



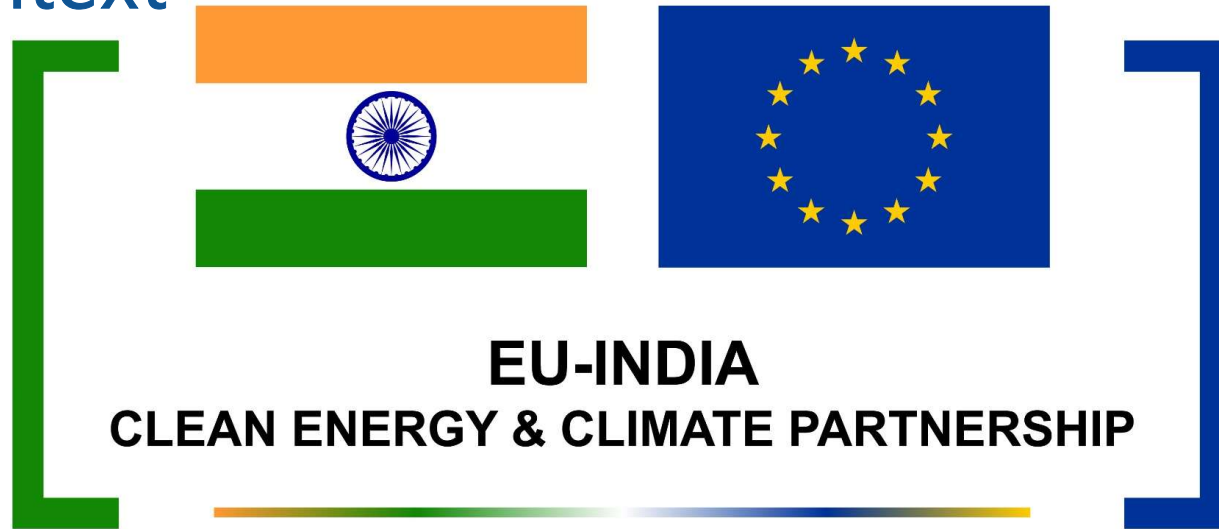
Call for EU – India projects Integrated Local Energy Systems

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Directorate-General for Energy

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Department of Science & Technology

India Smart Utilities Week, 4 – 6 March 2020, Delhi

Policy Context



- EU-India Summit in 2016: Adoption of Clean Energy and Climate Partnership
- EU-India Summit 2017: Joint Statement confirming commitment on cooperation for clean energy
- Activities under the EU – India Clean Energy and Climate Partnership focus on renewable energy, energy efficiency and smart grids
- How: policy dialogue, business-to-business facilitation and increased cooperation on R&I necessary to achieve objectives



Policy Context - continued

- Intense **cooperation on smart grids** to enable the integration of large shares of renewable electricity : 8 EU – India Smart Grids workshops held since 2015 with discussions and exchanges on :
 - Demonstrations of technologies and business models
 - Regulatory frameworks
 - Roll out of smart infrastructure



6th EU-India Smart Grids Workshop



Florence, Italy • 19-22 November 2018





Policy Context - continued

- Move towards **tangible cooperation projects in the field** : first demonstration projects in which EU and India utilities work together in the field have started in March 2019, supported by EU funding (Horizon 2020)
- EU and India also founding partners of Mission Innovation (MI) initiative taken during COP21 in Paris in 2015 committed to concentrate research and innovation efforts to make clean energy widely affordable
- New deliverable: **Joint Call on Integrated local energy systems** ('energy islands' ; opening deadline for the 'amended' topic 5 May 2020 and closing on 1 September 2020)
- In total €18 million Euro: **€9 million from EU R&I programme Horizon 2020 matched by Clean Energy Research Initiative, DST**



European
Commission

Horizon 2020
European Union funding
for Research & Innovation



DEPARTMENT OF
SCIENCE & TECHNOLOGY
Ministry of Science and Technology
Government of India

सत्यमेव जयते



Horizon 2020 Call Text

- See EU Funding and Tender Portal <http://www.ec.europa.eu/research/participants>
 - Horizon 2020 Work Programme 2019-2020 published on 2/7/2019
 - will be amended and re-published/re-opened on 5 May 2020 -
- Topic ID: LC-SC3-ES-13-2020
- Watch for Frequently Asked Questions (regular updates)

The screenshot shows the European Commission's funding portal. At the top, it says 'Funding & tender opportunities' and 'Single Electronic Data Interchange Area (SEDIA)'. There are navigation links for 'SEARCH FUNDING & TENDERS', 'HOW TO PARTICIPATE', 'PROJECTS & RESULTS', 'WORK AS AN EXPERT', and 'SUPPORT'. The main content area displays the call title 'Integrated local energy systems (Energy islands): International cooperation with India' with the ID 'LC-SC3-ES-12-2020'. It specifies the focus area as 'Building a low-carbon, climate resilient future (LC)' and the type of action as 'IA Innovation action'. Key dates include an opening on '03 September 2019' and a deadline on '29 January 2020 17:00:00 Brussels time'. A green 'Open' button is visible. At the bottom, it identifies the work programme as 'Secure, clean and efficient energy' and provides the call name and ID: 'BUILDING A LOW-CARBON, CLIMATE RESILIENT FUTURE: SECURE, CLEAN AND EFFICIENT ENERGY | Call ID:H2020-LC-SC3-2018-2019-2020'. A 'See budget overview' button is also present.



Call Text by the Government of India

- Webnotice by the Department of Science and Technology (DST)
<https://dst.gov.in/callforproposals/indo-eu-joint-call-document-smart-and-integrated-local-energy-systems>

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MINISTRY OF SCIENCE AND TECHNOLOGY

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Indo-EU Joint Call document on Smart and Integrated Local Energy Systems

[Last Date for submission at EU: 29th January 2020]

[Last Date for Submission in India: 31st January, 2020]

Language

Undefined

Attachment File:

Indo-EU -Webnotice-SmartGrids-25092019.pdf

Date:

Tuesday, September 3, 2019 to Wednesday, January 29, 2020



Scope

- Novel solutions encompassing local integration across energy vectors (including electricity, heating, cooling, water, waste, etc)
- Solutions for increased share of renewables in the energy mix and higher energy efficiency of the local energy system possibly including batteries and electric vehicles.
- Cooperation in form of demonstration project of a local energy system in Europe and/or India (TRL range 5 to 8)

Expected Impact

- Potential replication across Europe and India
- Benchmark technical solutions and business models



Specific Call Conditions

Innovation Action (IA)

- Innovation Action primarily consisting of activities that aim to produce plans, arrangements or designs for new, altered or improved products, processes or services
- Projects may include limited research and development activities

Participants

- Minimum 3 independent participants from EU/Europe and 3 from India

Proposal Submission

- Proposal to be submitted to EC H2020 portal and same copy to DST online portal



Eligibility for EU Participants



- Any legal entity: company, big or small, research organisations, universities, non-governmental organisations, regardless of their place of residence or establishment in "Europe" (= EU Member States and H2020 Association Countries);
- They must possess the operational and financial viability to carry out the research tasks that they propose.



Eligibility for Indian Participants



- **Lead Institution:**

- ✓ The consortium has to be led by faculties/scientists working in regular position in public funded academia or National / State funded R&D Labs.

- **Participating Entities in consortia**

- ✓ Any Public or Private academia.
- ✓ Any National or State funded R&D Labs.
- ✓ Urban and Local Bodies.
- ✓ Non-academic R&D centers/ Research Foundations recognised as Scientific and Industrial Research Organization (SIRO) by DSIR.
- ✓ Darpan Portal registered not-for-profit (NGOs, Voluntary Organizations / Trusts) having minimum 3 years of existence and operational.



Eligibility for Indian Participants



• **Participating Entities in consortia Continued**

- ✓ Start-up companies registered in India by Indian Resident having valid registration and submission of certificate of incorporation issued under Indian Companies Act; and Start-up Companies registration certificate by Ministry of Commerce and Industry.
- ✓ An Indian Company registered under the Indian Companies Act, wherein 51% (or more) of the ownership / shareholding /partnerships shall be held by resident Indian citizen(s);
- ✓ Section 8 Companies as registered under the Indian Companies Act, 2013.



Thank you!

Call implemented by

INEA

Innovation and Networks Executive Agency

Visit INEA's website:

<http://inea.ec.europa.eu/>

EU Funding & Tenders Portal:

<http://www.ec.europa.eu/research/participants>



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