



REQUEST FOR PROJECT PREPARATION GRANT (PPG)
PROJECT TYPE: MEDIUM- SIZED PROJECT
THE GEF TRUST FUND

Submission Date: 1 February 2010
Resubmission Date: 4 February 2010

GEFSEC PROJECT ID¹: 4055

GEF AGENCY PROJECT ID: 4344

COUNTRY: Senegal

PROJECT TITLE: National Greenhouse Gas Reduction Program through Energy Efficiency in the Built Environment in Senegal

GEF AGENCY: UNDP

OTHER EXECUTING PARTNER(S): Direction de l'Environnement et des Etablissements Classés, Ministère de la Construction, Ministère de l'Énergie (Direction de la Maîtrise de l'Énergie), Senegalese Institute of Standardisation (ISN), Ordre National des Architectes du Sénégal

GEF FOCAL AREA(S): Climate Change

GEF-4 STRATEGIC PROGRAM(S): SP-1: Promoting Energy Efficiency in Residential and Commercial Buildings

NAME OF PARENT/PROGRAM/UMBRELLA PROJECT: GEF Strategic Programme for West Africa, Low Carbon Buildings

A. PROJECT PREPARATION TIMEFRAME

Start date	1 March 2010
Completion date	1 March 2011

B. PAST PROJECT PREPARATION ACTIVITIES (\$)

List of Past Project Preparation Activities	Output of the Activities	Project Preparation Amount (a)	Co-financing (b)	Total c = a + b
Total Project Preparation Financing				

C. PROPOSED PROJECT PREPARATION ACTIVITIES (\$)

The project will be built from the lessons learned from the previous UNDP-GEF project ENERBAT. The PPG will particularly focus on a large consultation of institutional, public and private building stakeholders in order to not duplicate the too narrow consultative process followed during ENERBAT. In particular the PPG will also from the earliest stage the full participation of key government agencies and institutions like the Department of Energy Management, the Ministry of Construction, and the National Architects organization.

The preparatory phase will also set the conditions for the two demonstration projects. A project committee has already been put in place to provide guidance to both the present project and the UNDP-GEF Technology Transfer “Typha as a innovative thermal insulation material” project.

¹ Project ID number will be assigned initially by GEFSEC. If PIF has been submitted earlier, use the same ID number as PIF.

The project team will comprise two national consultants and one international consultant.

1. Organize a national-wide consultation in order to analyze & identify gaps and barriers in building EE legislation and regulations and their effective implementation.

- 1.1. Collect, analyze and summarize lessons learnt from the previous ENERBAT project.
- 1.2. Identify, list and meet with every relevant stakeholders from the construction and building industry. Presentation of the context and objective of the present project proposal.
- 1.3. Review and analyze the existing national legislation and building energy performance standards, identify the existing gaps and propose a plan for the revision of the national legislation and standards to make them more comprehensive and consistent with the internationally recognized best practices;
- 1.4. Identify and analyze the barriers to effective enforcement of the current and foreseen future building codes and energy performance standards;
- 1.5. Elaborate measures and develop a support program to overcome the identified barriers, including capacity building of relevant government and private sector stakeholders;
- 1.6. Review and assess the capacity of the building sector and its key stakeholders, including architects, real estate development companies, construction firms, and building material suppliers, to adopt more stringent energy performance criteria
- 1.7. Synthesize and report results

2. Conduct supporting studies to elaborate the detailed project design

- 2.1 Identify technical solution to improve thermal comfort and energy efficiency in both new buildings and existing stock. Prioritize options, and describe potential policies and measures to promote possible EE options.
- 2.2 Formulate EE Building strategy and investment plan
- 2.3 Confirm and prepare the ground for the two demonstration project: perform a preliminary energy audit (for setting the baseline level in terms of energy demand & Greenhouse gas emissions), define and encourage an integrated building design approach following known international energy and thermal best practices in buildings.
- 2.4 Identify the roles and responsibilities of all stakeholders for integrated design of the selected buildings
- 2.5 Generate a work plan for ensuring that the selected buildings are retrofitted, designed and/or constructed in accordance with integrated building design approach;
- 2.6 Develop a program for promoting the integrated building design approach, including awareness raising, training modules (together with an identified hosting institution) for building professionals and, as applicable, a guidebook for introducing integrated building design for private sector organizations.
- 2.7 Develop a plan and set the basis for supporting the government, in particular Senegal Ministry of Construction to monitor and enforce compliance with future legal requirements.
- 2.8 Presenting the draft project design and securing the engagement of the key stakeholders

3 Set the monitoring and evaluation plan

- 3.1 Develop a methodology for a monitoring plan to measure direct and indirect financial savings and GHG emission reductions resulting from the integrated building design and construction and the impacts of revising the national energy performance standards and improved enforcement.
- 3.2 Prepare a methodology for measuring and reporting energy consumption nation-wide and develop a programme of activities for promoting the reporting of building energy consumption by energy managers.

4 Finalize UNDP/GEF project document and other required documents for the final endorsement of the project, including:

- 4.1 An updated situation and baseline analysis
- 4.2 Project logical framework and detailed planning matrix, including concrete targets and indicators taking into account the guidance provided by GEF
- 4.3 A risk assessment and a risk mitigation strategy, including an assessment of the social, economic and financial sustainability of proposed project activities
- 4.4 Description of project's institutional framework/implementation mechanism and stakeholder involvement plan

Summary of project preparation activities	GEF Grant	Co-financing (in-Kind)	Total
1. Organize a national-wide consultation in order to analyze & identify gaps and barriers in building EE legislation and regulations and their effective implementation.	35,000	10,000	45,000
2. Conduct supporting studies to elaborate the detailed project design	20,000	10,000	30,000
3. Set the monitoring and evaluation plan	5,000	10,000	15,000
4. Finalize the UNDP/GEF project document and other required documentation for the final GEF endorsement	20,000	20,000	40,000
Total Project Preparation Financing	80,000	50,000	130,000

D. FINANCING PLAN SUMMARY FOR PROJECT PREPARATION GRANT: (\$)

	Project Preparation	Agency Fee
GEF financing	80,000	8,000
Co-financing	50,000	
Total	130,000	

E. PPG REQUESTED BY AGENCY(IES), FOCAL AREA(S) AND COUNTRY(IES)¹

GEF	Focal Area	Country Name/	(in \$)
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Agency		Global	PPG (a)	Agency Fee (b)	Total c = a + b
Total PPG Requested					

¹ No need to provide information for this table if it is a single focal area, single country and single GEF Agency project.

F. PPG BUDGET REQUEST

Cost Items	Total Estimated Person Weeks for GEF Grant (PW)	GEF (\$)	Co-financing (\$)	Total (\$)
Local consultants *	10 (GEF)	20 000	10 000	30 000
International consultants*	10 (GEF)	30 000	-	30 000
Travel		10 000	-	10 000
Other (communication, consultation meetings, reporting, office, stationary)		20 000	40 000	60 000
Total PPG Budget		80 000	50 000	130 000

* Annex A for Consultant cost details should be prepared first before completing this table. See notes on Annex A for the required detailed information. This table is the sum of all local and international consultants presented in Annex A.

G. GEF AGENCY (IES) CERTIFICATION

This request has been prepared in accordance with GEF policies and procedures and meets the GEF criteria for project identification and preparation.

Agency Coordinator, Agency name	Signature	Date (Month, day, year)	Project Contact Person	Telephone	Email Address
John Hough, Deputy Executive Coordinator, UNDP/GEF		02/04/2010	Benoit Lebot	+ 2221 33 869 06 76	Benoit.lebot@undp.org

Annex A

Consultants Financed by the Project Preparation Grant (PPG)

Position Titles	\$/ Person Week	Estimated PWs	Tasks to be performed
Local Consultants			
Lead stakeholder involvement and project formulation expert	1000	9	<ul style="list-style-type: none"> - Lead the stakeholder coordination and consultations with regard to the cooperation, co-financing and institutional arrangements for the full project; - Review and assess the absorption capacity of the building sector including architects, real estate development companies, construction firms, and building material supplies to adopt more stringent energy performance standards; - Lead the review and assessment of the existing national legislation and building energy performance standards, identifying the barriers and related capacity building needs to improve the enforcement of the national building codes; - Integrate the various parts of the PPG into one coherent process
Buildings energy performance policy and capacity building expert	1000	9	<ul style="list-style-type: none"> - Support the international consultant in establishment of baseline scenario including recommendations on the most the feasible EE building materials, equipments - Elaborate the possible incentive and other enforcement mechanisms and the related institutional and capacity building needs and programs for the key stakeholders (incl. government institutions, municipalities and building inspectors) to improve the enforcement of energy efficient building codes; - Perform an energy & GHG emission audit on the two identified demonstration projects - Collect information in order to assess the construction markets (construction rate, trends in design, buildings types, building materials...) - In cooperation with international policy expert propose a plan for the development of a program for revision of national legislation and standards
Assistant to the lead project formulation expert	200	10	<ul style="list-style-type: none"> - Assist the preparation of stakeholder consultation: <ul style="list-style-type: none"> o prepare inception and conclusion workshops, o field visits & missions,

			<ul style="list-style-type: none"> ○ organize consultation and maintain dialogue with potential project partners
International Consultants			
Lead project design & Policy/building energy performance standards International Expert	3000	10	<ul style="list-style-type: none"> - Support the evaluation of previous energy efficiency programme in Senegal building sector (in particularly ENERBAT) - Provide expertise on necessary revisions of national legislation and standards - Provide expertise to develop practices, procedures and institutional arrangements for introducing integrated building design approach and on the most the feasible EE building materials and equipment - Provide expertise on the energy & GHG emission audit on the two identified demonstration projects - Develop the baseline scenario - Provide expertise on the design of the full project taking into account international best practices and lessons learnt from implementing similar projects elsewhere - Support the drafting of the logical framework and M&E plan including baselines and indicators - Provide expertise on development of a monitoring plan to measure direct and indirect financial and GHG emission reductions resulting from the integrated building design and on a methodology for measuring and reporting energy consumption nation-wide - Support the drafting of TORs for the national experts and short-term international consultants to be hired during the implementation of the project. - Provide other required guidance and support for the preparation of the MSP proposal - Finalize the MSP for submission to the GEF, and advocate the project as necessary for the GEF approval. - On the basis of the feedback of GEFSEC, STAP, GEF agency, GEF Council Members etc. assist in the preparation of necessary responses/ revisions if required until such times as the project is either approved or rejected.