Department of Science & Technology
International Division

An India-Singapore Joint call for proposals in the Area of "Advanced Materials and Energy" was advertised in September 2013. 68 common project proposals were received against the joint call for which last date was 15th November 2013. Based on scientific merit, national priority of both the countries and scientific strengths of the project coordinators, Department of Science & Technology and ASTAR Singapore have jointly decided to support following 5 proposals. The duration of the project would be for 3 years. Project coordinators are being informed separately to complete administrative formalities for release of DST grant.

SI No.	Title	Indian Coordinator	Singapore Coordinator
1.	Flexible and High Performance Perovskite based Solar Cells on Graphene Electrodes	Dr. Manu Jaiswal, Department of Physics, IIT Madras, Chennai	Prof. Loh Kian Ping, Department of Chemistry, National University of Singapore, Singapore
2.	Crystalline Porous Nanomaterials and Membrane Composite/Hybrid for Water Purification	Dr. Rahul Banerjee, CSIR-National Chemical Laboratory, Pune	Dr. Jianwen Jiang, Department of Chemical and Biomolecular Engineering, National University of Singapore, Singapore
3.	Porphyrin, chlorin and isophlorin based near-infrared dyes for high-efficiency dye-sensitized solar cells: an inspiration from the nature	Dr. V.G.Anand, Indian Institute of Science Education and Research, Pune	Dr. Jie Zhang, Institute of Materials Research and Engineer, A*STAR, Singapore
4.	Soft active dielectric elastomers for human-motion-based energy harvesting	Dr. Karali Patra, Indian Institute of Technology Patna, Patna.	Dr. Koh Soo Jin Adrian, Department of Mechanical Engineering, National University of Singapore, Singapore.
5.	Nucleate boiling on passive and active flexible micro-structured surfaces	Dr. Amitabh Bhattacharya, Department of Mechanical Engineering, IIT Bombay, Mumbai	Dr. Tuan Tran, School of Mechanical & Aerospace Engineering Nanyang Technological University, Singapore