

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: 7-3-2008

Screener: N.H. Ravindranath and Douglas Taylor

Panel member validation by: N.H. Ravindranath

I. PIF Information : Promoting and Strengthening an Energy Efficiency Market in the Industry Sector in Chile

Full size project GEF Trust Fund

GEFSEC PROJECT ID¹: 3599

GEF AGENCY PROJECT ID: CH-X1002

COUNTRY(IES): Chile

PROJECT TITLE: Promoting and strengthening an Energy Efficiency market in the industry sector in Chile

GEF AGENCY(IES): IADB

OTHER EXECUTING PARTNER(S): In Chile – Programa País Eficiencia Energética (PPEE)

GEF FOCAL AREA (S): Climate Change,

GEF-4 STRATEGIC PROGRAM(S): CC-SP2

NAME OF PARENT PROGRAM/UMBRELLA PROJECT:

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. The main goal of the project is to promote energy efficiency in industry sector in Chile, through development of market.

i) Technological Interventions: IPCC (2007) has highlighted a number of potential technological interventions for reducing GHG emissions in industry sector namely; energy management systems, efficient motor systems, boilers, furnaces, lighting and heating/ventilation/air conditioning, and process integration. The technological interventions can be grouped into “Energy efficiency, fuel switching, power recovery, renewables, feedstock change, product change and material efficiency”.

Small and medium enterprises or industries (SME) are mentioned as focus of the project. There must be hundreds of SMEs. Which industries will be selected or prioritized for technical intervention. What criteria and methods will be used for selecting the industries and technologies; potential for mitigation, cost-effectiveness, etc. Which industries and technologies will be selected for demonstration and financing. The potential for mitigation of different industries could be considered.

ii) Baseline and Control Groups: Are there any quantitative indicators of baseline levels of energy use and GHG emissions. Will there be any set of control group of industries to compare and estimate the energy savings potential of technological interventions. A more quantitative explanation of GHG emissions in the absence GEF project is necessary.

iii) Methods and Monitoring: There is a need for selection and inclusion of methods for estimation and monitoring of energy savings and GHG emissions under baseline and project scenario conditions.

iv) Risks: Risk associated with performance of new technologies or interventions could be considered, along with the risk associated with financial viability of technologies.

Reference: IPCC, 2007, Climate Change; Mitigation of Climate Change.

STAP advisory response	Brief explanation of advisory response and action proposed
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.

¹ Project ID number will be assigned initially by GEFSEC.

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>