

# UNDP Sierra Leone AWP Clearance Checklist



Empowered Lives  
Resilient Nations

Cluster Name : Inclusive Growth and Sustainable Environment

Project ID : 104509 Title: Adapting to climate change induced coastal risks in Sierra Leone

**A. Format and General Issues:**

01	Submitted AWP has been prepared in Standard Prescribed Format	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
02	Project Title, Atlas Award & Project IDs are correctly mentioned/quoted	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
03	AWP Planning Workshop/consultation conducted	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
04	Annual/quarterly Project Board Meeting conducted	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
05	Minutes of the Project Board meeting attached	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
06	AWP discussed and agreed with the Implementing Partner	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
07	AWP endorsed/agreed by the Project Board/Steering Committee, if applicable	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
08	Annual HR and Procurement Plans developed and attached with the AWP	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
09	Multiyear Resource/Budget Matrix attached with the AWP	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
10	Designation of signatory for FACE form has been made - if a NIM project	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>

**B. Results Related Issues:**

01	The AWP reflects overall priorities (National, UN and UNDP)	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
02	Outputs and activities are aligned to the UNDAF, CPD and project document	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
03	A one page summary of intended/achievable results is attached	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
04	M&E plan attached and adequately budgeted in the AWP	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
05	Lessons learned have been incorporated in the AWP, as per the last APR minutes	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
06	Baseline, Target and Deliverables have been mentioned properly	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
07	Articulation of results of the AWP has followed the SMART and RBM guidelines	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

**C. Resources Related Issues:**

01	Total proposed budget for the AWP does not exceed approved total project budget.	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
02	The AWP budget is within the scope of the funds availability/commitment.	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
03	CS Agreement available for the Proposed Non-Core Resources.	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
04	Appropriate provisions for GMS have been made at the Atlas Activity level.	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
05	Atlas Codes (Donor, Account, Fund etc.) are consistently/properly used	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
06	The summary page reflects the resources	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
07	Provision of resources has been made for each of the planned activities/actions	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
08	The Budget comply with the spirit of Results Based Budgeting (RBB)	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

**D. Remarks/Comments/Justification for Returning to Cluster:**

AWP Clearance Checklist prepared by

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Programme Manager/CTA/Project Office

Date: 21/02/2019

AWP and Checklist Reviewed and Cleared by

Tanzila Sankoh

Team Leader/Deputy Team Leader

Date: 21/2/19

Recommended for Approval by:

Daisy Foday

PMSU

Date: 22/2/19

## Annual Work Plan -2019

<b>Atlas Award ID: 102451</b>											
<b>Atlas Project ID: 104509</b>											
<b>Project/Programme Title: UNDAF Outcome: Adapting to climate change induced coastal risks management in Sierra Leone</b>											
<b>Outcome 1: By 2018, targeted Government institutions, the private sector, and local communities manage natural resources in a more equitable and sustainable way</b>											
<b>Outcome 2: By 2018, targeted communities demonstrate decreased vulnerability and increased resilience to natural and man-made disaster.</b>											
<b>Applicable Signature Solution 4: (From 2018 -21 Strategic Plan): Promote nature based solutions for a sustainable planet</b>											
<b>Enhance national prevention and recovery capacities for resilient societies</b>											
Expected Outputs	Planned Activities	2019				Responsible Party	Funding Source	Budget Description	Planned Budget		
		Q1	Q2	Q3	Q4				2018 Amount (USD)	Total Amount (USD)	
<b>And baseline, associated indicators and annual targets</b>  <b>Output 1.1:</b> Climate and oceanographic monitoring network (with 6 automated oceanographic monitoring systems) and related data processing systems installed along the coastal zone to improve the knowledge base for measuring future climate induced risks <b>Indicator:</b> Number of oceanographic monitoring & related data processing systems installed by 2019 <b>Baseline:</b> Currently the 6 (Six) pilot sites lack Climate & Oceanographic monitoring data <b>Target:</b> Six (6) oceanographic monitoring systems procured and installed	<b>List activity results and associated actions</b>  <b>Results 1.1. Institutional knowledge based on climate and oceanographic improved for measuring future climate induced risks</b>										
	<b>1.1.1 Assess site conditions for OMS installation (equipment housing, security, personnel) and test remote transmission system to EPA-SL &amp; SLMD/A-Lungi Airport in partnership with USL-IMBO;</b>			X	X	UNDP	GEF/LDCF	Travel	5,000	5,	
	<b>1.1.2 Procure and install six OMS equipment and establish EPA-SL/MFMR/MWR/USL-IMBO-USL/SLMD/A/SLMA partnerships for future coastal monitoring network;</b>	X	X	X	X	UNDP	GEF/LDCF	Int. contractual service	300,000	300,	
	<b>1.1.3 Procure, install (at the EPA-SL GIS unit) and operationalize four remote sensing image processing software packages and equipment to assist climate and oceanographic monitoring</b>	X	X	X	X	UNDP	GEF/LDCF	Int. contractual service	250,000	250,	
<b>1.1.4 Training of four technical staff (locally and internationally) of EPA-SL, MFMR, SLMD/A, SLMA on remote sensing techniques, operationalization of the equipment and processing data.</b>		X	X		UNDP	GEF/LDCF	Training	60,000	60,		

<p><b>Output 1.2:</b> Institutional capacity of MFMR, EPA-SL, SLMD, ONS, SLMQ and IMBO for assessing coastal hazard risk and vulnerability to climate change through probabilistic modelling is strengthened</p> <p><b>Indicator:</b> No. of staff from targeted institutions capacitated in coastal hazard risks &amp; vulnerability assessment (disaggregated by gender).</p> <p><b>Baseline:</b> 0</p> <p><b>Target:</b> By Dec 2019, at least 12 Technical staff trained</p>	<p>1.1.5 Strengthen human capacity for six technical staff of MFMR, EPA-SL, ONS, SLMA, SLMD/A and USL-IMBO on baseline studies, nearshore wave modelling studies, shoreline change studies and sediment transport studies etc.; including equipment</p> <p>1.1.6 Detailed topographic and bathymetry analysis of the coastal zone (DEM)</p> <p>1.1.7. Procure one mobile AWS for IMBO for field calibrations</p>	<p>X</p> <p>X</p> <p>X</p>	<p>X</p> <p>X</p> <p>X</p>	<p>UNDP</p> <p>UNDP</p> <p>UNDP</p>	<p>GEF/LDCF</p> <p>GEF/LDCF</p> <p>GEF/LDCF</p>	<p>Training</p> <p>Contractual service</p> <p>Int. contractual service</p>	<p>40,000</p> <p>50,000</p> <p>50,000</p>	<p>40</p> <p>50</p> <p>50</p>
<p><b>Output 1.2:</b> Institutional capacity of MFMR, EPA-SL, SLMD, ONS, SLMQ and IMBO for assessing coastal hazard risk and vulnerability to climate change through probabilistic modelling is strengthened</p> <p><b>Indicator:</b> No. of staff from targeted institutions capacitated in coastal hazard risks &amp; vulnerability assessment (disaggregated by gender).</p> <p><b>Baseline:</b> 0</p> <p><b>Target:</b> By Dec 2019, at least 12 Technical staff trained</p>	<p>1.2.1 Setup/strengthen twelve technical staff from the MFMR, EPA-SL, SLMD/A, ONS, SLMA and USL-IMBO Climate &amp; Oceanographic/Marine Forecasting Capacity (Refresher training)</p> <p>1.2.2 Acquire, install and run six hydrodynamic models (e.g. MIKE11 flood, Nearshore Wave Prediction System (NWPS)), plus enhance human capacity on coastal modelling approaches to better understand and interpret/research the seasonal dynamics of seaweed/sargassum \$5,000</p> <p>1.2.4 Establish partnerships between SLMD/A, Regional and International Oceanographic Centres to help develop, install and operationalize a Coastal Nowcast, and medium and short term marine forecasting products.</p> <p>1.2.5. Baseline study to update RF indicators</p>	<p>X</p> <p>X</p> <p>X</p> <p>X</p>	<p>X</p> <p>X</p> <p>X</p> <p>X</p>	<p>UNDP</p> <p>UNDP</p> <p>UNDP</p> <p>UNDP</p>	<p>GEF/LDCF</p> <p>GEF/LDCF</p> <p>GEF/LDCF</p> <p>GEF/LDCF</p>	<p>Training</p> <p>Int. contractual service</p> <p>Contractual service</p> <p>Contractual service</p>	<p>27,500</p> <p>101,000</p> <p>20,000</p> <p>20,000</p>	<p>27</p> <p>101</p> <p>20</p> <p>20</p>
<p><b>Output 1.3:</b> A systematic link between the collected data and the existing CIDMEWS is established</p> <p><b>Indicator:</b> The percentage of climate risks data collected in targeted coastal zones that can be linked to the CIDMEWS by 2019</p> <p><b>Baseline:</b> Currently, no existing system to facilitates climate data collection in coastal zones</p> <p><b>Target:</b> 50% of data collected linked to existing</p>	<p>1.3.3 With cooperation from USL-IMBO, SLMD/A and ONS-Disaster Management Department, design and implement an early warning mechanism focusing on sea water quality, SLR-induced erosion, urban flooding and seaweed/sargassum dynamics</p> <p>1.3.5. Hire National adaptation, Early Warning system and disaster Management Consultant</p>	<p>X</p> <p>X</p>	<p>X</p> <p>X</p>	<p>UNDP</p> <p>UNDP</p>	<p>GEF/LDCF</p> <p>GEF/LDCF</p>	<p>Contractual service</p> <p>Contractual service</p>	<p>15,000</p> <p>10,000</p>	<p>15</p> <p>10</p>
<p><b>Output Total</b></p>	<p><b>Output Total</b></p>	<p>X</p>	<p>X</p>	<p>UNDP</p>	<p>GEF/LDCF</p>	<p>Contractual service</p>	<p>168,500</p>	<p>168</p>
<p><b>Output Total</b></p> <p><b>Result 1.2. Enhanced institutional capacity for climate and marine forecasting</b></p>	<p><b>Output Total</b></p> <p><b>Result 1.2. Enhanced institutional capacity for climate and marine forecasting</b></p>	<p>X</p>	<p>X</p>	<p>UNDP</p>	<p>GEF/LDCF</p>	<p>Contractual service</p>	<p>755,000</p>	<p>755</p>

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<p>1.3.6. Hire Int. Coastal Early Warning development Specialist</p>	<p>X</p>	<p>X</p>	<p></p>	<p>UNDP</p>	<p>GEF/LDCF</p>	<p>Contractual service</p>	<p>30,000</p>	<p>30,</p>
<p>1.3.7. Hire national expert to design and implement Early Warning mechanism</p>	<p>X</p>	<p>X</p>	<p></p>	<p>UNDP</p>	<p>GEF/LDCF</p>	<p>Contractual service</p>	<p>15,000</p>	<p>15,</p>
<p><b>Output Total</b></p>	<p></p>	<p></p>	<p></p>	<p></p>	<p></p>	<p></p>	<p>75,000</p>	<p>75,</p>
<p><b>Results 1.4. Institutional capacity strengthen for coastal vulnerability assessment</b></p>	<p></p>	<p></p>	<p></p>	<p></p>	<p></p>	<p></p>	<p></p>	<p></p>
<p>1.4.1. Procure/setup/strengthen USL-IMBO and EPA-SL by providing to each of these two institutions: i) Four (4) advanced workshops (including high performance computer) to exchange and archive the data from multiple</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>UNDP</p>	<p>GEF/LDCF</p>	<p>Int. contractu</p>	<p>60,000</p>	<p>60,</p>
<p>1.4.2. Renewal/purchase of Oceanographic/Marine modelling licenses and carry out the following staff training: at least (i) Two (2) EPA, one (1) MFMR and one (1) USL-IMBO technicians with hydrodynamic/probabilistic modeling skills for development of flood risk and storm surge planning; (ii) Four (4) Geographic Information Systems Specialists with raster modeling capabilities.</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>UNDP</p>	<p>GEF/LDCF</p>	<p>Int. contractu</p>	<p>25,000</p>	<p>25</p>
<p>1.4.3. Develop training programme for at least 10 MFMR, USL-IMBO and EPA staff to carry out Participatory Community CVA (including participatory mapping, vulnerability and risk assessment and climate models, GPS mapping techniques, CVA map interpretation)</p>	<p>X</p>	<p>X</p>	<p></p>	<p>UNDP</p>	<p>GEF/LDCF</p>	<p>Contractual service</p>	<p>25,000</p>	<p>25,</p>
<p>1.4.5. Identify 10 relevant candidates from MFMR, IMBO &amp; EPA-SL to undertake a post graduate degree that includes sea level rise and coastal impact assessment, climate change vulnerability and risk assessment and modeling skills</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>UNDP</p>	<p>GEF/LDCF</p>	<p>Contractual service</p>	<p>50,000</p>	<p>50,</p>
<p>1.4.6. Develop contractual service for six Project Focal Points at the six project sites (to include fuel, licensing</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>UNDP</p>	<p>GEF/LDCF</p>	<p>Contractual service (MFMR)</p>	<p>22,500</p>	<p>22,</p>



<p><b>Output 2.1:</b> Sea Level Rise and coastal erosion profiles developed for the six target pilot sites to support the strengthening of Coastal Zone Management Plans at both urban and An district levels</p> <p><b>Indicator:</b> Number of SLR and Coastal Erosion profile developed</p> <p><b>Baseline:</b> 0</p> <p><b>Target:</b> By Dec. 2019, at least 1 SRI profile is developed</p>	1.4.8. Travel cost associated with activity implementation of output 1	X	X	X	X	UNDP	GEF/LDCF	Travel	15,000	15	
	1.4.9. Acquisition of equipment (Office tables, chairs, mobile phone, etc)	X	X	X	X	UNDP	GEF/LDCF	Supply	20,000	20	
	1.4.10. Printing material for 10 trainings	X	X	X	X	UNDP	GEF/LDCF	Supply	20,000	20	
	<b>Output Total</b>								<b>299,500</b>	<b>299</b>	
	<b>Result 2.1. SLR assessment conducted to inform coastal zone management plan</b>										
	2.1.1 Undertake field surveys (profiles) to determine current erosion rates along the coastline and from this, define new setback values										
	2.1.2. Develop SLR climate change scenarios (e.g. map the inundation of the land based on ents of SLR of 50 cm, also considering) and gather historical shoreline data to:										
	(i) Assist determination of future shoreline positions for coastal planning purposes										
	(ii) Accurately determine the locations/extent of coastal hinterland that could be affected by known hazards (sea level rise, coastal erosion, shoreline recession and sea water flooding) as well as its probabilities to affected communities	X	X	X		UNDP	GEF/LDCF	Contractual service	30,000	30,0	
	2.1.3. Carry out community participatory CVA on selected coastal areas at Municipal and Chieftom level										
2.1.4. Carry out baseline mapping of natural hazards and risks to critical coastal infrastructure, natural resources, and populations (based on the outputs of vulnerability and risk assessments											
2.1.5. Based on the results from Activities 2.1.1-2.1.4 develop CVA Reports for each of the six Districts	X	X	X		UNDP	GEF/LDCF	Contractual service	50,000	50,0		
2.1.6. Hire National GIS climate change modeller/risk and Vulnerability assessment & mapping expert	X	X	X		UNDP	GEF/LDCF	Contractual service	15,000	15,0		
2.1.7. Hire Int. coastal zone mdc consultant with GIS climate change modeller/Vulnerability assessment and mapping capacity for SLR climate change scenarios	X	X	X		UNDP	GEF/LDCF	Contractual service	30,000	30,0		
2.1.8. Int. Oceanography/marine drone based coastal zone erosion mapping expert	X	X	X		UNDP	GEF/LDCF	Contractual service	30,000	30,0		
2.1.9. Int. Coastal Zone management consultant for mainstreaming coastal vulnerability report into long-term zoning and land use planning	X	X	X		UNDP	GEF/LDCF	Individual contractual service	50,000	50,0		

<p>Output 2.3: Marine spatial plan framework to compliment with ICZM is developed</p> <p><b>Indicator:</b> Number of Marine Spatial plan framework developed</p> <p><b>Baseline:</b> 0</p> <p><b>Target:</b> 1 Marine spatial plan framework developed until Dec. 2019</p>	<p>2.1.10. Int. Coastal Zone management consultant expert in training &amp; developing field, vulnerability Capacity Assessment &amp; vulnerability/reduction assessment</p> <p>2.1.11. Procure a low cost amphibious drone based application for identifying and mapping of coastal erosion &amp; support study of ocean dynamics</p>	<p>X</p> <p>X</p> <p>X</p> <p>X</p>	<p>UNDP</p> <p>UNDP</p>	<p>GEF/LDCF</p> <p>GEF/LDCF</p>	<p>Contratual service</p> <p>Individual contratual service</p>	<p>30,000</p> <p>75,000</p> <p>310,000</p>	<p>30,000</p> <p>75,000</p> <p>310,000</p>
<p>Output 2.4: Sierra Leone ICZM is strengthened with the establishment of SL-ICZM-WG and sustainability mechanism</p> <p><b>Indicator:</b> No. of SL-ICZM-WG &amp; Sustainability mechanisms established</p> <p><b>Baseline:</b> 0</p> <p><b>Target:</b> 6 ICZM WG establish (1 each per project site)</p>	<p>2.3.1 Review current marine use planning policies and guidelines</p> <p>2.3.2 Undertake a gap analysis of national development plans and policies (including the EIA procedures) to determine existing institutional frameworks for protected areas and fisheries management (portfolios, responsibilities and linkages)</p> <p>2.3.3 A desktop review of international best practices for implementing marine spatial planning that encompasses protected areas in other countries, and their application to the national context</p> <p>2.3.4 Development of options for MSP governance arrangements (including cost effectiveness, investment and budget requirements, human and technological capacity, institutional integration, and legislative and policy coherence etc)</p> <p>2.3.5 Presentation of the governance options to Ministers for a decision on the governance arrangements</p> <p>2.3.6 Preparation of a draft implementation plan based on the selected governance structure with stakeholder input</p>	<p>X</p> <p>X</p> <p>X</p> <p>X</p>	<p>UNDP</p>	<p>GEF/LDCF</p>	<p>Contratual service</p>	<p>60,000</p> <p>60,000</p>	<p>60</p> <p>60</p>
<p><b>Result 2.4. One coastal adaptation policy developed</b></p> <p>2.4.1. Develop and deliver training sessions to Local Government technical staff and SL-ICZM-WG/ Board officers/decision makers on 1) Integration of climate change adaptation into district plans and budgets, and ; 2) skills to assist coastal districts to review their plans and budgets to integrate climate change adaptation issues</p>	<p><b>Sub Total</b></p>	<p>X</p> <p>X</p>	<p>UNDP</p>	<p>GEF/LDCF</p>	<p>Contratual service</p>	<p>10,000</p>	<p>10</p>

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**Output 3.1.** An outreach communication, information and awareness strategy designed and implemented to enhance decision-making and foster public awareness and safety about the potential impacts of climate change

**Indicator:** Number of outreach communication, information & awareness strategy formulated & implemented.

**Baseline:** 2

**Target:** By Dec. 2019, at least 2 additional outreach communication strategy for ICZM is designed, one each by MFMR & NTB

capacity building sessions on ICZM, Climate Change Vulnerability Assessment, and Sectoral and Livelihood Adaptation Planning for at least 50 Government technical officers and policy makers per main coastal districts (Conakry Dee, Lakka & Hamilton, Tombo, Shenge and Turtle Island)		X	X	UNDP	GEF/LDCF	Training	25,000	25
3.1.2 Undertake public awareness campaign with training for trainers at least 25 community leaders (which 50% are women) of each of the six target sites on climate change risks and costs and benefits of different adaptation options	X	X		UNDP	GEF/LDCF	Training	40,000	40

**Output 3.2.** Adaptation strategies for alternative livelihoods are designed to strengthen women and sand miner youth association's resilience to CC impact on the coastal zone so as to reduce pressure on natural resources.

**Indicator:** Number of Adaptation strategies for alternative livelihoods designed by Dec. 2019

**Baseline:** 1-WA BICC has develop one alternative livelihood mechanism

**Target:** At least 3 strategies developed by end of Nov. 2019

3.1.6 Sub-Contract services to carry out: (i) audio-visual production (booklets and videos) for community awareness raising consultations and events (e.g. for Community members, schools and TV) for different age groups (Women & Youth); (ii) at least 3 documentary short film (Participatory Video of about 10 minutes including YouTube publication) to be produced to document climate risks in the coastal zone and adaptation benefits generated by the project in the demonstration sites/communities, which can be used for further communication and advocacy work	X	X	X	UNDP	GEF/LDCF	Contractual service	25,000	25
<b>Sub Total</b>							<b>90,000</b>	<b>90</b>

<b>Result 3.2. The capacity of coastal communities enhanced to implement alternative livelihoods strategies</b>								
3.2.1 Support at least 10 voluntary local youth groups to return to artisanal fishing and embrace ecofriendly and sustainable fisheries to divert from the sand mining activity by:								
(i) Procuring and providing standard artisanal fishing equipment to youths within sand mining hotspot areas such as Lakka and Hamilton;	X	X		UNDP	GEF/LDCF	Contractual service	75,000	75
(ii) Undertaking youth skills training and capacity building to become professional as crew members, and shore based group members expected to supply all operation (e.g. fuel supply, repair of nets, boat repairs, etc.)	X	X		UNDP	GEF/LDCF	Contractual service	75,000	75



<p>3.2.2 Following the GEN approach set up :                  (i) Six CCMART's to promote community based adaptation initiatives including the establishment of a community-based small-scale processing units of fruit-based products, poultry, mushroom farming, honey production, artisanal craft and pottery industry and/or cattle production (milk, cheese, tannery) to improve Communities livelihoods for target pilot sites (Conakry Dee, Lakka &amp; Hamilton, Tombo, Shenge and Turtle Island)                  (ii) Two CSD located near Lakka and Hamilton sites to assist youth associations in developing skills for alternative income generating activities</p>	X	X	X	UNDP	GEF/LDCF	Contractual service	50,000	50,
<p>3.2.3 Support the establishment and operationalization of two complete pilot post-harvest value chain units at Conakry Dee—Port Loko axis and Tombo/Hamilton—Freetown axis as well as two post-harvest value chain components in Shenge and Turtle Island                  by:                  (i) Carrying out installation of extended/upgraded fishing landing points at Shenge and Turtle Island \$150,000                  (ii) In each of these two sites, build infrastructure to support fishing communities that enhance their livelihoods. Interventions may include installation of small solar powered cold storage facilities, non-metal/fiber glass fish stands, fresh water points, hygienic fish cleaning facilities, first aid/ hygienic installations, etc.\$50,000                  (iii) Building pilot activities at Shenge and Turtle Island sites on efficient fish drying facilities (including modified altona ovens) to reduce the pressure on the mangroves for firewood;\$50,000</p>	X	X	X	UNDP	GEF/LDCF	Contractual service	200,000	200,
<p>3.2.5 Work with the local Women's Associations and under the technical guidance of MAFFS extension services and MEMR to develop Community based Extension Service (CES) to strengthen resilient coastal small-scale farming</p>	X	X		UNDP	GEF/LDCF	Contractual service	30,000	30,



3.2.6. Establish a partnership with local CBOs (including organisations such as The Women's Network for Environmental Sustainability (WONES), The Climate Change, Environment & Forest Conservation Consortium (CEFCON-SL), Sierra Leone Artisanal Fishermen Union (SLAFU) and Women in Fisheries Association) to help young local entrepreneurs and businesses to develop new climate resilient ideas with focus on youth and women sector	X	X		UNDP	GEF/LDCF	Contractual service	38,000	38
3.2.7. Contractual service to carry out research on alternative fish smoking techniques using other fuel sources: Testing the potential use of Sargassum (sargassum briquettes and biogas) and other sources (sugar cane straw, acacia) as alternative fish smoking fuel source	X	X		UNDP	GEF/LDCF	Contractual service	20,000	20
3.2.8. Hire Int climate change coastal community livelihood enhancer to advice on best design and functioning of centre for skill development (CSD)	X	X		UNDP	GEF/LDCF	Contractual service	50,000	50
3.2.9. Hire Int. consultant in small scale farming & community water irrigation	X	X		UNDP	GEF/LDCF	Contractual service	50,000	50
3.2.10. Hire national Agronomist & rural Dev. to assist with the establish of small-scale vegetable plots	X			UNDP	GEF/LDCF	Contractual service	15,000	15
3.2.11. Hire contractual service with women and youth along the beaches to establish pilot activity on waste management techniques	X	X		UNDP	GEF/LDCF	Contractual service	25,000	25
3.2.12. Hire Gender expert to guide and support project management	X	X	X	UNDP	GEF/LDCF	Contractual service	30,000	30
3.2.13. Hire Contractual service on the establishment of small scale vegetable gardens	X	X		UNDP	GEF/LDCF	Contractual service	15,000	15
3.2.15. Hire contractual service on the establishment of small scale vegetable gardens for demonstration (seeds/tools, fertilizer, irrigation) at Conakry Dee and Tombo.) (Inputs supply)	X	X		UNDP	GEF/LDCF	Inputs	30,000	30
3.2.16. Hire national expert in fisheries and fish preservation for pilot efficient fish drying facilities	X	X		UNDP	GEF/LDCF	Contractual service	30,000	30
<b>Sub Total</b>							<b>908,000</b>	<b>908</b>

Output 3.3. Compressed Stabilised Earth Block (CSEB) practices are introduced to mitigate the risk of sand mining in Sierra Leone.	Activity Result 3.3. Result 3.3. CSEB technology established and capacity of youth built in CSEB													
<p>Indicator: No. of Pilot sites where CSEB practices are introduced</p> <p>Baseline: 0</p> <p>Target: One CSEB practices are introduced at 6 pilot sites by Dec. 2019</p>	<p>3.3.1. Hiere int. consultant specialised in alternative construction techniques to: i) conduct a baseline study on appropriateness of CSEB in SL and ii) consultations with the MoW to determine the appropriateness of the CSEB technology and awareness raising among the public to communicate how CSEB could be adopted as an alternative to S&amp;CBs</p>	X	X			UNDP	GEF/LDCF	Contractual service		20,000		20,		
	<p>3.3.2 Construction of a CSEB Production and Training Center to both manufacture CSEBs plus also to act as a training centre to help increase the awareness and understanding of the benefits (both economic and environmental) of promoting the construction of CSEBs \$110,000.</p> <p>(i) Prepare the site; digging boreholes to supply the water needed to mix the earth, cement and lime in which to make the blocks; shading and covering the areas where the machines will be installed; procuring cement and lime to mix with the earth \$40,000.</p>	X	X	X	X	UNDP	GEF/LDCF	Contractual service		150,000		150,		
	<p>Block making machine. In addition, spare parts will be procured to rapidly repair the machines in case of break-down. Additional moulds will also be imported to make alternative sized blocks</p>	X	X	X	X	UNDP	GEF/LDCF	Int. contractual service		30,000		30,		

<p><b>Output 3.4.</b> Participatory implementation of urgent and priority medium-scale soft (non-structural) and hard (structural) coastal adaptation works undertaken to protect coastal community at risks <b>Indicator</b> : degraded coastal areas (Ha) rehabilitated &amp; restored</p>	<p>[30 people per session]:</p> <p>(i) 90 Block Makers will receive trainings on (i) the responsibilities of each member of the block making team; (ii) the set up of the block making machine; (iii) the composition and characteristics of the soil that is appropriate for block making; (iv) the method to be followed in preparing and mixing the soil; (v) the quantities of cement or other stabilizer to be used for making blocks for different purposes; (vi) the way in which the machine should be operated; (vii) the curing process to be followed once blocks are made; (viii) the way in which blocks should be stacked during the curing process; (ix) the way in which the blocks should be stacked during the longer term drying process (one to two months depending on the composition of the block) (ii) 90 masons will receive trainings on (i) the difference involved in using CSEBs rather than S&amp;CBs; (ii) how to work with earth mortars; (iii) how to lay blocks using less mortar and less cement in the mortar mix; (iv) how to clean the face of blocks once laid; (v) how to supervise labourers in handling CSEBs; (vi) how to build unusual structures (vaults and domes) without form work, including how to make roofs without metal or wood sub structures</p>									
	X	X	X	X	UNDP	GEF/LDCF	Contractual service	17,500	17	
<p>3.3.4 Work with the GoSL relevant institutions to draw up an industry standard and code of conduct that reflects best practices in CSEB production. Tests at the national level, on the compressive strength of the CSEB will be conducted by a national Technical Training Institute</p>	X	X		UNDP	GEF/LDCF	Contractual service	20,000	20		
<p>3.3.5 Work with the MoW to explore the opportunities for additional innovative techniques that could respond to the construction needs in Sierra Leone, while supporting the search for cheap and sustainable resources conducted by the MoW</p>	X	X		UNDP	GEF/LDCF	Contractual service	9,000	9		
<p><b>Sub Total</b></p>							246,500	246		
<p><b>Activity Result 3.4. Targeted coastal communities enhanced for natural resource management</b></p>										
<p>3.4.1 Establish community-run nurseries for propagation of mangrove and other local vegetative species to support mangrove restoration and dune fixation</p>	X	X	X	UNDP	GEF/LDCF	Contractual service	30,000	30		

Baseline: 0  
500Ha

Target:

<p>3.4.2 Carry out rehabilitation of 500ha of degraded mangrove with suitable varieties on identified critical areas within the proposed project demonstration sites in close cooperation with local NGO's, CBO's and labour contribution from sand miner youth associations and Women Associations under a "cash for work" scheme</p>	X	X			UNDP	GEF/LDCF	Contractual service	50,000	50
<p>3.4.4 On a "cash for work" scheme, partner with sand miner youth associations and Women Associations to: (i) Carry out rehabilitation of identified degraded beach area using ecosystem based approaches and assist in resilience building- signage, pathway through from adjacent roads to the placement of rubbish bins; (ii) Undertake planting of native tree species on dune systems and/or on the beach to stabilize sand and to protect mangrove ecosystems and vulnerable villages from increased storm activity because of climate change</p>	X	X			UNDP	GEF/LDCF	Contractual service	50,000	50
<p>3.4.5 In close partnership with The Sierra Leone Tourist Board, The Ministry of Youths and Sports, USL-IMBO, SLMD/A, SLMA promote and based on cost-effectiveness and the results of Outcome 2 - Activity 2.2.3 implement selected Engineering Designs for selected coastal protection options: (i) Upgrading the gabion and groynes protecting some stretch of the Lunley beach; (ii) Stabilisation of beach facade, slope adjustment and sediment addition; (iii) Low grade beach nourishment on seaweed/sargassum affected beaches of Touristic importance; \$50,000 3.4.5. (iv) Build infrastructures to support local Women in Fisheries to enhance their livelihoods such as non-metal/fiber glass fish stands, fresh water points, hygienic fish cleaning facilities, first aid/ hygienic installations</p>		X	X	X	UNDP	GEF/LDCF	Contractual service	50,000	50
	X		X	X	UNDP	GEF/LDCF	Contractual service	50,000	50

<p>Output 3.5: Early Warning Systems are extended to target sites in the coastal zone to protect fishing and farming communities</p> <p><b>Indicator:</b> No of target sites with Early warning mechanism in place</p> <p><b>Baseline:</b> 0</p> <p><b>Target:</b> At least 6 sites have early warning mechanism in place by Dec. 2019</p>	<p>3.4.6 In close partnership with The Sierra Leone Tourist Board, The Ministry of Youths and Sports, USL-IMBO, SLMD/A, SLMA promote the following adaptation measures against seaweed coastal invasion:</p> <p>(i) Explore innovative means of clearing seaweed/sargassum in most popular beaches during tourist peak season; and/or</p> <p>(ii) Alternatively set up an innovative responsive strategy for beach protection against seaweed/sargassum invasion including clearing up of beaches, transformation/utilization of debris using a Youth Task Force on a "cash for work" scheme and/or private entrepreneurship</p>									
<p>3.4.7. National training and workshop facilitator to support training and awareness activities</p>	X	X	X	UNDP	GEF/LDCF	Contratual service	37,500	37		
<p>3.4.8. National water infrastructure developer and irrigation management expert</p>	X	X	X	UNDP	GEF/LDCF	Contratual service	7,000	7		
<p><b>Sub Total</b></p>				UNDP	GEF/LDCF	Contratual service	15,000	15		
<p><b>Activity Result 3.5: Strengthened community radios to disseminate Early Warning System messages at the six project locations</b></p>	<p>3.5.2 Develop capacity and make provision to strengthen Community Radio stations in target districts (Conakry Dee, Lakka &amp; Hamilton, Tombo, Shenge and Turtle Island) and establish with a strong participation of women and youth a community-based communication and information sharing tool in the coastal zones and target sites using local languages (community media: TV, radio and newspaper) for climate extreme events and hazards dissemination</p>	X	X	X	UNDP	GEF/LDCF	Contratual service	50,000	50	
<p>3.5.3. Hire Int. coastal Zone consultant on Eba experience to support restoration effort</p>		X	X	UNDP	GEF/LDCF	Contratual service	30,000	30		
<p>3.5.4. Hire national expert in coastal waste management and beach cleaning and planning</p>		X	X	UNDP	GEF/LDCF	Contratual service	15,000	15		
<p>3.5.5. Hire Int M&amp;E expert for project components support</p>	X			UNDP	GEF/LDCF	Contratual service	30,000	30		
<p>3.5.6. Travel cost associated with output 3</p>	X	X	X	UNDP	GEF/LDCF	Travel cost	30,000	30		

Project management cost	Sub Total	X	X	X	X	UNDP	GEF/LDCF	PMC	155,000	155,
Project steering committee meeting	X		X			UNDP	GEF/LDCF	PMC	10,000	10,000
Technical Committee meeting	X	X	X	X	X	UNDP	GEF/LDCF	PMC	5,000	5,000
Project manager	X	X	X	X	X	UNDP	GEF/LDCF	PMC	15,000	15,000
Common premises	X	X	X	X	X	UNDP	GEF/LDCF	PMC	45,000	45,000
Project Management Unit specific training needs	X	X	X	X	X	UNDP	GEF/LDCF	PMC	5,000	5,000
Communication cost	X	X	X	X	X	UNDP	GEF/LDCF	PMC	12,000	12,000
Financial Assistant/Admin Salary	X	X	X	X	X	UNDP	GEF/LDCF	PMC	12,000	12,000
Driver	X	X	X	X	X	UNDP	GEF/LDCF	PMC	10,000	10,000
M&E Officer	X	X	X	X	X	UNDP	GEF/LDCF	PMC	12,000	12,000
Office equipment & Furniture	X	X	X	X	X	UNDP	GEF/LDCF	PMC	20,000	20,000
Travel cost associated with project management & monitoring	X	X	X	X	X	UNDP	GEF/LDCF	PMC	30,000	30,000
Gasoline	X	X	X	X	X	UNDP	GEF/LDCF	PMC	12,000	12,000
Sub Total									188,000	188,000
<b>Subtotal GEF</b>									<b>3,825,000</b>	<b>3,825,000</b>
<b>Project management cost (Track)</b>									<b>20,000</b>	<b>20,000</b>
Office equipment & Furniture	X	X	X	X	X	UNDP	GEF/LDCF	PMC	10,000	10,000
Communication cost & Audio visual	X	X	X	X	X	UNDP	GEF/LDCF	PMC	10,000	10,000
Printing cost	X	X	X	X	X	UNDP	GEF/LDCF	PMC	15,000	15,000
Training & workshops	X	X	X	X	X	UNDP	GEF/LDCF	PMC	15,000	15,000
Travels cost	X	X	X	X	X	UNDP	GEF/LDCF	PMC	15,000	15,000
Gasoline	X	X	X	X	X	UNDP	GEF/LDCF	PMC	20,000	20,000
Project Management Unit specific training needs	X	X	X	X	X	UNDP	GEF/LDCF	PMC	10,000	10,000
<b>Sub Total</b>									<b>100,000</b>	<b>100,000</b>
<b>Grand Total</b>									<b>3,925,000</b>	<b>3,925,000</b>

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

DR Foday M. Jaward  
 Executive Director  
 EPA SI  
 Date: 

  
 Samuel Doe  
 Resident Representative  
 UNDP-SI  
 Date: 22-02-19