

PREPARATION OF THE ECOHOUSE HOUSING PROGRAM

ME-T1202

CERTIFICATION

I hereby certify that this operation was approved for financing under the Clean Technology Fund (CTF), through a communication dated on January 24, 2012 and signed by Guadalupe Calderón (ORP/GCM). Also, I certify that resources from the Clean Technology Fund (CTF) are available for up to US\$265,000, per commitment of funds by the CTF Trustee dated June 7, 2011, in order to finance the activities described and budgeted in this document. This certification reserves resources for the referenced project for a period of six (6) calendar months counted from the date of eligibility from the funding source. If the project is not approved by the IDB within that period, the reserve of resources will be cancelled, except in the case a new certification is granted. The commitment and disbursement of these resources shall be made only by the Bank in US dollars. The same currency shall be used to stipulate the remuneration and payments to consultants, except in the case of local consultants working in their own borrowing member country who shall have their remuneration defined and paid in the currency of such country. No resources of the Fund shall be made available to cover amounts greater than the amount certified herein above for the implementation of this operation. Amounts greater than the certified amount may arise from commitments on contracts denominated in a currency other than the Fund currency, resulting in currency exchange rate differences, for which the Fund is not at risk.



Sonia M. Rivera
Chief a.i.
Grants and Cofinancing Management Unit
ORP/GCM

07/03/2012

Date

APPROVAL

Approved:



Walter Vergara
Division Chief
Climate Change and Sustainability Division
INE/CCS

07/09/2012

Date

TC Document
Preparation of the “Ecocasa” Housing Program

I. Basic Information for TC

- Country/Region: Mexico
- TC Name: **Preparación del Programa de Vivienda “Ecocasa” / Preparation of the “Ecohouse” Housing Program**
- TC Number: ME-T1202
- Team Leader/Members: Claudio Alatorre (INE/CCS) Team Leader; Gisela Campillo (INE/CCS); Ramón Guzmán (ICF/CMF); Leticia Riquelme (CMF/CME); Gmelina Ramirez (CCS/CME); Maria Isabel Haro (IFD/CMF); Juan Carlos Pérez-Segnini (LEG/SGO); Ernesto Monter (VPS/ESG); Víctor Escala (PDP/CME); Gloria Coronel (PDP/CME); Gloria Lugo (IFD/CMF).
- Indicate if: Operational support
- If Operational Support, TC give number and name of Operation Supported by the TC: ME-L1121
- Reference to Request¹: IDBDOCS#36680760
- Date of TC Abstract: December 12th
- Beneficiary (countries or entities which are the recipient of the technical assistance): Sociedad Hipotecaria Federal (SHF), Mexico
- Executing Agency and contact name: Sociedad Hipotecaria Federal (SHF), Mexico.
- IDB Funding Requested: USD265,000
- Local counterpart funding, if any:
- Disbursement period (which includes execution period): June 2012-June 2013
- Required start date: June 15th, 2012
- Types of consultants (firm or individual consultants): firm and individual consultants
- Prepared by Division: INE/CCS
- Division of Disbursement Responsibility : CME.
- Included in Country Strategy (y/n) n; TC included in CPD (y/n): y
- GCI-9 Sector Priority: CLIMATE CHANGE AND ENVIRONMENTAL SUSTAINABILITY

II. Description of the Associated Loan/Guarantee

a. Background:

Sustainable houses (houses with improved thermal performance, less lifecycle emission-intensive building techniques, more efficient water using devices, and transport-based location criteria) offer a number of benefits to their dwellers (comfort, energy savings) to urban infrastructure and to the national economy. But they also significantly contribute to the mitigation of climate change, and are in fact crucial to enable Mexico to reach its goal of GHG emission reductions of 50% by 2050. Due to these synergies between its development and climate benefits, sustainable housing is located at the intersection between this country's housing and climate change policies, and carbon has become a proxy for the multiple benefits of sustainable housing.

There are a number of initiatives within Mexico's government agencies engaged in Housing that have been aiming at improving the sustainability of Mexico's housing stock, in particular the

¹ A copy of the Letter of Request, Programming/Portfolio Review Mission Aide Memoire or Report requesting the TC should be submitted with the Abstract.

Hipoteca Verde (green mortgage) Program of the National Housing Fund (INFONAVIT) and the *Estas tu Casa* subsidy Program of the National Housing Commission². Both offer supplemental loans that cover the incremental cost of energy-efficient appliances in new homes³.

Mexico's efforts to mitigate climate change, including sustainable housing, are set to become even more ambitious today, thanks to the approval (in April) in the Mexican Congress of the First General Law against Climate Change. The new law contains many sweeping provisions to mitigate climate change, including a mandate to reduce emissions of carbon dioxide by 30% below business-as-usual levels by 2020, and by 50% below 2000 levels by 2050. Furthermore, it stipulates that 35% of the country's electricity should come from renewable sources by 2024, and requires mandatory emissions reporting by the country's largest polluters. The act also establishes a commission to oversee implementation, and encourages development of a carbon-trading scheme.

This wide array of initiatives in the housing sector in Mexico showing climate leadership and promoting sustainable growth, especially in low-and medium income markets, has resulted in the implementation of the world's first Nationally Appropriate Mitigation Action (NAMA⁴) in the housing sector, intended to promote the use of energy-efficient appliances and building designs, and permit technology up-scaling to make new homes increasingly efficient as the program develops. The NAMA concept is based on the whole-house approach, not focusing on isolated energy efficiency and renewable energy measures in housing, but in performance. The NAMA has designed three levels of energy efficiency and renewable energy for standard housing units in the different climatic areas in Mexico: Ecocasa I, Ecocasa II and Passiv Haus Level.

The ECOCASA Program will last for 5-7 years. In its first round, the program will target a group of companies invited by SHF, which have experience in the planning and construction of low-carbon housing (in the first round only the thermal performance will be considered). In subsequent phases the process will be developed in an open manner and extra support will be provided to the less experienced developers. Short-lived bridge loans will be provided through a revolving fund, and reinvested in successive phases. Housing developers will need to submit housing projects that meet some minimum GHG emission reductions when assessed by means of a simulation system, in order to have access to the concessional loans. Such loans are aimed at compensating the additional investment in the low-carbon houses, so that they can reduce the difference vis-a-vis the price of standard houses of similar characteristics. In parallel, IDB ordinary capital resources will be used to create *Hipoteca Verde* products among financial intermediaries that currently lack such tailored products. The immediate outcome of the program will be the construction of houses with lower lifecycle GHG emissions (including both the construction and the lifetime stages. In addition to this, it is expected that the program will provide additional, long-lasting benefits to the housing sector in Mexico, as (i) the Program will be an integral part of the NAMA Program, joining targeted efforts with the relevant actors in the housing sector and contributing to the mainstreaming of sustainability criteria in the housing industry ; (ii) more municipal and state governments will be able to incorporate sustainable housing tools into their housing and urban policies; (iii) more financial intermediaries will offer financial products designed in accordance with the particularities of sustainable houses; (iv) an increasing number of home buyers will be aware of the long-term

² <http://idbdocs.iadb.org/wsdocs/getDocument.aspx?Docnum=36785280>

³ CONAVI and INFONAVIT jointly defined the green criteria as a set of basic eco-technologies: (i) Fluorescent energy efficient lighting; (ii) solar water heater; (iii) high-efficiency gas heater (hybrid of solar and gas); (iv) thermal insulation; (v) water saving toilets, shower-heads and faucets; (vi) organic and inorganic waste containers, and (vii) water and electricity meters. The use of some of these criteria, such as the solar water heater and the thermal insulation, are dependent on the climate zone.

⁴ <http://idbdocs.iadb.org/wsdocs/getDocument.aspx?Docnum=36859475>

benefits sustainable houses provide, and (v) the housing industry will have a better knowledge about improved architectural and building approaches and techniques.

The proposed Program is aligned with the NAMA concept and SHF and CONAVI are working together with IDB (and KfW for this purpose) to be part of the NAMA umbrella. Worldwide experience shows that performance-based systems are more cost-effective, as they enable housing developers to choose the most appropriate means to achieve emission reductions vis-à-vis a baseline. The NAMA includes an evaluation tool, the DEEVI, based on the Passive House Planning Package (PHPP) prepared by the German Passive House Institute. The package is based in large part on European and International norms and algorithms and is a design tool for low-energy consumption buildings in Germany and elsewhere. This calculation tool has been calibrated by comparing simulations with measured and monitored results of hundreds of buildings. This tool is being adapted to the Mexican case with the support of GIZ and INFONAVIT and will be a basic tool for our program. In parallel, INFONAVIT is developing a rating system for sustainable housing, which considers thermal performance, the efficiency of household devices, water usage, and urban infrastructure.

With the objective of maximizing the level of penetration of highly ambitious energy efficiency standards into the Mexican housing sector a limited number of houses, between 700 and 1000 units, shall match the most ambitious energy efficiency standard as defined in the NAMA, the Passive House Standard, using resources from the Latin American Investment Fund of the European Commission (LAIF)⁵. Applying this standard a reduction from about 80-90% of CO₂ emissions with respect to the baseline reference case can be achieved. This component of the Program will also be tentatively included in the M&E Program, if the resources are granted.

In order to support these efforts, the Bank, as an executing agency for the Clean Technology Fund (CTF), will request to the CTF Trust-Fund Committee (TFC) USD 51.6 million in concessional loan and grant resources. These resources would be channeled, together with USD50 million of the resources of the Bank's ordinary capital, for the implementation of the ECOCASA Program. In addition, the German bank KfW will provide an additional concessional loan of EUR 80 million.

The general objective of the ECOCASA Program is to contribute to the reduction of GHG emissions in the Housing sector in Mexico. This will be achieved by assisting SHF to provide financing for housing developers to build housing projects that meet GHG reduction goals established by the Program as well as mortgages that follow CONAVI's sustainability criteria. The program envisages: (i) to develop and implement, building on the existing efforts, simulation, rating, inspection, and monitoring procedures addressing the thermal performance. SHF is planning on including other criteria such as water usage, accessibility (location) and building material lifecycle aspects of houses; (ii) to strengthen the capacities of the housing industry and housing finance institutions for the financing and construction of low-carbon housing through the provision of bridge loans to housing developers, as well as technical studies and training opportunities; (iii) to disseminate knowledge on low-carbon housing among the public, industry, universities, and government institutions at the national and local level, and (iv) to provide inputs to support the development of public policies for low-carbon housing. This TC aims to support the preparatory and initial activities of the ECOCASA Program. The resources for this technical cooperation were approved by the CTF TFC on May 2nd, 2011. The ECOCASA Program itself will be submitted to the CTF Committee, tentatively in June 2012.

⁵ <http://idbdocs.iadb.org/wsdocs/getDocument.aspx?Docnum=36837343>

III. Objectives and Justification of the TC

Objective: The objective of this TC is to support the Preparation of the ECOCASA Program (to be submitted to the CTF tentatively in June 2012) through (i) technical studies to assess the calculation of the GHG emission factors of hot and cold water as well as bottled water; (ii) Elaboration of the DEEVI manual for Mexico (adapted from the PHPP of the Passive House Institute); (iii) Workshop on the Passive House Concept aimed at SHF and the developers; (iv) technical study to determine the reduction of transport-related emissions of the inhabitants of a house, as a function of the location of the house and (v) assistance to SHF in the design of a methodology for inspection of sustainable houses.

The Program will be supported by a Technical Coordinator based in Mexico City who will serve as focal point between IDB, SHF, KfW, the developers and other stakeholders and will ensure the seamless implementation and preparation of the Program. The Coordinator will also be financed from the resources of this Technical Cooperation.

Alignment with the Work of the IDB in the sector in Mexico: The SHF Low Carbon Housing Program is aligned with the IDB's Country Strategy with Mexico in two intervention areas:

- A. Housing, by increasing the availability of construction finance
 - B. Climate Change, by strengthening federal and sub-national institutional capacities to implement climate change mitigation programs; and Reducing Greenhouse Gas (GHG) emissions.
- A. In 2001 the loan 1298/OC-ME for US\$505 million was approved to promote the expansion of the housing sector activities through FOVI, and in 2003 this loan was transferred to the Federal Mortgage Society (SHF) to continue their execution until its conclusion in December 2010. This program had as its main aim to facilitate access of lower income and informal to the mortgage market. It also included a Technical Assistance component of the program mainly supported the modernization of the public records of the property in 5 states and validated nearly 4 million registry entries.

The IDB approved at the end of 2008 a program of support to the Housing Sector in Mexico:

- A USD2,500 million Conditional Credit Line for Investment Operations (CCLIP) to SHF to Support Business Development in Mexico⁶
 - Infonavit's Mezzanine Finance Facility⁷, a Support Line for the purchase of low-income mortgage-backed bonds (RMBS)
 - A series of Technical Cooperation Activities, including the evaluation and monitoring of integrated sustainable urban development (DUIS for its Spanish acronym)
- B. The GoM has established in its Special Climate Change Program (PECC, for its Spanish Acronym) a reduction target of 50.6 tCO₂e in 2012 and a long-term vision for the "decarbonization" of the economy where the aspiration for 2050 is a 50% reduction in carbon equivalent emissions based on the levels of 2000. The housing sector has been recognized as a fundamental element in the structure of the energy demand of the country, consuming more than a quarter of total electricity and a high percentage of LP gas, while expanding its natural gas demand. The PECC provides a target for GHG mitigation of tCO₂e 2.1 million for the period 2008-2012 with the implementation of housing projects, efficient and green mortgages. The Sustainable Housing Program is not only considered in the 2008 National Housing Program 2008-2012 but also in the

⁶ ME-X1010 CCLIP

⁷ ME-L1062

National Program for Sustainable Energy 2009-2012 (PRONASE, for its Spanish Acronym). There have also been federal policy programs like the Sustainable Housing Development Plan and the Transversal Sustainable Housing Program, the latter one implemented by the SEMARNAT, SENER and CONAVI and that aims at construction 1 million of sustainable homes by 2012. Furthermore, Mexico has engaged international support through establishing programmatic CDM activities (PoA) to channel carbon finance towards the sustainable housing sector.⁸

IV. Description of activities/components and budget

Component 1: Determine three emission factors taking into account: (i) water in general, including distribution and treatment; (ii) the use of hot water and (iii) the direct and indirect emissions due the use of water filters. The results of the study will provide the necessary information to define three conversion factors in order to better establish the GHG reductions to be reached through the implementation of the Program and maintain a common indicator for the results of the design and ecotechnologies used. 1.8 Three complementary emission factors are needed by the housing institutions and housing policy makers in Mexico to assess the contribution of water use technologies to climate change mitigation, including the NAMA.

Component 2: Elaboration of the DEEVI Manual. With the purpose of developing the “whole-House approach” and foster innovative and cost-effective solutions to sustainable construction and design, GIZ, CONAVI and INFONAVIT have been working together with the Passiv Haus Institute (PHI) and GOPA-Integration to develop a simulation tool (DEEVI) based on their existing Passiv House Planning Package (PHPP) software. This tool would allow for the evaluation of projects regarding their performance linked to energy consumption to be submitted to the housing finance institutions and will be an integral part of the eligibility assessment. The adaptation of the PHPP to the Mexican case is currently under development under the funding of the GIZ and will be ready to use by the end of July 2012. This component will support the development of the user’s manual.

Component 3: Workshop on the Passive House Concept 1.1 This consultancy will provide housing developers with a workshop on the concept of Passive House, the tools to design and build the houses and advanced knowledge on their performance, benefits and building materials, adapted to the Mexican climate and socio-economic conditions.

Component 4: Technical Study to determine the reduction of transport-related emissions of the inhabitants of a house, as a function of the location of the house. This implies;

- a. A model that provides the transport carbon footprint of a house according to its location at the scale of the basic statistic geographical units (AGEB).
- b. The carbon footprint of houses in a baseline scenario, namely considering where houses are being built in the absence of the Program at a city scale.

This will enable the program to consider location-related emission reductions. Moreover, this might feed the ongoing efforts regarding the criteria used to grant subsidies and/or feed housing policies to be developed. The influence of location of the developments is being recognized in Mexico, as evidenced by the most recent Operational Guidelines for 2012 published by CONAVI in December 2011 to establish the criteria to grant subsidies.

Component 5: development of a methodology for inspection of the ECOCASAS within SHF, in order for them to perform basic monitoring and internal reporting of the construction of the houses financed by the Program.

⁸ From the NAMA

The TC will also finance a **Technical Coordinator in Mexico** to support the implementation of the Program and ensure the necessary coordination among the stakeholders (SHF, IDB, KfW, SHCP, Developers, CONAVI.) This TC will finance the incorporation of a consultant in SHF's Headquarters which will be in charge of: (i) coordinating efforts of SHF and the IDB to implement the Program; (ii) establish a close dialogue with the developers to control the quality of the proposals and the exchange of information and timely and effective achievement of the Program's goals; (iii) establish dialogue with the consultants hired to perform the remaining tasks. This TC will finance the first year of implementation of the Program.

Indicative Results Matrix

Component/Product	Baseline		Target	Expected Completion Date
	Value	Year		
Component 1: Analysis of the relationship between reduction in the consumption of bottled water due and CO_{2eq} emissions in the Housing Sector and the potential for emissions reductions.				
Product 1: Technical study to determine the three GHG emission factors of water in the housing sector and establish the potential for reducing GHG emissions by reducing water consumption in the sector.	0	2011	1 report with the agreed factors for Mexico	October 2012
Component 2: Elaboration of the DEEVI Manual.	0	2011		
Product 2: DEEVI Manual.	0	2011	DEEVI manual in Spanish to be used by SHF and developers	october2012
Component 3: Passive House Workshop	0	2012	1 workshop conducted	Aug-Sept-Oct 2012
Component 4 Technical study on Co2 emissions and location of developments				
Technical study to establish the relationship between the location of Housing developments in Mexico and the indirect emissions due to transport that they produce taking into account data from Mexican Cities	0	2011	1 technical study with criteria to establish the emissions associated to the location of the developments for Mexican cities	March 2013
Component 5: Specific Training for SHF Inspectors in Sustainability measures in Housing		2011	1 training exercise and training manual delivered	October 2012

Indicative Budget

Activity/Component	IDB/Fund Funding (USD)	Total Funding (USD)
Technical study CO _{2eq} emission factor of water in the housing sector linked to consumption of bottled water and establish the full potential for reducing GHG emissions by reducing water consumption in the sector.	15,000	15,000
Definition of inspection procedures in SHF	10,000	10,000
Passive House workshop	20,000	20,000
Elaboration of the DEEVI manual (PHI)	60,000	60,000
Technical Coordinator for the Program based in Mexico	70,000	70,000
Technical study to establish the relationship between the location of Housing developments in Mexico and the indirect emissions due to transport	70,000	60,000
Monitoring and Evaluation	10,000	10,000
Travel expenses	10,000	10,000
Total expenses	265,000	265,000

V. Executing agency and execution structure

The IDB, through the Climate Change and Sustainability Division (INE/CCS), is the executing agency of the proposed TC. The Sociedad Hipotecaria Federal has requested the IDB to execute the TC (IDBDOCS#36721955). The proposed activities will demand the execution of highly specialized consultants, and the IDB can, through its vast network and expertise, support SHF in selecting and supervising the required experts. The high degree of specialization required for the TC will benefit from the Bank's regional experience and technical knowledge. The designated focal point in the COF will be Gmelina Ramirez (INE/CCS), Climate Change Specialist. The IDB's team will be responsible for the selection, supervision and contracting of the consulting firm/consultants, as well as the procurement of other services in agreement with IDB's Procurement Policies (GN-2350-7).

Throughout the duration of the activities, input and feedback will be sought from the client and project partners, including SHF, CONAVI, INFONAVIT, the Ministry of Finance, VESAC, among others. All products from the TC will be subject to quality review by the Bank's Project team, included in the Monitoring budget. Training or monitoring activities including regular inspection visits requested by SHF as part of this TC to IDB staff team members will be financed by this TC.

VI. Major issues

The TC does not entail any major implementation risks. The bank has identified a potential implementation risk regarding the possibility of a delay in the implementation that could harm the project due to the change in government in December 2012. The Bank and SHF are working extensively to ensure that the next administration takes office with the project already in execution. As the project contents are highly technical, there is a risk of not obtaining good-quality results. In order to mitigate these risks, 2 peer reviewers will be assigned to each of the products of technical studies. The objective of the studies and of the Design of the M&E System is to facilitate the effective preparation and design of the Program to ensure a seamless implementation. The execution of the TC by the Bank will guarantee the technical quality of the products and avoid any errors in the design. There are not social or environmental impacts likely to arise from the activities financed by this TC. On the contrary, the products are expected to generate the basis for reduced GHG emissions in low-income housing.

VII. Exceptions to Bank policy

No exceptions to the Bank's policies have been identified.

VIII. Environmental and Social Strategy

The proposed TC does not include any activity that has been identified to be susceptible to generate any negative environmental and/or social impacts. Following the Safeguard Policy Filter Report (IDBDOCS#36660251) and the Safeguard Screening Report (IDBDOCS#36660268), this TC has been tentatively classified under category "C".

IX. Required Annexes:

Annex A. Request from the client : IDBDOCS#36680760

Annex B. Terms of Reference:

- TOR PHI Workshop: IDBDOCS# 36866549
- TOR Water-CO₂ emission factors: IDBDOCS# 36860104
- TOR Coordinator: IDBDOCS# 36860106
- TORS DEEVI manual: IDBDOCS# 36860110
- TORs SHF Inspection: IDBDOCS# 36867080
- TORS Location emissions: IDBDOCS# 36860109

Annex C. Procurement Plan: IDBDOCS#36860289

Oficio No. 347.A.- 022

Subsecretaría de Hacienda y Crédito Público
Unidad de Asuntos Internacionales de Hacienda
Dirección General Adjunta para América del Norte,
Asia-Pacífico y el Caribe

SECRETARÍA DE HACIENDA
Y CRÉDITO PÚBLICO



SRA. GINA MONTIEL

Gerente del departamento de Países de
Centroamérica, México, Panamá y
República Dominicana
Banco Interamericano de Desarrollo
Washington, D.C.

México, D.F., 13 de febrero de 2012.

Hago referencia al proyecto en preparación para promover la oferta de vivienda sustentable en México a ser financiada a través de financiamiento del Clean Technology Fund, a través del Banco Interamericano de Desarrollo (BID), que será contratado por la Sociedad Hipotecaria Federal (SHF).

Al respecto, me permito solicitar a usted realizar las gestiones a fin de que ese organismo financiero internacional gestione la obtención de los recursos para la operación de referencia. Este proyecto será complementario al Tercer Programa Global de Crédito para el Desarrollo de Mercados Hipotecarios Eficientes e Inclusivos en México.

Sin otro particular por el momento, aprovecho la ocasión para reiterar a usted la seguridad de mi más atenta y distinguida consideración.

Atentamente,

Por ausencia del Titular de la Unidad, y con fundamento en el
artículo 105 del Reglamento Interior de la SHCP
La Directora General Adjunta,

Claudia Grayeb Bayata

MEXICO

WORKSHOP ON THE PASSIVE HOUSE CONCEPT FOR THE SHF-KFW-IDB 'ECOCASA' PROGRAM IN MEXICO

TERMS OF REFERENCE

I. BACKGROUND

- 1.1 The proposed Terms of Reference (ToRs) are part of a technical cooperation package included in the proposal "Mexico CTF-IDB Group Energy Efficiency Program, Part I" that was approved by the Trust-Fund Committee of the Clean Technology Fund (CTF) on May 2nd, 2011. This TC aims to support the preparation of the second part of this program (Public Sector Component as described in the mentioned proposal), to be presented to the CTF Committee, tentatively in June 2012. This second part will support Sociedad Hipotecaria Federal (the Mexican Federal Mortgage Corporation, SHF, a National development Bank) in form of loans and technical assistance and will be called ECOCASA Housing Program.
- 1.2 The proposed program ECOCASA¹ Program seeks to make the already existing model for green housing in Mexico more energy-efficient. The existing CONAVI /INFONAVIT criteria for "green" subsidies include only eco-technologies that are added to standard homes. Furthermore, the criteria are defined in terms of specific features of the homes, and not on their performance. The Program will incorporate performance-based criteria, such as a given energy consumption reduction vis-à-vis a baseline, so that developers will be able to find the most cost-effective ways to achieve energy savings. This performance-based approach in line with the first Sustainable Housing NAMA recently presented by the Government of Mexico (GoM). The Program plans to include, in addition to the thermal performance, criteria related to location, materials and water savings.
- 1.3 The Program will also disseminate to the public the advantages of integral sustainable homes, both in design, energy efficiency and reduced water consumption, and provide the developers with incentives to improve the environmental performance of their operations, as well as establish an innovative way of designing with the goal to mainstream this practice. The Program will last between 5 and 7 years. In its first round, the program will target a group of companies invited by SHF, which have experience in planning and construction of energy efficient housing. In subsequent rounds the process will be developed in a more open manner and extra support will be provided to the less experienced developers.
- 1.4 In order to maximize the level of penetration of energy efficiency standards into the Mexican housing sector, IDB, SHF and KfW gave requested the support of the European Commission Latin American Investment Fund (LAIF) to finance a limited number of houses, approx. 5-10% of the total units under the Program depending on the final mechanisms structure that shall match the most ambitious energy efficiency standard as defined in the NAMA, the Passive House Standard.

¹ IDBDOCS#36838925

- 1.5 Applying this standard, a reduction from about 80-90% of CO2 emissions with respect to the baseline reference case can be achieved. However, according to a study elaborated by the Passive House Institute for Mexico (2012) additional investments associated to the passive house standard –which fluctuate from USD 7,000 to 17,000 depending on the climatic regions where the house is located –a period of 30 years is required to repay the investment through energy savings under the current market conditions. This extreme long-term repayment period acts as an unbearable barrier for investors.
- 1.6 The workshop proposed in this TORs would have the following objectives: (i) allow housing developers and SHF to know best practice designs in terms of energy efficiency and aim at reaching the most ambitious scale of the NAMA (Passive House standard); (ii) give them the tools to design and build pilot cases, possibly with LAIF resources or with their own; (iii) serve CTF's knowledge transfer purpose.

II. OBJECTIVE OF THE CONSULTANCY

- 2.1 This consultancy will provide housing developers with a workshop on the concept of Passive House, the tools to design and build the houses and advanced knowledge on their performance, benefits and building materials, adapted to the Mexican climate and socio-economic conditions.

III. CHARACTERISTICS OF THE CONSULTANCY

- 3.1 Type of consultancy: travel and Mexico City.
- 3.2 Type of contract: Daily contract
- 3.3 Estimated number of working days: 5
- 3.4 The team will include members with qualifications such as:
 - a. Demonstrated experience of at least 5 years with energy efficiency, energy simulation of energy and energy efficiency programs in housing.
 - b. Demonstrated experience working with the Passive House standard, as defined by the Passive House Institute.
 - c. Ability to produce high-quality workshops.
 - d. University Degree graduate, preferably in the engineering, environmental, urban, climate change, public policy fields, or in another relevant field.
 - e. Fluency in Spanish.

IV. ACTIVITIES

- 4.1 The consultant team will:
 - a. Based on the Passive House Standard of the Passive House Institute, deliver a workshop with information on the Passive House Standard, tools to design and build them, materials to use and most efficient designs, taking into account the characteristics of the Mexican climate and socio-economic conditions.

- b. Provide the IDB with the workshop materials for dissemination and replication of the training.

V. PRODUCTS

- 5.1 An outline of the workshop including contents, timeframe, activities and modules.
- 5.2 A workshop in Mexico City for the housing developers participating in the ECOCASA Program
- 5.3 A final version of the material incorporating all of IDB's comments
- 5.4 The consultant team will prepare documents in Spanish. All documents must be delivered to the IDB in electronic form and follow the IDB's requirements and template forms.

VI. COORDINATION

- 6.1 Mr. Claudio Alatorre, INE/CCS (team leader), Ms. Gisela Campillo INE/CCS will be responsible for the supervision of the consultant.

MEXICO

TECHNICAL STUDY

GHG EMISSION REDUCTIONS DUE TO WATER SAVINGS MEASURES IN HOUSING

TERMS OF REFERENCE

I. BACKGROUND

- 1.1 The National Population Council (CONAPO) estimates that in the time period from 2005 to 2030 the housing stock in Mexico will increase by 56%. In addition, electricity demand in Mexico is expected to grow at 4.8% a year, with the residential sector currently accounting for around 15% of total energy use in the country and for 25.8 percent of total electricity use. Poorly built buildings are one major contributor to a significant increase in energy use in the commercial and residential sectors. They also use water in an inefficient way, and therefore contribute to GHG emissions. In order to support the efforts of the SHF to promote sustainable housing construction, the Bank is currently in the final stages of preparation of a Sustainable Housing Program with resources from the CTF and the Bank.
- 1.2 The proposed “Ecocasa” Housing Program seeks to make the already existing model for green housing in Mexico more energy-efficient. The existing CONAVI/INFONAVIT criteria for “green” subsidies include only eco-technologies that are added to standard homes, and do not include any guidelines for architectural design, building processes and materials, or urban design, aimed at increasing the homes’ passive heating or cooling attributes. Furthermore, the criteria are defined in terms of specific features of the homes, and not on their performance. The Program will incorporate performance-based criteria, such as a given energy consumption reduction vis-à-vis a baseline, so that developers will be able to compete to find the most cost-effective ways to achieve energy savings.
- 1.3 The proposed Terms of Reference (ToR) are part of a technical cooperation package included in the proposal “Mexico CTF-IDB Group Energy Efficiency Program, Part I” that was approved by the Trust-Fund Committee of the Clean Technology Fund (CTF) on May 2nd, 2011. This TC aims to support the preparation of the second part of this program (Public Sector Component as described in the mentioned proposal), to be presented to the CTF Committee, tentatively in June 2012.
- 1.4 As part of the eligibility requirements of the Program, minimum GHG reductions, compared to a defined baseline case for each of the climate zones and building types will be determined. SHF is considering including additional measures such as savings due to a reduction in water use (both hot and cold water) and reduction in the use of bottled water due to the installation of filters. GHG emissions related to water come from different sources. Hot water uses energy for the heating process (with or from gas or from electricity) and water supply (hot and cold) involves water treatment, pumping the water, distributing the water, etc.
- 1.5 On the other hand, according to a 2010 report from the Beverage Marketing Corporation, Mexico ranks first in the consumption of bottled water worldwide per capita. Consumption of bottled water reached 234 liters per year. Consumption per

capita is more than double than that of the U.S. (110) and the volume represents 13% of global sales of bottled water.

- 1.6 According to a UN statement "The power of the consumer", in Mexico the bottled water market has grown steadily, with annual growth of 8.1%. Only between 2004 and 2009 this market grew 40%. Currently, sales of bottled water amounts to 26,032 million liters a year, of which an estimated 18,222 million (70%) were sold in jugs and 7,809 million (30%) in individual bottles, with all the consequences that this implies to the family economy and in particular to the environment. It is estimated that in 2009 more than 7.8 billion PET non-returnable plastic bottles of bottled water were discarded, exacerbating the problems of waste generation and management of municipal solid waste, as well as becoming a source of contamination and that the degradation of PET produces toxic waste. Public perception about tap water is very negative, even if recent studies show that many brand bottled waters have the same quality as tap water.
- 1.7 Three kinds of measures can be included in houses to reduce water-related GHG emissions: (i) by reducing water consumption through water-saving devices such as efficient shower heads, rainwater harvesting or water-recycling technologies, the emissions related to pumping and treatment are reduced; (ii) by reducing the consumption of hot water and hence reducing the consumption of electricity and gas and (iii) by using water filters to increase the consumption of tap water vs. bottled water. The emissions associated to bottled water include the whole lifecycle of the bottle (products used, bottling process, transportation, etc.), that is very energy consuming. Nevertheless there are currently no reliable and used factors for Mexico to assess the emissions related to water use.
- 1.8 Three complementary emission factors are needed by the housing institutions and housing policy makers in Mexico to assess the contribution of water use technologies to climate change mitigation, including the NAMA.

II. OBJECTIVE OF THE CONSULTANCY

- 2.1 The objective of this consultancy is to determine the different CO₂ emission factors of water in the housing sector in Mexico, taking into account: (i) water in general, including distribution and treatment; (ii) the use of hot water and (iii) the direct and indirect emissions due the use of water filters. The results of the study will provide the necessary information to define three conversion factors in order to better establish the GHG reductions to be reached through the implementation of the Program and maintain a common indicator for the results of the design and eco-technologies used.

III. CHARACTERISTICS OF THE CONSULTANCY (INDIVIDUAL CONSULTANT OF CONSULTING TEAM)

- 3.1 Type of consultancy: office-based
- 3.2 Type of contract: Daily contract
- 3.3 Estimated number of working days: 20

3.4 Place of work: Desk-based

3.5 Qualifications:

- a. Demonstrated experience of at least 5 years with lifecycle assessments or carbon footprinting.
- b. Excellent drafting ability and communication skills, both written and oral; proven ability to communicate complex concepts and prepare reports that are clear, concise and meaningful.
- c. Ability to produce high-quality outputs in a timely manner while understanding and anticipating evolving client and project needs.
- d. University Degree graduate in engineering.

IV. ACTIVITIES

4.1 The consultant will:

- a. Review existing literature and methodologies such as the Gold Standard methodology, UNFCCC MDL as well as the work currently being undertaken by CONAGUA for the Alianza Azul program.¹
- b. Develop emission factors for water as discussed in the objectives.
- c. Prepare a report with the findings and emission factors.

V. PRODUCTS

- 5.1 A draft technical report including the methodology, a review of the tools used and the three CO₂ emission factors for the household.
- 5.2 A final version of the report incorporating all of IDB's comments
- 5.3 The consultant will prepare documents in Spanish. All documents must be delivered to the IDB in electronic form and follow the IDB's requirements and template forms.
- 5.4 The Bank reserves the right to publish final reports, under its own name on its website or in print, with or without changes to the content of the document presented by the consultant.

VI. COORDINATION

- 6.1 Mr. Claudio Alatorre, INE/CCS (team leader), Ms. Gisela Campillo will be responsible for the supervision of the consultant.

¹ IDBDOCS#36901338

MEXICO
COORDINATOR FOR THE SHF-KfW-IDB LOW CARBON HOUSING PROGRAM IN
MEXICO

TERMS OF REFERENCE

I. BACKGROUND

- 1.1 Toward 2030, as projected by the Social Development Ministry (SEDESOL), demand for residential construction in Mexico will intensify especially in cities due to a significant growth in the urban population. The National Population Council (CONAPO) estimates that in the time period from 2005 to 2030 the housing stock in Mexico will increase by 56%. In addition, electricity demand in Mexico is expected to grow at 4.8% a year, with the residential sector currently accounting for around 15% of total energy use in the country and for 25.8 percent of total electricity use. Poorly built buildings are one major contributor to a significant increase in energy use in the commercial and residential sectors. Lighting, air-conditioning especially in warm climate areas of the country, and home appliances are expected to be the main growth areas of residential electricity demand in Mexico. It can be concluded that aggressive energy efficiency measures in the building sector will be a crucial element to enable the country to reach its goal of GHG emission reductions of 50% by 2050. In order to support the efforts of the SHF to promote sustainable housing construction, the Bank, as an agency for channeling resources from the Climate Investment Funds (CIF) provides for the mobilization of an additional loan amounting to U.S. \$ 50 million from the Clean Technology Fund (CTF). These additional resources would be channeled, together with USD50 million of the resources of the Bank's ordinary capital of this operation, for the implementation of energy efficiency measures in housing developments, with emphasis on those that increase the effectiveness of SHF's action in terms of reducing CO₂eq emissions and help to develop sustainable housing market in Mexico.
- 1.2 The proposed ECOCASA program seeks to make the already existing model for green housing in Mexico more energy-efficient. The existing CONAVI /INFONAVIT criteria for "green" subsidies include only eco-technologies that are added to standard homes, and do not include any guidelines for architectural design, building processes and materials, or urban design, aimed at increasing the homes' passive heating or cooling attributes. Furthermore, the criteria are defined in terms of specific features of the homes, and not on their performance. The Program will incorporate performance-based criteria, such as a given energy consumption reduction vis-à-vis a baseline, so that developers will be able to compete to find the most cost-effective ways to achieve energy savings.
- 1.3 The proposed Terms of Reference (ToR) are part of a technical cooperation package included in the proposal "Mexico CTF-IDB Group Energy Efficiency Program, Part I" that was approved by the Trust-Fund Committee of the Clean Technology Fund (CTF) on May 2nd, 2011. This TC aims to support the preparation of the second part of this program (Public Sector Component as described in the mentioned proposal), to be presented to the CTF Committee, tentatively in May 2012. This second part will support Sociedad Hipotecaria Federal (the Mexican Federal Mortgage Corporation, SHF, a National development Bank) in form of loans and will be called "SHF/IDB/CTF/KfW Integral Low-Carbon Housing Program.

- 1.4 The general objective of the ECOCASA Program is to contribute to the reduction of GHG emissions in the Housing sector in Mexico. This will be achieved by providing financing for housing developers to build housing projects that meet GHG reduction goals established by the Program as well as mortgages that follow CONAVI's sustainability criteria. As part of the program it is envisioned: (i) the reinforcement of the capacities of the housing industry and housing finance institutions for the financing and construction of energy-efficient housing through the provision of bridge loans to Housing Developers that join the Program and of technical studies and training opportunities, (ii) Provide inputs to support the improvement and development of Low-carbon Housing Policies and stimulate the learning process in the different government levels; (iii) the reduction of CO2 emissions and water use in the Housing Sector in Mexico as a result of the sustainable design and ecotechnologies implemented by the Project Developers and (iv) support the improvement of the Simulation model and build on the Scoring System currently being led by INFONAVI, including criteria on location of the developments, architectural design and water consumption
- 1.5 The Program will also disseminate to the public the advantages of integral sustainable homes, both in design, energy efficiency and reduced water consumption, and provide the developers with incentives to improve the environmental performance of their operations, as well as establish an innovative way of designing with the goal to mainstream this practice. The Program will last 5-7 years. In its first round, the program will target a group of companies invited by SHF, which have experience in planning and construction of energy efficient housing. In subsequent rounds the process will be developed in a competitive manner and extra support will be provided to the less experienced developers.
- 1.6 The loan will have three components: (i) one financed by the CTF (\$ 50 mill), (ii) another financed by the IDB (\$ 50 mill), and (iii) a third source of funding for KfW (EUR80 million), that due to the internal processes of KfW will be available in early 2013.

II. OBJECTIVE OF THE CONSULTANCY

- 2.1 A consultant with extensive knowledge of sustainable housing, housing policy and program management in the public sector is required to coordinate the preparation and implementation "Low Carbon Housing Program" at the SHF Headquarters in Mexico City. The coordinator will serve as key person to establish the communication between IDB, KfW, SHF, the housing developers, GIZ and CONAVI. The coordinator will compile the information from the developers and SHF and ensure the flow of information to IDB and KfW, as a requisite for the seamless implementation of the Program.

III. CHARACTERISTICS OF THE CONSULTANCY

- 3.1 Type of consultancy: office-based
- 3.2 Type of contract: Daily contract
- 3.3 Estimated number of working days: 1 year, with option for renewal depending on available budget and need.
- 3.4 Place of work: Mexico City (SHF Headquarters)
- 3.5 Qualifications:

- a. Demonstrated experience of at least 5 years with housing or energy efficiency policy.
- b. Demonstrated experience in project/program management.
- c. Demonstrated working experience in Mexico and excellent knowledge of the housing institutions and stakeholders in the public and private housing sector.
- d. Excellent drafting ability and communication skills, both written and oral; proven ability to communicate complex concepts and prepare reports that are clear, concise and meaningful.
- e. Strong communication skills, good team player, ability to work under minimum supervision and maintain good relationships.
- f. Ability to produce high-quality outputs in a timely manner while understanding and anticipating evolving client and project needs.
- g. University Degree graduate in a relevant field such as architecture, engineering, urban design, economics, environmental science, urban, climate change, public policy fields, or in another relevant field.
- h. IT literacy.
- i. Fluency in Spanish and English.

IV. ACTIVITIES

- 4.1 The consultant will:
 - a. Review and compile information for the Program (project proposals, financial disbursements).
 - b. Prepare the necessary documents for SHF and the IDB (reports, aide memoires in the preparation and supervision missions, TORs for the needed consultancies to be developed in the framework of the Technical Assistance Package, etc.)
 - c. Maintain communication on a weekly basis with the IDB's project team.
 - d. Ensure constant communication and coordination with KfW, CONAVI, INFONAVIT, GIZ and other institutions involved in the housing sector.

V. PRODUCTS

- 5.1 Monthly reports of activities.
- 5.2 Project documents as required.

VI. COORDINATION

- 6.1 Mr. Claudio Alatorre INE/CCS (team leader), Ms. Gisela Campillo (INE/CCS) will be responsible for the supervision of the consultant.

MEXICO

DEEVI SIMULATION TOOL FOR THE SHF-KFW-IDB 'ECOCASA' PROGRAM IN MEXICO

TERMS OF REFERENCE

I. BACKGROUND

- 1.1 Toward 2030, as projected by the Social Development Ministry (SEDESOL), demand for residential construction in Mexico will intensify especially in cities due to a significant growth in the urban population. The National Population Council (CONAPO) estimates that in the time period from 2005 to 2030 the housing stock in Mexico will increase by 56%. In addition, electricity demand in Mexico is expected to grow at 4.8% a year, with the residential sector currently accounting for around 15% of total energy use in the country and for 25.8 percent of total electricity use. Poorly built buildings are one major contributor to a significant increase in energy use in the commercial and residential sectors. Lighting, air-conditioning especially in warm climate areas of the country, and home appliances are expected to be the main growth areas of residential electricity demand in Mexico. It can be concluded that aggressive energy efficiency measures in the building sector will be a crucial element to enable the country to reach its goal of GHG emission reductions of 50% by 2050. In order to support the efforts of the *Sociedad Hipotecaria Federal* (SHF, for its Spanish Acronym) to promote sustainable housing construction, the Bank, as an agency for channeling resources from the Climate Investment Funds (CIF), provides for the mobilization of an additional loan amounting to U.S. \$50 million from the Clean Technology Fund (CTF). These additional resources would be channeled, together with USD50 million of the resources of the Bank's ordinary capital, for the implementation of energy efficiency measures in housing developments, with emphasis on those that increase the effectiveness of SHF's action in terms of reducing GHG emissions and help to develop sustainable housing market in Mexico.
- 1.2 The proposed program ECOCASA Program seeks to make the already existing model for green housing in Mexico more energy-efficient. The existing CONAVI /INFONAVIT criteria for "green" subsidies include only eco-technologies that are added to standard homes. Furthermore, the criteria are defined in terms of specific features of the homes, and not on their performance. This goes in line with the Housing NAMA proposed by the Government of Mexico (GoM). The Program will incorporate performance-based criteria, such as a given energy consumption reduction vis-à-vis a baseline, so that developers will be able to find the most cost-effective ways to achieve energy savings. The Program plans to include, in addition to the thermal performance, criteria related to location, materials and water savings.
- 1.3 The proposed Terms of Reference (ToR) are part of a technical cooperation package included in the proposal "Mexico CTF-IDB Group Energy Efficiency Program, Part I" that was approved by the Trust-Fund Committee of the Clean Technology Fund (CTF) on May 2nd, 2011. This TC aims to support the preparation of the second part of this program (Public Sector Component as described in the mentioned proposal), to be presented to the CTF Committee, tentatively in June 2012. This second part will support Sociedad Hipotecaria Federal (the Mexican Federal Mortgage Corporation, SHF, a National development Bank) in form of loans and will be called ECOCASA Housing Program.

- 1.4 The general objective of the proposed Program is to enable SHF support a transformational shift towards a low-carbon housing market through the mainstreaming of integral sustainability criteria in social housing. As part of the program it is envisioned: (i) the reinforcement of the capacities of the housing industry and housing finance institutions for the financing and construction of energy-efficient housing through the provision of bridge loans to Housing Developers that join the Program and of technical studies and training opportunities, (ii) provide inputs to support the improvement and development of Low-carbon Housing Policies and stimulate the learning process in the different government levels; (iii) the reduction of CO₂ emissions and water use in the Housing Sector in Mexico as a result of the sustainable design and eco-technologies implemented by the Project Developers and (iv) support the improvement of the Simulation model and build on the Scoring System currently being led by INFONAVI, including criteria on location of the developments, architectural design and water consumption.
- 1.5 The Program will also disseminate to the public the advantages of integral sustainable homes, both in design, energy efficiency and reduced water consumption, and provide the developers with incentives to improve the environmental performance of their operations, as well as establish an innovative way of designing with the goal to mainstream this practice. The Program will last between 5 and 7 years. In its first round, the program will target a group of companies invited by SHF, which have experience in planning and construction of energy efficient housing. In subsequent rounds the process will be developed in a competitive manner and extra support will be provided to the less experienced developers.
- 1.6 With the purpose of developing the “whole-House approach” and foster innovative and cost-effective solutions to sustainable construction and design, GIZ, CONAVI and INFONAVIT have been working together with the Passiv Haus Institute (PHI) and GOPA-Integration to develop a simulation tool (DEEVI¹) based on their existing Passiv House Planning Package (PHPP) software. This tool would allow for the evaluation of projects regarding their performance linked to energy consumption to be submitted to the housing finance institutions and will be an integral part of the eligibility assessment. The adaptation of the PHPP to the Mexican case is currently under development under the funding of the GIZ and will be ready to use by the end of July 2012.

II. OBJECTIVE OF THE CONSULTANCY

- 2.1 This consultancy will complement this effort by developing a handbook/manual for the DEEVI in Spanish for its dissemination and use in Mexico, both for housing developers as well as for Housing agencies (like INFONAVIT and SHF).

III. CHARACTERISTICS OF THE CONSULTANCY

- 3.1 Type of consultancy: office-based
- 3.2 Type of contract: Daily contract
- 3.3 Estimated number of working days: 40 days
- 3.4 Place of work: Desk-based

¹ Energy Efficient Design for Housing (DEEVI for its Spanish Acronym)

3.5 The team will include members with the following qualifications:

- a. Demonstrated experience of at least 5 years with energy efficiency, energy simulation of energy and energy efficiency programs in housing.
- b. Demonstrated experience in developing project documents and technical papers on urban development, specifically in the housing sector.
- c. Demonstrated working experience in Mexico and excellent knowledge of the housing institutions and stakeholders in the public and private housing sector.
- d. Excellent drafting ability and communication skills, both written and oral; proven ability to communicate complex concepts and prepare reports that are clear, concise and meaningful.
- e. Ability to produce high-quality outputs in a timely manner while understanding and anticipating evolving client and project needs.
- f. University Degree graduate, preferably in the engineering, environmental, urban, climate change, public policy fields, or in another relevant field.
- g. IT literacy.
- h. Fluency in Spanish and English.

IV. ACTIVITIES

4.1 The consultant team will:

- a. Based on the developed DEEVI tool, provide a practical and user-friendly manual, oriented to both housing experts and users of the software for its implementation in Mexico.
- b. The manual shall comprise all the basic and advanced concepts for users to present sustainable housing project proposals to the relevant units in INFONAVIT, CONAVI and SHF.

V. PRODUCTS

- 5.1 A draft manual
- 5.2 A final version of the manual incorporating all of IDB's comments
- 5.3 The consultant will prepare documents in Spanish. All documents must be delivered to the IDB in electronic form and follow the IDB's requirements and template forms.
- 5.4 The Bank reserves the right to publish final reports, under its own name on its website or in print, with or without changes to the content of the document presented by the consultant.

VI. COORDINATION

- 6.1 Mr. Claudio Alatorre, INE/CCS (team leader), Ms. Gisela Campillo will be responsible for the supervision of the consultant.

MEXICO

DEFINITION OF INSPECTION PROCEDURES FOR THE SHF-KFW-IDB 'ECOCASA' PROGRAM IN MEXICO

TERMS OF REFERENCE

I. BACKGROUND

- 1.1 The ECOCASA Program seeks to make the already existing model for green housing in Mexico more energy-efficient. The existing CONAVI /INFONAVIT criteria for "green" subsidies include only eco-technologies that are added to standard homes. Furthermore, the criteria are defined in terms of specific features of the homes, and not on their performance. This goes in line with the Housing NAMA proposed by the Government of Mexico (GoM). The Program will incorporate performance-based criteria, such as a given energy consumption reduction vis-à-vis a baseline, so that developers will be able to find the most cost-effective ways to achieve energy savings. The Program plans to include, in addition to the thermal performance, criteria related to location, materials and water savings.
- 1.2 The proposed Terms of Reference (ToR) are part of a technical cooperation package included in the proposal "Mexico CTF-IDB Group Energy Efficiency Program, Part I" that was approved by the Trust-Fund Committee of the Clean Technology Fund (CTF) on May 2nd, 2011. This TC aims to support the preparation of the second part of this program (Public Sector Component as described in the mentioned proposal), to be presented to the CTF Committee, tentatively in June 2012. This second part will support Sociedad Hipotecaria Federal (the Mexican Federal Mortgage Corporation, SHF, a National development Bank) in form of loans and will be called ECOCASA Housing Program.
- 1.3 The general objective of the ECOCASA Program is to contribute to the reduction of GHG emissions in the Housing sector in Mexico. This will be achieved by providing financing for housing developers to build housing projects that meet CO₂ eq. reduction goals established by the Program as well as mortgages that follow CONAVI's sustainability criteria. The concessional resources of the Clean Technology Fund (CTF) channeled through SHF will be targeting the construction projects while resources from the existing CCLIP ME-X1010 will fund SHF mortgage instruments for its target segment of the population (workers not affiliated to any social security program). This program is part of a multi-pronged approach to help Mexico follow a low carbon growth path over the medium to long term, reducing GHG emissions by 2050 to half of their 2002 level. The overarching strategy of the CTF for Mexico (CTF Investment Plan) included action in the fields of renewable energy power generation, energy efficiency in the housing sector, among others, through the provision of loans and Technical Cooperation activities. The German Development Bank KfW will commit a further 80 Million Euros to leverage CTF/IDB resources in this facility. A grant proposal to the LAIF (EU Commission) is currently under preparation with KfW.
- 1.4 The Program will also disseminate to the public the advantages of integral sustainable homes, both in design, energy efficiency and reduced water consumption, and provide the developers with incentives to improve the environmental performance of their operations, as well as establish an innovative way of designing with the goal to mainstream this practice. The Program will last between 5 and 7 years. In its first round, the program will target a

group of companies invited by SHF, which have experience in planning and construction of energy efficient housing. In subsequent rounds the process will be developed in a competitive manner and extra support will be provided to the less experienced developers.

- 1.5 SHF, as the executor of the Program, has an already existing strong institutional structure to implement the Program:
- a. The General Directorate for Development and Innovation of the Housing Market, Project Coordination Unit, will be the channel of communication and contact with the IDB. In this regard, it shall perform the following activities: (i) coordination and supervision of the activities (ii) monitoring compliance with contractual commitments, and (iii) coordination of visits and mission supervision. The Directorate will be the de facto Project Implementation Unit (PIU).
 - b. The General Office of Works Supervision will be in charge of the technical supervision of the Program, will provide the PIU with the reports regarding the construction and financing of the houses, and ensure the compliance with the Program's eligibility criteria.
 - c. The General Directorate for Lending Operations has among its responsibilities the efficient implementation of credit policies. The General Legal Assistant Trust's functions include the use of tools for the formalization of legal acts necessary for the institution.
 - d. The General Office of Finance will serve as Fiscal Agent and shall: (i) select the funding sources and optimizing the allocation of resources in the SHF, (ii) administer the proceeds of the Loan, (iii) prepare for financial reporting, and (iv) make requests for disbursements of the Loan and corresponding debt service and payments to consultants
- 1.6 Nevertheless, the experience of SHF with sustainable is relatively limited and has been focused mainly on the DUIS (Desarrollos Urbanos Integrales Sustentables)¹.

II. OBJECTIVE OF THE CONSULTANCY

- 2.1 This consultancy will finance a strategy design and working sessions in the ECOCASAS and Passive Houses for SHF Inspectors in order to work with them in the design of a strategy for inspection of the ECOCASAS. The variables and the inspection calendar to be included in the training will be agreed with SHF and IDB.

III. CHARACTERISTICS OF THE CONSULTANCY

- 3.1 Type of consultancy: in SHF in Mexico City
- 3.2 Type of contract: Daily contract
- 3.3 Estimated number of working days: 20 days
- 3.4 The team will include members with qualifications such as:

¹ <http://www.shf.gob.mx/programas/intermediarios/DUIS/Paginas/default.aspx>

- a. Demonstrated experience of at least 5 years with energy efficiency, energy simulation of energy and energy efficiency programs in housing.
- b. Demonstrated experience in developing project documents and technical papers on urban development, specifically in the housing sector.
- c. Demonstrated working experience in Mexico and excellent knowledge of the housing institutions and stakeholders in the public and private housing sector.
- d. Excellent drafting ability and communication skills, both written and oral; proven ability to communicate complex concepts and prepare reports that are clear, concise and meaningful.
- e. Ability to produce high-quality outputs in a timely manner while understanding and anticipating evolving client and project needs.
- f. University Degree graduate, preferably in the engineering, environmental, urban, climate change, public policy fields, or in another relevant field.
- g. Fluency in Spanish.

IV. ACTIVITIES

- 4.1 The consultant team will:
 - a. Work in Mexico City with SHF to define and design the inspection strategy for the ECOCASAS.
 - b. Agree with SHF and IDB the specific indicators that can be included in the monitoring reports to the PIU and define specifically on how to record them and what tools to use.
 - c. Prepare a report including the strategy and indicators for replication and distribution to other units of the SHF.

V. PRODUCTS

- 5.1 A draft report on the strategy, as agreed with SHF.
- 5.2 A final report on the strategy, incorporating IDB's comments.

VI. COORDINATION

- 6.1 Mr. Claudio Alatorre, INE/CCS (team leader), Ms. Gisela Campillo INE/CCS will be responsible for the supervision of the consultant.

MEXICO

TECHNICAL STUDY

MODEL FOR DETERMINING THE REDUCTION OF TRANSPORT-RELATED EMISSIONS AS A FUNCTION OF THE HOUSE LOCATION

TERMS OF REFERENCE

I. BACKGROUND

- 1.1 Toward 2030, as projected by the Social Development Ministry (SEDESOL), demand for residential construction in Mexico will intensify especially in cities due to a significant growth in the urban population. The National Population Council (CONAPO) estimates that in the time period from 2005 to 2030 the housing stock in Mexico will increase by 56%. In addition, electricity demand in Mexico is expected to grow at 4.8% a year, with the residential sector currently accounting for around 15% of total energy use in the country and for 25.8 percent of total electricity use. Poorly built buildings are one major contributor to a significant increase in energy use in the commercial and residential sectors. Lighting, air-conditioning especially in warm climate areas of the country, and home appliances are expected to be the main growth areas of residential electricity demand in Mexico. It can be concluded that aggressive energy efficiency measures in the building sector will be a crucial element to enable the country to reach its goal of GHG emission reductions of 50% by 2050. In order to support the efforts of the SHF to promote sustainable housing construction, the Bank, as an agency for channeling resources from the Climate Investment Funds (CIF) provides for the mobilization of an additional loan amounting to U.S. \$50 million from the Clean Technology Fund (CTF). These additional resources would be channeled, together with USD50 million of the resources of the Bank's ordinary capital of this operation, for the implementation of energy efficiency measures in housing developments, with emphasis on those that increase the effectiveness of SHF's action in terms of reducing CO_{2eq} emissions and help to develop sustainable housing market in Mexico.
- 1.2 The proposed "Ecocasa" Housing Program seeks to make the already existing model for green housing in Mexico more energy-efficient. The existing CONAVI /INFONAVIT criteria for "green" subsidies include only eco-technologies that are added to standard homes, and do not include any guidelines for architectural design, building processes and materials, or urban design, aimed at increasing the homes' passive heating or cooling attributes. Furthermore, the criteria are defined in terms of specific features of the homes, and not on their performance. The Program will incorporate performance-based criteria, such as a given energy consumption reduction vis-à-vis a baseline, so that developers will be able to compete to find the most cost-effective ways to achieve energy savings.
- 1.3 The proposed Terms of Reference (ToR) are part of a technical cooperation package included in the proposal "Mexico CTF-IDB Group Energy Efficiency Program, Part I" that was approved by the Trust-Fund Committee of the Clean Technology Fund (CTF) on May 2nd, 2011. This TC aims to support the preparation of the second part of this program (Public Sector Component as described in the mentioned proposal), to be presented to the

CTF Committee, tentatively in April 2012. This second part will support Sociedad Hipotecaria Federal (the Mexican Federal Mortgage Corporation, SHF, a National development Bank) in form of loans and will be called “SHF/IDB/CTF/KfW Integral Low-Carbon Housing Program.

- 1.4 As part of the eligibility requirements of the Program, SHF is planning to include location as a requisite. The current baseline does not take into account the location of the developments and the indirect emissions that arise from the use of transport to the developments. Current changes in the Rules of Operation 2012 of CONAVI regarding the grant of the subsidy include this element for the very first time, where three areas are defined based on statistical data. CONAVI has therefore formally recognized the relevance of the location of housing developments, and contributing to a shift towards a more sustainable urban pattern and less sprawl in Mexican cities, as well as lower GHG emissions. INFONAVIT is currently working towards a Housing rating Index (SiViVe) where it seeks to include location criteria in a future stage. Nevertheless, the direct relationship between location and GHG emissions due to transport has not been adequately established in Mexico. This proposal seeks to provide input for decision makers regarding housing policy and subsidies, so that a direct link between the carbon footprint of a development and its location can be established.

II. OBJECTIVE OF THE CONSULTANCY

- 2.1 The objective of this consultancy is to determine the reduction of transport-related emissions of the inhabitants of a house, as a function of the location of the house. This implies;
 - a. A model that provides the transport carbon footprint of a house according to its location at an AGEB¹ scale
 - b. The carbon footprint of houses in a baseline scenario, namely considering where houses are being built in the absence of the Program at a city scale.
- 2.2 For this purpose, SHF will support the consultant team in requesting the assistance of INEGI to obtain relevant data.

III. CHARACTERISTICS OF THE CONSULTANT’S TEAM

- 3.1 Type of consultancy: office-based
- 3.2 Place of work: Desk-based
- 3.3 Qualifications of the consultant’s team;
 - a. Demonstrated experience of at least 5 years with transport and energy use in urban settings
 - b. Demonstrated experience with geographic and mathematical modeling

¹ AGEB = Áreas Geográficas Estadísticas Básicas (Basic Statistical-Geographic Areas). AGEBS are geographical areas built with census operational purposes. They are much smaller both in population and territorial size than the municipality, and are formed from towns.

- c. Demonstrated experience in developing project documents and technical papers on urban development, specifically in transport.
- d. Excellent drafting ability and communication skills, both written and oral; proven ability to communicate complex concepts and prepare reports that are clear, concise and meaningful.
- e. Ability to produce high-quality outputs in a timely manner while understanding and anticipating evolving client and project needs.
- f. Team members will have university degrees, preferably in the engineering, environmental, urban, climate change, public policy fields, or in another relevant field.
- g. Advanced IT literacy.
- h. Fluency in Spanish and English.

IV. ACTIVITIES

4.1 The consultant team will:

- a. Review existing models on the carbon footprint of urban developments and housing units
- b. Develop a methodology to establish the carbon footprints of housing developments as a result of their location and the transport needs that arise from socioeconomic activity, as well as a methodology to establish the baseline.
- c. Provide with a user-friendly and interactive data base of the corresponding GHG emission factors linked to location (AGEB level desirable), as well as a database of the baseline values.
- d. Produce a report with the findings.

V. PRODUCTS

- 5.1 City-based mathematical model based on AGEB-level data on housing, economic activity, and service, disaggregated as much as possible by socioeconomic sectors, and considering an impedance correction factor to account for proximity preference.
- 5.2 A software model (Excel or a commonly used programming language) to apply the mathematical model.
- 5.3 N Excel spreadsheet with transport-related carbon footprint for each AGEB of cities larger than 200,000 inhabitants, produced as a result of the above.
- 5.4 A mathematical model to determine the probability function geographically referenced of the location of new houses, according to available statistical data
- 5.5 A software model to represent the above model
- 5.6 A list of baseline carbon footprint per city
- 5.7 All databases used for running the software model

- 5.8 A draft report
- 5.9 A final report incorporating all of IDB's comments
- 5.10 The consultant will prepare documents in Spanish or English. All documents must be delivered to the IDB in electronic form and follow the IDB's requirements and template forms.
- 5.11 The Bank reserves the right to publish final reports, under its own name on its website or in print, with or without changes to the content of the document presented by the consultant.

VI. COORDINATION

- 6.1 Mr. Claudio Alatorre, INE/CCS (team leader), Ms. Gisela Campillo INE/CCS will be responsible for the supervision of the consultant.

VII. APPLICATIONS

- 7.1 Interested parties should submit information which clearly indicates they have the qualifications to perform the above mentioned tasks. All applications should include an organization and individual CV and cover letter.

PROCUREMENT PLAN

Country:	MEXICO
Executing agency:	Inter-American Development Bank
Project:	Preparation of the SHF-Ecocasa Housing Program
Project and loan contract numbers:	ME-T1202
Brief description of the project's objectives and components:	<p>The objective of this TC is to support the Preparation of the ECOcasa Program (to be submitted to the CTF tentatively in June 2012) through (i) technical studies to assess the calculation of the GHG emission factors of hot and cold water as well as bottled water; (ii) Elaboration of the DEEVI manual for Mexico (adapted from the PHPP of the Passive House Institute); (iii) Workshop on the Passive House Concept aimed at SHF and the developers; (iv) technical study to determine the reduction of transport-related emissions of the inhabitants of a house, as a function of the location of the house and (v) assistance to SHF in the design of a methodology for inspection of sustainable houses.</p> <p>The Program will be supported by a Technical Coordinator based in Mexico City who will serve as focal point between IDB, SHF, KfW, the developers and other stakeholders and will ensure the seamless implementation and preparation of the Program. The Coordinator will also be financed from the resources of this Technical Cooperation. The Program will be supported by a Technical Coordinator based in Mexico City who will serve as focal point between IDB, SHF, KfW, the developers and other stakeholders and will ensure the seamless implementation and preparation of the Program. The Coordinator will also be financed from the resources of this Technical Cooperation.</p>
Estimated date of project approval:	July 2012
Estimated date of signature of the loan contract:	N/A
Estimated date of the final disbursement:	June 2013

Description of the contract	Estimated cost of Procurement (US\$)	Procurement method ¹	Source of financing and percentage		Status
			IDB %	Local/other %	
Individual Consultant (Coordinator)	70,000.00	IICC	100	-	Pending
Consulting Firm (location, water, inspection)	95,000.00	QBS	100	-	Pending
Consulting Firm (PHI workshop)	20,000.00	QBS	100	-	Pending
Consulting Firm (DEEVI manual)	60,000.00	QBS	100	-	Pending
Execution, monitoring and evaluation	20,000.00	Bank Policies	100	-	Pending

¹ **Consulting Firms:** QCBS: Quality- and cost-based selection QBS: Quality-based selection FBS: Selection under a fixed budget; LCS: Least-cost selection; CQS: Selection based on the consultants' qualifications; SSS: Single-source selection. **Individual Consultants:** NICQ: National Individual Consultant Selection based on Qualifications; IICC: International Individual Consultant selection based on Qualifications.

**Preparation of the “Ecohouse” Housing Program
ME-T1202
Quality and Risk Review (QRR) – Results and Procedures Report**

A. QRR PROCESS

The technical cooperation document was distributed to QRR requesting comments on Friday June 8, 2012. The comments received and subsequent actions have been documented in this Report of Findings and Procedures. This was a virtual review.

B. UNRESOLVED ISSUES
None

C. COMMENTS

Name/Dept.	Issue	Comments	Answers
ESRNET (VPS/ESG)		The Environmental and Social section of this operation reflects our understanding of the key issues and risks to be addressed based on the information received to date.	

SAFEGUARD POLICY FILTER REPORT

This Report provides guidance for project teams on safeguard policy triggers and should be attached as an annex to the PP (or equivalent) together with the Safeguard Screening Form, and sent to ESR.

1. Save as a Word document.
2. Enter additional information in the spaces provided, where applicable.
3. Save new changes.

PROJECT DETAILS	IDB Sector	URBAN DEVELOPMENT AND HOUSING-HOUSING
	Type of Operation	Technical Cooperation
	Additional Operation Details	
	Investment Checklist	Urban Development
	Team Leader	Alatorre Frenk, Claudio (CALATORRE@iadb.org)
	Project Title	Preparation of the SHF Energy-Efficient Housing Program
	Project Number	ME-T1202
	Safeguard Screening Assessor(s)	Campillo Bermudo, Gisela (GISELAC@Contractual.iadb.org)
	Assessment Date	2012-01-09
	Additional Comments	

SAFEGUARD POLICY FILTER RESULTS	Type of Operation	Technical Cooperation	
	Safeguard Policy Items Identified (Yes)	The operation is in compliance with environmental, specific women's rights, gender, and indigenous laws and regulations of the country where the operation is being implemented (including national obligations established under ratified Multilateral Environmental Agreements).	(B.02)
		The Bank will monitor the executing agency/borrower's compliance with all safeguard requirements stipulated in the loan agreement and project operating or credit regulations.	(B.07)
		Suitable safeguard provisions for procurement of goods and services in Bank financed projects may be incorporated into project-specific loan agreements, operating regulations and bidding documents, as appropriate, to ensure environmentally responsible procurement.	(B.17)

	Potential Safeguard Policy Items(?)	No potential issues identified	
	Recommended Action:	Operation has triggered 1 or more Policy Directives; please refer to appropriate Directive(s). Complete Project Classification Tool. Submit Safeguard Policy Filter Report, PP (or equivalent) and Safeguard Screening Form to ESR.	
	Additional Comments:		

ASSESSOR DETAILS	Name of person who completed screening:	Campillo Bermudo, Gisela (GISELAC@Contractual.iadb.org)
	Title:	
	Date:	2012-01-09

SAFEGUARD SCREENING FORM

This Report provides a summary of the project classification process and is consistent with Safeguard Screening Form requirements. The printed Report should be attached as an annex to the PP (or equivalent) and sent to ESR.

1. Save as a Word document. 2. Enter additional information in the spaces provided, where applicable. 3. Save new changes.

PROJECT DETAILS	IDB Sector	URBAN DEVELOPMENT AND HOUSING-HOUSING
	Type of Operation	Technical Cooperation
	Additional Operation Details	
	Country	MEXICO
	Project Status	
	Investment Checklist	Urban Development
	Team Leader	Alatorre Frenk, Claudio (CALATORRE@iadb.org)
	Project Title	Preparation of the SHF Energy-Efficient Housing Program
	Project Number	ME-T1202
	Safeguard Screening Assessor(s)	Campillo Bermudo, Gisela (GISELAC@Contractual.iadb.org)
	Assessment Date	2012-01-09
	Additional Comments	

PROJECT CLASSIFICATION SUMMARY	Project Category: C	Override Rating:	Override Justification:
			Comments:
	Conditions/ Recommendations	<ul style="list-style-type: none"> No environmental assessment studies or consultations are required for Category "C" operations. Some Category "C" operations may require specific safeguard or monitoring requirements (Policy Directive B.3). Where relevant, these operations will establish safeguard, or monitoring requirements to address environmental and other risks (social, disaster, cultural, health and safety etc.). The Project Team must send the PP (or equivalent) containing the Environmental and Social Strategy (the requirements for an ESS are described in the Environment Policy Guideline: Directive B.3) as well as the Safeguard Policy Filter and Safeguard Screening Form Reports. 	

SUMMARY OF IMPACTS/RISKS AND POTENTIAL SOLUTIONS	Identified Impacts/Risks	Potential Solutions

ASSESSOR DETAILS	Name of person who completed screening:	Campillo Bermudo, Gisela (GISELAC@Contractual.iadb.org)
	Title:	
	Date:	2012-01-09

Gomez Sandoval, Juan Carlos

From: Angel Gomez, Angelo Eduardo
Sent: Wednesday, January 25, 2012 3:37 PM
To: Angel Gomez, Angelo Eduardo
Subject: FW: Asignacion de fondos - ME-T1202

FYI

From: Poveda Amarfil, Martin Andres
Sent: Tuesday, January 24, 2012 11:46 AM
To: Calderon, M. Guadalupe; Alatorre Frenk, Claudio; Campillo Bermudo, Gisela
Cc: Visconti, Gloria; GCM Single Window; Kim, Romina; Saguier Meza, Gustavo; Ninova, Goritza; Meirovich, Hilen Gabriela
Subject: RE: Asignacion de fondos - ME-T1202

Guadalupe,

As requested the operation has been placed on pipeline 2012 with CTF financing.

Regards,

Martin

From: Calderon, M. Guadalupe
Sent: Tuesday, January 24, 2012 11:38 AM
To: Alatorre Frenk, Claudio; Campillo Bermudo, Gisela; Poveda Amarfil, Martin Andres
Cc: Visconti, Gloria; GCM Single Window; Kim, Romina; Saguier Meza, Gustavo; Ninova, Goritza; Meirovich, Hilen Gabriela
Subject: RE: Asignacion de fondos - ME-T1202

This project has funding committed from the CTF. Martin please move to pipeline please.

Gloria and Claudio: Please cc me as fund manager of the CTF and SCX when you (or your team leaders) send projects to the Single Window. This way I can confirm funding as soon as I receive the email.

Thanks,
Guadalupe

From: GCM Single Window
Sent: Tuesday, January 24, 2012 10:03 AM
To: Calderon, M. Guadalupe
Cc: Ninova, Goritza
Subject: FW: Asignacion de fondos - ME-T1202

Hola Guadalupe,
Este proyecto está siendo considerado por el CTF. Qué le contesto al equipo?
Gracias,

R.

From: Campillo Bermudo, Gisela
Sent: Tuesday, January 24, 2012 9:57
To: GCM Single Window
Subject: RE: Asignacion de fondos - ME-T1202

Estimados,

Aproximadamente cuando estaran asignados los fondos? Nos urgen continuar con el proceso y querria hacerme una idea de los tiempos, gracias!
Gisela

From: GCM Single Window
Sent: Thursday, January 12, 2012 5:57 PM
To: Campillo Bermudo, Gisela; GCM Single Window
Cc: Lair, Gerhard; Zwi, Sergio; Poveda Amarfil, Martin Andres; Rivera, Sonia M.; Giraldo, Laura; Alatorre Frenk, Claudio; Meirovich, Hilen Gabriela; Gomez Sandoval, Juan Carlos; Angel Gomez, Angelo Eduardo
Subject: RE: Asignacion de fondos - ME-T1202

Estimada Gisela,
Acusamos recibo del proyecto de la referencia. Estaremos procesando el mismo a la brevedad.
Atentamente,

Single Window Team

Grants and Co-financing Management Unit (ORP/GCM)

Inter-American Development Bank
1300 New York Avenue, N.W.
Washington, D.C. 20577
www.IADB.org

From: Campillo Bermudo, Gisela
Sent: Thursday, January 12, 2012 17:30
To: GCM Single Window
Cc: Kim, Romina; Lair, Gerhard; Zwi, Sergio; Poveda Amarfil, Martin Andres; Rivera, Sonia M.; Giraldo, Laura; Alatorre Frenk, Claudio; Meirovich, Hilen Gabriela; Gomez Sandoval, Juan Carlos; Angel Gomez, Angelo Eduardo
Subject: Asignacion de fondos - ME-T1202

Estimados Miembros del Single Window

Siguiendo el nuevo procedimiento operativo para TCs, sírvanse encontrar adjunto el Abstract de la Cooperación Técnica en referencia para vuestra revisión y asignación de fondo. Se trata de una cooperación técnica que cuenta con fondos ya previamente apartados del CTF en un valor de USD265,000. De requerirse mayores antecedentes por favor no duden en contactar a Gisela Campillo (Team Member) o a Claudio Alatorre (Team leader).

Agradecemos de antemano toda la gestión que se lleve a cabo para seguir adelante con el proceso.

Se despide cordialmente

Gisela Campillo
Climate Change and Sustainability Division (INE/CCS)
Infrastructure & Environment Sector
Inter-American Development Bank
1300 New York Avenue, NW
Washington, D.C. 20577
USA
Tel: ++1 (202) 623-1935
Fax: ++1 (202) 312-4197
giselac@iadb.org
<http://www.iadb.org/secci/>

<< File: IDBDOCS-#36629091-v1-TC_Abstract-ME-T1202.docx >>

Gomez Sandoval, Juan Carlos

From: Perez-Segnini, Juan Carlos
Sent: Monday, June 25, 2012 8:48 AM
To: Campillo Bermudo, Gisela; Gomez Sandoval, Juan Carlos
Subject: Re: México - ME-T1202 - Preparación del Programa de Vivienda 'Ecocasa' - Informe de Resultados y Procedimientos - Matriz Post-QRR

No tenemos objecion con que se continue con el procesamiento de esta operacion.

----- Original Message -----

From: Campillo Bermudo, Gisela
Sent: Monday, June 25, 2012 08:16 AM
To: Perez-Segnini, Juan Carlos
Subject: FW: México - ME-T1202 - Preparación del Programa de Vivienda 'Ecocasa' - Informe de Resultados y Procedimientos - Matriz Post-QRR

Hola Juan Carlos, como estas?

Te queria pedir si pudieras darnos pronto una respuesta a la peticion de Juan Carlos para seguir con la arpobacion de esta TC que nos urge muchisimo aprobarla y no perder los recursos.

Muchisimas gracias y por favor cualquier duda a mi o a Juan Carlos Gomez Sandoval. Es basicamente la TC de preparacion del programa ecocasa.

Gracias

Gisela

From: Gomez Sandoval, Juan Carlos
Sent: Thursday, June 21, 2012 9:50 AM
To: Perez-Segnini, Juan Carlos
Cc: Campillo Bermudo, Gisela; Alatorre Frenk, Claudio
Subject: FW: México - ME-T1202 - Preparación del Programa de Vivienda 'Ecocasa' - Informe de Resultados y Procedimientos - Matriz Post-QRR

Estimado Juan Carlos,
Espero te encuentres bien.

Te escribimos para consultarte si tienes comentarios adicionales sobre el documento de la operación en referencia. En caso contrario te agradeceríamos nos confirmes si contamos con tu no objeción para avanzar con la Certificación de fondos por parte de GCM.

Cualquier pregunta, estamos a tu disposición.
Gracias y saludos.

Juan C. Gomez
Climate Change and Sustainability Division (INE/CCS) Inter-American Development Bank
Direct: 202.623.2450
Email: carlossan@iadb.org

From: INE-CCS

Sent: Monday, June 18, 2012 2:26 PM

To: INE-CCS; Office of the Vice President for Countries; Office of the Vice President, Sectors & Knowledge; Puig, Steven J.; Sujoy, Jaime Alberto; Perez-Segnini, Juan Carlos; VPC-FMP; Falkner-Olmedo, Katharina B.; Office of the Manager - INE; SPD-SDV; ESRNET; GCM Single Window; Goncalves, Antonio; Calderon, M. Guadalupe; Operations Policy Committee
Cc: Astesiano, Gaston; Serebrisky, Tomas Sebastian; Vergara, Walter; Alatorre Frenk, Claudio; Visconti, Gloria; Inclan-Gallardo, Ubaldo; Campillo Bermudo, Gisela; Miranda Monroy, Edna; Ceron, Nelly; Martínez Dorantes, Carlos David; Fabiani, María Florencia; Meirovich, Hilen Gabriela; Cho, Eun Chung; Rodriguez Limo, Rosa; Avila, Francly Dianela; Angel Gomez, Angelo Eduardo

Subject: México - ME-T1202 - Preparación del Programa de Vivienda 'Ecocasa' - Informe de Resultados y Procedimientos - Matriz Post-QRR

En nombre del Sr. Walter Vergara, Jefe de la División de Cambio Climático y Sostenibilidad (INE/CCS), adjuntos encontrarán los enlaces al Informe de Resultados y Procedimientos y al Documento de Cooperación Técnica de la operación en referencia, con ajustes basados en los comentarios recibidos como resultado de la Revisión de Calidad y Riesgo.

En caso de tener alguna pregunta o comentario, les agradeceremos contactar al Sr. Claudio Alatorre, Jefe de equipo (calatorre@iadb.org<<mailto:calatorre@iadb.org>> ext. 2431).

Cordialmente,
INE/CCS

Juan C. Gomez

Climate Change and Sustainability Division (INE/CCS) Inter-American Development Bank

Direct: 202.623.2450

Email: carlossan@iadb.org<<mailto:carlossan@iadb.org>>

Informe de Resultados
y Procedimientos

TC Document

[Return to Agendas...](#) [Edit](#)

INTER-AMERICAN DEVELOPMENT BANK

MEMORANDUM

FILE CLASSIFICATION:
VPS/ESG AG 23-12
DATE: 6/3/2012

TO: See Distribution List*

FROM: ESR Secretariat

SUBJECT: **Agenda for ESR 23-12**

All documents, unless otherwise noted, are distributed electronically. Please note that all SG loan operations that fall under the new project cycle will be marked in the Agenda with an asterix.

I. Input to ERM/QRR or Equivalent

1. ME-T1202 - Preparation of the Ecohouse Housing Program

Category: B

Comment: C-Abstract-QRR Related to ME-L1121 Deadline: Fri Jun,15 US\$ 265,000

Alatorre Frenk, Claudio

Monter Flores, Ernesto

2. EC-L1113 - Social Housing National Program - Stage 2

Category: B

Comment: PP-ERM Deadline: FRI Jun,15 US\$ 104M

De la Bastida, Jose Luis

Libertun de Duren, Nora Ruth

3. ME-M1080 - Water and Energy Efficiency for Low-Income Residents of Mexico City Stage 2

Category: C

Comment: Abstract Deadline: US\$ 690,000

Berardi, Filippo

4. RG-T2177 - Comprehensive Support for the Citizen Security Initiative

Category: C

Comment: Abstract-QRR Deadline: Fri, Jun 15 US\$ 200,000

Alvarado, Nathalie Tatiana

5. PN-T1094 - Strengthening Panama's Social Safety Net

Category: C

Comment: Abstract Related to PN-L1075 Deadline: Wed Jun,13 US\$ 600,000

Rubio, Monica J.

6. NI-M1029 - Empowerment and leadership for a sustainable geotourism

Category: C

Comment: Memorandum Deadline: Wed Jun,13 US\$ 1,24M

Soler, Santiago

7. PR-L1072 - Converting the Base of the Pyramid in Exporting Agents

Category: B13

Comment: PP-ERM Deadline: Wed jun,13 US\$25M

Schneider, Christian

8. BR-L1367 - Vai Voando: A Micro-Franchise Model to Enable Geographic Mobility for the BOP

Category: C

Comment: PP-ERM Deadline: Mon Jun,11 US\$10M

Davidson, Elizabeth Boggs

9. PR-T1125 - Support MSPyBS in Strategy of Health Networks

Category: C

Comment: Abstract-QRR Deadline: Fri Jun,15 US\$ 350,000

Alvarado, Nohora Rocio

II. Operations with no comments

10. CH-M1050 - Patagonian Islands, Scientific tourism to keep the Aysen Waterfront

Comment: Memorandum Deadline: Wed Jun,13 US\$ 1,27M

Lesenfans, Yves

11. CH-M1053 - Innovative Technologies to Improve Energy Efficiency in the Fresh Fruit Sector i

Comment: Abstract Deadline: Wed Jun,13 US\$ 980,000

Berardi, Filippo

12. GY-G1004 - Sustainable Energy Program for Guyana

Comment: PP-ERM Deadline: Fri, Jun 15 US\$ 11M

Tejeda Ricardez, Jesus Alberto

13. CH-L1064 - Program to Support SENCE's Effectiveness

Comment: POD-QRR Deadline: Wed Jun,13 US\$ 10,9M

Rucci, Graciana

14. RG-T2161 - The Provision of Childcare Services and Female Labor Force Participation

Comment: C-Abstract-QRR Deadline: Fri Jun,15 US\$ 150,000

Mateo, Maria Mercedes

15. RG-T2180 - Operational Innovation in Trade and Gender

Comment: Abstract-QRR Deadline: Wed Jun,13 US\$200,000

Eguiluz Zamora, Alejandra

16. NI-T1149 - Strengthening of Foreign Trade One Stop Shop, Phase I

Comment: Abstract-QRR Deadline: Thu Jun,14 US\$ 830,000

Granados, Jaime

17. RG-T2154 - Fostering Sustainable Energy in LAC

Comment: Abstract Deadline: Wed Jun,13 US\$ 600,000

Tagwerker, Christoph

Doyle, Patrick Glenn

18. RG-T2107 - Support to strengthening de inst. capacity of Foreign Trade Ministries and public

Comment: Abstract-QRR Deadline: Fri Jun, 15 US\$ 500,000

Robert, Carolyn

19. RG-T2160 - Technical Support to Development Banks for the Mitigation of Climate Change

Comment: Abstract Deadline: Wed Jun,13 US\$ 1,19M

Gomes Lorenzo, Jose J.

20. ES-T1158 - Women City Project - Impact evaluation

Comment: Abstract-QRR Deadline: Fri Jun,15 US\$ 660,000

Hidalgo, Nidia

21. DR-T1083 - Strengthening of SIUBEN in targeting

Comment: Abstract-QRR Deadline: Thu Jun,14 US\$ 390,000

Parodi, Sandro

22. ME-M1077 - Pilot Program for SME Competitiveness through Sustainable Practices

Comment: Abstract Deadline: Wed Jun,13 US\$ 4M

Watson, Gregory

23. TT-T1034 - Piloting the Integration of Coastal Zone Management&CC Adaptation in Tobago

Comment: C-Abstract-QRR Deadline:Fri Jun,15 US\$ 600,000

Alleng, Gerard P.

Distribution List:

To: ESR Secretariat

CC: Oradei, Nieves De Jesus (AURAO@iadb.org)
Janine Ferretti, Chief VPS/ESG
Cluster Leaders

Gomez Sandoval, Juan Carlos

From: Perez-Segnini, Juan Carlos
Sent: Tuesday, June 26, 2012 12:27 AM
To: Campillo Bermudo, Gisela; Gomez Sandoval, Juan Carlos; Alatorre Frenk, Claudio
Subject: Re: ME-T1202

Estimamos que, como se trata de fortalecimiento institucional, tiene mayor coherencia que la SHF sea el OE, y que el Banco, a solicitud de esta conduzca la seleccion, contratacion y supervision de los consultores. Pero si uds sienten que queda mejor con el Banco como Ejecutor y tienen la justificacion, tambien es posible. En ambos casos el Banco hace las contrataciones.

----- Original Message -----

From: Campillo Bermudo, Gisela
Sent: Tuesday, June 26, 2012 12:17 AM
To: Gomez Sandoval, Juan Carlos; Alatorre Frenk, Claudio
Cc: Perez-Segnini, Juan Carlos
Subject: RE: ME-T1202

Hola Juan Carlos,

en realidad cambiamos a la SHF como ejecutora por consejo de LEGAL (Juan Carlos, por favor confirmame que es asi y que hay que cambiarlo en el sistema).

Yo hasta el jueves no puedo hacer ningun cambio, si Juan Carlos P. confirma que asi podrias hacerlos tu? (Juan Carlos Gomez?) Cuantos Juan Carlos:) Mil gracias Gisela _____

From: Gomez Sandoval, Juan Carlos
Sent: Monday, June 25, 2012 4:31 PM
To: Alatorre Frenk, Claudio; Campillo Bermudo, Gisela
Subject: FW: ME-T1202

Claudio, Gisela,
Abajo las correcciones solicitadas por GCM para emitir su certificacion.
Saludos.
Juan C.

From: Illescas, Maricarmen
Sent: Monday, June 25, 2012 4:14 PM
To: Gomez Sandoval, Juan Carlos
Cc: Angel Gomez, Angelo Eduardo; Rivera, Sonia M.; Calderon, M. Guadalupe; Ninova, Goritza; Saguier Meza, Gustavo
Subject: ME-T1202

Estimado Juan Carlos:

Habiendo revisado la operación de la referencia que se ha sometido para su certificación, me permito solicitar se complete/modifique en OPUS lo siguiente:

GENERAL:

- o Assigned Institutions: Discrepancia entre OPUS y documento impreso

CLASSIFICATION:

- o Assigned Institutions
- > Original UDR: completar

Informarnos por email tan pronto completen lo solicitado.

Atentos saludos,

Maricarmen Illescas

Unidad de Gestión de Donaciones y Cofinanciamiento Oficina de Alianzas Estratégicas

Telf.:202-623-2505 / Fax: 202-623-3489

1300 New York Avenue, N.W.

Washington, D.C. 20577

USA