

環境チェックレポート

(1) プロジェクト名

高圧直流送電設備の建設プロジェクト

(2) 実施場所

インド共和国グジャラート州、マディヤ・プラデーシュ州及びマハラシュトラ州

(3) プロジェクト概要

高圧直流送電設備の建設

(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（送変電・配電）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、かつ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

本事業は、事業実施国の環境アセスメントの手続制度上、環境社会影響評価報告書の作成対象外であり環境社会影響評価報告書に該当する文書はない。その他の許認可のうち、一部は未取得であり、取得に向けて進行中である。

(7) 汚染対策

大気質、水質、廃棄物、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

自然環境面への影響に対して、適切な措置が講じられている旨、確認されている。

(9) 社会配慮面

本プロジェクトサイト及び周辺地域に少数民族及び先住民族は存在しない。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を踏まえ、未取得許認可の取得状況、苦情及び当局からの指摘事項の有無等につき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 :

Khavda Gujarat and Nagpur Maharashtra, India

Q2. Please provide a brief explanation of the project.

The project includes establishment of ± 800 kV, 6000 MW HVDC [LCC] terminal stations (4x1500 MW) at Khavda Pooling Station 2 (KPS2) and Nagpur along with ± 800 kV HVDC Bipole line between KPS2 (HVDC) and Nagpur (HVDC) and establishment of 765/400kV S/S at Nagpur through LILO of Wardha – Raipur 765 kV one D/c line (out of 2xD/c lines).

Q3. Is it a new project to be implemented or a project that has been implemented? If 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?

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

If "Not Required", please disregard Q5. Please go to Q6.

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.

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

Date of Approvals :
Name of Authorities :

Q6. Are there any environmental permits required other than environmental and/or social impact assessments?
If required, please specify the status and the name of the permits.

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Obtained

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Required, but not obtained yet

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Not required

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Other (

Name(s) of required permits) :

The proposed HVDC bi-pole line involves forest, wildlife, and coastal areas, and accordingly, prior approvals/permissions are being (or will be) obtained from the relevant ministries/authorities under the applicable regulations, viz., the Forest (Conservation) Amendment Act, 2023, the Wildlife (Protection) Act, 2023, and the Coastal Regulation Zone Notification, 2011, respectively

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)?

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Yes

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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?

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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)?

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Yes

No

If "Yes", please mark the applicable items and go to Q10.

If "No", please go to Q10.

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(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)

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(2) Forests with important ecological value (including primary forests and natural forests in tropical areas)

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(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. Is the project anticipated to involve the following characteristics?

☒ Yes
☐ No

If "Yes", please specify their scale.

If "No", please go to Q12.

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|-------------------------------------|--|
| ☐ | (1) Involuntary resettlement or loss of means of livelihood
(Number of affected people:) |
| ☒ | (2) Groundwater pumping (Scale: 3650 m ³ /year) |
| ☒ | (3) Land reclamation, land development, and land clearing
(Scale: 248 ha) |
| ☒ | (4) Logging (Scale: 150 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?

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Yes, they do

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No, they do not

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Other (In India, power transmission projects are exempted from the Environmental Clearance process, including detailed EIA/EMP studies, as per the EIA Notification, 2006.)

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

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Yes

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No

If "Yes", please describe the impacts and go to Q13.

If "No", please go to Q13.

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Likelihood of a significant impact on human rights ()

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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.)

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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-expansionary renovation project, and acquisition of rights and interests without additional capital investment)?

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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?

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Yes

No

If "Yes", mark the applicable sectors and go to Q 16.

If "No", please disregard the following question.

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|-------------------------------------|------|---|
| ☐ | (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.

Total land area for the HVDC terminal stations at Khavda and Nagpur is approx. 248 ha.
The power transmission capacity of this project is 6GW.