

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: May 05, 2010

Screeners: Lev Neretin

Panel member validation by: Nijavalli H. Ravindranath
Consultant(s):

I. PIF Information *(Copied from the PIF)*

FULL SIZE PROJECT **GEF TRUST FUND**

GEF PROJECT ID: 4173

PROJECT DURATION : 4

COUNTRIES : Peru

PROJECT TITLE: Lighting Market Transformation in Peru

GEF AGENCIES: UNEP

OTHER EXECUTING PARTNERS: Ministry of Energy and Mines (MEM)

GEF FOCAL AREA: Climate Change

GEF-4 STRATEGIC PROGRAMS: CC-1;

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

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

III. Further guidance from STAP

The project aims at the promotion and implementation of Energy Saving Lamps (ESL) in Peru. This is a very comprehensive project covering all aspects of promotion of market transformation, though with a modest budget. The most important feature of this project is that it aims at a well co-ordinated, integrated and comprehensive approach to transform Lighting Market in Peru. The project aims to change the lighting systems from voluntary standards towards an enforcement mechanism.

1. Barrier analysis: The PIF lists a few barriers. Component 2 of the project aims at conducting market research on the lighting sector. STAP suggests conducting a systematic assessment of barriers from the perspective of different stakeholders in the market.
2. Public sector demonstration: Component 5 mentions implementation of public sector demonstration of ESL products involving the latest technologies. What is the rationale for focusing only on public sector lighting in the demonstration programme? Other residential and commercial lighting could also be included in the demonstration.
3. Baseline scenario: STAP recommends the project to develop baseline scenario projections of energy use for lighting and the relevant GHG emissions.
4. Mandatory mechanisms: Will the project aim at mandatory standards and labels for phasing out inefficient lighting systems? The mechanisms have to be spelled out before the CEO endorsement.
5. Incremental cost of ESLs: How would the project overcome the risk of additional cost involved in shifting to ESLs especially for the poor rural households?

<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.	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:

	<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>
<p>3. Major revision required</p>	<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>