

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: 13-3-2008

Screener: Douglas Taylor

Panel member Review and validation by: N.H. Ravindranath

I. PIF Information

GEFSEC PROJECT ID: 3565

GEF AGENCY PROJECT ID: 4014

COUNTRY(IES): Turkey

PROJECT TITLE: Market transformation of energy efficient appliances in Turkey

GEF AGENCY(IES): UNDP

OTHER EXECUTING PARTNERS: EiE (General Directorate of Electrical Power Resources Survey, Turkey)

GEF FOCAL AREAS: Climate Change

GEF-4 STRATEGIC PROGRAM(S): CC-SP1

NAME OF PARENT PROGRAM/UMBRELLA PROJECT: N/A

Full size project GEF Trust Fund

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. **i) Technical Intervention:** An explanation of which appliances will be targeted on priority basis; cooking, lighting, heating, cooling, mechanical appliances etc, will be useful. A ranking of the appliances based on energy conservation potential would be useful. What is the current typical energy use per appliance use and conservation potential (in % or kWh)?
Proposal mentions that a "Structured Programme" and a "Structured Monitoring Programme" would be developed. The key components of the structured programme could be explained. What approach would be adopted for improving the labelling and appliance standards, since Turkey already has 'labels and standards' in place?
ii) Baseline and Control: More information on baseline scenario, in the absence of GEF project, would be useful. How the energy efficiency improvements or GHG reduction would be compared. Will there be any 'control' scenario?
iii) Methodology and Monitoring: Broad methods to be adopted for measuring and monitoring baseline energy use and energy conservation under the GEF project could be provided.
iv) Cost-effectiveness, financial viability and first cost barrier: The importance of first/investment cost as a barrier to adoption of energy efficient appliances needs to be considered. Would awareness alone be adequate. Cost-effectiveness on life cycle basis may be positive but first cost could be a barrier.

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.
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: (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 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.
3. Major revision required	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

	<p>review will be mandatory prior to submission of the project brief for CEO endorsement. 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>
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