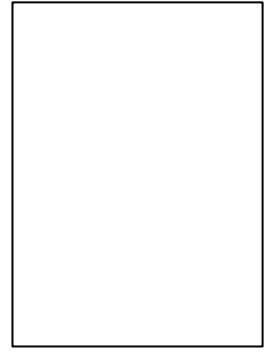


**Arab Republic of Egypt
Cabinet of Ministers
Egyptian Environmental Affairs Agency (EEAA)
Environmental Management Sector**



Environmental Impact Assessment

***Guidelines for
Environmental Screening Form B***

SEAM Project

**Arab Republic of Egypt
The Cabinet of Ministers
Egyptian Environmental Affairs Agency**

Draft Guidance on completion of Environmental Screening Form B

A. GENERAL INFORMATION

1. Project Title

The applicant should write the name of the project. It is an advantage for all parties, if the applicant reflects the activities which are going to take place.

2. Type of project (housing, commercial, touristic, industrial, others)

The applicant should clearly indicate, what kind of activity the project covers. If it is not covered by the examples in the parenthesis, the type of activity should be mentioned. If it is, e.g. construction of a bridge or tunnel, it should be called construction project.

3. Investor/applicant:

Project developer or applicant

Reference

Address:

Fax No:

Phone No:

Here the applicant should mention all necessary information for communication between the EEAA and the applicant. It should be mentioned whom the EEAA should contact in case of missing information in the form, questions concerning the information given etc.

Estimated Capital Investment, L.E:

Here the applicant should indicate the cost of the total investment.

Concerned Licensing Authority & Address:

The applicant should mention the relevant licensing authority and the address.

Project phases and expected starting dates:

Construction phase:

Operation phase:

Future extension:

The applicant should indicate the starting dates of the different phases, and if there are any plans for future extension(s) of the project.

4. Brief Project Description

Project basic features:

The applicant should give a short description of the project and the most important features.

Objectives:

The applicant should state the main objectives of the project.

Need for justification:

The basic components of the project should be mentioned, and explained if necessary.

Basic components:

The basic components of the project should be mentioned and explained if necessary.

Technological systems (accompanied as much as possible with layout and operational charts and diagrams showing inputs and outputs, including waste):

If the proposed project is a type of industry, the technology to be used should be described. This description may include site layout (including plan), process flow/operational diagram and should indicate the required raw materials, end products and waste from the process.

5. Alternatives considered

Sites:

Technologies:

Designs:

Materials:

The applicant should mention, if there were any alternatives concerning sites, technology, design and materials for the project which have been considered. This is important for the EEAA and its assessment of the potential environmental impact of the project.

Are there available studies of similar projects: (indicate source).

This information is especially relevant for industrial projects. The applicant may in this way document that the technology in the project can live up to state of the art and e.g. national standards for emissions, water quality etc.

6. Project location and site

Address

Total area, m²

The applicant should state the exact location of the project.

(please attach a detailed map with a suitable scale to indicate clearly the site, transportation routes and pipelines, its boundaries and neighbouring uses)

e.g. a land use plan is a useful way to show this.

7. A brief description of the construction phases and basic construction methods

If the construction phase consists of different phases , i.e. site preparation, foundations, civils etc, these should be described. Furthermore, the basic construction methods, i.e. the use of piling etc. should be mentioned.

8. Inputs during construction and operation

Building materials as well as machinery (front loaders, trucks, cranes etc.) used in the construction phase should be mentioned.

In the case of industrial projects, raw materials and for other projects, state kind of resources For industrial projects the applicant should mention the types of raw materials used. For other projects, e.g. construction projects, the applicant should mention the types of building materials, equipment, machinery etc. Specify and quantify (e.g., in units, i.e. tonnes/day or year, cubic metres or litres/second).

Table 1: Inputs during construction and operation phases

Inputs	Construction phase	Operation phase
Water/sanitary <i>Estimated amount of water to be used for sanitary purposes(in m³/day)</i>		
Water/process <i>Estimated amount of water to be used (in m³/day)</i>		
Water/other use <i>Estimated amount of water to be used for other purposes</i>		
Energy/electricity <i>Estimated amount of electricity to be used (in Kwh)</i>		
Energy/fuel (liquid, solid, gas) <i>Estimated amount of fuel to be used (in tonnes/day)</i>		
Energy/renewable resources <i>Estimated amount of energy derived from hydro power, wind mills, etc</i>		
Man power <i>Number of staff to be employed</i>		
Other inputs <i>Other possible uses should be mentioned</i>		

9. Outputs during construction and operation phases

End products (industrial projects)

The applicant should mention the nature of products resulting from the facility and the associated outputs. Specify and quantify these i.e. sulphur dioxide (in mg/m³), waste water (in m³/day) and analyses of effluent quality (in mg/l), i.e. terms of pH, BOD, TSS, COD etc., and likely noise emissions in dB(A).

Other outputs (all projects)

The applicant should mention if there are other outputs.

Table 2: Output of emissions, discharges and waste during construction and operation phases

Inputs	Construction phase	Operation phase
Air/sulphur dioxide <i>Estimated amount of sulphur dioxide (in mg/m³ in exhaust)</i>		
Air/particulate matter <i>Estimated amount of particulate matter (in mg/m³ in exhaust)</i>		
Air/smoke <i>State if the activity creates visible smoke, soot or vapour (in mg/m³ in exhaust)</i>		
Air/odour <i>State if the activity creates odours</i>		
Air/noise <i>State if the activity creates noise</i>		
Water/sewage <i>Estimated amount of sanitary waste water (in m³/day)</i>		
Water/industrial <i>Estimated amount of industrial waste water (in m³/day)</i>		
Solid waste/domestic <i>Estimated amount of household waste (in tonnes/day)</i>		
Solid waste/industrial <i>Estimated amount of industrial waste (in tonnes/day)</i>		
Solid waste/hazardous <i>Estimated amount of hazardous waste (in tonnes/day)</i>		

10. Other information deemed important, particularly with regard to safeguarding personnel and environment e.g. safety & firefighting facilities

The applicant should mention precautions considering occupational health, contingency plans, fire fighting facilities etc. Occupational exposure limits are given for noise and air pollutants in Law 4, 1994 - Annex 7.

B. Brief description of the environment (Baseline information)

General area description and most important features

The applicant should briefly describe the natural environment in the project area - in terms of existing features, i.e. water quality, air quality, noise, climate, ecological areas, archaeological features, etc.

Present infrastructure and services

Water

Electricity

Sewage

Solid waste disposal

Hospitals

The applicant should inform about the present infrastructure and services in the project area.

Fragile or sensitive ecosystems (critical or high valued ecosystems) that are present

The applicant should mention if the project site is in the vicinity of any sensitive ecological/biological areas, i.e. the Nile banks and its two branches and long canals, sea or lake shores or natural/nature reserves and give a short description. Designated site descriptions should be given.

Description of archaeological and historical areas

The applicant should mention if the project site is in the vicinity of archaeological or historical areas and give a short description.

Description of protected areas

The applicant should mention if the project site in the vicinity protected areas and give a short description.

Description of recreational and tourist areas

The applicant should mention if the project site is in the vicinity of recreational and touristic areas and give a short description.

C. Preliminary analysis of impacts

Air quality (potential effects on air quality):

Construction:

Operation:

Site:

Neighbouring area:

Transboundary:

The applicant should describe the potential effects on air quality from the outputs given in Table 2. Relate to relevant laws and decrees, i.e. Law 4, 1994 - Annexes 5, 6 and 7.

Clarify whether sensitive areas like hospitals, schools, residential areas, etc. exist nearby the project site

The applicant should inform about the existence of the above mentioned areas in the vicinity of the project site.

Water quality (potential effects on water quality):

Will the activity cause a significant change on the water availability, use, hydrology, drainage, temperature or quality.

The applicant should inform if the project in its different phases will affect the water availability (e.g. if the project is construction of a hotel or factory with very high water consumption), use, hydrology (e.g. if there are negative effects on the aquifer or surface water), drainage, temperature (e.g. discharge of cooling water) or quality. Use available statutory guidance as given in water related laws and decrees, i.e. Laws No. 93, 1962; and No. 48, 1982; and Decree 338/1995.

Are there existing hazard probabilities - explain the type, quantity and impact.

The applicant should mention any handling of hazardous substances which will take place in the project area in its different phases and the type of impact expected in case of accidents.

Will the activity affect surface water use?

Fisheries

Tourism and recreation

Other activities

The applicant should mention any possible effects of the project on the normal availability of fish (e.g. discharge of sanitary or industrial waste water and cooling water), effects on tourism and recreation activities (e.g. establishment of sanitary landfills creating odour problems) or effects on other activities (e.g. destruction of coral reefs by land reclamation).

Soil quality (Potential effects on soil quality):

Will the activity provoke a significant change on land use, landscape, fertility, vegetation cover, biodiversity or quality?

The applicant should inform if the project in its different phases will affect the landuse (e.g. if the project will use farmland for other purposes), landscape (e.g. if the project includes any major visual intrusion), fertility, vegetation cover (e.g. if the project involves the removal of vegetation in some areas), biodiversity (e.g. if the project involves land reclamation of wetlands) or quality (e.g. if the project involves the handling and storage of hazardous materials).

Please identify the impact of changes of soil quality on different activities

No explanation necessary.

Please explain if there are any other potential or significant impacts resulting from these activities

No explanation necessary.

D. Mitigating Measures

Generally mitigation measures should be associated with best practice and comply with relevant laws, decrees and guidance.

Air emissions:

If the applicant has mentioned any potential impacts on the air quality, the proposed mitigating measures should be mentioned here. These may include appropriate stack heights, external controls, fuel specification with sulphur content of less than 1.5% in residential and urban areas.

Waste water discharges:

If the applicant has mentioned any potential impacts on water quality the proposed mitigation measures should be mentioned here. These may include appropriate treatment methods to ensure water quality standards/objectives are met for recognised parameters.

Solid and hazardous waste:

If the applicant has mentioned any potential impacts from the handling of hazardous materials or waste, the proposed mitigating measures should be mentioned here. These may include minimising waste generation and appropriate collection using recognised methods, and disposal of waste to licensed waste disposal facilities.

Other mitigating measures:

If the applicant has mentioned any potential impacts on e.g., soil quality or other aspects, the proposed mitigating measures should be mentioned here.

E. Inter-institutional and public involvement

Is there any contact with public authorities or others concerning the project?

The applicant should mention the public authorities or others which have been contacted regarding the project (e.g. licensing authority, municipality, governate, etc)

F. Certification

I hereby certify that the information given is accurate and true to the best of my knowledge, and in the case of consequent changes, prompt notification will be made to the EEAA

No explanation necessary.

Form B guidance