

# THE FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA ENVIRONMENTAL PROTECTION AUTHORITY



## GEF Portfolio Identification Document

December 2011  
Addis Ababa, Ethiopia

## Acronyms

BD	Biodiversity
BSAP	Biodiversity Strategic Action Plan
CC	Climate Change
CRGE	Climate Resilient Green Economy
CSE	Conservation Strategy of Ethiopia
EIA	Environmental Impact Assessment
EPA	Environmental Protection Authority
EPE	Environmental Policy of Ethiopia
GEF	Global Environment Facility
GTP	Growth and Transformation Plan
IBC	Institute of Biodiversity Conservation
NAPA	National Adaptation Plan of Action
MEAs	Multilateral Environmental Agreement
PRSP	Poverty Reduction Strategy Paper
PASDEP	Plan for Accelerated Sustainable Development to End Poverty
NGO	Non Governmental Organization
LD	Land Degradation
PIF	Project Identification Format
POPs	Persistent Organic Pollutants
REDD	Reducing Emission from Deforestation and Forest Degradation
SGP	Small Grants Programme
SFM	Sustainable Forest Management
STAR	System for Transparent Allocation of Resources

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## **1. Country Profile**

Ethiopia is located between 33 ° and 48 °East longitudes and 3° and 15° North latitudes. With a total area of over 1.1 million Km<sup>2</sup>, Ethiopia is the 10<sup>th</sup> largest country in Africa. It is characterized by a rugged and mountainous topography with altitudes ranging from 4,620m above sea level at Mount Ras Dejen in North Gondar in the Amhara National Regional State to 110m below sea level at the Dallol Depression in the Afar National Regional State. Because of this variation in altitude the temperature varies from one of the world's highest annual average of 39 °C at the Dallol Depression to the very cool Afro-montane climate at high altitudes. Because of its latitude and altitudinal contrasts, the climate system is very complex.

The housing and population census of the Central Statistic Agency of 2007 indicated that the population of Ethiopia was 73,918,505. According to the “World Development Indicators, 2009” published by the World Bank, the Ethiopian Population was estimated at 82,824,732, making Ethiopia the second most populous country in Africa.

Ethiopia is also known for having one of the world's oldest civilizations. Because of the presence of immense ecological diversity and its long history of agriculture, it is known as one of the twelve primary centers of origin and diversity of crops in the world. It is a primary and a secondary genepool center for several crops. Likewise, Ethiopia is also known for a high wild plant and animal diversity.

## **2. Global and Ethiopia's National Environmental Challenges**

In Ethiopia, land degradation is a serious problem affecting agricultural productivity. Overgrazing and the expansion of farming into marginal lands caused by an increasing population pressure without increasing economic productivity have been leaving the land bare. Present key problems in land degradation include loss of vegetation cover and biodiversity followed by escalating soil erosion, declining soil fertility, expanding salinization as well as aridity through hydrological cycle disruption caused by unsustainable anthropogenic practices exacerbated by climate change (BSAP, 2005). Typical pressure factors leading to land degradation include nutrient depletion from agricultural lands, overgrazing and deforestation.

Arid, semi arid and dry-sub-humid areas which are prone to desertification are estimated to cover 70 percent of the total land area of the country (NAPA, 1998). In many parts of the pastoral areas, grazing land is under serious threat from bush encroachment and the expansion of invasive alien plant species including *Partinum hysterophorus*, *Prosopis julifolra* and others. The rising demand for crop, grazing and settlement land, construction materials, fuel wood and charcoal are the main factors responsible for the decline of the original natural forest cover.

Water and soil pollution, especially by agrochemicals, are becoming important in some areas. Pollution caused by municipal and industrial waste is also a seriously growing environmental problem in urban and downstream areas. Conversely, the urban solid waste collection and disposal system is inadequate. In the major urban centers throughout the country, less than half of the solid waste generated is collected, and the remaining increases urban dirt. The sanitation infrastructure is poor. The sewerage disposal service is very limited in its coverage. There is, however, a growing perception and commitment towards improved environmental management. The government has prioritized ensuring environmental sustainability in its development plans and programmes.

Over the last four decades, serious concerns have been expressed pertaining to the accumulation of poorly stored, banned and obsolete pesticides, which pollute the environment and affect human health. These stocks have accumulated for a number of reasons, including owing to lack of co-ordination in the donations and procurement of pesticides, inappropriate product supply, poor storage conditions and poor management, including oversupply and a poor registration system. With regard to industrial chemicals, the study conducted by EPA in 2006 in 28 organizations revealed that various types of chemicals and contaminated containers have been stored either as unwanted or obsolete chemicals.

### **3. Measures Being Taken in Ethiopia**

The right to live in a clean and healthy environment has been promulgated in the Constitution of the Federal Democratic Republic of Ethiopia. The commitment of the government has also been shown by its approving a relevant environmental policy, laws and regulations, standards as well as strategies that can help improve the country's environmental conditions.

The Conservation Strategy of Ethiopia (CSE) and the Environmental policy of Ethiopia (EPE) were adopted in 1997. Federal laws on environmental organs establishment, environmental pollution control, solid waste management, and environmental impact assessment (EIA) as well as effluent emission standards have been issued. In the course of one and half decades, the Government has ratified a number of international and regional multilateral environmental agreements (MEAs). They have been made part of the laws of the country. Moreover, a number of relevant environmental protection technical and procedural general and sectoral guidelines have also been prepared.

The bulk of the obsolete pesticides accumulated over decades has been collected and sent abroad for safe disposal.

Ethiopia, like many African countries, has endorsed the Millennium Development Goals. It has also elaborated a national development strategy which has passed through 3 stages of implementation, each of which has been for 5 years. These are Poverty Reduction Strategy Paper (PRSP) (2000/2001 to 2005/2006); Plan for Accelerated Sustainable Development to End Poverty (PASDEP) (2005/2006 to 2010/11) and the current one called Growth and Transformation Plan (GTP) (2010/11 to 2014/15). Environmental sustainability has been given due attention in all the past development programmes and environmental goals have been set within the GTP and its offshoot, the Climate Resilient Green Economy (CRGE) vision and strategy. The CRGE vision is to see Ethiopia being carbon neutral and one of the middle income countries with GDP/capita/year of US\$1170 by 2025. To achieve this target, strategies have been prepared through a participatory process for 8 key sectors. These are electric power, transport, industry, livestock, forestry, soil and buildings or green cities. The strategy is aimed at supporting sectors to achieve the GTP goals through following a green-growth path.

The Environmental Protection Authority of the Federal Democratic Republic of Ethiopia is the National Focal Point for GEF in Ethiopia. Ethiopia started accessing GEF resources in 1991. Up to the end of GEF 4 (June 2010), sixteen GEF projects were approved for Ethiopia amounting to US\$45,686,925 leveraging a co-financing of US\$320,731,167 and thus totaling US\$366,418,092. The GEF-5 Programme commenced on July 1, 2010. Then, Ethiopia chose to formulate its National Portfolio Identification to use its STAR allocation. However, the

following projects have already been endorsed by EPA within the GEF 5 period to request funding outside of the STAR allocation.

- “Umbrella Programme to Support Enabling Activities Under the Convention on Biological Diversity”..... GEF grant request of US\$220,000.
- “Cost-Benefit Analysis of Selected Vector Management Approaches to Control Malaria” .....GEF Grant request of US\$148,374.
- NIP Updating Activities to Facilitate Early Action on the Implementation Plan for the Stockholm Convention on Persistent Organic Pollutants (POPs) in Ethiopia..... GEF Grant of US\$250,000.
- “Promoting Autonomous Adaptation at Community Level in Ethiopia”..... GEF Grant of US\$5,403,761.
- Demonstration of Effectiveness of Diversified, environmentally Sound and Sustainable Interventions, and Strengthening National Capacity for Innovative Implementation of Integrated Vector Management (IVM) for Disease Prevention and Control in the WHO African Region... GEF Grant of US\$17,769,400 from the POPs Focal Area.”

### **3.1 The Establishment of a National Steering Committee**

A GEF National Steering Committee has been established. The Committee comprises of representatives from federal sectoral agencies, academia and NGOs. The Steering Committee is chaired by the GEF Focal Point institution, the Environmental Protection Authority of the Federal Democratic Republic of Ethiopia. The following are the organizations represented in the GEF National Steering Committee with their respective representatives.

1. Dr. Tewelde Berhan Gebre Egziabher..... Environmental Protection Authority (Chairman)
2. Mr. Berhanu Solomon .....Environmental Protection Authority (Secretary)
3. Mr. Robel Meseret.....Ministry Transport
4. Ato Dereje Agonafir.....Environmental Protection Authority
5. Mr. Negusu Aklilu.....Forum for Environment (representing NGOs)
6. Mr. Berhanu Ayalew.....Environmental Protection Authority
7. Dr. Belay Semani..... Addis Ababa University (representing academia)
8. Professor Sebsibe Demesew.....Addis Ababa University (representing academia)

The National Steering Committee meets every 6 months and may also have other meeting as required.

### **3.2 National Consultations**

A National Consultation for the preparation of the GEF Portfolio of projects and programmes was initiated by EPA by an invitation sent to the various federal sectoral ministries and other agencies, environmental offices of Regional States, NGOs and higher learning institutions to discuss their respective projects for funding by the GEF. They came with preliminary project ideas that would address local, national and global environmental problems.

The 1<sup>st</sup> National Stakeholders' Consultation was thus conducted on January 27 and 28, 2011, in Addis Ababa. This consultation process was attended by a total of about 75 representatives from key federal sectoral ministries and other agencies, Regional States and federal research institutions, universities, Regional Environmental offices and environmental NGOs.

During this National Consultation, representative participants presented their project ideas to the audience. Four Group Discussions were conducted with the objective of refining, combining and giving comments on individual project ideas. The four groups corresponded to the basic thematic focal areas of the GEF STAR allocation, i.e. Climate Change, Biodiversity, Land Degradation and Chemicals.

The comments were used as inputs for the further development of elaborated project ideas for the participating institutions in their respective GEF thematic area groups.

The two-day National Consultation ended with the general consensus by the participants that, after going back to their respective institutions, they were to prepare project proposals for the project ideas presented to the Consultation and to submit them within 2 months, i.e. at the beginning of April 2011.

### **3.3 Preparation and Submission of Project and Programme Proposals**

Making use of the inputs obtained at the National Consultation, the participants started to elaborate their respective project ideas through local level stakeholder participation. This



produced 52 project ideas submitted to the EPA (Annex I). The project ideas submitted were targeted to address environmental issues related to the STAR focal areas: climate change, biodiversity, land degradation, chemicals as well as issues across two or more focal areas.

First level screening of the project ideas was conducted by the Environmental Protection Authority, the National GEF Focal Point, and in this process we realized that some of the project ideas submitted were capital intensive and as a result they were dropped. Some of the projects, however, required small amounts of financing support and thus became relevant for consideration in the Small Grants Programme (SGP) rather than in the STAR allocations. As a result they were referred to the National Small Grants Programme Office. Those projects which were relevant for consideration in the Portfolio Formulation were taken to the next step of consideration. Therefore, the result was communicated to the respective institutions which submitted the proposals.

This first screening helped in identifying initial areas of priority for addressing both national and global environmental issues. The following project areas were thus identified between January and April 2011 for consideration in the National Portfolio formulation:

- Conservation and Documentation of Plant Genetic Resources (BD);
- Conservation of Wildlife Reserves and Development of Ecotourism (BD);
- Sustainable Dry Land Ecosystem Management (LD);
- Afromontane Forest and Dry Woodland Management (BD/LD);
- Management and Safe Disposal of Chemicals (POPs);
- River Catchments Rehabilitation and Alternative Livelihood Development (LD/CC);
- Conservation of Agro-biodiversity (BD);
- Rangeland Management, Rehabilitation and Backyard Forage Development (BD/CC);
- Renewable, Clean and Alternative Energy Development (CC);
- Dissemination of Biomass Stoves (Energy Conservation) (CC);
- Waste for Energy (CC);
- Development of flood Control and Early Warning System (CC);
- Water Harvesting Technologies (CC);
- Forest Assessment and Monitoring (BD)

### **3.4 The Preparation of Draft PIFs for the Identification and Refinement of the National Portfolio**

After the 1<sup>st</sup> screening of the projects listed above, the proponents were invited to submit their proposal using the GEF format known as Project Identification Format (PIF). At this step, the proponents were encouraged to discuss among themselves on the possibility of coming up with broad programmatic approaches so that complementing projects in terms of geography, scope and objectives would be developed into a unified programme. In this process, technical assistance was given by EPA to the proponents.

This step helped to further screen and identify projects and programmes to be considered for the National Portfolio formulation for GEF-5. The following is the titles of PIFs (projects and programmes) identified for consideration for inclusion in the National Portfolio. For more detail on the projects and programmes, please see Annex II.

#### **4. Projects in the National Portfolio:**

##### **Projects in the Climate Change Area**

- Building Resilience to Climate Change in Ethiopia: Ecosystem Based Approach through Community Innovation Platforms.
- Study of Wind Turbine: Design, Construction and Wind Potential Analysis in the Western part of Ethiopia - Oromia National Regional State.

##### **Projects in the Biodiversity Area**

- Community based Integrated Watershed Management (CBIWM): Reclaiming Kulfo River.
- Digitizing Plant Genetic Resource Information for Biodiversity Conservation and Ecosystem Management.
- Participatory Agro-biodiversity Utilization: the case of underutilized root and tuber crops in Southern and Western Ethiopia.
- Community Based Conservation and Rehabilitation of Moist Afro-montane Forests in South-Western Ethiopia.
- Forest Resources Assessment and Monitoring.

## **5. Programmes in the National Portfolio**

### **5.1 African Regional Programmes**

The Ministerial Segment of the GEF Eastern African Constituency Meeting which was held from January 18 to 20/2011 had reached a consensus on some of the African Regional Programmes to be supported by GEF 5. The 6 principal programme areas agreed by the Ministerial Segment are the following:

**The following Regional programme has already been endorsed by EPA to be funded from the LDCF (US\$5,000,000) and Ethiopian STAR allocation (US\$7,000,000).**

- **Sahel and West Africa WB/GEF Programme in Support of the Great Green Wall (GGW) Initiative:** It is to contribute to improved and climate resilient natural resource based livelihood and ecosystem function in Sahelian Countries.

**The Following Regional programmes are included in the list of PIFs in the draft portfolio in Annex II.**

- **Clean Energy Programme:** Access to clean energy that takes into account all possible options and will deliver cost-effective alternatives for Ethiopia while at the same time contributing to our desired targets for fighting energy poverty; PIF submitted to EPA as “Lighting Africa Programme Expansion” (see No. 1 in Annex II).
- **Sustainable Charcoal Programme:** It is to create an enabling environment for the adoption of sustainable charcoal production practices to increase energy access for low-income rural households while reducing emissions and increasing the mitigation capacities of forests and woodlands in Ethiopia; PIF submitted to EPA as “Sustainable Charcoal Programme” (See No. 2 in the Annex II).

**The following Regional programmes have as yet not been submitted to EPA and have thus not been included in the list of PIFs in Annex II. Therefore, they will not be accepted in Ethiopia’s portfolio for funding by GEF 5. However, the programmes that both the National Consultation of 27-28 January 2011 and EPA considered important have now had PIFs prepared by EPA with their scope modified as seen fit and are**

**included in Annex II. EPA, supported by environmental protection offices of Regional States, will become the proponent of these modified programmes.**

- **Waste-to Energy Programme:** Opportunity to further increase access to energy by investing in technology options for waste-to-energy management that takes into account existing opportunities in Ethiopia.
- **Food Security Programme:** This was to include agriculture, livestock, and fisheries management.
- **Sustainable Landscapes Programme:** Integrating land management for biomass management, protected areas sustainability and multiple benefits from forests.

## **5.2 National Programmes**

The following national programmes have been included in the national portfolio for GEF 5 (see Annex II).

### **Programme in the Climate Change Area**

- Programme on Combating Climate Change through Integrated Community Based Natural Resource Development, Management and Efficient Utilization in the Eastern Lowlands of Ethiopia.

### **Programmes in the Biodiversity Area**

- Biodiversity Conservation and Development Programme in the Eastern Part of Ethiopia (Dire Dawa Administration, Hareri, Eastern Oromiya and Somali National Regional State) through Enhancing Community Based in-situ and Ex-situ Conservation.
- Programme of Integrated Forest Landscape Restoration and Rehabilitation and Ecotourism Development for Sustainable Management and use of Biodiversity in the Afromontane Forests.
- Integrated Biodiversity Conservation in Yangudi Rassa/ Allideghi Wildlife Reserve in the Afar Regional State.
- Strengthening the Protected Areas Network within the Afro-montane Forest Biodiversity Hotspot of Ethiopia.

### **Programme in Land Degradation Area.**

- Community-Based Integrated Watershed Management Programme for Enhancing the Productivity of Agricultural Landscapes and Rehabilitating Degraded Forest Lands in the Eastern Ethiopian Highlands.

### **Programmes in Multi-focal Area.**

- National Programme to Diversify the Application of Renewable Energy, Particularly through the Use of Bio-fuel and Biogas (CC and BD).
- National Programme on Increasing the Application of Compost and Sound Livestock Management to Enhance Soil Fertility and Agricultural Productivity (LD and BD).
- National Programme on Increasing Vegetation Cover Including through the Management of Areas Closed off to Grazing (CC, BD and LD).
- National Programme on Enhancing Access to Energy Services through the Penetration of Fuel Efficient Cooking Stoves (BD and LD).

## **6. GEF- Small Grants Programme (SGP)**

SGP Ethiopia has STAR allocation of US\$3,290,000 for OP5. This budget will be used as a grant for projects coming from Community Based and Non-government Organizations in the GEF thematic areas. As decided by the National Steering Committee, in terms of geographic location, the GEF SGP support will focus on catchments of the Rift Valley Lakes, pastoralists in selected weredas/districts of the Afar and Somali National Regional States, catchments around major dams, the Simien Mountain National Park (World Heritage Site) and capacity building related projects in Gambella and Benishangul-Gumuz National Regional States. Call for project proposals are announced each year and 20 to 25 projects are expected to be approved by the National Steering Committee to be supported each year. The total number of projects to be supported in the GEF-5 period will thus range from 80 to 100.

To get support from the GEF-SGP, the project proposal has to be developed in close collaboration with the District Administration (local government body) together with the relevant

local community to ensure that it is demand driven. Attention is also given in the projects to address the GEF focal areas. As the project types vary every year and the grantees come from diverse parts of the country, it is not practical to determine beforehand the projects to be supported by SGP in the next 4 years.

## References

- EPA in Collaboration with MEDaC (1997). "The Environmental Policy of Ethiopia". Addis Ababa, Ethiopia.
- IBC ( 2005). "National Biodiversity Strategy and Action Plan". Addis Ababa, Ethiopia.
- Ministry of Water Resources, National Metrological Agency (2007). Climate Change National Adaptation Programme of Action (NAPA) of Ethiopia. Addis Ababa, Ethiopia.

### Annex I: Projects Submitted and evaluated for the GEF 5 Portfolio Consideration

No.	Project Title	Submitted by	Name of the focal person	Address of the focal person	Budget requested	Area	Status
1.	Potential Adaptation Strategies for Impacts of Climate and Land use Changes on Lake Level Fluctuation and Environmental Flows: The case of Lake Abaya-Chamo Basin	Arba Minch University: Department of Metrological Science	Yakob Mohammed	+251 46881486 0921898906	US\$33,812	CC	Being considered in the Small Grant Programme
2.	Inland Water Transport Development	Ministry of Transport	Robel Meseret	abiti2003@yahoo.com	Not shown	CC	PIF not received
3.	Ecosystem Based Climate Change Analysis for the Development of Climate Resilient Sustainable Economy in Ethiopia: Action Oriented Research Proposal	Addis Ababa university	Dr. Belay Simane	<a href="mailto:simaneb@yahoo.com">simaneb@yahoo.com</a> <a href="mailto:belaysimane@ethionet.et">belaysimane@ethionet.et</a> Tel: +251 9111223044	US\$0.35million	CC	PIF received
4.	Scaling up of the Community Based Mountain Rehabilitation Strategies for Adaptation and Mitigation of Climate Change on Choqe Mountain (Head of the Blue Nile)	YealeMBERhan Molla	Debre Markos University	<a href="mailto:yealemtom@yahoo.com">yealemtom@yahoo.com</a>	3.4 Million Eth Birr	LD	PIF not received
5.	Digitizing Plan Genetic Resource Information for Biodiversity	Addis Ababa University: National	Prof. Sebsebe Demessew	+251 111232654 <a href="mailto:sebsebed@bio.aau.edu.et">sebsebed@bio.aau.edu.et</a> <a href="mailto:S_demissew@yahoo.com">S_demissew@yahoo.com</a>	US\$0.75	BD	PIF received



No.	Project Title	Submitted by	Name of the focal person	Address of the focal person	Budget requested	Area	Status
	Conservation and Ecosystem Management	Herbarium					
6.	6.1 Surveying and Establishing Alatish/Awejmis Wildlife Reserve area as Regional and National Park	Benishangul Gumuz Environmental Protection Land Administration and Use Bureau	Mebratu Jaro	janomebratu@yahoo.com		BD	PIF not received
	6.2 An Integrated Tropical Lowland Bamboo Ecosystem Protection Restoration and Management: The case of Benishangul Gumuz Regional State, Kamashi Woreda and Maokomo Special Woreda	Benishangul Gumuz Environmental Protection Land Administration and Use Bureau`	Mebratu Jaro	janomebratu@yahoo.com	Total: US\$2,114,600; From GEF: US\$2,001,000	BD	PIF not received
7.	7.1 Combating Land Degradation through Promoting Integrated Sustainable Dry-land Management System (Eastern and South Eastern Dry lands of Ethiopia	Ministry of Agriculture, Natural Resources Management Directorate	Tefera Tadesse	<a href="mailto:aklile201@gmail.com">aklile201@gmail.com</a>	Total: US\$2,104,952.94; GEF: US\$2,000,000 Gov: US\$104,952.94	LD	PIF not received
	7.2 Combating Land Degradation through Sustainable	»	Mebratu Jaro	janomebratu@yahoo.com	Total: US\$2,104,952. GEF:US\$2,000,0	LD	PIF not received

No.	Project Title	Submitted by	Name of the focal person	Address of the focal person	Budget requested	Area	Status
	Utilization of Dryland Ecosystem Resources: A case of Gum Arabic Resins (North and North Western Drylands)				00 Gov: US\$104,952.94		
8.	8.1 Integrated Biodiversity Conservation in Yangudi Rassa/ Allideghi Wildlife Reserve in the Afar Regional State	Ethiopian Wildlife Conservation Authority- GIZ-IS	Dr. Ludwig Siege	<a href="mailto:Ludwig.siege@giz.de">Ludwig.siege@giz.de</a> <a href="mailto:Lakew.berhanu@gmail.com">Lakew.berhanu@gmail.com</a>	GEF: US\$2,500,000; Co-financing: US\$9,350,000; Total: US\$11,850,000	BD	PIF received
	8.2 Strengthening the Protected Area Network within the Afro-Montane Forest Biodiversity Hotspot of Ethiopia	Ethiopian Wildlife Conservation Authority- GIZ-IS	Dr. Ludwig Siege	<a href="mailto:Ludwig.siege@giz.de">Ludwig.siege@giz.de</a> <a href="mailto:Lakew.berhanu@gmail.com">Lakew.berhanu@gmail.com</a>	GEF: US\$2,005,000; Co-financing: US\$5,505,000; Total: US\$7,510,000	BD	PIF received
9.	9.1 Strengthening Community Based Biodiversity Conservation in Alatish Protected Dry Woodland Ecosystem	Amhara Bureau of Environmental Protection Land Administration and Use Authority	Sentayehu Deresse	sintayehud@gmail.com	GEF: US\$1,150,000; Baseline (commu, Gov. inkind): US\$3,000,000	BD	PIF not received
	9.2 Promoting Sustainable Use of Economically Useful Plants at Quara-Metema	»	»	»	GEF: US\$745,000 Cofinancing: US\$350,000 (gov, commu)	BD	PIF not received

No.	Project Title	Submitted by	Name of the focal person	Address of the focal person	Budget requested	Area	Status
	Woredas						
10.	10.1 Inventory, Safeguarding and disposal of PoPs Pesticides in Ethiopia	African Stockpiles Project	Shimelis Hassen	<a href="mailto:shimelishassen@yahoo.com">shimelishassen@yahoo.com</a>	Total: US\$3,000,000	POPs	PIF not received
	10.2 Assessment of POPs residue in Soil, Sediments, Water, Fish, Food Crops and Animal Feed Samples of Ethiopia	»	»	»	Total: 4,028,000 birr	POPs	PIF not received
11.	Persistent Organic Pollution Mitigation and Control at Dire-Teyara in Harari Region	Harar Environmental Protection Authority	Desta Getachew	<a href="mailto:destagetachew@gmail.com">destagetachew@gmail.com</a>	Total: 680,000 Eth GEF: 680,000 Eth	POPs	PIF not received
12.	Restoration and Management of degraded Afromontane Forest and adjoining Landscape through Sound Understanding of the Dynamics of Local Biodiversity: the case of Chebera Churchura National Park	»	»	»	1,800,000 Birr	LD/ BD	PIF developed and submitted in the form of a programme
13.	Establishing Community-Based Ecotourism Projects for Sustainable Conservation of Biodiversity in the Moist Afromontane Forest	Jimma University	Abyot Desta	abdesta@ymail.com	GEF: 1,000,000 Birr; 100,000 Birr (cofinancing)	BD	PIF received

No.	Project Title	Submitted by	Name of the focal person	Address of the focal person	Budget requested	Area	Status
14.	Community-Based Integrated Watershed Management for Enhancing Productivity of Agricultural Land and Rehabilitation of degraded lands in the Eastern Ethiopian Highlands	Haromaya University	Kibebew Kibret	<a href="mailto:kibebewkibrett@yahoo.com">kibebewkibrett@yahoo.com</a>	Total: US\$1,998,045; GEF: US\$1,411,904 Gov: 586,141	LD	PIF developed and submitted in the form of a programme
15.	15.1 An Assessment of the Environmental Protection Problems Prevailing in Pastoralist and Agro-pastoralist Areas of Three Kebeles in Jigiga Zone, Somali National Regional State	Jijiga University	Medhanit Bekele Getachew Megersa	<a href="mailto:medhanitb27@gmail.com">medhanitb27@gmail.com</a>	Total: US\$579,830; GEF: US\$290,420; University in Cast: US\$132,520; in kind:156,890	LD	PIF developed and submitted in the form of a programme
	15.2 Combating Climate Variability/ Change through Small Scale or Backyard Forage Production as Rangeland Rehabilitation in Pastoral and Agro Pastoralist Communities of Jijiga Zone, Somali National Regional State	»	»	»	Total: US\$631,643; GEF: US\$320,456; University in Cash:146,867; 164,320 in kind	CC	PIF developed and submitted in the form of a programme

No.	Project Title	Submitted by	Name of the focal person	Address of the focal person	Budget requested	Area	Status
16.	Conservation and Development of Biodiversity in Harari Region in Rural Kebeles of Sofi and Hakim Woredas	Harari Environmental Protection Authority	Desta Getachew	<a href="mailto:Destagetachew@gmail.com">Destagetachew@gmail.com</a>	Total: 1,545,000 birr GEF: 1,500,000	BD	PIF developed and submitted in the form of a programme
17.	17.1 Alternative Energy Source Development (in Amharic)	Afar Pastoral Agricultural and Rural Development Bureau	Assefa Birru	<a href="mailto:assbir@yahoo.com">assbir@yahoo.com</a>	Total: 800,000 birr	CC	PIF not received
	17.2 Conservation of Endogenous Plant Useful for Animal Feed, Medicinal Plant and others (in Amharic)	»	»	»	Total: 570,000 birr	BD	PIF not received
	17.3 Soil and Water Conservation	»	»	»	Total: 841,060 birr	LD	PIF not received
	17.4 Tendaho Reservoir Fishery Development	Afar Pastoral Agricultural and Rural Development Bureau	Assefa Birru	<a href="mailto:assbir@yahoo.com">assbir@yahoo.com</a>	Total: US\$1,582,680	BD	PIF not received
18.	Study of Wind Turbine: Design and Construction and Wind Potential Analysis in Western Ethiopia	Wolega University : Environmental Science Programme	Nejib Mohammed Dr. Tesgera Bedassa	<a href="mailto:nejibe2000@yahoo.com">nejibe2000@yahoo.com</a> <a href="mailto:tesgerab@phys.aau.edu.et">tesgerab@phys.aau.edu.et</a>	Total: US\$54,000	CC	PIF received
19.	19.1 Etanzera and Doroka Community-based Watershed Mgt and	Tigray Region Environmental Protection	Hadgu Welde Selassie	+251 914728683 <a href="mailto:dssc1995@yahoo.com">dssc1995@yahoo.com</a> <a href="mailto:haileab21@yahoo.com">haileab21@yahoo.com</a>	Total: 2,150,000 Birr; GEF:	CC/L D	PIF not received

No.	Project Title	Submitted by	Name of the focal person	Address of the focal person	Budget requested	Area	Status
	Sustainable Livelihood Improvement for Climate Change adaptation in Tigray Region, Asgedetsimbla Woreda	Land Administration and Use Agency			1,379,805Birr		
	19.2 Solid Waste Collecting, Sorting, and Conversion into Compost in Mekele City	Tigray Region Environmental Protection Land Administration and Use Agency	Hadgu Welde Selassie	+251 914728683 <a href="mailto:dssc1995@yahoo.com">dssc1995@yahoo.com</a>	Total: 1,694,750birr GEF: 799,175Birr	LD	PIF not received
	19.3 May-tsriti Community Based Environmental Management and Sustainable Livelihood Improvement for Climate Change Adaptation in Ganta Afeshum Woreda, Tigray	»	»	»	Total: 1,265,005birr GEF: 829,205Birr	CC	PIF not received
	19.4 Community Based Sustainable Utilization and Management of Lake Hashenge	»	Hadgu Welde Selassie	»	Total: 2,673,068 birr GEF: 1,726,261	LD	PIF not received
	19.5 Integrated Development	Tigray Region Environmental	Hadgu Welde	+251 914728683 <a href="mailto:dssc1995@yahoo.com">dssc1995@yahoo.com</a>	Total: 5,512,251Birr	BD	PIF not received

No.	Project Title	Submitted by	Name of the focal person	Address of the focal person	Budget requested	Area	Status
	Approach to Conserve Biodiversity and Combat Environmental Degradation on Bubasewit Watershed in Tahetai Maichew and Medebay Zana Woreda, North-Western Zone of Tigray	Protection Land Administration and Use Agency	Selassie		GEF: 2,072,951		
20.	20.1 Understanding of Climate Change in Relation to Drought and Early Warning System as a Means of Improving Decision-Making for Climate Change Adaptation in Arid and Semi-Arid Region of Ethiopia	Mekele University	Amanuel Abreha	<a href="mailto:amanuelza@yahoo.com">amanuelza@yahoo.com</a> +251 344409018/19	Total: US\$20,000D	LD	Being considered in the Small Grant Programme
	20.2 River Discharge and Sediment Yield Assessment and Modeling in Medium-Sized Semi Arid Areas of Geba Catchments, Northern Ethiopia Highlands	Mekele University	Amanuel Abreha	<a href="mailto:amanuelza@yahoo.com">amanuelza@yahoo.com</a> +251 344409018/19	Total: US\$10,000	LD	Being considered in the Small Grant Programme
21.	Development of Flood	Ministry of	Alemayehu	<a href="mailto:atafesse@nilebasin.org">atafesse@nilebasin.org</a>	Total:	CC	The amount

No.	Project Title	Submitted by	Name of the focal person	Address of the focal person	Budget requested	Area	Status
	Control and Early Warning	Water and Energy	Tafesse		US\$50Million		requested is above the funding capacity of the National STAR allocation.
22.	Bush Clearing and Rangeland Rehabilitation	Afar Pastoral Agricultural and Rural Development Bureau	Assefa Birru	<a href="mailto:assbir@yahoo.com">assbir@yahoo.com</a>	Total: 2,293,900 birr	BD/LD	PIF not received
23.	23.1 Rehabilitation and Restoration of Rangelands in Afar, Somali, SNNPR (South Omo Zone), Oromia (Borena Zone)	Ethiopian Agricultural Research Institute (EARI)	Dr. Fasil Reda	Fasilreda@gmail.com	No Budget shown	BD	PIF not received
	23.2 Rehabilitation and restoration of endangered/threatened high value tree species in Somali and Gambella regions	Ethiopian Agricultural Research Institute (EARI)	Dr. Fasil Reda	Fasilreda@gmail.com	No Budget shown	BD	PIF not received



No.	Project Title	Submitted by	Name of the focal person	Address of the focal person	Budget requested	Area	Status
	23.3 Developing conservation based, integrated water-crop-livestock management strategies for mitigating the impact of drought and climate change in the dry lowlands of Ethiopia	Ethiopian Agricultural Research Institute (EARI)	Dr. Fasil Reda	Fasilreda@gmail.com		CC	PIF not received
24.	24.1 Development of Flood Control and Early Warning	Ministry of Water and Energy	Alemayehu Tafesse	<a href="mailto:atafesse@nilebasin.org">atafesse@nilebasin.org</a>	Total: US\$50Million	CC/L D	The amount requested has become above the funding capacity of the National STAR allocation.
	24.2 Rehabilitation of Degraded Land Through Integrated Watershed Management	Ministry of Water and Energy	Alemayehu Tafesse	<a href="mailto:atafesse@nilebasin.org">atafesse@nilebasin.org</a>	Total: US\$150Million	LD	The amount requested has become above the funding capacity of the National STAR allocation.

No.	Project Title	Submitted by	Name of the focal person	Address of the focal person	Budget requested	Area	Status
	24.3 Water Harvesting Technologies	Ministry of Water and Energy	Alemayehu Tafesse	<a href="mailto:atafesse@nilebasin.org">atafesse@nilebasin.org</a>	Total US\$10Million	LD	The amount requested has become above the funding capacity of the National STAR allocation.
	24.4 Small-scale Wind and Solar Pumps Development	»	»	»	Wind pumps = US\$ 63 Million for 9600 units Solar pumps = US\$142 Million for 9600 units Total: US\$205 Mill	LD/ CC	The amount requested has become above the funding capacity of the National STAR allocation.
	24.5 Institutional and Small Scale Industries Biomass Energy Conservation Technologies	Ministry of Water and Energy	»	»	Total: US\$106 Million for 180 units of institutional stoves	CC/ BD	The amount requested has become above the funding capacity of the National STAR allocation.
	24.6 Dissemination of Solar Home System and Institutional Photovoltaic (PV) System	Ministry of Water and Energy	»	»	Solar Home Systems = 1.92 million for 4million households for Institutional PV = US\$86.40 Million for 14,400 institutions	CC	The amount requested has become above the funding capacity of the National STAR allocation.

No.	Project Title	Submitted by	Name of the focal person	Address of the focal person	Budget requested	Area	Status
					Total Cost Estimated = US\$88 Million		
	24.7 Dissemination of Efficient Biomass Stoves	Ministry of Water and Energy	Alemayehu Tafesse	<a href="mailto:atafesse@nilebasin.org">atafesse@nilebasin.org</a>	Total: US\$40 Million for 4Million households	CC/BD	The amount requested has become above the funding capacity of the National STAR allocation.
	24.8 Dissemination of Biogas Digester	»	»	»	Total: US\$13.6 Million for 19200 units	CC	The amount requested has become above the funding capacity of the National STAR allocation.
	24.9 Development and Promotion of Small Scale Biofuel Technologies	»	»	»	Total: US\$2.43 Million	CC	PIF not submitted
25.	25.1 Sustainable Charcoal Programme	Ministry of Mines	Gosaye Mengisty	Tel: +251 116463364 gosayea@yahoo.com	GEF Grant requested: US\$7,524,000 (Subject to Ethiopia's choice to allocate)	CC/L D/B D/SF M	PIF submitted
26.	26.1 Ethiopian Bamboo Value Chain Enhancement	Ministry of Agriculture		+251 11518040	Budget is not shown	CC/L D	PIF not submitted
	26.2 Participatory Agro-biodiversity Utilization: The case	Dilla University	Amare Bantider Dagnew	P.O.Box 419 Phone: +251 (0)46 331 45 98	Total: 9,000,000 birr	BD	PIF submitted

No.	Project Title	Submitted by	Name of the focal person	Address of the focal person	Budget requested	Area	Status
	of Underutilized Root and Tuber Crops		(PhD) Wondawek Abebe (PhD)	Fax: +251 (0)46 331 26 74/23 62 Mobile: 0911702618 <a href="mailto:amare_zerfe@yahoo.com">amare_zerfe@yahoo.com</a> <a href="mailto:wendaweka@yahoo.com">wendaweka@yahoo.com</a>			
27.	27.1 Community Based Integrated Natural Resources Management: Improving Ecosystem Integrity and Rural Livelihood in lower Bilate & Gidabo River Catchments	Dilla University	Amare Bantider	<a href="mailto:Amare_zerfe@yahoo.com">Amare_zerfe@yahoo.com</a> <a href="mailto:Bogale_teferi@yahoo.com">Bogale_teferi@yahoo.com</a>	Total: 1,500,000 birr	BD	PIF submitted with amendments.

## Annex II: PIFs Submitted for the GEF 5 Portfolio Consideration

No.	Project Title	Submitted by	Name of the focal person	Address of the focal person	Budget requested US\$	Area	Duration of the Project
<b>I. Programmes</b>							
<b>African Regional Programmes</b>							
1	Lighting Africa Programme Expansion	Ministry of Water and Energy	Wossenu Areda	Tel: +251116 611111	1,000,000	CC	36 months
2	Sustainable Charcoal Programme	Ministry of Water and Energy	Gosaye Mengisty	Tel: +251 116463166	2,805,000 2,464,000 561,000 <u>1,694,000</u> <u>7,524,000</u>	LD CC BD SFM	Duration not shown
<b>National Programmes</b>							
3	Programme on Combating Climate Change through Integrated Community Based Natural Resource Development, Management and Efficient Utilization in Eastern Lowlands of Ethiopia.	<b>Submitted by Jijiga University on behalf of:</b> <ul style="list-style-type: none"> <li>• Dire Dawa Administration,</li> <li>• Hareri</li> <li>• People National Regional State, Environmental Protection Authority</li> <li>• Haramaya University</li> <li>• Jigjiga University</li> <li>• Eastern Oromiya Zone Administration</li> </ul>	Getachew Megerssa	<a href="mailto:medhanitb27@gmail.com">medhanitb27@gmail.com</a> Mob: +251 911 31 13 43	1,173,989	CC	January 1, 2013 To December 30, 2015
4	Biodiversity Conservation and Development Programme in the Eastern Part of Ethiopia (Dire Dawa Administration, Hareri, Eastern Oromiya and Somali National Regional State) through	<b>Submitted by Dire Dawa Administration on behalf of:</b> <ul style="list-style-type: none"> <li>• Dire Dawa Administration,</li> <li>• Hareri People National</li> </ul>	Andualem Tesfaye	andualemtesfaye2000@yahoo.com	1,061,669	BD	January 2013 – January 2015

No.	Project Title	Submitted by	Name of the focal person	Address of the focal person	Budget requested US\$	Area	Duration of the Project
	Enhancing Community Based in-situ and Ex-situ Conservation.	Regional State, Environmental Protection Authority • Haramaya University • Jigjiga University • Eastern Oromiya Zone Administration					
5	Programme of Integrated Forest Landscape Restoration and Rehabilitation and Ecotourism Development for Sustainable Management and use of Biodiversity in the Afromontane Forests.	Jimman and Dilla University	Abiot Desta  Yishak Sahle	1. <a href="mailto:abdesta@ymail.com">abdesta@ymail.com</a> Jimma University 2. <a href="mailto:yisluda@yahoo.com">yisluda@yahoo.com</a> Dilla University  Tel: +251 911750797	1,100,000	BD	January 2016 January 2012
6	Integrated Biodiversity Conservation in Yangudi Rassa/ Allideghi Wildlife Reserve in the Afar Regional State	Ethiopian Wildlife Conservation Authority (EWCA) and Regional States	Girma Workie	Tel. +251-11-553-93-81 Fax. +251-11-554-68-04 Mob. +251-911-15-76-18 OR +251-0912-60-33-76	2,005,000	BD	Duration not shown
7	Strengthening the Protected Area Network within the Afro-Montane Forest Biodiversity Hotspot of Ethiopia	»	»	»	2,500,000	BD	Duration not shown
8	Community-Based Integrated Watershed Management Programme for Enhancing Productivity of Agricultural Landscapes and Rehabilitating	<b>Submitted by Haramaya University on behalf of:</b> • Dire Dawa Administration, • Hareri	Kibebew Kibret Tsehai	kibebewkibrett@yahoo.com	1,451,616.60	LD	Feb 2012 to Feb 2015

No.	Project Title	Submitted by	Name of the focal person	Address of the focal person	Budget requested US\$	Area	Duration of the Project
	Degraded Forest Lands in the Eastern Ethiopian Highlands	<ul style="list-style-type: none"> <li>• People National Regional State, Environmental Protection Authority</li> <li>• Haramaya University</li> <li>• Jigjiga University</li> <li>• Eastern Oromiya Zone Administration</li> </ul>					
9	National Programme to Diversify the Application of Renewable Energy, Particularly through the Use of Bio-fuel and Biogas (CC and BD).	Environmental Protection Authority	Berhanu Solomon	berhansol@yahoo.com	1,500,000 2,000,000	CC BD	3 years, starting March 2012
10	National Programme on Increasing the Application of Compost and Sound Livestock Management to Enhance Soil Fertility and Agricultural Productivity (LD and BD).	Environmental Protection Authority	Berhanu Solomon	berhansol@yahoo.com	1,500,000 1,000,000	BD LD	2 years Starting April 2011
11	National Programme on Increasing Vegetation Cover Including through the Management of Areas Closed off to Grazing (CC, BD and LD)	Environmental Protection Authority	Berhanu Solomon	berhansol@yahoo.com	1,500,000 1,500,000 1,000,000	CC BD LD	3 years Starting March 2012

No.	Project Title	Submitted by	Name of the focal person	Address of the focal person	Budget requested US\$	Area	Duration of the Project
12	National Programme on Enhancing Access to Energy Services through the Penetration of Fuel Efficient Cooking Stove (BD and LD)	Environmental Protection Authority	Berhanu Solomon	berhansol@yahoo.com	1,000,000 1,000,000	BD LD	3 years starting February 2012
<b>II. Projects</b>							
13	Building Resilience to Climate Change in Ethiopia: Ecosystem Based Approach through Community Innovation Platforms	Addis Ababa University	Dr. Belay Simane	simaneb@yahoo.com	385,000	CC	
14	Study of Wind Turbine: Design, Construction and Wind Potential Analysis in Western region	Wollega University	1. Dr. Tesgera Bedass 2. Najib Mohammed 3. Dereje Asrat	1. +251 911 407269 <a href="mailto:tesgerab@phys.aau.edu.et">tesgerab@phys.aau.edu.et</a> , <a href="mailto:tesgerab@yahoo.com">tesgerab@yahoo.com</a> 2. +251 911 144884 <a href="mailto:nejibe2000@yahoo.com">nejibe2000@yahoo.com</a> 3. +251 913 162661 <a href="mailto:Dereje10t@gmail.com">Dereje10t@gmail.com</a>	86,000	CC	
15	Community based Integrated Watershed Management (CBIWM): Reclaiming Kulfo River	Arba Minch University	Dr. Kassa Tadelle	+251-911-748718 E-mail address: <a href="mailto:kassatad@yahoo.com">kassatad@yahoo.com</a>	192,400	BD	
16	Digitizing Plant Genetic Resource Information for Biodiversity Conservation and Ecosystem Management	Submitted by Addis Ababa University National Herbarium to jointly implement with <ul style="list-style-type: none"> <li>College of Natural Science</li> </ul>	Sebsebe Demissew, Prof.	P.O. Box 3434 Fax: +251-111-236769 Tel: +251-111-232654 <a href="mailto:sebsebed@bio.aau.edu.et">sebsebed@bio.aau.edu.et</a> / <a href="mailto:s_demissew@yahoo.com">s_demissew@yahoo.com</a>	550,000	BD	From 2011 - 2016



No.	Project Title	Submitted by	Name of the focal person	Address of the focal person	Budget requested US\$	Area	Duration of the Project
		<ul style="list-style-type: none"> <li>Institute of Biodiversity Conservation</li> <li>Haramaya University</li> </ul>					
17	Participatory Agro-biodiversity Utilization: the case of underutilized root and tuber crops in South and Western Ethiopia	Dilla University	Amare Bantider Dagnev (PhD) Wondawek Abebe (PhD)	P.O.Box 419 Phone: +251 (0)46 331 45 98 Fax: +251 (0)46 331 26 74/23 62 Mobile: 0911702618 <a href="mailto:amare_zerfe@yahoo.com">amare_zerfe@yahoo.com</a> <a href="mailto:wendaweka@yahoo.com">wendaweka@yahoo.com</a>	468, 600	BD	Duration not shown
18	Community Based Conservation and Rehabilitation of Moist Afromonatane Forest in South Western Ethiopia	Wollega University	Nejibe Mohammed	<a href="mailto:nejibe2000@yahoo.com">nejibe2000@yahoo.com</a>	1,436,254.36	BD	Duration not shown
19	Forest Resources Assessment and Monitoring	Environmental Protection Authority	Tesfaye Woldeyes	<a href="mailto:gamtesfaye@yahoo.com">gamtesfaye@yahoo.com</a>	260,101	BD	Duration not shown

