

Results of Environmental Review

- (1) Reference Number
13-023
- (2) Project Name
Gas-fired combined-cycle power plant
- (3) Project Site
Habiganj District, Bangladesh
- (4) Project Outline
Gas-fired combined-cycle power plant
- (5) Category
A
- (6) Reason of Categorization
The project falls into the large-scale thermal power sector under the Environmental Guidelines.
- (7) Environmental Permission / Approval by the Environmental Authority
The EIA (Environmental Impact Assessment) report was made based on environmental laws & regulations in Bangladesh and it was approved by Department of Environment, Ministry of Environment and Forest in Bangladesh.
- (8) Pollution Prevention
Appropriate measures are being taken for air quality, water quality and noise to meet Bangladeshi standards.
- (9) Natural Environmental Considerations
Measures for the protection of natural environment are properly managed.
- (10) Social Considerations
Measures for social considerations are properly managed. No involuntary relocation is required.

(11) Applied International Standards
World Bank Safeguard Policies

(12) Monitoring

The project proponent will conduct monitoring of water quality and noise. The monitoring results will be reported to the environmental authorities.

(end)

Questions and Answers

Q1. Please provide the address of the project site.

A1. Address of the project site: Village- Parkul; Mouza- Tajbad; Union- Auskandi; Upazila- Nabiganj and District- Habiganj, Bangladesh.

Q2. Please provide brief explanation of the project.

A2. The proposed project consists of a combined cycle power plant (CCPP) with 400 MW capacity having one (01) gas turbine unit, one (01) heat recovery steam generator and one (01) steam turbine unit. The plant will also comprise of generator switch gear, inlet and outlet air system, emergency diesel generating set, natural gas booster compressor, 400 KV switch gear equipment, step up transformer and associated equipments, auxiliary transformer, station transformer and associated equipment, control and protection panels, fire fighting facilities. Also the plant comprises of water treatment plant (demineralization plant), cooling tower, circulating cooling water system, deep tubewell (for potable water), residential township, jetty, etc.

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 (condition)
 Under approval process Others (Please specify)

Date of Approval: _____

Name of the Authorities: Department of Environment (DoE), Bangladesh

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)

Names(s) of required permit(s): N/A _____

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)? (Yes/No)

A7. No.

If you answered is “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? (Yes/No)

A8. 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. Primary 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 viewpoint
- 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? (Yes/No)

A9. Yes.

If your 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 resettles’: N/A.....)
- 2. Pumping of groundwater (Scale: Only potable water for residential & non-residential facilities)
- 3. Land reclamation, development and/or clearing (Scale: 4.85 ha)
- 4. Deforestation (Scale: N/A.....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). (Yes/No)

A11. 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)? (Yes/No)

A12. No.

If you answered "Yes", it is not necessary to reply to the following questions.
If you answered "No", please reply to questions 13 and after.

Q13. Does the project belong to the following sectors? (Yes/No)

A13. Yes (Thermal Power).

If you answered "Yes", please specify the sector by marking, and reply to following questions.
If you answered "No", it is not necessary to reply the following questions.

<input type="checkbox"/>	1.	Mining
<input type="checkbox"/>	2.	Oil and natural gas development
<input type="checkbox"/>	3.	Pipelines
<input type="checkbox"/>	4.	Iron and steel (projects that include large furnaces)
<input type="checkbox"/>	5.	Non-ferrous metals smelting and refining
<input type="checkbox"/>	6.	Petrochemicals (manufacture of raw materials, including complexes)
<input type="checkbox"/>	7.	Petroleum refining
<input type="checkbox"/>	8.	Oil, gas and chemical terminals
<input type="checkbox"/>	9.	Paper and pulp
<input type="checkbox"/>	10.	Manufacture and transport of toxic or poisonous substances regulated by international treaties etc
<input checked="" type="checkbox"/>	11.	Thermal power
<input type="checkbox"/>	12.	Nuclear power
<input type="checkbox"/>	13.	Hydropower, dams and reservoirs
<input type="checkbox"/>	14.	Power transmission and distribution lines involving large-scale involuntary resettlement,

		large-scale logging or submarine electrical cables
<input type="checkbox"/>	15.	Roads, railways and bridges
<input type="checkbox"/>	16.	Airports
<input type="checkbox"/>	17.	Ports and harbors
<input type="checkbox"/>	18.	Sewage and wastewater treatment having sensitive characteristics or located in sensitive areas or their vicinity
<input type="checkbox"/>	19.	Waste management and disposal
<input type="checkbox"/>	20.	Agriculture involving large-scale land-clearing irrigation
<input type="checkbox"/>	21.	Forestry
<input type="checkbox"/>	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 whether the project is implemented.

A14. The proposed Bibiyana Phase III gas fired 400 MW Combined Cycle Power Plant (CCPP) will be built in an area of 12 acres equivalent to 4.85 ha of land at 91°39'42.4'' E longitude and 24°38'11.4'' N latitude. The site is about 2 km apart from the Sherpur Bridge to the west of Dhaka-Sylhet National Highway (N2), about 180 km northeast of Dhaka and about 45 km southwest of Sylhet. Administratively, it is located in the village of Parkul in Auskandi Union in Nabiganj Upazila of Habiganj District.

Execution of EIA is required.