

TERMS OF REFERENCE – CONSULTANT FOR COOL UP PROGRAMME

Country: Lebanon

March 2024

Summary

Post Title:	National expert to update existing national cooling action plan (NCAP) for the Cool Up Programme in Lebanon
Starting Date:	Immediately after the selection of the expert and signing the contract.
Duration:	Deliverable-based in a period of 4 months
Location:	Flexible, field visits to different locations as needed
Project:	Cool Up - Scaling Up Sustainable Cooling in the Middle East
Deadline to send the application	15 th of April 2024

1. Background information

The Lebanese Center for Energy Conservation (LCEC) as a part of the Cool Up programme, funded under the International Climate Initiative (IKI), is seeking the services of a qualified and experienced Consultant to update the National Cooling Action Plan (NCAP) in Lebanon. The NCAP aims to enhance the country's cooling systems, ensuring energy efficiency, sustainability, and reduce environmental impact. The selected Consultant will play a crucial role in analyzing the current National Cooling Action Plan, proposing improvements, and aligning strategies with global best practices.

The NCAP for Lebanon was published in May 2021. It includes 8 sections covering a baseline for cooling systems and types of refrigerants in Lebanon, a proposal of mitigation scenarios till 2050, strategies to enable policies and financing.

Given the delays in implementing the NCAP and several sets of comments received from Lebanese stakeholders, the plan shall be updated to account for all market and policies changes.

2. The Cool Up programme

The Cool Up programme promotes accelerated technological change in cooling demand reduction and early implementation of the Kigali Amendment and Paris Agreement in Egypt, Jordan, Lebanon, and Türkiye. The approach is based on four pillars: Reducing cooling demand; Supporting the phase-down of hydrofluorocarbons (HFCs); Replacing and safely disposing of inefficient cooling appliances and

refrigerants; Improving cooling appliance operation, training, and awareness. Long-term effects will be ensured by clear programme governance and strong participation of the local partners in each country.

Cool Up scope covers sustainable cooling systems, including stationary air-conditioning and commercial refrigeration focus on solutions with natural refrigerants such as hydrocarbons like propane (R290) or isobutane (R600a), carbon dioxide (CO₂, R-744), ammonia (NH₃, R-717), water (R-718), air (R-729), and not-in-kind alternatives (solutions not requiring refrigerant-based compression technology). Despite their low global warming potential (GWP), hydrofluoroolefins (HFOs) and other F-gases with an intermediate GWP (e.g., R32) are excluded from the project scope due to their potential adverse effects on the climate, environment, and human health.

3. Institutional Arrangements

The National Expert is assigned to work in close cooperation with and under guidance of LCEC and NOU and with support of Cool Up Consortium. Consultation on project results and other relevant initiatives and projects are facilitated by NOU. Cool Up consortium is responsible for contractual issues, reviews, and quality assurance of the work.

4. Objectives

- Review and update the existing NCAP considering economic changes and comments collected from different stakeholders.
- Develop a detailed plan for the phased implementation of sustainable cooling practices including enforcement scenarios, provide recommendations for policy adjustments and regulatory frameworks and align the results from the NCP with the NEEAP "National Energy Efficiency Action Plan".
- Elaborate a final report of an Updated National Cooling Action Plan.

5. Scope of Work

The consultancy will encompass the following tasks:

- Review the current National Cooling plan;
- Review the current model used in the existing NCAP;
- Recheck and analyze the data available with MoE/NOU used to develop the NCAP;
- Update the Plan in accordance with the comments from stakeholders;
- Identify and evaluate emerging technologies in the field of cooling;
- Develop a roadmap for the gradual integration of sustainable cooling practices;
- Collaborate with relevant stakeholders, including government agencies, industry experts, and environmental organizations.
- Proposing methodologies and forecasting the results, for scenarios reaching the year 2050 with a defined baseline year.
- Align financial aspects of the NCAP with recent financial, economic, and monetary transformations in Lebanon.
- Restructure the plan to consider all recent delays.

6. Deliverables

The estimated number of expert days to be used for the assignment is 20 -25 expert days.

The consultant is expected to deliver the following:

- Comprehensive report on the current state of cooling in Lebanon;
- Detailed plan for the phased implementation of sustainable cooling practices including enforcement scenarios;

- Recommendations for policy adjustments and regulatory frameworks;
- Align the results from the NCAP with the NEEAP “National Energy Efficiency Action Plan”;
- A final report of an Updated National Cooling Action Plan.

	Deliverable	Timeline	Estimated expert days for orientation*
	Comprehensive report on the current state of cooling in Lebanon;	6 weeks after signing the contract	5
	Detailed plan for the phased implementation of sustainable cooling practices including enforcement scenarios;	2 months after signing the contract	5
	Recommendations for policy adjustments and regulatory frameworks;	3 months after signing the contract	3
	Align the results from the NCAP with the NEEAP “National Energy Efficiency Action Plan”;	3 months after signing the contract	2
	A final report of an Updated National Cooling Action Plan.	4 months after signing the contract	5

* The estimated expert days can serve as reference value

7. Conditions, required qualifications and evaluation criteria

Topic	Requirements and conditions
Experiences	<p>The Consultant shall possess the following qualifications:</p> <ul style="list-style-type: none"> ▪ Extensive experience in energy efficiency and sustainable practices, particularly in the field of cooling systems and refrigerants. ▪ Specialized in the environmental/energy efficiency sector and a demonstrative experience in refrigerants, with 5+ years of experience. ▪ In-depth knowledge of Lebanon’s energy landscape and regulatory frameworks. ▪ Proven experience in working with Lebanon’s NCAP and developing national-level plans or strategies.
Timing And Duration	<ul style="list-style-type: none"> ▪ The tasks are expected to start in April 2024 after the contract signature date. The contract will be initially signed for three months.
Place of work and travel costs	<ul style="list-style-type: none"> ▪ Home-based and field visits if needed ▪ Travel costs should be included in the lump sum of the offer, see “proposal submission”
Payments	<ul style="list-style-type: none"> ▪ Payments will be made within 45 days upon acceptance and approval of the deliverables. The Consultant shall submit an invoice indicating activities, prices, and corresponding expert-days.
Contractual arrangements	<ul style="list-style-type: none"> ▪ Upon the successful selection of the Consultant, the contract to provide the services mentioned in this TOR will be signed with Guidehouse Germany GmbH as the Implementing organisation of Cool Up Programme.
Taxes	<ul style="list-style-type: none"> ▪ The consultant is completely responsible for all taxation.

Topic	Requirements and conditions
How to apply Proposal submission	<p>Interested Consultants are invited to submit their detailed proposals, including methodology, timeline, and financial considerations, by 30 March to info@coolupprogramme.org with the title: <i>03/2024 National technical expert NCAP_Lebanon</i>. The following documents must be submitted to be considered for the assignment:</p> <ul style="list-style-type: none"> ▪ Curriculum vitae, CV. ▪ Education Certificates and trainings. ▪ One-pager of cover letter indicating the relevant exercises, the approach to the assignment and the key activities towards a successful deliverable of the outputs. ▪ Financial offer: <ul style="list-style-type: none"> ▪ Please offer your services at a lump sum price. The price per deliverable must contain all relevant costs including travel expenses ▪ In addition, the assessment of the financial bid is also based on the underlying daily rate ▪ Therefore, please also provide the underlying daily rate and a breakdown of the calculated lump sum price
Evaluation criteria	<p>Consultants apply to this TOR, will be evaluated based on the following aspects:</p> <ul style="list-style-type: none"> ▪ Relevant experience and qualifications (70%); ▪ Methodology and approach (20%); ▪ Financial offer (10%); <p>Shortlisted applicants might be invited for an interview with the Cool Up team.</p>

8. Contact Information



For inquiries and submission of proposals, please contact info@coolupprogramme.org, subject: *03/2024 National technical expert NCAP_Lebanon*

Note:

This ToR is subject to adjustments based on specific project requirements and LCEC/NOU inputs.

For further information, please contact: info@coolupprogramme.org



-  coolupprogramme.org
-  [Twitter](#)
-  [Newsletter](#)
-  [Email](#)