

Scientific and Technical Advisory Panel



The Scientific and Technical Advisory Panel, administered by UNEP, advises the Global Environment Facility
(Version 5)

STAP Scientific and Technical screening of the Project Identification Form (PIF)

Date of screening: February 11, 2010

Screener: Guadalupe Duron

Panel member validation by: N.H. Ravindranath

I. PIF Information

Full size project **GEF Trust Fund**

GEFSEC PROJECT ID: 4093

GEF AGENCY PROJECT ID:

COUNTRY(IES): Tunisia

PROJECT TITLE: Energy Efficiency and Cogeneration investment scale up and Biomass pilot

GEF AGENCY(IES): World Bank

OTHER EXECUTING PARTNER(S):

GEF FOCAL AREA (S): Climate Change

GEF-4 STRATEGIC PROGRAM(S): Industrial

NAME OF PARENT PROGRAM/UMBRELLA PROJECT:IBRD

II. STAP Advisory Response *(see table below for explanation)*

1. Based on this PIF screening, STAP's advisory response to the GEF Secretariat and GEF Agency(ies):
Consent

III. Further guidance from STAP

2. STAP consents to the EE and Cogeneration and Biomass energy project from Tunisia. The focus of the project is on removing barriers to promote EE / RE projects to reduce GHG emissions. This is a continuation of the earlier World Bank and GEF project. The following issues need to be addressed:
3. This PIF includes three components which are not very well connected. Justification for the mix of EE, pilot poultry waste based energy system and biomass energy assessment component is not adequate. The PIF seems to be incomplete. The expected outputs and activities to be included under each project component are incomplete.
4. **Barriers:** Barriers to EE investments have been identified, which include lack of awareness on EE opportunities, lack of attractiveness to commercial banks, high transaction costs, lack of infrastructure for planning and implementation for EE projects and lack of capacity in financial institutions for developing EE portfolio. However, the activities proposed to overcome the barriers are very generic, such as: creating institutions, education, training, capacity building, and awareness raising, regulations and information access.
5. **Biomass energy:** Which biomass sources will be assessed? What is the rationale for assessing biomass energy resources. What will happen to the feasibility studies and pilot project proposals biomass studies. What methods and approaches will be used for assessing the biomass energy potential. What biomass technologies will be considered: Power generation, Cooking, Mechanical applications and Process Heat. There is inadequate justification for biomass assessment studies.
6. **Pilot projects on poultry droppings:** What is the purpose of the two pilot projects? What will happen beyond the implementation of the pilot projects? There is inadequate justification for the pilot projects.
7. **Cogeneration Investment:** Cogeneration is mentioned in the title of the project but no details are provided in the description of the components.

<i>STAP advisory response</i>	<i>Brief explanation of advisory response and action proposed</i>
1. Consent	STAP acknowledges that on scientific/technical grounds the concept has merit. However, STAP may state its views on the concept emphasising any issues that could be improved and the proponent is invited to approach STAP for advice at any time during the development of the project brief prior to submission for CEO endorsement.
2. Minor revision required.	<p>STAP has identified specific scientific/technical suggestions or opportunities that should be discussed with the proponent as early as possible during development of the project brief. One or more options that remain open to STAP include:</p> <ul style="list-style-type: none"> (i) Opening a dialogue between STAP and the proponent to clarify issues (ii) Setting a review point during early stage project development and agreeing terms of reference for an independent expert to be appointed to conduct this review <p>The proponent should provide a report of the action agreed and taken, at the time of submission of the full project brief for CEO endorsement.</p>
3. Major revision required	<p>STAP proposes significant improvements or has concerns on the grounds of specified major scientific/technical omissions in the concept. If STAP provides this advisory response, a full explanation would also be provided. Normally, a STAP approved review will be mandatory prior to submission of the project brief for CEO endorsement.</p> <p>The proponent should provide a report of the action agreed and taken, at the time of submission of the full project brief for CEO endorsement.</p>