



EU-India Clean Energy and Climate Partnership – Study on Smart Readiness Indicators (SRI)

Background

The European Union (EU) – India Clean Energy and Climate Partnership (CECP) (<https://www.cecp-eu.in/>) was agreed at the EU-India Summit on 30th March 2016. The aim of this partnership is to reinforce cooperation on clean energy and implementation of the Paris Agreement by strengthening joint activities for deployment of climate friendly energy sources including in the areas of energy efficiency, renewable energy, smart grids, storage, sustainable finance, and climate mitigation and adaptation between EU and India.

India is witnessing one of the fastest construction growths worldwide. It is estimated that commercial floor area in India will grow by 2.5-3 times in next 2 decades. Also, according to the United Nation's data, India alone is expected to account for 17% of the global growth in urban population between 2018 and 2050, adding 416 million urban dwellers. The commercial building sector has been growing at a rate of 10-11%, much faster than the average electricity growth in the economy. For commercial buildings, heating, ventilation, and air conditioning (HVAC) and lighting system constitutes close to 55% and 25%, respectively of the total electricity consumed in buildings.

The world is experiencing quick technological transformation across all sectors. Digital technologies have advanced more rapidly than any other innovation in history. It has reached out to 50% of global population in only 2 decades and transforming societies. Building sector is one of the prime movers for integrating technological advancements into its electrical and mechanical systems. The value of buildings (commercial and residential) has increased over the period of time once they started adopting information (data) based applications, which are termed as smart systems for buildings. Especially in the EU, these smart systems are having a significant impact on building owners and operation and maintenance teams for reducing the operation and maintenance (O&M) costs.

According to an independent analysis conducted by Memoori, a company focused on the smart building industry, the number of connected devices in operation in the commercial smart building's vertical is expected to grow from 1.7 billion in 2020 to around 3 billion by 2025 representing a CAGR of 10.8%. Specifically, in the EU, the contribution of integration of smart technologies in buildings is estimated to be noteworthy. With the objective of identifying and supporting opportunities for EU business engagement in India and assessing the possibility of establishing a framework for Smart Readiness Indicators (SRI) in India, a feasibility study is conducted under EU India CECP project.

Objective of the consultation workshop

- Reactions from technology providers, owners and businesses on the findings of the SRI study.
- Understand the perspective of technology providers, owners and businesses for the necessity/need of SRI framework in India.

Format of the consultation workshop

The stakeholder consultation will be hybrid in nature and will have a duration of 2 hours, comprising of opening/closing remarks, presentations, and reactions to the study by technology providers, businesses and consumers.



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Date: 5th May 2022 (Thursday)

Time: 08:00 hrs to 10:00 hrs CET / 11:30 hrs to 13:30 hrs IST

Venue: Hotel Le Meridien, Windsor Place, Connaught Place, New Delhi, Delhi 110001

TIME (CET)	TIME (IST)	
Opening remarks & context setting		
08:00 – 08:10	11:30 – 11:40	Edwin Koekkoek , First Counsellor – Energy & Climate Action, EU Delegation to India
08:10 – 08:20	11:40 – 11:50	Sh. Saurabh Diddi , Director – Bureau of Energy Efficiency
Presentations		
08:20 - 08:25	11:50 – 11:55	Rajeev Ralhan , Executive Director, PwC India Moderator
08:25 – 08:40	11:55 – 12:10	Dr. Stijn Verbeke , Senior R&D Building and District Energy Performance @ VITO Presentation on SRI and its developments in Europe
08:40 - 08:55	12:10 - 12:25	Gopal Np , Manager – PwC India Availability of Smart Technologies in India
08:55 – 09:05	12:25 - 12:35	Rajeev Ralhan , Executive Director, PwC India SRI in India - Application and possible way forward
Reactions to the study and presentations		
09:05 – 09:15	12:35– 12:45	Technology provider perspective Mr. Robin Roy – Delta Electronics Mr. Praveen Rathore – Eaton
09:15 – 09:25	12:45 – 12:55	Business perspective Mr. Naresh Gupta – Havells
09:25 – 09:35	12:55 – 13:05	Consumer perspective Mr. Vishul Saxena – Interiobuild Pvt. Ltd.
09:35 – 09:50	13:05 – 13:20	Q & A
09:50 – 09:55	13:20– 13:25	Gopal Np , Manager – PwC India Summary of discussion
09:55 – 10:00	13:25 – 13:30	Sh. Saurabh Diddi , Director – Bureau of Energy Efficiency Consolidation of thoughts & vote of thanks
Networking lunch 13:30 hrs onwards		