



# भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर Indian Institute of Technology Bhubaneswar

## Press Release

### **IIT Bhubaneswar Signs Research Collaborative Agreement with GRIDCO and NTU Singapore to Propel Renewable Energy Innovation**

**Bhubaneswar, 11<sup>th</sup> December 2025:** Indian Institute of Technology (IIT) Bhubaneswar has recently signed a landmark Research Collaborative Agreement with GRIDCO Ltd. and Nanyang Technological University (NTU), Singapore, to advance four major deployment projects across key verticals of renewable energy—Battery Energy Storage, Microgrids, Waste-to-Energy, and Agri-Photovoltaics. This collaboration is poised to enable prototype development, field deployment, and commercial-scale implementation, marking a significant step toward strengthening India’s renewable energy ecosystem, particularly in the eastern region.

IIT Bhubaneswar is steadily positioning itself as a national renewable energy hub by developing state-of-the-art research and development infrastructure and fostering strategic international partnerships. Through this collaboration, the Institute aims to spearhead transformative initiatives that will shape the country’s future energy landscape while supporting the Government of Odisha’s energy-transition goals.

Furthering this vision, an MoU was also signed between IIT Bhubaneswar, GRIDCO Ltd., Avaada, and ReNew Pvt. Ltd. to establish a Centre of Excellence in Green Hydrogen. The proposed Centre will focus on translational research, entrepreneurship, and commercializable technology development in Green Hydrogen and allied domains. This initiative will catalyse innovation, create a robust research and industry ecosystem, and accelerate Odisha’s emergence as a leading hub for energy transition aligned with the Hon’ble Prime Minister’s Net-Zero mandate.

The MoUs were formally signed during the Global Energy Leaders’ Summit (GELS-25) held in Puri from 5<sup>th</sup> to 7<sup>th</sup> December 2025. The ceremony was graced by the Hon’ble Deputy Chief Minister of Odisha, Shri Kanak Vardhan Singh Deo, and the Principal Secretary (Energy), Government of Odisha, Shri Vishal Kumar Dev. Senior representatives from partnering organisations—including Dr. Satyapriya Rath, Managing Director, GRIDCO; Shri Prasant Choubey, President, Avaada; Shri Vivek Jaiswal, Executive Vice President, ReNew; and Prof. Chandrashekhar N. Bhende, Dean (Sponsored Research & Industrial Consultancy-In-Charge); Prof. Subhanshu Ranjan Samantaray, Principal Investigator; and Prof. Umaprasana Ojha, Co-Principal Investigator from IIT Bhubaneswar—were also present on the occasion.

These collaborative initiatives collectively reinforce IIT Bhubaneswar’s commitment to driving renewable energy research, innovation, and large-scale deployment, advancing Odisha’s and India’s leadership in sustainable energy solutions.

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