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

Date of screening: 18th May 2009

Panel member validation by: N.H. Ravindranath

I. PIF Information
Full size project GEF Trust Fund
GEF Project ID: 3935
Country(ies): Armenia
Project Title: Improving Energy Efficiency in Buildings
GEF Agency(ies): UNDP
Other Executing partner(s): Ministry of Nature Protection, Ministry of Urban Development
GEF Focal Area(s): Climate Change
GEF-4 Strategic program(s): CC-SP1-Building EE
Name of parent program/umbrella project: Framework for Promoting Low Greenhouse Gas Emission 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

1. The project aims at reducing GHG emissions and energy consumption in the Armenian building sector. The project focuses on electrical as well as thermal energy in residential buildings. The rationale for focusing only on residential buildings could be provided. The project does not adequately distinguish between residential and commercial buildings. STAP also recommends distinguishing new and retrofitted buildings as well as residential and commercial building when designing national EE building codes and standards.
2. There is a need for a scientific approach to selection of electrical and thermal energy related technologies and practices for intervention to promote large scale GHG emissions reduction. The criteria could be GHG mitigation potential, cost effectiveness and transaction costs.
3. There is a need for scientific barrier analysis to identify and prioritize the barriers for project intervention.
4. STAP questions the impact of demonstrating EE and integrated building design in two residential buildings on the promotion of these practices at the national level. How will the project assure scaling-up and dissemination of lessons at the national level?

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<tr>
<th>STAP advisory response</th>
<th>Brief explanation of advisory response and action proposed</th>
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<tbody>
<tr>
<td>1. Consent</td>
<td>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.</td>
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<td>2. Minor revision required.</td>
<td>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.</td>
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<td>3. Major revision required.</td>
<td>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.</td>
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