

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: 07 October 2008

Screener: Douglas Taylor, STAP Secretary

Panel member validation by: N.H. Ravindranath

I. PIF Information

Full size project **GEF Trust Fund**

GEFSEC PROJECT ID: 3700

GEF AGENCY PROJECT ID: PIMS 4040

COUNTRY(IES): China

PROJECT TITLE: Promoting Energy Efficient Room Air Conditioners (PEERAC) Project

GEF AGENCY(IES): UNDP

OTHER EXECUTING PARTNERS: In China - State Environmental Protection Administration (SEPA)

GEF FOCAL AREAS: Climate Change

GEF-4 STRATEGIC PROGRAM(S): SP-1: Promoting energy efficiency in residential and commercial buildings

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

The STAP consents to the PIF for China on "Promoting Energy Efficient Room Air Conditioners". The project aims at reduction of GHG emissions through transformation of Chinese Room Air Conditioner (RACs) market. This is a very well defined project with clear project Components, Outcomes, Outputs and Activities. However, STAP makes the following suggestions to be considered in the full project brief.

- **Technical interventions:** Clarity is needed on the technical intervention particularly the approach for consideration, evaluation and selection of designs and creating access to the technical designs selected. Will the criteria be the only energy efficiency and GHG emissions or other elements to be included, such as incremental cost of the new technology, availability of the infrastructure for the manufacturing the RACs, etc.
- **Barriers:** The Barrier of incremental investment cost for the manufacturers as well as the incremental first cost to the end-users or the households is not adequately considered. The project-components do not adequately address these two cost barriers. Further how will the recycling or retrofitting of the existing less-efficient systems be achieved along with the cost implications?
- **Risks:** The risks of the higher first cost to the manufacturer as well as the consumer and the mitigation measures are not adequately considered.

<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: (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

	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.
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