

環境チェックレポート

(1) プロジェクト名

硫酸製造プラント新設プロジェクト

(2) 実施場所

トルクメニスタン／トルクメナバード市

(3) プロジェクト概要

硫酸製造プラントの建設

(4) カテゴリ分類

カテゴリ B

(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セクター（石油・ガス・化学物質ターミナル）のうち大規模なものに該当せず、環境への望ましくない影響は重大でないと判断され、かつ影響を及ぼしやすい特性を持たず、影響を受けやすい地域またはその近傍に立地しないため。

(6) 環境許認可

本プロジェクトの環境影響評価報告書（以下、「EIA 報告書」）は、同国制度に基づき同国環境管理局（以下、「当局」）より 2012 年 12 月 10 日に付帯条件付で承認されている。

(7) 汚染対策

水質、廃棄物、騒音・振動の計画値は現地基準に沿った適切な対策計画を策定・実施している。大気質については、SO<sub>x</sub> 排出値は現地基準を満たす計画であり、環境値については現地基準を超過するものの、世銀基準を概ね満たす計画である。

(8) 自然環境面

サイト内及び周辺に保護区及び貴重動植物の生息域、文化遺産は存在せず、本プロジェクト実施に伴う景観への悪影響も予見されていない。

(9) 社会配慮面

本プロジェクトにおいては、新たな用地取得及び自発的住民移転は存在して

いない。また労働環境についても、事業者は同国の労働環境に係る法令を遵守する計画である。

(10) 適用国際基準

世銀セーフガードポリシー

(11) その他・モニタリング

大気質及び騒音に関するモニタリングを実施する予定。

以 上



**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 characteristics?

(No)

If you 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 resettlers: )
- (2) Pumping of groundwater (Scale: m<sup>3</sup>/year)
- (3) Land reclamation, development and/or clearing (Scale: ha)
- (4) Deforestation (Scale: 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)

(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-expansionary renovation project, acquisition of rights and interests without additional capital 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) 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) Manufacture and transport of toxic or poisonous substances regulated by international treaties, etc.
- (11) Thermal power
- (12) Nuclear power
- (13) Hydropower, dams and reservoirs
- (14) Power transmission and distribution lines involving large-scale involuntary resettlement, large-scale logging or submarine electrical cables
- (15) Roads, railways and bridges
- (16) Airports
- (17) Ports and harbors
- (18) Sewage and wastewater treatment having sensitive characteristics or located in sensitive areas or their vicinity
- (19) Waste management and disposal
- (20) Agriculture involving large-scale land-clearing or irrigation
- (21) Forestry
- (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 where the project is implemented.

Project Area : 5.72 ha (520m x 110m)

Area of plants and buildings : ditto

Production Capacity : 500,000 T/Y Sulfuric Acid

Storage Capacity: 20,000 ton

Amount of power generation : 13.5MW