

環境チェックレポート

(1) プロジェクト名

港湾クレーン輸出プロジェクト

(2) 実施場所

エクアドル共和国、エル・オロ県

(3) プロジェクト概要

港湾クレーンの輸出・販売

(4) カテゴリ分類

カテゴリ「A」

(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（港湾セクター）に該当し、環境ガイドラインに掲げる影響を及ぼしやすい特性を持ち、環境ガイドラインに掲げる影響を受けやすい地域あるいはその近傍に立地するため。

(6) 環境許認可

エクアドル共和国制度に基づき EIA（環境影響評価報告書）が作成され、建設・操業については 2018 年 4 月 3 日に同国エル・オロ県自治分権州政府より付帯条件付きで承認を取得済みであり、浚渫については 2022 年 12 月 5 日に同国環境・水・生態系移行省より付帯条件付きで承認を取得済みである。

(7) 汚染対策

大気質、水質、廃棄物、土壌汚染及び騒音・振動に対して、適切な措置

が講じられている旨、確認されている

(8) 自然環境面

自然環境面の影響に対して、適切な対策が講じられている旨、確認されている。

(9) 社会配慮面

本プロジェクトでは、関係船舶を除き港湾施設から一定距離への侵入が禁止されているため、事業者は、経済的な影響が想定される漁業関係者に対し補償を行うための生計手段回復計画を策定する予定。

(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

上述の環境レビューを踏まえ、EIA 許認可に係る付帯条件の遵守状況、生計手段回復計画の策定状況、モニタリング結果に関する現地当局からの改善点等の指摘及びそれらへの対応状況についてモニタリングを行う予定である。

以 上

Questions

Q1. Please provide the address of the project site.

Address of the project site : Bolivar Madero Vargas Ave., Puerto Bolívar Port Terminal, city of Machala, Province of El Oro, Ecuador.

Q2. Please provide a brief explanation of the project

Crane installation in The Phase I of Puerto Bolivar Port Terminal Expansion Project

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?

- ☐ New project to be implemented
☐ Project that has been implemented (with a complaint)
☒ Project that has been implemented (without a complaint)
☐ Other (Project under implementation (without a complaint))

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?

- ☒ Required (Assessments done) ☐ Required (Assessments in progress or being planned)
☐ Not Required ☐ 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)) ☐ Approved (with condition(s))
☐ Under approval process ☐ Other ()

Date of Approvals : _____

Name of Authorities : MINISTERIO DEL AMBIENTE, AGUA Y TRANSICIÓN ECOLÓGICA
[Environmental local Authority]

Coverage	Document No.	Date of approval
Construction & Operation of Port Infrastructure	MAE-RA-2017-309603	December 5, 2022
Dredging Project	RESOLUCIÓN NO. 11-2022	April 03, 2018
Berth No. 6 Construction	MAE-SUIA-RA-DPAEO-2019-215758	December 16, 2019
Complementary Works for Berth No. 6	MAAE-SUIA-RA-DZDL-2022-157	February 15, 2022

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 ☐ Required, but not obtained yet
☒ Not required ☐ 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)?

Yes

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?

Yes

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: Not yet determined)
- ☐ (2) Groundwater pumping (Scale: m³/year)
- ☒ (3) Land reclamation, land development, and land clearing.
Dredging Access Channel and Turning Basin = 212ha aprox. and Berth #6 = 5ha. Aprox.
- ☐ (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 (Environmental local regulation enforces about [only (3)], EIA aspects)

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-expansory 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.
- ☐ (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, please 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.

The Phase I of Puerto Bolivar Port Terminal Expansion Project is designed to strengthen current operating capacity by acquiring new equipment, developing a new Berth with a 450m length, denominated Berth #6, container yards and substantial dredging works.

The investment will expand the port containerization capacity from 120,000 TEU to 600,000 TEU annually and will modernize infrastructure and implement technology for a more efficient operation.

The main components of this phase are as follows:

- **Infrastructure**
 - **Berth and maritime areas**
 - 450 m of berth with a draft up to -16.5 m MLWS.
 - access channel and maneuvering areas will be dredged initially to -14.5m MLWS and later on to reach -16.5 m MLWS.
 - **Storage yards**
 - Development of 12.2 Hectares new container yards: Yards prepared for containers with several blocks for RTG cranes, access roads, lashing pit and RTG wash.
 - Construction of a Cold Storage Warehouse (CSW) facility for bananas and other perishables. It will have a capacity of 22,000 m2.
 - **New Access Gate facilities**
- **Equipment**
 - 04 Mobile Harbor Cranes (MHC)
 - 06 Ship to Shore (STS) cranes
 - 18 Rubber Tired Gantry (RTG) cranes
 - 02 Reach Stackers
 - 02 Empty Handlers
 - Complementary equipment

The Investment project required an Environmental Impact Assessment according to the local regulations and Environmental License were obtained as described in Q5.