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Government of India/ Bharat Sarkar  
Ministry of Power/ Vidyut Mantralaya  
(T&R Section)

2nd Floor, F-Wing, Nirman Bhawan,  
New Delhi, Dated the 07<sup>th</sup> June, 2023

### **OFFICE MEMORANDUM**

**Subject: Mission on Advanced and High-Impact Research (MAHIR) on the latest and emerging technologies in energy sector– reg.**

Advanced and high-impact research on the latest and emerging technologies related to energy sector are an immediate necessity. In order to stay ahead in the rapidly advancing world of innovation, it is crucial to quickly identify emerging technologies and develop the technologies indigenously, at scale, for deployment within and outside India. Such technologies will serve as the main fuel for the economic growth in future and make India a manufacturing hub of the World. Accordingly, Ministry of Power & Ministry of New and Renewable Energy have planned for end-to-end development of advanced technologies to make the future power system in India robust and advanced so that India takes the lead in the disruptive technologies in the Power Sector, as to ensure self-reliance in meeting our energy needs with wide societal and commercial benefits.

2.1 In order to address the immediate necessity, Ministry of Power and Ministry of New and Renewable Energy have decided to jointly set up a National Mission on advance and high-impact research (MAHIR) on the latest and emerging technologies in energy sector initially for a period of five (5) years from 2023-24 to 2027-28.

2.2 **Objectives of the Mission** - The objectives of the Mission are as under:

- To identify emerging technologies/areas of future relevance for the energy Sector and take up indigenous end-to-end development of the relevant technologies.
- To seed, nurture and scale up scientific, industrial R&D and to create vibrant & innovative ecosystem in the energy Sector of the country.
- To provide a common platform for energy Sector Stakeholders for collective brainstorming, synergistic technology development and devising pathways for smooth transfer of technology.
- To indigenize, develop and demonstrate world-class advanced/disruptive technologies for the energy Sector in a time bound and collaborative manner.