

**Perspectives from RAC servicing sector: How to achieve readiness for energy-efficient and low-GWP cooling technologies?**

**25 October 2023 | 1800-2000 hrs EAT**

The Council on Energy, Environment and Water ([CEEW](#)) is pleased to invite you to a side-event at the 35th Meeting of the Parties (MOP) to the Montreal Protocol, 'Cooling emissions and servicing: shaping markets to be ready for energy efficient and low-GWP technologies' on **25 October 2023, 1800-2000 hrs** at United Nations Office at Nairobi (UNON) United Nations Avenue, Gigiri Nairobi, Kenya.

India has been a first mover in drafting the National Cooling Action Plan where servicing is given a special focus with respect to skill enhancement, certification mechanisms and social security of service technicians. Such measures with delivery of good quality servicing based on prescribed norms will reduce about 40 percent high-GWP refrigerant emissions and offer up to 80 percent improvement in energy performance, thus leading to operation of cooling units close to their design efficiency.

As with natural refrigerants which require specific training modules, inverter technology and other smart technologies require technicians with deeper and broader skill-set. In certain cases, companies have shied away from scaling up deployment of such energy-efficient technologies due to the lack of a well trained pool of service technicians.

With sustainable cooling in spotlight as a key agenda point for CoP28 later this year, the side event will take the opportunity to highlight and create momentum on the need to shape an enabling ecosystem for market readiness of clean cooling technologies with servicing in focus.

**Agenda (EAT in hrs)**

<b>1800 – 1830</b>	<b>Evening snacks</b>
<b>1830 – 1845</b>	<b>Briefing presentation and launch of report</b> <b>Himanshu Dixit</b> , Council on Energy, Environment and Water (CEEW)
<b>1845 – 1945</b>	<b>Panel Discussion   Cooling emissions and servicing: shaping markets to be ready for energy efficient and low-GWP technologies</b> <b>Bassam Elassaad</b> , RTOC and TEAP, UNEP <b>Avipsa Mahapatra</b> , Environmental Investigation Agency <b>Jitendra Bhambure</b> , RTOC, UNEP <b>Mary Najjuma</b> , London South Bank University Moderator   <b>Himanshu Dixit</b> , CEEW

**Thematic areas to be covered in the discussion:**

1. Lifecycle Refrigerant Management (LRM) is an increasingly crucial issue area given its emission mitigation potential. How important is the servicing sector for achieving this? What are the levers available to policymakers to shape the ecosystem around best known practices of LRM? **(Avipsa)**
2. Refrigerant transition quite explicitly created a need for upskilling and training the service technicians as it was a safety requirement. It will be great if the panel can reflect on the linkage between energy-efficiency and servicing, both from technical and operational standpoints. How do we institutionalise this knowledge and practice in the servicing sector? **(Mr Bassam, Mr Bhambure)**
3. There are challenges in having a completely ready servicing sector. What are the other dimensions in addition to the known challenges, especially in low-income countries, that affect the overall deployment of energy-efficient and other clean cooling technologies? **(Mary)**
4. Smart technologies (i.e. IoT-based appliances) provide a good opportunity to redress the problem of information and awareness about good operational performance of cooling units, at least at a theoretical level. What does the panel think about their potential and how best can we utilise them? **(all panellists can reflect on this)**