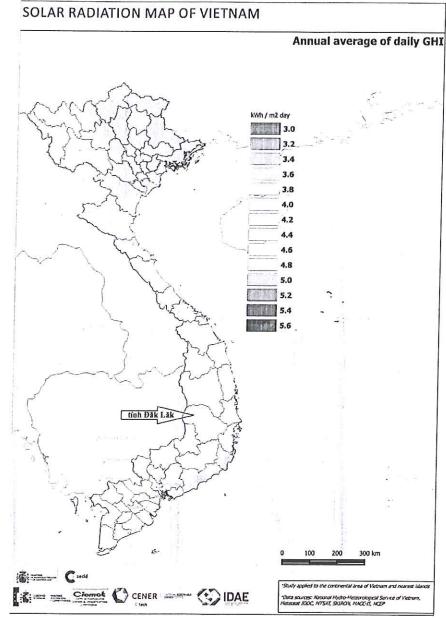
For the administrative steps involved in the licensing process described above and follow up with the authorities, the Executing Entities will request the Investor a guarantee (To be discussed in detail.)

#### IV. PROJECT CONTACTS AND INFORMATION:

To learn more about the project proposal or to communicate concerns please refer to the contact information below:

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Hình 1.1: Bản đồ phân bố bức xạ mặt trời tỉnh Đắk Lắk so với cả nước

Theo số liệu thu thập của Trung tâm kỹ thuật môi trường, số liệu về năng lượng mặt trời tại tỉnh Đắk Lắk như sau:

Bảng 1.1: Trung bình nhiều năm số giờ nắng tháng và năm tại trạm khí tượng Buôn Ma Thuột

Tháng	I	II	Ш	IV	V	VI	VII	VIII	IX	X	XI	XII	Năm
Buôn Ma Thuột	250	247	273	252	225	183	181	162	155	167	173	194	2.462

Hình 1.4: Bản đồ bức xạ khu vực dự án Tiểu Khu 134 và 138 xã Ia JaLơi

Site	Site EA Sup, Dak Lak (Vietnam)					Site EA Sup. Dak Lak (Vietnam)				
Data source	Meteonorm	7.1 (1992-20	115), Sat=100	%	Data source	Meteonorm 7.1 (1392-2015), Sat=100%				
	Global Irrad. Diffuse kWh/m².day kWh/m².day		Temper.	Wind Vel.		Global Irrad. Diffuse kWh/m².mth kWh/m².mth		Temper.	Wind Vel.	
January	5.06	2.05	22.2	2.40	January	157.0	63.4	22.2	2.40	
February	5.58	2.09	23.0	2.20	February	156.2	58.4	23.0	2 20	
March	5.75	2.33	24.9	1.79	March	178.4	72.1	24.9	1 79	
April	5.63	2.64	26.7	1.30	April	168.8	79.3	26.7	1.30	
May	5.61	2.53	28.0	1.11	May	173.8	79.4	28.0	1.11	
June	5.27	294	28.3	1.10	June	158.1	88.2	28.3	1.10	
July	5.43	2.60	28.6	1.10	July	163.2	80.6	28.6	1.10	
August	4.92	2.78	28.2	1.19	August	152.4	86.2	28.2	1.13	
September	4.58	2.03	26.6	1.00	September	137.5	60.8	26.6	1.00	
October	4.50	2.53	25.5	1.51	October	139.4	78.5	25.5	1.51	
November	4.08	2.19	23.9	1.90	November	122.3	65.7	23.9	1.30	
December	4.25	1.90	23.0	2.20	December	131.6	59.0	23.0	2.20	
Year	5.05	2.39	25.7	1.6	Year	1843.7	870.6	25.7	1.6	

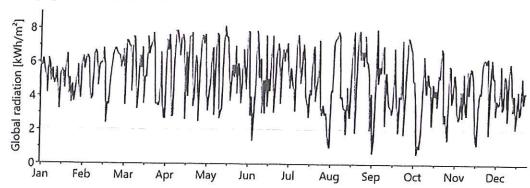
Nguồn: Phần mềm Meteonorm 7.1

### Daily global radiation

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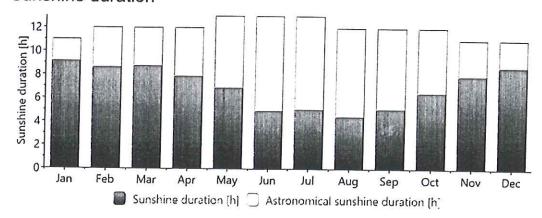
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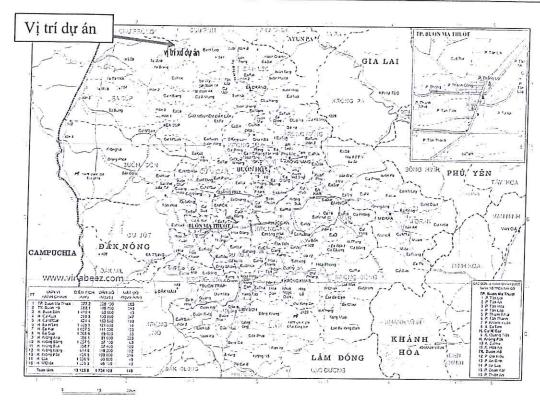


Hình 1.5: Bức xạ mặt trời hàng ngày tại khu vực dự án

## Sunshine duration



Hình 1.6: Số giờ nắng trung bình tháng tại khu vực dự án



Hình 2.1: Vị trí dự án trên bản đồ hành chính tỉnh



Hình 2.2: Bản đồ vị trí dự án trên google earth

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Hình 2.7: Hiện trạng bên trong vùng dự án



Hình 2.7: Hiện trạng bên trong vùng dự án