

環境チェックレポート

- (1) プロジェクト名
製鉄所拡張プロジェクト
- (2) 実施場所
インド マハラシュトラ州
- (3) プロジェクト概要
製鉄所の生産能力増強
- (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（鉄鋼業セクター）に該当するため。
- (6) 環境許認可
同国制度に基づき ESIA が作成され、2015年8月25日に環境・森林・気候変動省より承認を取得済である。
- (7) 汚染対策
大気質、水質、廃棄物、騒音・振動の計画値等について、適切な対策が講じられている旨、確認されている。
- (8) 自然環境面
自然環境面への影響に対して、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
本事業実施に伴い、用地取得が発生しているが、適切な対策が講じられている旨、確認されている。
- (10) 適用国際基準
世界銀行・セーフガードポリシー

(1 1) その他・モニタリング

上述の環境レビューを踏まえ、プロジェクトの然るべき時期において、操業許可の取得状況及び取水許可の取得状況を確認すると共に、一定期間、ESIA 報告書の許認可に係る付帯条件の遵守状況、2 年毎に更新する操業許可の更新状況、用地取得状況及び棧橋拡張に伴う漁民への補償の要否及び補償が必要とされた場合の事業者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 : _____

Maharashtra, India

Q2. Please provide brief explanation of the project.

Blast Furnace plant with capacity 4.5 MTPA, to produce Liquid Metal / Pig Iron, and associated downstream facilities.

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.

- 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 Impact Assessment (EIA) based on the laws or regulations of the country where the project is to be implemented? If necessary, please inform the progress of EIA.

- Required (completed) Required (under execution or under planning)
 Not Required Others (Please specify))

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

- Approved (without condition) Approved (conditional)
 Under approval process Others (Please specify))

Date of Approval : _____

Name of Authorities : _____

Q6. If environmental permit(s) other than EIA 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 (Please specify))

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

**Consent to Establish from Maharashtra Pollution Control Board
Environmental Clearance from Ministry of Environment & Forests.**

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)?

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 shown below in and around project site?

No

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

- (1) National parks, protected areas designated by government (coastal areas, wetlands, habitats of minorities or indigenous populations, heritage sites, etc.)
- (2) Primeval forests, tropical natural forests
- (3) Ecologically important habitats (coral reefs, mangrove, tidal flats, etc.)
- (4) Habitats of endangered species of which protection is required under local laws and international agreements.
- (5) Areas that have risks of large scale increase in soil salinity or soil erosion
- (6) Desertification areas
- (7) Areas with special values from archaeological, historical and/or cultural viewpoints
- (8) Habitats of minorities, indigenous populations, nomadic people with traditional life style, or areas with special social value

Q9. Does the project involve following characteristics?

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 questions 11 and after.

- (1) Involuntary resettlement (Number of resettlers: _____)
- (2) Pumping of groundwater (Scale: _____ m³/year)
- (3) Land reclamation, development and/or clearing (Scale: _____ ha)
- (4) Deforestation (Scale: _____ ha)

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

- They do They do not
- Others (Please specify _____)

Q11. 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)

No

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

Q12. Does the project belong to either of the sectors that impact on the environment is deemed immaterial or is not anticipated under normal conditions (e.g. maintenance of the existing facilities, non-expansive renovation project, acquisition of rights and interests without additional capital investment)?

No

If you answered "Yes", it is not necessary to reply to 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 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) Manufacture and transport of toxic or poisonous substances regulated by international treaties, etc.
- (11) Thermal power
- (12) Nuclear power
- (13) Hydropower, dams and reservoirs
- (14) Power transmission and distribution lines involving large-scale involuntary resettlement, large-scale logging or submarine electrical cables
- (15) Roads, railways and bridges
- (16) Airports
- (17) Ports and harbors
- (18) Sewage and wastewater treatment having sensitive characteristics or located in sensitive areas or their vicinity
- (19) Waste management and disposal
- (20) Agriculture involving large-scale land-clearing or irrigation
- (21) Forestry
- (22) Tourism (construction of hotels, 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, please explain whether an execution of EIA is required on account of the large scale of the project in the country where the project is implemented.

- (a) Total plot area : 40 Acres
- (b) Built up area and : 101200 Sq. Meter

(c) Details of Production:

Liquid Metal/ Pig Iron : 380310 T/Month

Granulated Slag (Byproduct): 133109 T/Month.

EIA is required as per the notification from Ministry of Environment & Forests.