環境レビュー結果

(1)　照会番号
18-031

(2)　プロジェクト名
選鉱プラント拡張

(3)　実施場所
ブラジル　ミナス・ジェライス州

(4)　プロジェクト概要
選鉱プラントの拡張

(5)　カテゴリ分類
カテゴリ B

(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鉱山セクターに該当せず、環境ガイドラインに掲げる環境影響を及ぼしやすい特性、環境影響を受けやすい地域あるいはその近傍への立地をともなわず、人権への重大な影響を及ぼす可能性はなく、環境への負の影響が重大でないと判断されるため。

(7)　環境許認可
同国の法令に基づき環境影響評価報告書が作成され、2018 年 3 月に環境当局より条件付きで承認されており、また関連する許認可の更新手続きも取られている。

(8)　汚染対策
大気質や水質、廃棄物、騒音、地盤沈下等に対して適切な対策が講じられていることが確認されている。

(9)　自然環境面
自然環境保護を目的とした保護区域や重要生息地はなく、対策が講じられており、特段懸念は想定されない。

（10）　社会配慮面
　　　非自発的住民移転や用地取得は生じない。社会環境に対する適切な対策
　　　がなされており、特段懸念は想定されない。

（11）　適用国際基準
　　　IFC Performance Standards

（12）　その他（モニタリング等）
　　　環境管理計画やモニタリング計画が作成されており、モニタリング結果
　　　は定期的に同国環境当局に報告されている。

<div align="right">以上</div>

Questions

Q1. Please provide the address of the project site.

Address of the project site: Estrada Casa de Pedra, s/n, Municipality of Congonhas, 36415/000 - rural zone

Q2. Please provide brief explanation of the project.

Central Plant Expansion comprises a debottlenecking of 21 Mtpy beneficiation plant. Furthermore, in order to drive a set of modifications of the current beneficiation plant, to absorb lower iron content on ore coming from the pit (ROM), which will enable maintaining current production levels and concurrently adding capacity for up to 30 MTPY.
Investments will include transportation system, product loading station, stockyard improvements, new cycloning, flotation and filtration, overhauling pumping systems and conveyer belts systems.

Q3. Will NEXI insurance 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.

☐ New Project ☐ Executing Project (with Claim etc.)
☒ Executing Project (without Claim etc.) ☐ Others (Please specify   )

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.

☒ Required (Completed) ☐ Required (Under execution or under planning)
☐ Not Required ☐ Others (Depends on project

The applicable ESIA is from May 2003, which is still valid.)

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.

☐ Approved (without condition) ☒ Approved (conditional)
☒ Under approval process ☐ Others   (   )

Date of Approval: _____
Name of Authorities: COLAM (Conselho Estadual de Politica Ambiental), Estado de Minas Gerais

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 (   )

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

Q7. Will the insurance 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)?

(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)

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 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 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)

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: 708m3/hour m^3 /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 and their scale serve as basis for executing an ESIA for the project?

☒ They do   ☐ They do not
☐ Others (Please specify   )

Q11. Will the value insured by NEXI in the export, loan or investment project be equal or less than 5% of the total project cost, or equal or less than SDR 10 million? (In the case of additional support for a past project, this shall be the accumulated total amount)

(No)

If you answered "Yes", it is not necessary to reply to the following questions.
If you answered "No", please reply to the questions 12 and after.

Q12. 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)?

(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 the following sectors?

(Yes)

If you answered "Yes", please specify the sector by marking, and reply to the questions 14 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) Manufacturing and transport of toxic or poisonous substances regulated by international treaties, etc.
- ☐ (12) Thermal power
- ☐ (13) Nuclear power
- ☐ (14) Hydro power, 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 hotel, etc.)

Q14. Please provide information on the scale of the project (project area, area of plants and buildings, production capacity, amounts of power generation, etc.) Further, pleased explain whether an execution of EISA is required on account of the large scale of the project in the country where the project is implemented.

The project is located at Municipality of Congonhas and Belo Vale, State of Minas Gerais. The current beneficiation plant capacity is 21Mtpa, and there is an ongoing expansion work to achieve as much as 30 Mtpa. The ESIA issued in May 2003 is still valid, and will remain valid for all planned modifications on the beneficiation plant and associated support facilities. Further detail on applicable permits is available as per attached.