

# Scientific and Technical Advisory Panel

The Scientific and Technical Advisory Panel, administered by UNEP, advises the Global Environment Facility



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

Date of screening: 02<sup>nd</sup> October 2009

Screener: Lev Neretin

Panel member validation by: N.H. Ravindranath

### I. PIF Information

**GEF Project ID: 4039**

**Country(ies):** Colombia, Indonesia, Kenya

**Project Title:** Solar Chill: Commercialization and Transfer

**GEF Agency(ies):** World Bank, UNEP

**Other Executing partner(s):** Greenpeace, UNICEF, Vestfrost, Danfoss, WHO, Danish Technological Institute

**GEF Focal Area (s):** Climate Change

**GEF-4 Strategic program(s):**

**Name of parent program/umbrella project (if applicable):** Technology Transfer

### 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

Solar chill has vast potential for remote areas. STAP supports this project with potential multiple benefits for GHG and ODS reductions. The project aims at commercialization of the solar chill technologies. But that stage may still be some way off. STAP suggests that the project should adopt the Technology Innovation chain concept and progress from first stage of technology filed testing, demonstration, transfer, diffusion and marketing.

Technology performance and cost-benefit analysis should be an integrated component of the project. The training, information and infrastructure needs for commercial scale operation should to be assessed in the project. The operation and maintenance is always a challenge, thus this aspect should be adequately addressed. The risks associated with technical performance, high costs and technical capacity needed have to assessed and mitigated.

<i>STAP advisory response</i>	<i>Brief explanation of advisory response and action proposed</i>
1. <b>Consent</b>	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. <b>Minor revision required.</b>	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: <ol style="list-style-type: none"> <li>(i) Opening a dialogue between STAP and the proponent to clarify issues</li> <li>(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</li> </ol> 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. <b>Major revision required</b>	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.