

17th July 2026

Japan Bank for International Cooperation

Environmental Examination Report

(1) Project Name

The project of construction of high-voltage direct current (HVDC) transmission facilities

(2) Project Site

India, Gujarat State, Madhya Pradesh State and Maharashtra State

(3) Project Outline

Construction of high-voltage direct current (HVDC) transmission facilities

(4) Category Classification

Category A

(5) Reason for Classification

This project falls into the sensitive sector (power transmission and distribution sector) under the Environment Guidelines and has sensitive characteristics. The project site is also located in or near sensitive areas.

(6) Environmental Permits and Approvals

This project is not subject to the preparation of an Environmental and Social Impact Assessment (ESIA) report under the environmental assessment procedures and regulatory framework of the host country. Some of the remaining permits and approvals have not yet been obtained and are currently being pursued.

(7) Pollution Mitigation Measures

It has been confirmed that appropriate measures have been implemented to address air quality, water quality, waste management, as well as noise and vibration.

(8) Natural Environment

It has been confirmed that appropriate measures have been taken with respect to potential impacts on the natural environment.

(9) Social Environment

There are no ethnic minorities or indigenous peoples present at the project site or in the surrounding areas. It has also been confirmed that appropriate measures have been taken with respect to other potential impacts on the social environment.

(1 0) International Standard
IFC Performance Standards

(1 1) Others, Monitoring

Based on the above environmental review, monitoring is planned with respect to the status of obtaining any outstanding permits and approvals and the status of complaints, and the existence of any issues or observations raised by the relevant authorities.

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(

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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)

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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))

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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.

☐

Obtained

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Required, but not obtained yet

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Not required

☐

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?

☐ 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.)

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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.