2024年7月5日
株式会社 日本貿易保険

環境レビュー結果

(1)　照会番号
23-023

(2)　プロジェクト名
ガスタービンコンバインドサイクル発電所

(3)　実施場所
メキシコ　サン・ルイス・ポトシ州

(4)　プロジェクト概要
ガスタービンコンバインドサイクル発電所の建設

(5)　カテゴリ分類
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(6)　カテゴリ分類の根拠
本件は、環境ガイドラインに示される大規模な火力発電セクターに該当するため。

(7)　環境許認可
同国の法令に基づき環境影響評価報告書及び社会影響評価報告書が作成されており、それぞれ環境天然資源省から2016年2月、エネルギー省から2022年2月に付帯条件付きで許認可を取得済みである。

(8)　汚染対策
既存プロジェクトサイト内で土壌汚染が確認されたが、浄化が実施された。その他大気質、水質、廃棄物及び騒音・振動等に対し、適切な汚染対策が講じられる。

(9)　自然環境面
本プロジェクトは既存発電所サイト内で実施され、土地利用の変更や、新たな道路の建設は無く、汚染物質排出のより少ない設備に転換されるため、自然環境面への特段の影響は想定されない。

(10)　社会配慮面

既存サイト内における建設であるため、用地取得を伴わず、その他社会面の影響に対しても適切な対策が講じられる。

(11) 適用国際基準
IFC パフォーマンススタンダード

(12) その他（モニタリング等）
大気、水質、廃棄物等に関するモニタリングが実施され、当局に報告される。

以上

Questions

Q1. Please provide the address of the project site.

The project is a Combined Cycle Power Plant (CCC San Luis Potosí), it will be located on a portion of the land currently occupied by the Villa de Reyes Thermoelectric Power Plant (Villa de Reyes CT) located 24 km south of the city of San Luis Potosí.

Q2. Please provide a brief explanation of the project.

Located in Villa de Reyes, San Luis Potosí. The San Luis Potosí project consists of a combined cycle power plant with a net installed capacity of 437.17 MW (± 10%).

Q3. Is it a new project to be implemented or a project that has been implemented? If it has been implemented, has it received a serious complaint from local residents or a directive for improvement, a stop-work order, a project suspension order, etc., from a local environmental authority?

X New project to be implemented
☐ Project that has been implemented (with a complaint)
☐ Project that has been implemented (without a complaint)
☐ Other ( )

Q4. Do the laws or regulations of the country where the project will be implemented require the project to conduct environmental and/or social impact assessments (such as an Environmental and Social Impact Assessment (ESIA) and Environmental Impact Assessment (EIA))? If so, have they been conducted or planned?

X Required (Assessments done)
☐ Not Required
☐ Required (Assessments in progress or being planned)
☐ Other ( )

Q5. If environmental and/or social impact assessments have been conducted, have they been approved in accordance with the environmental and social impact assessment system of the country where the project will be implemented? If so, please also specify the date of the approvals and the name of the authorities.

☐ Approved (without condition(s))
☐ Under approval process
X Approved (with condition(s))
☐ Other ( )

Date of Approvals : MIA (Environmental Assessment) : February 3rd, 2022. EVIS (Social Assessment): February 21st, 2022

Name of Authorities : SEMARNAT (Secretaría del Medio Ambiente y Recursos Naturales) and SENER (Secretaria de Energía)

Q6. Are there any environmental permits required other than environmental and/or social impact assessments? If so, have they been obtained? Also, if required, please specify the name of the permits.

☐ Obtained
X Not required
☐ Required, but not obtained yet
☐ Other ( )

Name(s) of required permit(s) : ____

Q7. Will the project be specified after JBIC made a funding commitment (as in the case of a two-step loan, where sub-projects cannot be specified at the time of a funding commitment)?

(No)

If "Yes", please disregard the following questions.
If "No", please go to Q8.

Q8. Will JBIC's funding be used to serve as support for international balance of payments or to be used for the provision of goods or services that does not involve installation or implementation in particular sites or regions, as in the case of export/import or lease of machinery or equipment that is not connected with a particular project?

(No)

If "Yes", please disregard the following questions.
If "No", please go to Q9.

Q9. Are there any environmentally sensitive area(s) shown below in or near the project site(s)?

(No)

If "Yes", please mark the applicable items and go to Q10.
If "No", please go to Q10.

☐ (1) National parks, nationally-designated protected areas (coastal areas, wetlands, areas for ethnic minorities or indigenous peoples, 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 wetlands, 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 and spiritual purposes) and other areas with special social value

Q10. Does the project involve the following characteristics?

(No)

If "Yes", please specify their scale and go to Q11.
If "No", please go to Q12.

☐ (1) Involuntary resettlement or loss of means of livelihood
(Number of affected people:)
☐ (2) Groundwater pumping (Scale: m^3/year)
☐ (3) Land reclamation, land development, and land clearing (Scale: ha)
☐ (4) Logging (Scale: ha)

Q11. Under the environmental and social impact assessment system of the country where the project will be implemented, do the applicable characteristics (1) – (4) of Q10 above and their scale serve as the basis for executing an ESIA for the project?

☐ Yes, they do ☐ No, they do not
☐ Other ( )

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Q12. Is the project likely to have a significant social impact, including human rights?

(No)

If "Yes", please describe the impacts and go to Q13.
If "No", please go to Q13.

- ☐ Likelihood of a significant impact on human rights ( )
- ☐ Other ( )

Q13. Will JBIC's funding or NEXI's insurable value be equal to or less than 5% of the total project cost, or will JBIC's funding or NEXI's insurable value be equal to or less than SDR 10 million? (If the funding or insurable value is additional to a project that has been supported by JBIC or NEXI, please add up the previous funding or insurable value and the funding or insurable value being considered to apply for this time.)

(No)

If "Yes", please disregard the following questions.
If "No", please go to Q14.

Q14. Is the project for capital investment or working capital in a project that has been implemented and does it involve no material change in output or function (as in the case of maintenance of the existing facilities, non-expansionary renovation project, and acquisition of rights and interests without additional capital investment)?

(No)

If "Yes", please disregard the following questions.
If "No", please go to Q15.

Q15. Is the project in any of the following sectors?

(Yes)

If "Yes", mark the applicable sectors and go to Q16.
If "No", please disregard the following question.

- ☐ (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.
- X (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.)

Q16. Please provide information on the scale of the project (project area, area of plants and buildings, production capacity, amounts of power generation, etc.). In addition, pleased explain whether an environmental and/or social impact assessment is required on account of the large scale of the project in the country where the project will be implemented.

Project area:

The required surface will be 83.4 hectares of which 26.7 will be destined for the installation of the project. Likewise, 56.5 ha are the facilities of the current Villa de Reyes Thermoelectric Power Plant with a permanent occupation mode since offices, equipment, and power generation facilities are located there.

Production capacity: 437.17 MW will be generated using natural gas as the main fuel and diesel for emergencies.

ESIA process

The MIA report has already been submitted to SEMARNAT and approved.