

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 08, 2012

Screener: 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: 4927

PROJECT DURATION : 5

COUNTRIES : India

PROJECT TITLE: Facility for Low Carbon Technology Deployment

GEF AGENCIES: World Bank

OTHER EXECUTING PARTNERS: Bureau of Energy Efficiency

GEF FOCAL AREA: Climate Change

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 to develop a network of research and innovation institutions in India that can address technology gaps to mitigate climate change and improve overall energy efficiency in the economy. STAP welcomes this initiative, and at the same time suggests the following be considered prior to CEO endorsement:

1. Network of research and innovation institutions: India is likely to have a large number of advanced technology institutes and research laboratories working on various aspects of energy technologies. It is suggested to develop criteria for selection of institutions within the context of this project.
2. Climate change mitigation areas: The PIF suggests 4 technologies/sectors that will be the focus of this initiative "namely water heat recovery, air conditioning, refrigeration, and lighting. Some of these technologies such as air conditioning and lighting are the subject of significant research in many institutes in India and abroad. There is a need, however, for a systematic study to assess if there are any technology gaps which currently are not being addressed. Selection of technologies could be conducted after detailed assessment of technology status in India as well as the distribution of efficient systems.
3. Capacity building in institutions: The project framework does not mention any outputs or outcomes with respect to building capacity in the institutions for R&D in the selected areas. It is quite possible that many of the institutions may already have the capacity while some others may need capacity enhancement. An assessment of capacity needs is recommended.

| <i>STAP advisory response</i> | <i>Brief explanation of advisory response and action proposed</i> |
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| 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 |

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| | full project brief for CEO endorsement. |
| 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> |