

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: February 27, 2013

Screener: Lev Neretin

Panel member validation by: Ralph E. Sims
Consultant(s):

I. PIF Information *(Copied from the PIF)*

FULL SIZE PROJECT **GEF TRUST FUND**

GEF PROJECT ID: 5299

PROJECT DURATION : 3

COUNTRIES : Bolivia

PROJECT TITLE: Delivering the Transition to Energy Efficient Lighting

GEF AGENCIES: UNEP

OTHER EXECUTING PARTNERS: Ministry of Hydrocarbons and Energy and Ministry of Environment and Water

GEF FOCAL AREA: Multi Focal Area

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

Well thought through project balancing phasing in of CFLs and LEDs but maintaining quality of lighting, avoiding poor quality of products through the test centres, and considering disposal of old light bulbs. The UNEP "en-lighten" initiative has been a successful driver and this project builds upon that. All three lighting projects are well presented proposals under the UNEP en.lighten initiative.

The 8 million CFLs made available in 2009 and 9 million in 2012. Would be interesting to know what approximate share of lamps this account for. The costs in terms of \$/t CO₂ avoided is also not clear

The majority of the total budgeted funding going towards training and awareness as well as policies and legal and regulatory frameworks with emphasis on LEDs makes good sense given the CFL incentives already undertaken.

The future projected mix of 85% CFLs, 5% LEDs and 10% incandescents is fine but, given the problems of mercury when disposing of CFLs, a higher share of LEDs could be a good target to aim for. Leap-frogging to 90% LEDs would be innovative but probably impractical. It would be interesting to compare a project proposal budget aiming for higher shares of LEDs and hence avoiding large investments in waste management of spent CFL lamps.

It's not clear what will be actually measured/monitored in order to assess the project success (or otherwise). Could it be the number of CFLs/LEDs sold by a certain date? Or the number actually installed?

Finally, it is not clear why this is a multi-focal area (MFA) project whereas lighting in Chile (5150) and Yemen (5152) are both listed as Climate change projects. They are all very similar.

<i>STAP advisory response</i>	<i>Brief explanation of advisory response and action proposed</i>
1. Consent	STAP acknowledges that on scientific or technical grounds the concept has merit. However, STAP may state its views on the concept emphasizing any issues where the project could be improved. Follow up: The GEF Agency is invited to approach STAP for advice during the development of the project prior to submission of the final document for CEO endorsement.
2. Minor revision required.	STAP has identified specific scientific or technical challenges, omissions or opportunities that should be addressed by the project proponents during project development. Follow up: One or more options are open to STAP and the GEF Agency: (i) GEF Agency should discuss the issues with STAP to clarify them and possible solutions.

	(ii) In its request for CEO endorsement, the GEF Agency will report on actions taken in response to STAP's recommended actions.
3. Major revision required	<p>STAP has identified significant scientific or technical challenges or omissions in the PIF and recommends significant improvements to project design.</p> <p>Follow-up:</p> <p>(i) The Agency should request that the project undergo a STAP review prior to CEO endorsement, at a point in time when the particular scientific or technical issue is sufficiently developed to be reviewed, or as agreed between the Agency and STAP.</p> <p>(ii) In its request for CEO endorsement, the Agency will report on actions taken in response to STAP concerns.</p>