

環境チェックレポート

- (1) プロジェクト名  
太陽光発電プロジェクト
- (2) 実施場所  
メキシコ合衆国／ドゥランゴ州
- (3) プロジェクト概要  
太陽光発電施設の建設
- (4) カテゴリ分類  
カテゴリ B
- (5) カテゴリ分類の根拠  
本事業は、環境ガイドラインに掲げる影響を及ぼしやすいセクターに該当せず、影響を及ぼしやすい特性を持たず、また影響を受けやすい地域あるいはその近傍に立地せず、環境社会への望ましくない影響は重大でないと判断されるため。
- (6) 環境許認可  
メキシコ国制度に基づき ESIA が作成され、2017年5月4日に同国エネルギー省より、2018年1月12日、2018年5月16日及び2018年7月27日に同国環境天然資源省より許認可を取得済である。
- (7) 汚染対策  
大気汚染物質は発生せず、水質、廃棄物及び土壌汚染についても特段の懸念は予見されない。建設工事中の騒音等についても適切な対策が講じられている旨、確認している。
- (8) 自然環境面  
自然環境面に関して、重大な影響は懸念されず、かつ適切な対策が講じられる旨、確認している。
- (9) 社会配慮面  
地域住民の生活・生計に関して特段の懸念はない。また、本プロジェクト

トにより非自発的住民移転は発生しない。

- (10) 適用国際基準  
IFC パフォーマンススタンダード
- (11) その他・モニタリング  
特段のモニタリング事項なし。

以 上

the "Cofinancing Institutions"), whether or not any confidentiality agreement has been entered into by and between JBIC and the Borrower, etc. JBIC provides the Environmental Information to the Cofinancing Institutions for their conducting the confirmation of environmental and social consideration with respect to the project. In providing the Environmental Information, JBIC requires the Cofinancing Institutions (i) not to use the Environmental Information for any purpose other than the internal confirmation of environmental and social consideration with respect to the project, and (ii) not to disclose the Environmental Information to any third party.

2. Please note that this Screening Form or the contents thereof may be made public.
3. If all or part of descriptions of this Screening Form turn out to be false, JBIC may, in accordance with the loan agreement, suspend the disbursement or declare all the principal outstanding at the time, with interest and any other charges thereon, to be payable immediately as stated in the clause of 6. Taking Environmental Reviews into Account for Decision-making and Loan Agreements in Part 1 of Japan Bank For International Cooperation Guidelines For Confirmation Of Environmental And Social Considerations.
4. In cases where export loans or local buyer's credit are provided, this Screening Form or the contents thereof may be offered to Nippon Export and Investment Insurance(hereinafter referred to as the "NEXI"). When any description in this Screening Form has been found false or insufficient due to intent or negligence, NEXI may refuse to pay part or all of the insurance claims or make them refund part or all of the insurance claims, or cancel the relevant insurance contract, based on the insurance contract.

## Questions

**Q1.** Please provide the address of the project site.

Address of the project site : \_\_\_\_\_

**Projecto site is:** State of Durango

**Q2.** Please provide brief explanation of the project.

Six PV solar plants (three of them named Versalles de las Cuatas I, 2 and 3 and the other three named Las Animas II) with a join capacity of 112 MW located in the Municipality of Durango in the State of Durango. The electricity will be sold to the Wholesale Electric Market at the node price since there are not PPA.

**Q3.** Will JBIC loan be applied to a new project or an executing project? In case of an executing project, please inform of strong claims by stakeholders such as local residents, as well as improvement guidance or cessation orders for construction work / operations, from environmental authorities.

- |                                                                 |                                                              |
|-----------------------------------------------------------------|--------------------------------------------------------------|
| <input checked="" type="checkbox"/> New Project                 | <input type="checkbox"/> Executing Project (with Claim etc.) |
| <input type="checkbox"/> Executing Project (without Claim etc.) | <input type="checkbox"/> Others (Credit line )               |

**Q4.** In case of this project, is it necessary to execute Environmental and Social Impact Assessment (ESIA) based on the laws or regulations of the country where the project is to be implemented? If necessary, please inform the progress of ESIA.

- |                                                |                                                                                  |
|------------------------------------------------|----------------------------------------------------------------------------------|
| <input type="checkbox"/> Required (completed ) | <input checked="" type="checkbox"/> Required (under execution or under planning) |
| <input type="checkbox"/> Not Required          | <input type="checkbox"/> Others (Credit line)                                    |

**Q5.** In case that ESIA is already completed, please inform whether ESIA report is already approved based on the environmental and social assessment system of the country where the project is to be implemented or not. If ESIA report is already approved, please provide the date and name of authorities of the approval.

- |                                                       |                                                            |
|-------------------------------------------------------|------------------------------------------------------------|
| <input type="checkbox"/> Approved (without condition) | <input checked="" type="checkbox"/> Approved (conditional) |
| <input type="checkbox"/> Under approval process       | <input type="checkbox"/> Others (Credit line)              |

Date of Approval : \_\_\_\_\_ For Versalles de las Cuatas projects ESIA was approved on april 20<sup>th</sup> 2018; for Versalles de las Cuatas II projects ESIA was not required since they are Legacy Projects (they obtained their permits prior to the current electricity regulation).

Name of Authorities : \_\_\_\_\_ SENER



**Q6.** If environmental and social permit(s) other than ESIA is required, please provide the name of required permit(s). Have you obtained required permit(s)?

- Obtained  Required, but not obtained yet  
 Not required  Others (Credit line)

Name(s) of required permit(s) : Environmental Impact Assessment for Versalles de las Cuatas projects and Las Animas II projects.

**Q7.** Will the loan be used for the undertaking that cannot specify the project at this stage (e.g. export or lease of machinery that has no relation with specific project, or Two Step Loan that cannot specify the project at the time of loan agreement)?

(Yes /  No)

If you answered "Yes", it is not necessary to reply to the following questions.  
If you answered "No", please reply to the following questions.

**Q8.** Are there any environmentally sensitive area(s) shown below in and around project site(s)?

(Yes /  No)

If you answered "Yes", please select applicable items by marking, and reply to the following questions.  
If you answered "No", please reply to the questions 9 and after.

- (1) National parks, nationally-designated protected areas (coastal areas, wetlands, areas for ethnic minorities or indigenous people, and cultural heritage, etc. designated by national governments)
- (2) Forests with important ecological value (including primary forests and natural forests in tropical areas)
- (3) Habitats with important ecological value (including coral reefs, mangrove, wetland and tidal flats.)
- (4) Habitats of rare species requiring protection under domestic legislation, international treaties, etc.
- (5) Areas in danger of large-scale salt accumulation or soil erosion
- (6) Areas with a remarkable tendency towards desertification
- (7) Areas with unique archaeological, historical or cultural value
- (8) Areas inhabited by ethnic minorities, indigenous peoples or nomadic peoples with traditional ways of life (including areas which are used for cultural or spiritual purposes) and other areas with special social value.

**Q9.** Does the project involve following characteristics?

(Yes /  No)

If you answered "Yes", please describe the scale of applicable characteristics, and reply to the questions 10 and after.

If you answered "No", please reply to the questions 11 and after.

- (1) Involuntary resettlement and/or loss of means of livelihood  
(Number of affected people: \_\_\_\_\_ )
- (2) Pumping of groundwater (Scale: \_\_\_\_\_ m<sup>3</sup>/year)

- (3) Land reclamation, development and/or clearing (Scale: \_\_\_\_\_ ha)
- (4) Deforestation (Scale: \_\_\_\_\_ ha)

**Q10.** Under the environmental and social impact assessment system of the country where the project is to be implemented, do the applicable characteristics from (1) – (4) of the questions 9 above and their scale serve as basis for executing an ESIA for the project?

- They do  They do not
- Others (Please specify \_\_\_\_\_)

**Q11** May the project involve significant social impacts?

(Yes /  No)

If you answered “Yes”, please describe the outline of the impacts, and reply to the questions 12 and after.  
If you answered “No”, please reply to the questions 12 and after.

- The likelihood of severe project-related human rights impacts ( \_\_\_\_\_ )
- Others ( \_\_\_\_\_ )

**Q12.** Will JBIC share in the project be equal or less than 5% of the total project cost, or the total amount of JBIC loan equal or less than SDR 10 million? (In the case of additional support for a past project, this shall be the accumulated total amount).

(Yes /  No)

If you answered “Yes”, it is not necessary to reply to the following questions.  
If you answered “No”, please reply to the questions 13 and after.

**Q13.** Does the project belong to either of the sectors that impact on the environment and society is deemed immaterial or is not anticipated under normal conditions (e.g. maintenance of the existing facilities, non-expansionary renovation project, and acquisition of rights and interests without additional capital investment)?

(Yes /  No)

If you answered “Yes”, it is not necessary to reply to the following questions.  
If you answered “No”, please reply to the questions 14 and after.

**Q14.** Does the project belong to the following sectors?

(Yes /  No)

If you answered “Yes”, please specify the sector by marking, and reply to the questions 15 and after.  
If you answered “No”, it is not necessary to reply to the following questions.

- (1) Mining
- (2) Oil and natural gas development
- (3) Pipelines
- (4) Iron and steel (projects that include large furnaces)
- (5) Non-ferrous metals smelting and refining
- (6) Petrochemicals (manufacture of raw materials; including complexes)
- (7) Petroleum refining
- (8) Oil, gas and chemical terminals



- (9) Paper and pulp
- (10) Cement plants (including a greenfield quarry)
- (11) Manufacture and transport of toxic or poisonous substances regulated by international treaties, etc.
- (12) Thermal power
- (13) Nuclear power
- (14) Hydropower, dams and reservoirs
- (15) Power transmission and distribution lines involving large-scale involuntary resettlement, large-scale logging or submarine electrical cables
- (16) Roads, railways and bridges
- (17) Airports
- (18) Ports and harbors
- (19) Sewage and wastewater treatment having sensitive characteristics or located in sensitive areas or their vicinity
- (20) Waste management and disposal
- (21) Agriculture involving large-scale land-clearing or irrigation
- (22) Forestry
- (23) Tourism (construction of hotels, etc.)

**Q15.** Please provide information on the scale of the project (project area, area of plants and buildings, production capacity, amounts of power generation, etc.) Further, please explain whether an execution of ESIA is required on account of the large scale of the project in the country where the project is implemented.

