



በኢትዮጵያ ፌዴራላዊ ዲሞክራሲያዊ ሪፐብሊክ
የከተማ ልማትና ኮንስትራክሽን ሚኒስቴር
THE FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA
MINISTRY OF URBAN DEVELOPMENT & CONSTRUCTION



ቁጥር
Ref.No 8/400250/174
ቀን
Date 30-4-17
አዲስ አበባ-ኢትዮጵያ
ADDIS ABABA - ETHIOPIA

To Ministry of Finance

Addis Ababa

To UNDP Country Office

Addis Ababa

Subject: Submission of Annual Work Plan of NAMA COMPOST Project for 2020

Dear Sir/Madam

We have developed annual work plan of Ethiopian NAMA: Creating Opportunities for Municipalities to Produce and Operationalise Solid Waste Transformation (COMPOST) project which has been under implantation by our Ministry since 2017. Activities and related financial plan for 2020 is enclosed with this letter for your approval.

Best Regards,


Mesfin Assefa Kassaye
State Minister



Enc. Annual Work Plan

UNDP Registry Addis Ababa	
Received Date	10 JAN 2020
FILE	Pro/300110
ACTION	INFO
Wubia M	
ACTION COMPLETED	



Annual Work plan

UNDP FY 2020

EFY 2012/2013

United Nations Development Programme

Ethiopia

Empowered lives.
Resilient nations.

Project Title:	Ethiopian NAMA: Creating Opportunities for Municipalities to Produce and Operationalize Solid Waste Transformation (COMPOST)
----------------	--

UNDAF/Country program Outcome:

UNDAF Outcome 2: By 2020 private sector driven industrial and service sector growth is increasingly inclusive, sustainable, competitive and job-rich.

UNDAF Outcome 5: By 2020 key government institutions at federal and regional levels, including cities, are able better to plan, implement, and monitor priority climate change mitigation and adaptation actions and sustainable resource management.

UNDAF Outcome 13: By 2020 national and sub-national institutions apply evidence based, results-oriented and equity-focused decision-making, policy formulation, programme design, monitoring, evaluation and reporting.

Project outcomes :

Outcome 1: The regulatory and legal framework, institutional and coordination mechanisms, and tools are established for supporting the national policy environment for integrating ISWM and UGI within urban systems in 6 selected cities and towns.

Outcome 2: A market-based system is developed and participating Micro & Small Enterprises (MSEs) are supported professionally to ensure the financial sustainability of compost production and utilization.

Outcome 3: A NAMA is designed and implemented to catalyze the transformational capacity of integrated urban systems to generate large emission reductions.

Outcome 4: Proof-of-concept urban systems integrating ISWM and UGI are operationalised with quantified GHG emission reductions in a NAMA framework.

Expected Project Output(s):

Outcome 1 The regulatory and legal framework, institutional and coordination mechanisms, and tools are established for supporting the national policy environment for integrating ISWM and UGI within urban systems in 6 selected cities and towns;

Output 1.1: Developed ISWM and UGI standards that are transposed to the regional (sub-national) level;

Output 1.2: Tools and protocols for the enforcement of legal ISMW/UGI jurisdictions and the adoption of best practices for sustainable land management regarding urban greenery, waste management and IUWM;

Output 1.3: Incentives for, and promotion of, source-sorting by households in all kebeles in selected municipalities;

Output 1.4: An adopted national standard for organic compost with quality assurance systems (QAS) is in place at the regional (sub-national) level;

Output 1.5: A resettlement Action Plan for illegal settlers and with the project boundary according to UNDP's Displacement and resettlement standard;

Output 1.6: A twinning programme with other cities and towns experienced in ISWM and UGI, and with institutions developing and implementing standards, to inspire and build capacities;



Outcome 2 A market-based system is developed and participating Micro & Small Enterprises (MSEs) are supported professionally to ensure the financial sustainability of compost production and utilization **Output 2.1:** A developed capacity building programme in conjunction with the Entrepreneur Development Centre

(EDC) to enhance the occupational health & safety conditions of Micro & Small Enterprises (MSEs) – especially in SWM – and to enhance the entrepreneurship skills of all MSEs;

Output 2.2: An established financing mechanism to support the establishment of new MSEs and to support the skills and technological enhancement of existing MSEs in the ISWM-UGI value chain;

Output 2.3: Market outlets for compost generated by the municipal composting plants through long-term contracts with public (municipalities, city/town administrations), and private (landscapers, nurseries, farmers) institutions so as to support urban agriculture and peri-urban forestry on a large-scale;

Output 2.4: Market outlets for the non-organic recycled waste processed by the municipal sorting plant through long-term contracts with recycling firms;

Output 2.5: ISWM and UGI curriculum in education;

Output 2.6: An established voluntary carbon offset scheme to support urban and peri-urban reforestation;

Outcome 3: A NAMA is designed and implemented to catalyze the transformational capacity of integrated urban systems to generate large emission reductions

Output 3.1: Established standardized UGI and ISWM baselines for calculating emission reductions;

Output 3.2: Developed MRV mechanisms for each of the 4 elements in Output 3.1;

Output 3.3: Developed comprehensive technology baselines and prioritization of technology options for ISWM and UGI;

Output 3.4: NAMA registered on the UNFCCC NAMA Registry and implemented – initially covering 6 regional cities and towns but with the potential for scale-up within Ethiopia;

Outcome 4: Proof-of-concept urban systems integrating ISWM and UGI are operationalized with quantified GHG emission reductions in a NAMA framework **Output 4.1:** Composting plant built, equipped and implemented in 6 regional cities and towns and linked with the Agricultural Transformation Agency's blending facilities to progressively complement blended chemical fertilizers with compost;

Output 4.2: Rehabilitated and cleaned open green spaces and riparian corridors;

Output 4.3: Reforestation of 33,309 ha of degraded land in 6 cities and towns, including support for existing nurseries to produce compost-grown seedlings.

Implementing Partner: Ministry of Urban Development and Construction

Brief Description of the Programme

The Urban NAMA: COMPOST project which targets six cities and towns (Dire Dawa, Bahir Dare, Mekelle, Hawassa, Adama and Bishoftu), is designed to promote greater use of Integrated Solid Waste Management (ISWM) and Urban Green Infrastructure (UGI) approaches in Ethiopian cities and towns that will assist the Government of Ethiopia in achieving its objectives of its Growth and Transformation Plan (GTP II). It targets fulfillment of the Sustainable Development Goals (SDGs: 1, 2, 8, 11, 13 and 15) by developing green areas, increasingly a locality's beauty, and protecting against air and sound pollution, flooding and heat island effect events during the summery. This will be achieved through four outcomes including i) strengthening the regulatory and legal framework and institutional coordination mechanisms to integrate ISWM and UGI within urban systems; ii) a developed market-based system with micro and small enterprises (MSEs) who are supported professionally to ensure financial sustainability of compost production and utilization; iii) implementation of a NAMA that transforms capacity of integrated urban systems to generate large emission reductions; iv) operationalized urban systems that integrate ISWM and UGI with quantified GHG emission reductions within a NAMA framework. The impact of Project activities will lead to increased emission reductions, increased resilience of urban areas to drought and flooding hazards, improved quality of life in urban areas, and increased employment opportunities for marginal income households in urban and periurban areas.

At the end of its lifetime, the Urban NAMA: COMPOST project will deliver direct annual emission reductions from UGI initiatives and




ISWM equal to approximately 306,000 and 132,321 tCO₂e, respectively. These will accrue from the annual generation of 45,489 tonnes of compost from 151,629 tonnes of household organic waste, and the reforestation of 33,309 ha of degraded land by the end of the 5-year project lifetime. By assuming a lifetime of 20 years for compost facilities and managed landfills as well as for carbon sequestration and the generation of renewable biomass for thermal energy, the direct emission reductions generated by the project will be 8.33 MtCO₂e, giving a GEF abatement cost of 0.80 US\$/tCO₂e. The number of direct jobs created through composting by the end of the 2021 will be 744, of which at least 50% will be for women and youth. Additional direct jobs will be created by the UGI activities of the project, such as in nurseries, and digging and planting of trees. The project will produce co-benefits such as increased resilience of urban areas to drought and flooding hazards, and improved quality of life in urban areas.

UNDAF Programme Period , 2016 - 12, 30, 2020	EFY 2012/13 AWP budget: \$ 515,300
Key Result Area (Strategic Plan): Environment and Sustainable Development	Total resources required \$ 515,300
Atlas Award ID: 00096338	Total allocated resources: \$ 515,300
Start date: 01/01/2018	<ul style="list-style-type: none"> Regular (TRAC) UNDP \$15,300.0 Other:
End Date: 12/31/2018PAC	* Donor GEF-UNDP \$ 500,000
Meeting Date: ---	* Government _____
Management Arrangement: ---	Unfunded budget: _____


Agreed by IP MU DC:  **Mesfin Assefa Kassaye**
State Minister Date: **9/6/2020**

Agreed by MOF:

 **Yonas Getachew**
UN Agencies, CRGE Facility &
Regional Economic Cooperation
Directorate Director

Agreed by UNDP:

Date:

Gizachew Sisay
RR, Oic  **10/01/2020**

EXPECTED PROJECT OUTPUTS And baseline, associated indicators and annual targets	PLANNED ACTIVITIES List activity results and associated actions	ETHIOPIA FY						RESP.		PLANNED BUDGET		
		2012 Budget (USD)		2013 Budget (USD)				PARTY	Funding Source	Budget Description	Amount (in USD)	
		Q.3	Q.4	Q.1	Q.2	Q.3	Q.4					
		UNDP FY 2020										
		Q.1	Q.2	Q.3	Q.4							
Outcome 1: Regulatory and legal framework, institutional and coordination mechanisms, and tools are established for supporting national policy environment for integrating ISWM and UGI within urban systems												
Indicator 1.2: Number of tools and mechanisms developed for encouraging the integration of ISWM and UGI in urban systems	Activity 1.2.1 Replicate best practices in urban green area management practices to 6 cities including development of by-laws and MOUs	6,000.00						MUDC	GEF	71600	6000	
Baselines (2017): There are no tools or mechanisms developed for encouraging the integration of ISWM and UGI in urban systems												
Targets (2018):: 6 tools for safeguarding legal UGI and ISWM jurisdictions for 6 cities												
Subtotal (Per Quarter)		6,000	-	-	-	-	-					
Subtotal (Per Half Year)		6,000	6,000									
Subtotal AWP Period (January 2020 - December 2020)												6,000



<p>Indicator 1.3: Number of tools and mechanisms developed for encouraging the integration of ISWM and UGI in urban systems</p> <p>Baselines (2017): There are no incentives for promoting source sorting by households in any municipality in Ethiopia</p> <p>Targets (2018): 1 mechanisms in the form of an incentive (for source sorting of waste at households) for each of the 6 cities in the Project</p>	Activity 1.3.1 Develop Information, Education and Communication materials (1000 brochure and 3500 posters) on source sorting and ensure they are accessed by the public	2,800							MUDC	GEF	74200	2,800
	Activity 1.3.2 Conducting awareness raising programmes through (12 radio, 12 TV programs), road side show, community and school outreach programmes on source sorting	6,000			6,000				MUDC	GEF	74200	12,000
	Activity 1.3.3 Up scale best practices gained in source sorting from model villages to 12 new villages in 6 cities	4,000	4,000	4,000	4,000	4,000			MUDC	GEF	71400	16,000
	Activity 1.3.4 Support introduction of separate transportation system for organic waste in 6 cities inline with their existing solid waste management system	2,000	2,000	2,000	2,000	18,000			MUDC	GEF	75700	18,000
									MUDC	GEF	71400	8,000



Subtotal (Per Quarter)		14,800	24,000	12,000	6,000		
Subtotal (Per Half Year)		38,800		18,000			
Subtotal AWP Period (January 2020 - December 2020)							56,800
Indicator 1.4: Number of standards adopted for organic compost	Activity 1.4.1 Make 24 laboratory test on quality of compost, record results and check its compliance with the standard.						
Baselines (2017): There are no national standards for organic compost in Ethiopia		1,200	1,200	1,200	1,200	MUDC GEF	4,800
Targets (2018):: An adopted national standard for organic compost with quality assurance systems in each city	Activity 1.4.2 Train 30 federal and regional experts on compost standards and guidelines		10,000			MUDC GEF	10,000
Subtotal (Per Quarter)		1,200	11,200	1,200	1,200		
Subtotal (Per Half Year)		12,400		2,400			
Subtotal AWP Period (January 2019 - December 2020)							14,800



Indicator 2.3: Number of market outlets for compost generated by municipal composting plants Baselines (2016): There are no market outlets for compost from MSW . Targets (2019): Additional 1 market outlets for compost generated by municipal composting plants	Activity 2.3.1 Check copost effectiveness on (1 each city) model farms in collaboration with universities and agricultural research institutes and promote result through 6 local media	6,000	MUDC	GEF	71600	6,000
	Activity 2.3.2 Create market linkage with 5 potential buyers at Federal and Regional Level	4,000	MUDC	GEF	71400	16,000
	Activity 2.3.3 Facilitate and equip 6 compost outlet shops for MSEs in 6 cities	6,000	MUDC	GEF	72200	6,000
	Activity 2.3.4 Procure 6000 bio-degradable compost packing bags with appropriate labling	34,000	MUDC	GEF	72200	34,000
Subtotal (Per Quarter)		38,000	10,000	10,000	4,000	
Subtotal (Per Half Year)		48,000		14,000		
Subtotal AWP Period (January 2020 - December 2020)						62,000

020)

Indicator 2.6: Number of established voluntary carbon offset agreements with private companies to support ISWM and UGI initiatives Baselines (2016): There are no existing voluntary carbon offset schemes for ISWM and UGI initiatives Targets (2019 and 2021): voluntary carbon offset schemes for ISWM and UGI initiatives established at national level.	Activity 2.6.1 Promote the carbon offset mechanism to potential 10 buyers through outreach, brochures and support the secretariate in operating the scheme	3,000	2,000	2,000	2,000	MUDC	GEF	71400	9,000
	Activity 2.6.2 Monitor and supporting MSEs in recording data on solid waste recycling and development of project for the carbon offset mechanism		5,000			MUDC	GEF	71600	10,000
Subtotal (Per Quarter)		3,000	7,000	2,000	7,000				
Subtotal (Per Half Year)			10,000		9,000				
Subtotal (Per Year)									19,000
Outcome Subtotal (Per Quarter)		63,000	21,000	28,000	15,000				
Outcome Subtotal (Per Half Year)			84,000		43,000				
Outcome Subtotal AWP Period (Jan 2020 - Dec 2020)									127,000
Outcome 4: A NAMA is designed and implemented to catalyze transformation of integrated urban systems to generate large emission reductions									



Indicator 4.1: Number of operational composting plants linked with ATA blending scheme Baselines (2016): No operational composting plants linked with ATA blending scheme Targets (2019): 1 compost plants is finalized and 45000 tons of compost produced from 136687 tons of organic waste.	Activity 4.1.1 Settle construction related financial claims by contractors for proper handling over of 2 composting sheds. 34355 tone of compst will be produced.	60,000						MUDC	GEF	71400	60,000
	Activity 4.1.2 Inagurate the composting sheds in the presence of potential buyers and the media for promotion (including launching of carbon offset mechanism)	10,000						MUDC	GEF	75700	10,000
	Activity 4.1.3 Conduct Social and Environmental Impact Assessment on the composting sheds and develop related management plan		15,000					MUDC	GEF	71300	15,000
	Subtotal (Per Quarter)	70,000	15,000	-	-						
Subtotal (Per Half Year)		85,000		-							
Subtotal (Per Year)										85,000	

[Handwritten signature]



<p>Output 4.2: Rehabilitated and cleaned open green spaces and riparian corridors.</p> <p>Indicator 4.2: Number of hectares of rehabilitated and cleaned open green spaces and riparian corridors</p> <p>Baselines (2016): 0 ha of rehabilitated land after</p> <p>Targets (2019): 4 degraded site (32ha)</p>	Activity 4.2.1 Rehabilitate 6 degraded and riparian areas in the cities	36,000	-	18,000	18,000	MUDC	GEF	71400	54,000
	Subtotal (Per Quarter)	36,000	-	18,000	-				
	Subtotal (Per Half Year)		36,000		18,000				
	Subtotal (Per Year)								54,000
<p>Output 4.3: Reforested degraded land in the vicinity of the 6 cities.</p> <p>Indicator 4.3: Number of hectares of reforested degraded land</p> <p>Baselines (2016): 0 ha of degraded land after 2017</p>	4.3.1 Reforest 10,000 ha of degraded land in 6 cities		6,000	30,000		MUDC	GEF	72100	36,000
	Activity 4.3.2: Arrange experience sharing on best practices among project cities			15,300		MUDC	UNDP	72100	15,300
				6,000		MUDC	GEF	71400	6,000



Targets (2019): 12292.53 ha of land reforested (6300 ha fire wood and 5992.53 aforestation)	Activity 4.3.3 Raising seedlings of various species (for afforestation and fuel wood) enough to cover 10,000 ha of land in 6 cities	36,000					MUDC	GEF	71400		36,000
	Activity 4.3.4 Constructing rain water harvesting structure or bore holes to mitigate the existing water shortage problems in the afforestation/reforestation programme	14,000	24,000				MUDC	GEF	71400		38,000
Subtotal (Per Quarter)		50,000	6,000	75,300	-						
Subtotal (Per Half Year)			56,000		75,300						
Subtotal (Per Year)											131,300
Administration and Management	PSC Meetings	11,400		10,000			MUDC	GEF	75700		21,400
	Salary of project staff (Accountant)	2,750	2,750	2,750	2,750		MUDC	GEF	71400		11,000
	Direct Project Costs including M & E		2,000		2,000		MUDC	GEF	71600		4,000
	Project financial management support for cities		500		500		MUDC	GEF	71600		1,000



Subtotal (Per Quarter)	14,150	5,250	12,750	5,250	
Subtotal (Per Half Year)		19,400		18,000	
Subtotal (Per Year)					37,400
Outcome Subtotal (Per Quarter)	170,150	26,250	106,050	5,250	
Outcome Subtotal (Per Half Year)		196,400		111,300	
Outcome Subtotal AWP Period (Jan 2020 - Dec 2020)					307,700
Total (Per Quarter)	258,150	82,450	147,250	27,450	
Total (Per Half Year)		340,600		174,700	
Total (Per Year)					515,300

[Handwritten signature]

