#### UNITED NATIONS DEVELOPMENT PROGRAMME

# PROJECT DOCUMENT ADDENDUM Lebanon



Project Title: Sustainable Energy for Security: Interventions for the Lebanese Armed Forces (LAF)

along the North-eastern Lebanese border.

Award Number: 00120029 Project Number: 00116354

Implementing Partner: UNDP (DIM)

Start Date: July 2019 End Date: December 2022

#### **Brief Description**

The project focuses mainly on strengthening the security and well-being of the LAF personnel in the North-Eastern regions subject to tremendous security pressures, through the provision of specifically targeted actions using sustainable energy solutions. These actions build on the Lebanese Armed Forces Sustainable Energy Strategy of 2016 that was prepared by the EU-funded CEDRO project and endorsed by the Minister of Defence and the Commander of the LAF in 2017.

In summary, the project targets the installation of renewable energy applications (solar PV, microwind, solar hot water systems, use of biomass, energy efficient lighting systems, ...) and also build the capacity of the LAF on renewable energy applications (on the design, operation, and maintenance of the applications, provision of related technical guidelines, and the dissemination of awareness raising activities).

This project document is elaborated to implement the agreement signed between the EU and UNDP (contract reference: ENI/2019/408-183) signed end of June 2019, and its addendum 1 signed in July 2021 for a 12 months no-cost extension.

#### Contributing Outcome:

UNSF Outcome 3.1 Environmental Governance Improved.

CPD Outcome 4.1 Low emission climate resilient actions initiated, Indicator 4.1.2 Amount of energy saved from the implementation of decentralised and/or small scale mitigation projects.

Indicative Output(s) with gender marker:

Indicative Output(s) with gender marker: Security of border communities promoted and LAF logistic strengthened – GEN 1

Total resources required:		USD 4,603,800				
Total resources						
allocated:	UNDP:	USD 127,000				
	EU:	USD 4,476,800				
	UNDP: Additional USD 25,000 Audit fees					
Unfunded:		USD 0.00				

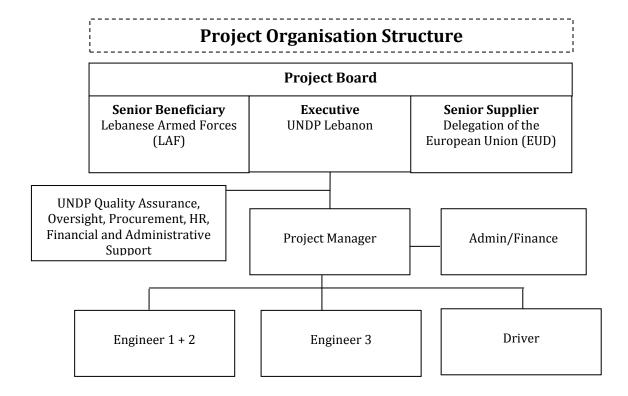
## Agreed by (signatures):

Agreed by (signatures):		
	United Nations Development Programme (UNDP)	
Ms. Melanie Hauenstein Resident Representative	DocuSigned by:  / Slavie Hand:  3C8E388716144A0	DS WS
Date: 08-Apr-2022		

The current addendum is prepared to reflect the time extension without cost implications, in line with addendum 1 of the agreement signed with the Delegation of the European Union.

Below is the updated Project Board to reflect the direct project beneficiary, and the updated Results Framework table.

# 1- Updated Project Board



# **2-** Updated Results Framework

#### **Logical Framework**

Intended Outcome as Stated in the UNSF/Country Programme Results and Resources Framework

3.1. Environmental Governance Improved.

Outcome indicators as stated in the CP Results and Resources Framework including baseline and targets

CPD Outcome 4.1 Low emission climate resilient actions initiated, Indicator 4.1.2 Amount of energy saved from the implementation of decentralised and/or small scale mitigation projects.

### Applicable outputs form the UNDP Strategic Plan

**1.5.1** Solutions adopted to achieve universal access to clean, affordable and sustainable energy and 2.51. Solutions developed, financed and applied at scale for energy efficiency transformation to clean energy and zero carbon development for poverty eradication and structural transformation

Expected Oucomes	Output Results	Baseline 2019	Targets year 1 (June 2019 - June 2020)	Targets year 2 (June 2020 - June 2021)	Targets year 3 (July 2021 - Dec. 2021)	Targets year 4 (Jan 2022 - Dec. 2022)	Targets total	Data Source	Assumptions / comments
Outcome: Strengthen	Result 1: Renewable energy applications in border areas installed								
strategic readiness of the LAF at the North Eastern borders through the operationalisation of the LAF Sustainable Energy Strategy	1.1 Number of solar and/or wind microgrid systems installed	0	0	7	13	4	24	Site surveys & project reports	Project able to install data loggers
	1.2 Number of solar hot water systems installed	0	16	7	0	5	28	Site surveys & project reports	Project able to install data loggers
	1.3 Provision of biomass pellets & briquettes	0	0	0	340	440tons	780 tons	Site surveys & project reports	
	1.4.Number of boilers to receive biomass pellets upgraded	0	0	5	5	3	13	Site surveys & project reports	
Outcome Indicators	1.5 Number of small-capacity energy efficient biomass stoves	0	0	10	10	0	20	Site surveys & project reports	
Increase in sense of security at Lebanese borders and among LAF personnel	1.6 Number of solar street lighting installed	0	200	0	0	30	230	Site surveys & project reports	
% reduction in fuel consumption among forward bases	1.7 Number of households with solar home systems	0	30	0	0	0	30	Site surveys & project reports	
Amount of fuel consumption reduced (liters)	1.8 Number of energy efficient projectors installed	0	8	9	0	0	17	Site surveys & project reports	Project able to install data loggers
Number of army personnel knowledgeable of RE and EE applications	1.9 Number of energy efficient flood lights for border fences installed	0	110	110	0	0	220	Site surveys & project reports	

% reduction in electricity consumption per LAF personnel	1.10 Number of deployable flood lights available with LAF	0	1	0	0	0	1	Site surveys & project reports	
Number of LAF personnel with knowledge of sustainable energy solutions	1.11 Number of blinkers installed	0	8	8	0	0	16	Site surveys & project reports	
Decrease in noise interferences with army security duties	1.12 Number of mobile solar panels for communication available	0	0	10	0	0	10	Site surveys & project reports	
Decrease in length of interrupted energy supply (hours)	1.12 Number of energy efficiency building retrofitted for improved insulation	0	0	1	1	0	2	Site surveys & project reports	
	1.12 Number of roofs waterproofed	0	0	0	2	3	5	Site surveys & project reports	
	1.13 Energy interventions at two health- care centers catered to the LBR2	0	0	0	0	2	2	Site surveys & project reports	
% increase in army personnel comfort	Result 2: Capaci	ty of LAF or	renewabl	e energy a	pplication	s built			
% increase in sense of community security	2.1 Number of workshops for the LAF on RE	0	4	4	2	5	15	workshop reports	
	2.2 Number of trainings for municipalities on RE	0	0	3	0	0	3	training reports	
	2.3 Publications and stories issued	0	4	6	2	4	16	Project reports	stories to be cleared by LAF and EU
	2.4 Website	0	1	0	0	0	1	Project reports	
	2.5 Outreach tools	0	2	4	3	4	13	Project reports	Website updates to be cleared by LAF and EU