Government of India
Ministry of Science &Technology
Department of Science & Technology
(International Cooperation Division)

In pursuant to the Agreement between the Government of Australia and the Government of Republic of India on Co-operation in the fields of Science and Technology on 15th October 1986, the Department of Industry, Science, Energy and Resources (DISER) of the Australian Government and Department of Science and Technology (DST) launched a joint call of AISRF Round-15 in the areas of i) Artificial Intelligence and machine learning, (ii) New and Renewable energy technologies (particularly ultra-low-cost solar and clean hydrogen) and (iii) Urban mining and electronic waste recycling. The last date for submitting the proposals was 15 March 2023.

2. In response to the call, 42 common project proposals were received by both the sides. These were peer reviewed and ranked separately by Indian and Australian experts. After judicious assessment based on scientific strength, technical aspects, project objectives and national priorities of both the countries, Department of Science and Technology (DST), India and Department of Industry, Science, Energy and Resources (DISER) of the Australian Government have jointly decided to support the following 3 project proposals under S&T fund. Project Investigators are being informed separately to complete administrative formalities for release of DST grant.

List of selected Joint Research Projects

S. No.	Title of the Project	Indian PI Details	Australian PI Details
i.	Development of AI based monitoring platform for soil carbon sequestration	**Dr. R K Setia** Punjab Remote Sensing Centre (PRSC) Ludhiana, Punjab - 141004	**Dr. Budiman Minasny** The University of Sydney, NSW 2006, Australia
ii.	Sustainable recycling of critical metal from discarded mobile devices	**Prof. Kamal Kishore Pant** Indian Institute of Technology, Delhi, Hauz Khas, New Delhi - 110016	**Prof. Philip Kwong** University of Adelaide Adelaide, South Australia 5005 Australia
iii.	Affordable solar-thermal desalination by systems design with nanomaterials	**Dr. Chandramouli Subramaniam** Indian Institute of Technology, Bombay, Mumbai - 400076, Maharashtra	**Prof. Mainak Majumder** Monash University, Wellington Rd, Clayton VIC 3800, Australia

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