

Annual Work Plan (AWP) for 2018

Atlas Award ID:
Atlas Project ID:
Project/Programme Title:
UNDAF Outcome:

81156
90575

Efficient Energy Production and Improved Cookstoves
PRSP Pillar 2 - Managing Natural Resources

Outcome A: By 2018, targeted Government Institutions, the private sector, and local communities manage natural resources in a more equitable and sustainable way.

Outcome B: By 2018, communities within targeted districts demonstrate increased resilience to natural and man-made disasters.

Applicable Signature Solution Area (from 2018 - 2021 Strategic Plan)

- 1 Close the Energy gap
- 2 Keeping people out of poverty
- 3 Promote nature based solutions for a sustainable planet
- 4 Strengthen gender equality and the empowerment of women and girls

CPAP Outcome:

Outcome 6: Policy and legal framework, and institutional arrangements for managing natural resources and addressing climate change, disaster, and environmental management strengthened.

CPAP Output(s):

Output 6.1: Policies, legal and institutional framework for managing natural resources improved.

Output 6.2: Increased resilience and enhanced national and local capacities for disaster risk management, environmental governance, climate change adaptation and mitigation for effective early warning system.

Related CP Outcome:

Policy framework and institutional arrangements for managing natural resources and addressing climate change, disaster, and environmental management strengthened

Expected Outputs And baseline, associated indicators and annual targets	Planned Activities	Timeframe				Responsible Party	Funding Source	Planned Budget UNDP TRAC		Amount (USD)
		Q1	Q2	Q3	Q4			Budget Description		
Outcome 1: Strengthened institutional capacity on biomass resource utilization at the national, regional and community level. Operational effective policy, legal, and regulatory frameworks and review mechanisms on biomass energy technology applications Baseline - 0 Standards certification for more efficiently produced charcoal and improved cookstoves - 0 Policy and legal framework that is supportive of BET applications and biomass energy business development 0 Cookstove and Charcoal Development Center (CCDC) established	Activity Result 1.1: Adequately trained and capable decision-makers and relevant stakeholders (from EPA-SI, ministries, private sector, rural communities, etc.) leading efforts, communicating and managing more efficiently produced charcoal and improved cookstove utilization in an integrated manner.	Action 1.1.1: Creation, establishment and operation of Research, knowledge, Learning and Coordination	X	X	X		MOE	GEF	72100 - Serv Contract	20,000
		Action 1.1.3: Conduct training on efficient charcoal production and utilization.	X	X	X		MOE	GEF	75700 - Supplies	
	Action 1.1.4: Generating public sector buy-in through advocacy on co-benefits analysis and project impact	X	X	X	X	MOE	GEF			
	Activity Result 1.2: Formulated, approved and enforced policies, laws and regulations on more efficient charcoal and improved cookstoves production.									
	Action 1.2.3: Roll-out of the Cooking Energy Action Plan for implementation and promotion of sustainable charcoal and improved cookstoves businesses	X	X	X	X	MOE	GEF	75700 - supplies 71600 - Travel 72400 - Media	15,000	

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Activity Result 1.3: Developed standards and certification protocols for efficient charcoal and improved cookstove									
Indicator - No. of policies and legal frameworks that are supportive of BET applications and biomass energy business development approved and enforced by Year 3 - No. of standards and certification for more efficiently produced charcoal and improved cookstoves - No Cookstove and Charcoal Development Center (CCDC) established	Action 1.3.2: Organise 4 weeks training for staff from the CCDC		X						24,000
	Action 1.3.3: Set-up cookstove and charcoal testing laboratory in CCDC		X	X			MOE	GEF	71300 - Local consult
Outcome 2: Development of public-private initiatives for the improved and more efficient production of charcoal and the scaling up of improved cookstove production	Action 1.3.4: Facilitate iterative design improvements and strategic new stove designs by the CCDC			X	X	X			5,500
	Total of Outcome 1								64,500.0
Baseline - 0 private sector and/or local communities involved in biomass energy production - 0 grants given for the production of efficient charcoal cookstoves and kilns	Activity Result 2.1: Established partnerships between the public and private stakeholders involved in the value chain of charcoal production and utilization								
	Action 2.1.1: Create an inventory and assessment of relevant community-based organizations		X	X	X		MOE		71600 -Travel (Data collection) 71300 - Local consultancy
Indicator - No. of relevant private sector and/or local communities involved in biomass energy production and are linked with each other via a working mechanism for coordination by EOP - No. of grants given for the production of efficient charcoal cookstoves and kilns	Action 2.1.2: Identification of roles of community-based organizations and agreement on modalities and incentives for their participation								
	Activity Result 2.2 Developed incentives through carbon finance, microfinance, rebate and loan guarantee schemes to scale up sustainable charcoal and improved cookstove businesses								
Target - 2 private sector and/or 2 local communities involved in biomass energy production - 15 grants given for the production of efficient charcoal cookstoves and kilns	Action 2.2.2: Establishment of procedures, implementing arrangement, oversight and modalities for the implementation of start-up grant and end user rebate scheme								
	Action 2.2.3: Design and implementation of the loan risk guarantee funding scheme for entrepreneurs in the stoves/furnaces supply chain business			X	X		MOE	GEF	72100- Serv Contract 72600 -Grants
Action 2.2.4: Implementation of financing schemes and incentives for demonstrated kilns and cookstoves applications & services			X	X	X		MOE	GEF	71300 (local consultant)
20,000									

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<p>Activity Result 2.3: Implemented and operational 1) 300 locally produced industrial stoves for income generating local enterprises, such as fish smoking, bakery, palm oil processing and tobacco curing and ii) 700 institutional stoves for schools, prisons and hospitals.</p>					230,000
<p>Action 2.3.1: Identification of local fabricators, raw material suppliers and micro-entrepreneurs and their specific areas of involvement</p> <p>Action 2.3.2: Investigation and formulation of appropriate procurement procedures, cost sharing schemes and market delivery mechanisms</p> <p>Action 2.3.3: Implementation of public-private partnerships for the production & delivery of energy efficient stoves/hurnaces/kilns</p>		MoE	GEF	72100 -Serv Contract 72600 -Grant 71600 -Travel, vehicle hire & procurement of bikes for monitoring	
<p>Activity Result 2.4: Implemented and operational 1,000 locally produced efficient kilns for the sustainable production of charcoal.</p>					
<p>Action 2.4.3: Implementation of public-private partnerships for the installation of efficient kilns</p> <p>Action 2.4.4: Conduct of training and awareness campaign on the use, maintenance and benefits of energy-efficient kilns</p> <p>Action 2.4.5: Regular monitoring and evaluation of installed kilns</p> <p>Action 2.4.6: Improvement in the design based on results of the monitoring and evaluation activities</p> <p>Action 2.4.7: Promotion and replication of re-designed kilns to remaining producers</p>		MoE	GEF		12,000
<p>Activity Result 2.5: Locally produced 14,000 energy-efficient stoves in rural households for cooking needs implemented and promoted for replication.</p>					

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	<p>Action 2.5.2: Agreement with local fabricators on the production of the furnaces/ stoves and training on their design and operation features</p> <p>Action 2.5.3: Production, installation and dissemination of furnaces/stoves to end-users</p> <p>Action 2.5.4: Conduct of training and awareness campaign on the use, maintenance and benefits of energy-efficient furnaces/stoves.</p> <p>Action 2.5.7: Promotion and replication of re-designed furnaces/stoves to remaining households and community-based institutions</p>			MOE	GEF		20,000
	<p>Activity Result 2.6 Established and operational framework for the phase-out of traditional charcoal kilns and cook stoves</p> <p>Action 2.6.1: Develop a strong Monitoring, Verification and Enforcement (MVE) programmes i</p>	x	x	MOE	GEF	71300 (local consultant)	15000
	<p>Action 2.6.2: Support Designated National Authority (DNA) to develop and leverage carbon finance</p>	x	x	MOE	GEF	71300 (local consultant)	10,000
<p>Total of Outcome 2</p> <p>GEF Outcome 3: Improved, more efficient production and efficient utilization of certified charcoal and cookstove</p> <p>Baseline</p> <ul style="list-style-type: none"> - 0 developed gender sensitive capacity development and training modules for the production and utilization of certified charcoal and ICS - 0 sensitization campaigns for key value chain actors - 0 community-based woodlot established <p>Indicator</p> <ul style="list-style-type: none"> - No. of developed gender sensitive capacity development and training modules for the production and utilization of certified charcoal and ICS 	<p>Activity Result 3.1: Developed gender sensitive capacity development and modules for the production and utilization of certified charcoal and ICS</p> <p>Actions 3.1.2: Preparation of an integrated capacity building plan to include policy, institutions, kiln and cookstove technologies and applications, sustainable fuel wood plantation and utilization, and market provisions of energy services</p>	x	x	MOE	GEF	71300 (local consultant)	10,000
	<p>Activity Result 3.2: Developed and implemented promotional schemes on the social, economic and environmental co-benefits of improved charcoal and improved cook stoves to create demand, generate good buy-in and willingness to pay</p>						
							594,450.0

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100 - No. of sensitization campaigns for key value chain actors - Hectares of community-based woodlot established Target	Action 3.2.1: Documentation, regular production and dissemination of information related to biomass energy resources and kiln and cookstove application and utilization	x	x	x	x	MOE	GEF	71300 (local consultant)	6,000
- 1 Gender sensitive capacity development and training modules for the production and utilization of certified charcoal and LCS - 5 sensitization campaigns for key value chain actors - 60 hectares of community-based agroforestry establishment	Action 3.2.2: Promotion of community-based woodlot establishment and management Activity Result 3.3 Sensitized key value chain actors through public awareness campaign and capacity development	x	x	x	x	MOE	GEF	72300 (Materials & Goods) 71300 (Local Consultant) 75700 (Training)	10,000 5,000 6,000
Total of Outcome 3	Action 3.1.1: Organize workshop for communication and capacity building strategy and action planning and development of training modules Action 3.2.1: Documentation, regular production and dissemination of information related to biomass energy resources and successful efficient charcoal and improved cookstove business					MOE	GEF	75700 (Meetings, trainings & workshop)	8,000
Total of Outcome 3									45,000

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SUB TOTAL									
Outcome 4: Programme Management Costs									
National Project Manager	x	x	x	x	x	Moe/PIU	GEF	71400	17,200
Office Supplies (Communication, procurement of equipment & office Stationaries)	x	x	x	x	x	Moe/PIU	GEF	72500	11,200
Management Costs (fuel, vehicle maintenance, etc)	x	x	x	x	x	Moe/PIU	GEF	72300,	5,000
M&E (UNDP cost) 2%	x	x	x	x	x			74300	14,079
Travel (Field visits, Conferences)	x	x	x	x	x	Moe/PIU	GEF	71600	10,000
Steering Committee Meeting	x	x	x	x	x	Moe/PIU	GEF	75700	500
Mid Term Review					x	Moe/PIU	GEF	71200	
Communication - 1%	x	x	x	x	x	Moe/PIU	GEF	74300	7,040
Security	x	x	x	x	x	Moe/PIU	GEF	74300	520
Common service	x	x	x	x	x	Moe/PIU	GEF	73100	6,000
Total of Outcome 4									71,539
Total 2016 Project Budget									775,489

This Annual Work Plan (AWP) is based on Results Management Guidelines (RMG) of UNDP. Once signed by UNDP and the Implementing Partners, the plan authorizes the responsible parties and project management to manage available resources and achieve set results.

National Counterpart

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