



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

Submission Date: 25 September 2009

GEFSEC PROJECT ID¹: 4055

GEF AGENCY PROJECT ID: 4315

COUNTRY: Senegal

PROJECT TITLE: Technology Transfer: Typha-based Thermal Insulation Material Production in Senegal

GEF AGENCY: UNDP

OTHER EXECUTING PARTNER(S): Direction de l'Environnement et des Etablissements Classés (DEEC), Direction Nationale de l'Industrie, Direction Nationale de l'Energie, Agence Nationale de la Recherche Scientifique Appliquée (ARESA), SOCOIM Industries (Groupe Vicat, Senegal), Ciments du Sahel (Senegal), Naporo Klima Dämmstoff GmbH (Austria), Ort_GangArchitektur (Austria), International Organization for Migration (IOM).

GEF FOCAL AREA(S): Climate Change

GEF-4 STRATEGIC PROGRAM(S): Strategic Program on Technology Transfer

NAME OF PARENT/PROGRAM/UMBRELLA PROJECT: N/A

A. PROJECT PREPARATION TIMEFRAME

Start date	December 2009
Completion date	September 2010

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 (\$)

To meet its objectives, the project needs to bring together many pieces, from the harvesting of *typha australis*, its drying, compacting and aggregating fibers with cement to the fastening technique of new thermal insulation panel on the building shell. Elements of the process are already well tested and mastered in some European institutes which are already part of the project team. The project will transfer the technique and the know-how, but tailoring each specific production and manufacturing step to the Senegalese conditions and industrial context will represent the core set of project activities.

The PPG intends to prepare in details each specific part of the project. Special preparatory work is envisaged for the design and investments in the manufacturing of typha insulating panels.

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

Activities carried out during the preparatory phase will make it possible to consolidate and supplement the existing information on the technical and economic aspects of the typha transformation and processing (PPG component 1). This will allow for a clear assessment of the technology transfer and the design of a production line (PPG component 2) for the innovative insulation material. Developing the technique to fasten the insulation panel to building shell and identifying the most efficient way to adapt the new technique to the local construction practices in Senegal will be carried out in PPG component 3. A fourth and final PPG component will deliver the logical framework analysis, the project document and executive summary.

List of Proposed Project Preparation Activities	Output of the PPG Activities	Project Preparation Amount (a)	Co-financing (b)	Total c = a + b
1. In-depth analysis of the transformation and processing	<ul style="list-style-type: none"> - Implemented exhaustive literature review on Typha (biology, biodiversity, water management, cartography) and typha transformation; - Completed consultation of local population in Senegalese rivers where typha proliferates; - Analyzed typha cutting and harvesting techniques, drying process and logistics. 	20,000	20,000	40,000
2. Assessment of the technology transfer and design of a production line	<ul style="list-style-type: none"> - Established partnership with industrial partners; - Finalized preliminary design and scaling of production line; - Assessed investment needs and cost of technology transfer. 	25,000	25,000	50,000
3. Adapting insulation technique to construction practice	<ul style="list-style-type: none"> - Analyzed potential solutions for embedding thermal insulation in Senegal common construction technique; - Completed consultation with building stakeholders on both the technique and building codes; - Assessed the needs of the construction industry to adopt the innovative thermal insulation material. 	20,000	20,000	40,000
4. Finalization of the project document, work program and funding plan.	<ul style="list-style-type: none"> - Defined the logical framework with the project goal, objective, outcomes, outputs and activities; - Identified quantitative and qualitative indicators; - Defined the Monitoring & Evaluation plan; - Defined the roles and responsibilities of the various institutions and actors involved in project implementation; - Final Project Document and Executive Summary. 	35,000	35,000	70,000
Total Project Preparation Financing		100,000	100,000	200,000

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

	Project Preparation	Agency Fee
GEF financing	100,000	10,000
Co-financing	100,000	
Total	200,000	

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

GEF Agency	Focal Area	Country Name/ Global	(in \$)		
			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)	15 000	50 000	65 000
International consultants*	10 (GEF)	55 000	40 000	95 000
Travel		20 000		20 000
Other (communication, consultation meetings, reporting, office, stationary)		10 000	10 000	20 000
Total PPG Budget		100 000	100 000	200 000

* 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		09/25/2009	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 ¹	Estimated PWs ²	Tasks to be performed
Local			
Agro Specialist in invasive typha	1500	5	<ul style="list-style-type: none"> - Organize consultations with local population where typha proliferates; - Identify opportunities for organizing the processing of typha (collection, drying, transport, etc.); - Conduct negotiations with local and national potential partners; - Support in analyzing the feasibility of project activities; - Support resource mobilization.
Senior Advisor building and construction	1500	5	<ul style="list-style-type: none"> - Provide detailed analysis of investments needs, support to mobilization of Senegal construction industry and material manufacturing; - Contribute to project strategic framing; - Identify potential candidate building for project demonstration; - Develop the mobilization strategy for building stakeholders (investors, architects, builders); - Support the development of a strategy to perpetuate project achievements regarding existing and future building regulations.
International			
Senior Specialist in innovative thermal insulation	2500	10	<ul style="list-style-type: none"> - Support strategic framing of preparatory phase activities and coordinate inputs from the national partners and project consultants; - Provide technical assistance to project design; - Support framing and development of the project strategy; - Support planning of project activities; - Define the project's logical framework and action plan.
International Consultant (climate change and technology transfer)	2500	12	<ul style="list-style-type: none"> - Coordinate PPG activities and ensure output quality; - Analyze the incremental character of the project's proposed activities and ensure efficient execution of the proposed approach; - Facilitate the confirmation process for financial commitments and define the funding plan; - Support development of the project document including a detailed budget, detailed work plan and executive summary, all in compliance with UNDP and GEF standards.

¹ Provide dollar amount per person week.

² Provide person weeks needed to carry out the task and corresponds to the dollar amount per person week in the previous column.