

Annual Work Plan (AWP) for 2019

Atlas Award ID:	81156										
Atlas Project ID:	90575										
Project/Programme Title:	Energy Efficient Production and Utilization of Charcoal through Innovative Technologies and Private Sector Involvement in Sierra										
UNDAF Outcome:	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. • Sustainable productive capacity, renewable energy and climate change mitigation and adaptation (area of output 1) • Natural resources management (NRM) and extractive industries (area of output 2) • Disaster risk reduction, preparedness, response and recovery (area of output 3) Outcome 6: Policy and legal framework, and institutional arrangements for managing natural resources and addressing climate change, disaster, and environmental management strengthened. 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. Policy framework and institutional arrangements for managing natural resources and addressing climate change, disaster, and environmental management strengthened										
Applicable Key Result Area: (from 2014-17 Strategic Plan)											
CPAP Outcome:											
CPAP Output(s):											
Related CP Outcome:											
Expected Outputs	Planned Activities		Timeframe				Responsible Party	Planned Budget GEF/UNDP TRAC			
Baseline, associated indicators and annual targets	List activity results and associated actions		Q1	Q2	Q3	Q4			Funding Source	Budget Description	Amount (USD)
Outcome1: 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	Activity Result: 1.1 Adequately trained and capable decision-makers and relevant stakeholders (from EPA-SL, ministries, private sector, rural communities, etc.) leading efforts, communicating and managing more efficiently produced charcoal and improved cookstove utilization										
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 Indicator	Activity 1.1.3 Conduct training on efficient charcoal production and utilization.		x				MoE	GEF	72100 (Serv Contract) 75700 (Training),	5,000.00	
	Activity 1.1.4 Generating public sector buy-in through advocacy on co-benefits analysis and project impact			x		x	MoE	GEF		5,000.00	

- 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

Target

- 1 Policy this is supportive of BET applications

- 1 Standards and certification for more efficiently produced charcoal and improved cookstoves

- 1 Cookstove and Charcoal Development Center (CCDC) established and functional

Activity Result: 1.2. Formulated, approved and enforced policies, laws and regulations on more efficient charcoal and improved cookstoves production.									
Activity 1.2.1: Stakeholder consultations to define and formulate the Cooking Energy Action Plan	x	x						75700 (Advocacy meetings) 72400 (Media)	5,000.00
Activity 1.2.2: Support the Government approval process of Cooking Energy Action Plan for sustainable charcoal production and utilization and improved cookstoves	x	x							
Activity 1.2.3: Roll-out of the Cooking Energy Action Plan for implementation and promotion of sustainable charcoal and improved cookstoves businesses.		x	x			MoE	GEF		
Activity Result: 1.3 Developed standards and certification protocols for efficient charcoal and improved cookstove									
Activity 1.3.3 Set-up cookstove and charcoal testing laboratory in CCDC and train CCDC staff for 4 weeks	x	x	x				MoE	GEF	54,000.00
Activity 1.3.4. Facilitate iterative design improvements and strategic new stove designs by the CCDC		x	x					71300 (local consultant)	5,500.00
Total of Outcome 1									74,500.00

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	Activity 2.3.2. Investigation and formulation of appropriate procurement procedures, cost sharing schemes and market delivery mechanisms							71600(Travel, Vehicle hire Procurement of bikes for monitoring)	20,000.00
	Activity 2.3.3: Implementation of public-private partnerships for the production & delivery of energy efficient stoves/furnaces/kilns							72600 (Grant)	100,000.00
	ActivitybResult: 2.4: Implemented and operational 1,000 locally produced efficient kilns for the sustainable production of charcoal.								
	Activity 2.4.3: Implementation of public-private partnerships for the installation of efficient kilns Activity 2.4.4: Conduct of training and awareness campaign on the use, maintenance and benefits of energy-efficient kilns Activity 2.4.5: Regular monitoring and evaluation of installed kilns Activity 2.4.6: Improvement in the design based on results of the monitoring and evaluation activities						MoE GEF	consistency-71300	10,000.00
	Activity Result: 2.5: Locally produced 14,000 energy-efficient stoves in rural households for cooking needs implemented and promoted for replication								

<p>Indicator:</p> <p>No. of improved cook stoves produced (ICS) by Year No. of ICS bought and utilized by consumers annually starting Year 4 No. of installed efficient charcoal kilns that are operational by EOP.No. of institutional furnaces/stoves installed & being used on a daily basis by households in targeted areas by EOP No. of industrial stoves installed and are operational by EOP.</p> <p>0 300</p> <p>Surveys; EEPUC project activity and M&E reports</p> <p>Total volume of investments on biomass energy technology applications by EOP, US\$ million</p> <p>Target: 15,000 improved cook stoves produced, 15,000 ICS bought and utilized by consumers annually starting Year 4 ,1,000 installed efficient charcoal kilns that are operational by EOP., 700 institutional furnaces/stoves installed & being used on a daily basis by households in targeted areas by EOP</p> <p>, 300 industrial stoves installed and are operational by EOP.</p> <p>,USD 500,000 investments on biomass energy technology applications by EOP, US\$ million</p>	<p>Activity 2.5.2. Agreement with local fabricators on the production of the furnaces/ stoves and training on their design and operation features</p> <p>Activity 2.5.3. Production, installation and dissemination of furnaces/stoves to end-users</p> <p>Activity 2.5.4. Conduct of training and awareness campaign on the use, maintenance and benefits of energy-efficient furnaces/stoves.</p> <p>Activity 2.5.7: Promotion and replication of re-designed furnaces/stoves to remaining households and community-based institutions</p>							consultancy-71300	10,000.00
	<p>Oactivity Result: 2.6 Established and operational framework for the phase-out of traditional charcoal kilns and cook stoves</p>								
	<p>Activity 2.6.1: Develop a strong Monitoring, Verification and Enforcement (MVE) programmes for the use of energy efficient cookstoves.</p>	x	x					71300 (local consultant)	5,000.00
	<p>Activity 2.6.2: Support Designated National Authority (DNA) to develop and leverage carbon finance</p>	x	x					71300 (local consultant)	5,000.00
<p>Total of Outcome 2</p>									595,938.73

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