

環境チェックレポート

- (1) プロジェクト名  
製鉄所拡張投資事業
- (2) 実施場所  
インド共和国クジャラート州
- (3) プロジェクト概要  
製鉄所設備の拡張投資
- (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（鉄鋼セクター）に該当するため。
- (6) 環境許認可  
本事業については、同国制度に基づき EIA 報告書が作成され、2022 年 10 月に環境・森林・気候変動省より承認を取得済みであり、森林の伐採許可等のその他の環境許認可は今後取得予定である。また、本事業と密接性のある事業（選鉱プラント及びペレットプラントの建設。以下同じ。）に係る EIA 報告書の要否は確認中である。
- (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、本事業及び密接性のある事業それぞれにおいて、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、本事業及び密接性のある事業それぞれにおいて、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  
本事業及び密接性のある事業それぞれにおいて、非自発的住民移転は発

生しない。その他社会配慮面への影響に対して、適切な対策が講じられる旨、確認されている。

(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結果を踏まえ、本事業については EIA 報告書以外の環境関連許認可の取得状況、EIA 報告書承認付帯条件の遵守状況及び現地住民等からの指摘事項等についてモニタリングを行う予定である。また、密接性のある事業については EIA 報告書の作成要否及び要の場合の承認取得状況及び現地住民等からの指摘事項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 : ArcelorMittal Nippon Steel India Limited, 27km, Surat – Hazira Road, Hazira, Surat, Gujarat, India

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

Expansion of the Integrated Steel Plant (ISP) by addition of facilities to produce additional 6.0 MTPA liquid steel and 6 MTPA finished product (hot rolled coils)

- **Coke and Iron making:** Existing BF upgradation to 3.0 MTPA, 2 X 4.0 MTPA (~4500 cu.m) Blast Furnaces, 4 additional batteries of coke oven batteries & 7.0 MTPA Sinter plants.
- **Steel Making and Casting:** Liquid steel BOF shop with 2/3 Converter Operation with twin strand slab casters: 6.0 MTPA
- **Rolling Mill:** 6.0 MTPA Hot Strip Mill with 3 Reheating Furnaces.

**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 ( )

**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 : Under Process. Tentative approval date would be end of Aug.2022.

Name of Authorities : Ministry of Environment, Forest and Climate Change (MoEF&CC), Govt of India

**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) :

1. Consent To Establish from State Pollution Control Board (SPCB) – Obtained

2. Consent To Operate from SPCB – To be obtained before commissioning of the projects, i.e. before Oct. 2025.

**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)?

(Yes/ **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?

(Yes/ **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/ **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?

(Yes/ **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<sup>3</sup>/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 ( )

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

(Yes  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.)

(Yes  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-expansive renovation project, and acquisition of rights and interests without additional capital investment)?

(Yes  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  No

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.

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Yes, Execution of ESIA is required on account of large scale of the project.