

環境チェックレポート

- (1) プロジェクト名
肥料製造プラント建設プロジェクト
- (2) 実施場所
トルクメニスタン マリー市
- (3) プロジェクト概要
肥料製造プラントの建設
- (4) カテゴリ分類
カテゴリ「A」
- (5) カテゴリ分類の根拠
本プロジェクトは、環境ガイドラインに掲げる有害・有毒物質製造・輸送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 EIA が作成され、トルクメニスタン政府より承認済である。
- (7) 汚染対策
大気質、水質、騒音・振動の計画値は現地国基準及び世銀基準を概ね満たす見込みである。
- (8) 自然環境面
本プロジェクトのサイト内及びその周辺に保護区及び貴重動植物の生息域は存在しない。
- (9) 社会配慮面
住民移転は発生しない。
- (10) その他・モニタリング
本件では、大気質、水質についてモニタリングを実施する予定である。

以 上

Questions

Q1. Please provide the address of the project site.

Address of the project site : Mary city, Turkmenistan Republic

Q2. Please provide brief explanation of the project.

Production: Ammonia 1200ton/day , Urea 1925ton/day
Scope: CIF + SV
Shipment : around 25 months
Amount : Japanese Yen equivalent to 450million Euro
Contractor : Sojitz Corporation
Nominated Sub-Contractor : Kawasaki Plant Systems Ltd.

Q3. Will JBIC loan be applied to a new project or an executing project? In case of executing project, please inform the presence of strong claims by local residents.

- | | |
|--|---|
| <input checked="" type="checkbox"/> New Project | <input type="checkbox"/> Executing Project (with Claim) |
| <input type="checkbox"/> Executing Project (without Claim) | <input type="checkbox"/> Others (Please specify) |

Q4. In case of this project, is it necessary to execute Environmental Impact Assessment (EIA) based on the laws or regulations? If necessary, please inform the progress of EIA.

- | | |
|--|---|
| <input type="checkbox"/> Required (Completed) | <input type="checkbox"/> Required (Under execution or under planning) |
| <input checked="" type="checkbox"/> Not Required | <input type="checkbox"/> 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 or not. If EIA report is already approved, please provide the date and name of authorities of the approval.

- | | |
|---|---|
| <input type="checkbox"/> Approved (without condition) | <input type="checkbox"/> Approved (conditional) |
| <input type="checkbox"/> Under approval process | <input type="checkbox"/> 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)?

- | | |
|---------------------------------------|--|
| <input type="checkbox"/> Obtained | <input type="checkbox"/> Required, but not obtained yet |
| <input type="checkbox"/> Not required | <input checked="" type="checkbox"/> Others (Please specify) |

Name(s) of required permit(s) : Ecological Passport

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 elements?

(No)

If you answered "Yes", please describe the scale of applicable elements, 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: ton/year)
- (3) Land reclamation and/or development (Scale: ha)
- (4) Deforestation (Scale: ha)

Q10. Please reply to this question only in case that the project involves some of the above (1) to (4) elements. In the country where the project is planned, are there any regulations on a scale of the elements asked in question 9? If the country has such regulation, please answer whether the project satisfies the regulation or not.

- Regulation is applicable (satisfied not satisfied) No regulation
- Others (Please specify)

Please reply to questions 11 and after.

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?

(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-expansory renovation project, acquisition of rights or interest without additional plant 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) Hydro power plant, Dam or water reservoir
- (2) Thermal power plant
- (3) Mines
- (4) Development of oil and gas
- (5) Pipeline
- (6) Steel industry (with large scale furnace)
- (7) No-ferrous metal refining
- (8) Petrochemical (including manufacturing of raw materials and petrochemical complex)
- (9) Terminal of oil, gas and chemicals
- (10) Petroleum refining
- (11) Paper and pulp
- (12) Manufacturing and/or transportation of hazardous substances (specified by international agreement)
- (13) Road, railway or bridge
- (14) Airport
- (15) Port
- (16) Waste material processing or treatment
- (17) Treatment of sewage and/or waste water that includes hazardous substances or executed at environmentally sensitive area
- (18) Power transmission and/or distribution lines (including large scale involuntary resettlement, large scale deforestation or submarine cable)
- (19) Tourism (Construction of hotel, etc.)
- (20) Forestry or tree planting
- (21) Agriculture (large scale project and/or project including irrigation)

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.

Project area is 450,000 m² inclusive of administration facilities. Area of plants and buildings is approximately 350,000 m² (500 m x 700 m).

Production capacity is 1,200 metric ton of ammonia per day and 1,925 metric ton of urea granular per day. Urea is generated from ammonia.

Power generation of 23 MW is planned utilizing steam turbine generation. Classified offsite and utility facilities such as water treatment unit, urea bulk storage, ammonia storage, nitrogen generation unit and so on are included.