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**United Nations Development Programme (UNDP) in Moldova  
Project: " HCFC Phase-Out Management Plan – Second Stage"**

**CALL FOR PROJECT PROPOSALS FOR INNOVATION CHALLENGE PROGRAMME**

UNDP project " HCFC Phase out Management Plan – Second Stage (HPMP Stage II)" is launching Call for Innovation Challenge Programme for selecting Local Companies/Organizations to implement demonstration of new technologies (natural refrigerants) for RAC (refrigeration/air conditioning) system in commercial sector.

**The Call is open to:**

Local Companies/Organizations which intends to pilot RAC system on natural refrigerants such as ammonia or CO<sub>2</sub> in commercial sector.

**Background Information**

The Republic of Moldova is a Party to the Montreal Protocol on Substances that Deplete the Ozone Layer since 1996 and has committed to gradual phase-out of ozone depleting substances such as hydrochlorofluorocarbons (HCFCs). HPMP Stage II aims at achieving the planned HCFC reduction targets (35% reduction in HCFCs use from the baseline) in the timeline from 2016 to 2020 and is intended to serve as a direct implementation instrument of the country's policy and commitment to meet its obligations under the Montreal Protocol.

According to the HCFCs Phase out Management Plan schedule for the second stage the R-22 will be phase-out and R-134a will be gradually replaced by new generation HFC-refrigerants and natural refrigerants (blends of hydrocarbons, ammonia blends - with hydrocarbons, oils, etc., and carbon dioxide). Different applications lend themselves to different natural refrigerants. For example, industrial applications lean toward ammonia, while supermarkets favor CO<sub>2</sub>, though in both industries end users are exploring alternatives.

One of the UNDP project HPMP Stage II components refers to – Demonstration of new technologies in commercial refrigeration sector (natural refrigerants). The project supports demonstration project in the RAC sector (commercial refrigeration, chill cabinets, cold storage and food processing, industrial refrigeration, large air conditioning and chiller systems) with the purpose to apply modern natural refrigerant technologies in the Republic of Moldova and build a local practical experience and confidence of end-users.

**Objective of demonstration project component:**

Objective of Demonstration project of RAC System under the HPMP Stage II is to:

1. Pilot RAC system on natural refrigerants such as ammonia or CO<sub>2</sub> in commercial sector that play an important role to gain ozone and climate benefits;
2. Promote energy savings, cost savings from purchasing fewer refrigerants, space availability, less incidents etc. using the innovative technologies;
3. Create awareness of end-user about available technologies and innovations and to demonstrate the benefits and advantages.

**Timeframe for implementing demonstration project component:**

Implementation period for demonstration project component shall not exceed six (6) months.

**Total Project maximum:**

Up to thirty-two thousand USD (32,000 US\$) only for installed technology on natural refrigerants such as ammonia or CO2 that will be awarded for the selected beneficiaries.

**Eligibility criteria:**

- ✓ Local registered Company or Organization
- ✓ At least two years of experience in the commercial sector
- ✓ Ability to meet the project deadlines
- ✓ Availability of own funds for co-financing

**Selection criteria:**

Selection Criteria	Explanation	Points
The size of enterprise	a) Medium enterprise	7-9
	b) Small enterprise	4-6
	c) Micro enterprise	1-3
Replicability potential	a) The area where innovative technology is applied has large replicability potential	12-20
	b) The area where innovative technology is applied has moderate replicability potential	5-11
	c) The area where innovative technology is applied has limited replicability potential	0-4
Number of people that benefit from the new technology	a) 1-500	0-4
	b) 500-1000	5-11
	c) 1000 and more	12-20
Required refrigeration capacity (kW)	a) 51-100 kW	12-20
	b) 21-50 kW	5-11
	c) 1-20 kW	0-4
Financing from own sources	a) 61-80%	12-20
	b) 41-60%	5-11
	c) 20-40%	0-4
Degree of usage of innovative technology during the year	d) 10-12 months	7-9
	e) 7-9 months	4-6
	f) 3-6 months	1-3

**Required Information and Documents**

Participants, interested to take part in the project should provide the following information and documents:

- ✓ Application form completed and signed (please see attached documentation);
- ✓ Registration certificate/Business Licenses – Tax Payment Certification (as applicable), Detailed Bank Requisites etc.

**SUBMISSION DETAILS OF THE PACKAGE FOR DOCUMENTS AND INFORMATION FOR INNOVATION CHALLENGE PROGRAMME:**

Package (including all required information and documentation) should be sent electronically (signed and scanned) to the following: [ala.cojocar@undp.org](mailto:ala.cojocar@undp.org) with a copy to [silvia.pana-carp@undp.org](mailto:silvia.pana-carp@undp.org)

If additional clarifications required, please send your inquiries by mail to [ala.cojocar@undp.org](mailto:ala.cojocar@undp.org) or call Mr. Pavel Gavrilita 060983183.

**Deadline for submitting package: 2 December 2019 (16:30 local time).**

UNDP will not consider any application that arrives after the deadline.