

Atlas Award ID: 74072
Atlas Project ID: 86632

Project/Programme Title: **Water and Climate Change**

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.**

Applicable Signature Solution 4: (From 2018 -21 Strategic Plan): **Promote nature based solutions for a sustainable planet**

Signature Solution 3: **Enhance national prevention and recovery capacities for resilient societies**

Signature Solution 6: **Strengthen gender equality and the empowerment of women and girls**

Expected Outputs And baseline, associated indicators and annual targets	Planned Activities	Timeframe				Responsible Party	Funding Source	Planned Budget GEF LDCF		
		Q1	Q2	Q3	Q4			Budget Description	Amount (USD)	
<p>Outcome 1.: <i>Critical public policies governing the management of water resources revised to incentivize climate smart investment by the private sector</i></p> <p>Output 1.a: <i>More than 50 officers from the Ministry of Water Resources, esp: the Water Policy Planning Coordinating Unit (WPPCU), the Sierra Leone Environmental Protection Agency (EPA) and Districts leaders provided with relevant climate risks management guidelines/tools and trained on how the results of the climate risk/vulnerability assessments should be used to adjust regulations and policies governing the water sector at national (MWSR, RWSS) and local level (Districts development plans)</i></p> <p>Baseline</p> <ul style="list-style-type: none"> • Technocrats from MWR and EPA have limited capacity to address emerging technical issues related to climate risks in the water sector. <p>Indicator:</p> <ul style="list-style-type: none"> • No. and type of targeted institutions with increased adaptive capacity to reduce risks of and responses to climate variability <p>Target:</p> <ul style="list-style-type: none"> • At least capacities of 2 line ministries and 2 Districts Council to mainstream adaptation concerns within water policies and local development plans are strengthened 	<p>Activity Result: <i>Climate adaptation developed in line minutes and at district level for mainstreaming into policies and development plans and training institutions</i></p>									
	<p>Undertake a Climate Change Risk Management (CCRM) capacity assessment of MWR, EPA and District staffs and profile their professional updating needs.</p>					MWR	GEF	71300	55,824	<p>* Amount committed in 2017 but expected to be disbursed in 2018</p>
	<p>Develop climate risks tools and learning programme (i.e. including modules on generating, analysing, and integrating climate risk information)</p>					MWR	GEF			
	<p>Conduct at least four trainings at the Lakka Centre or other relevant learning centres</p>					MWR	GEF			
	<p>Set up and test an on-the-job learning approach to ensure that learning objectives are directly applied to daily responsibilities</p>					MWR	GEF			
<p>Establish participatory roadmap to guide the adjustment of regulations and policies governing the water sector</p>					MWR	GEF				
<p>Monitor learning impacts and applications with the use of Gender-disaggregated monitoring and evaluation system to measure how trainings affected both women and men</p>					MWR	GEF				
<p>Output 1.b: <i>Climate change resilience plan and emergency contingency plan for the Gunia Reservoir</i></p>	<p>Activity Result Completed: <i>Climate Change resilience plans developed and integrated for GUNIA reservoir management</i></p>									
<p>Output 1.c: <i>Regular dialogues established between parliamentarians, local council members, traditional authorities, NGOs/CBOs, and private sector (WASH committees) on the impacts of climate change on water supply in Pujehun, Kambia and Kono districts</i></p> <p>Baseline:</p>	<p>Activity Result: <i>Awareness created and increased participation of key stakeholders on addressing the impacts of climate change on water supply at a decentralised level in Pujehun, Kambia and Kono districts</i></p>									
					MWR	GEF				
					MWR/GUNIA	GEF				
					MWR	GEF				

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Expected Outputs	Planned Activities	Timeframe				Responsible Party	Funding Source	Planned Budget GEF LDCF	
		Q 1	Q 2	Q 3	Q 4			Budget Description	Amount (USD)
And baseline, associated indicators and annual targets • Key decision-makers in the water sector have improved knowledge of climate change impacts or adaptation responses Indicator: • No. and type of targeted institutions with increased adaptive capacity to reduce risks of and responses to climate variability Target: • 15% of staff from targeted institutions aware of predicted impacts of climate change and appropriate responses	Use activity results and associated actions Train 10 WASH committee representatives to assess climate change issues, community-based adaptation planning, and household-level risk reduction interventions in new operational areas. Create a sustainable communications platform in which a dialogue can ensure bottom-up decision-making process.					MMWR	GEF	71300 (Local Consultant)	60,000.00
	Design and conduct a community awareness campaign on climate change risks using culturally appropriate tools and aimed at all genders, including information packs that comprise examples of community-based adaptation measures in the water sector Practical training for 6 staff on climate smart groundwater investigation and assessment application for water resources and 1 staff on integrated water resources management.					MMWR	GEF	75700 (Training)	91,000.00
Output 1.d: At least two dialogues under the Sierra Leone Business Forum and WASH Donors Investment Platform initiated on managing climate change risks on water provision and usage Baseline: • Low interplay between public and private sector on adaptation strategies investment Indicator: • No. and type of targeted institutions with increased adaptive capacity to reduce risks of and responses to climate variability • Number of collaborations between the public and private sector Target: • Stakeholder analysis and targeting undertaken; and themes for dialogues identified • Information sharing platform and forum designed and operational	Activity Result: Private sector roles and opportunities outlined for effective partnerships and participation in climate smart water infrastructure investment Undertake strategic stakeholder analysis and target group specific information and communication needs and strategic responses					MMWR	GEF	71300 (Local Consultant)	50,000.00
	Activity Result: Lessons learnt and best practices collected and disseminated Develop a functional knowledge management system that documents such policy level dialogues					MMWR	GEF	75700 (Workshops)	30,000.00
Output 1.e: Relevant experiences/lessons from community oriented climate resilient water infrastructure and management practices (including gender differentiated issues) identified, and widely shared/disseminated to facilitate replication in other vulnerable areas Baseline: • Existing coping strategies and adaptation action not documented at all, including for the water sector Indicator: • No. and type of documented practices and case studies published via different media - newsletters, websites, posters, videos, leaflets, news items etc Target: • 60% of targeted stakeholders have access to relevant disseminated adaptation experiences from the project	Activity Result: Lessons learnt and best practices collected and disseminated Undertake impact assessment in all project operation areas					MMWR	GEF	71300 (Local Consultant)	30,000.00
	Activity Result: Lessons learnt and best practices collected and disseminated Collect and package information and experiences on climate resilient water infrastructure and management practices for sharing with other sectors and communities Develop and implement a communication strategy					MMWR	GEF	71300 (Local Consultant)	15,000.00

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Expected Outputs	Planned Activities	Timeframe				Responsible Party	Funding Source	Planned Budget GF- LDCF	
		Q1	Q2	Q3	Q4			Budget Description	Amount (USD)
And baseline, associated indicators and annual targets	List activity results and associated actions	Q1	Q2	Q3	Q4				
Total of Output 1									291,000
Output 2.a: Pilot demonstrations of innovative climate resilient rainwater collection in at least 1 public building with reservoirs established to support the bottleneck of drink water supply in the dry season Baseline: • Limited (12) water facilities resilient against climate change induced risks Indicator: • Number of additional people provided with access to safe water supply and basic sanitation services given existing and projected climate change Target: • Two rooftop rainwater collection and reservoirs facilities constructed in Freetown • Water Quality Training Chemicals provided for treatment facilities in Freetown, Kono, Pujehun and Kambia	Activity Result: Climate innovation pilots for rain water harvesting in public buildings developed for learning and upscaling Construct the rooftop rainwater collection with reservoirs at Parliament Building and F/Town Teachers Training College Procurement of Water Quality Training Chemicals and reagents Rollover Construction of 3 Spring boxes, 5 roof rainwater harvesting in 3 schools and 1 health center and communities, and 12 boreholes in Kambia, Kono and Pujehun districts					MWR			100,000.00
Output 2.b: Spring water improvement designed, tested and demonstrated in high density area in Freetown (benefiting at least 200 households) Baseline: • Limited (12) water facilities resilient against climate change induced risks Indicator: • Number of additional people provided with access to safe water supply and basic sanitation services given existing and projected climate change • Number of staff gauges installed at 13 monitoring stations Target: • Innovated demonstrations on two spring boxes improvement	Activity Result: Spring water sources designs improved and included to be part of the Freetown water systems for communities Build and implement innovation demonstrations on 2 spring boxes improvement and community training in Freetown and other district Installation of staff gauges at 13 monitoring stations					MWR			48,000.00
						MWR			750,000.00
						MWR			100,000.00
						MWR			50,000.00
Output 2.c: Sustainable community reservoirs with 9 stand alone roof-top rainwater harvesting systems (in 3 hospitals and 6 schools), as well as 5 resilient gravity fed water distribution systems designed and pioneered in Kono, Kambia and Pujehun Baseline: • Limited (12) water facilities resilient against climate change induced risks	Activity Result: Sustainable community reservoirs, rooftop rainwater harvesting and gravity fed water distribution mechanisms designed and piloted for dry season use Provision of additional work of the 2016 borehole construction in Freetown and the three districts Construct 8 new boreholes in public facilities in Freetown (2), Kono (2), Pujehun(2) and Kambia(2)					MWR			71300 (Local Consultant)
						MWR			767,000.00

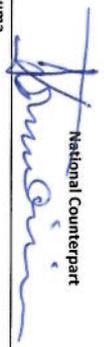
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And baseline, associated indicators and annual targets	Expected Outputs	Planned Activities	List activity results and associated actions	Timeframe				Responsible Party	Funding Source	Planned Budget GEF-IDCF			
				Q1	Q2	Q3	Q4			Budget Description	Amount (USD)		
<ul style="list-style-type: none"> Number of additional people provided with access to safe water supply and basic sanitation services given existing and projected climate change Number of rooftop reservoirs and gravity fed water distribution points constructed 	<ul style="list-style-type: none"> 1 gravity fed water distribution mechanisms constructed in Kono Three rooftop rainwater collection and reservoirs facilities constructed in Freetown 	Construct Sustainable Community Reservoir with stand alone roof top Rain Water Harvesting facilities in 2no. Pujehun and and 1 no. in Kambia districts	x					MWR					
<ul style="list-style-type: none"> 1 gravity fed water distribution mechanisms constructed in Kono Three rooftop rainwater collection and reservoirs facilities constructed in Freetown 	<ul style="list-style-type: none"> Limited (12) water facilities resilient against climate change induced risks Number of additional people provided with access to safe water supply and basic sanitation services, especially for women, given existing and projected climate change Number of boreholes and gravity fed mechanisms constructed 	Construction of fences for 13 surface water stations and 15 ground water monitoring network stations	x					MWR					
<ul style="list-style-type: none"> 1 gravity fed water distribution mechanisms constructed in Kono 10 new boreholes constructed in public facilities in Freetown, Kono, Pujehun and Kambia 	<ul style="list-style-type: none"> Limited (12) water facilities resilient against climate change induced risks Number of additional people provided with access to safe water supply and basic sanitation services, especially for women, given existing and projected climate change Number of boreholes and gravity fed mechanisms constructed 	Field monitoring, training, maintenance of equipment and web/server hosting	x					MWR					
<ul style="list-style-type: none"> 1 gravity fed water distribution mechanisms constructed in Kono 10 new boreholes constructed in public facilities in Freetown, Kono, Pujehun and Kambia 	<ul style="list-style-type: none"> Limited (12) water facilities resilient against climate change induced risks Number of additional people provided with access to safe water supply and basic sanitation services, especially for women, given existing and projected climate change Number of boreholes and gravity fed mechanisms constructed 	Establish and train WASH management committees to provide sustainability of maintain community reservoirs and other facilities using the preventive maintenance scheme (Saving and Loan Scheme).	x					MWR					
<ul style="list-style-type: none"> 1 gravity fed water distribution mechanisms constructed in Kono 10 new boreholes constructed in public facilities in Freetown, Kono, Pujehun and Kambia 	<ul style="list-style-type: none"> Limited (12) water facilities resilient against climate change induced risks Number of additional people provided with access to safe water supply and basic sanitation services, especially for women, given existing and projected climate change Number of boreholes and gravity fed mechanisms constructed 	Activity Result: Appropriate climate resilient adaptation techniques for water sector replicated in households using the innovative infrastructural techniques of water collection	Provide treatment systems for rainwater storage facilities in two communities to serve 80 households (replication of WtH activity);					MWR					
<ul style="list-style-type: none"> 1 gravity fed water distribution mechanisms constructed in Kono 10 new boreholes constructed in public facilities in Freetown, Kono, Pujehun and Kambia 	<ul style="list-style-type: none"> Limited (12) water facilities resilient against climate change induced risks Number of additional people provided with access to safe water supply and basic sanitation services, especially for women, given existing and projected climate change Number of boreholes and gravity fed mechanisms constructed 	Provide and supply Lifestraw to 80 Households	x					MWR					
Total of Output 2												1,990,000.00	
OPC												2,281,000.00	
Output 3: Programme Management Costs													
		National Project Coordinator		x	x	x	x	MWR, PIU	GEF		71400		24,000
		Driver		x	x	x	x	MWR, PIU	GEF		71400		9,000
		Office Supplies (communication, Procurement of equipment & office Stationaries)		x	x	x	x	MWR, PIU	GEF		72500		9,200
		Management Costs (fuel, vehicle maintenance, etc)		x	x	x	x	MWR, PIU	GEF		72300		6,000
		Travel (field visits, conferences)		x	x	x	x	MWR, PIU	GEF		71620		36,000
		Steering Committee Meeting		x	x	x	x	MWR, PIU	GEF		75700		500
		Communication - 1%		x	x	x	x	UNDP	GEF		74300		22,810
		UNDP M&E - 2%		x	x	x	x	UNDP	GEF		74300		45,620

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Expected Outputs And baseline, associated indicators and annual targets	Planned Activities List activity results and associated actions	Timeframe				Responsible Party	Funding Source	Planned Budget GEF LDCF		
		Q 1	Q 2	Q 3	Q 4			Budget Description	Amount (USD)	
	Common service	X	X	X	X	UNDP	GEF	73100	12,100	
	Security	X	X	X	X	UNDP	GEF	74300	520	
Total of output 3									165,750	
Total 2018 Project Budget									2,446,750	

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.


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