

PETROSAFE

Petroleum Safety & Environmental Services Company



Environmental and Social Impact Assessment

ESIA

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Environmental and Social Impact Assessment

Environmental and Social Impact Assessment (ESIA) is a process for predicting and assessing the potential environmental and social impacts of a proposed project, evaluating alternatives and designing appropriate mitigation, management and monitoring measures.

ESIA is the systematic identification and evaluation of the potential impacts (effects) of proposed projects, plans, program or legislative action of the physical, chemical, biological, cultural and socio-economic components of the total environment.

The primary purpose of the ESIA process is to encourage the consideration of the environment in planning and decision making so as to ultimately arrive at actions which are environment friendly.

It is a planning tool which helps planners in predicting future impacts of different development activities.

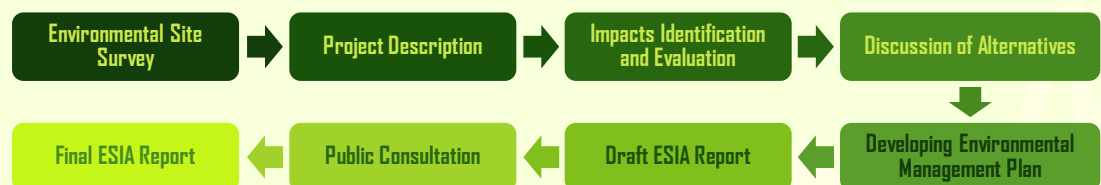
It provides information about adverse environmental effects, predicts the overall risks arising from any activity, helps in identifying areas where risks can possibly be reduced.

Environment is composed of Biotic & Abiotic components. There is a dynamic equilibrium between these components. When a project is undertaken, it tends to disturb these components. PETROSAFE believes to maintain the quality of environment, it is essential that the perspective impacts of the project on natural environment are studied on time and remedial measures be taken, so as to promote sustainable and holistic development of the project. This is done in PETROSAFE through ESIA.

Regulations

- Environmental and Social Impact Assessment (ESIA) is implemented in Egypt under the umbrella of the Ministry of Environment. The Egyptian Environmental Affairs Agency (EEAA) is responsible for the EIA services.
- A formal Environmental Impact Assessment (EIA) system was introduced in Egypt through Environmental Protection Law No. 4 of 1994, amended by Law No. 9 of 1999 and Law No. 105 of 2015.
- ESIA must be performed for new establishments or projects and for expansions or renovations of existing establishments according to the Law of the Environment.
- ESIA approval became a key requirement of most project permitting regimes .

Steps for Preparing an ESIA



Goals of ESIA

The major aims of ESIA are:

- Resources Conservation.
- Efficient Use of Equipment.
- Waste Minimization.
- Sustainable Development.
- Recovery of By-product.