

2019-2020

Sl. No.	File No.	Project Title	PI Name, Address & Contact No.	Duration	Project Cost
1.	DST/TMD/MES/2k1 8/02	High Performance Aqueous Redox Flow Batteries based on Redox Active Polymers and Janus membranes	Dr.Bijay Prakash Tripathi IIT, Delhi	36 months	Rs. 4839085
2.	DST/TMD/MES/2k1 8/17	Oxynitride-composites based low weightsupercapacitor unit materials enhancement and device development	Dr.Tiju Thomas IIT Madras	36 months	Rs. 3598560
3.	DST/TMD/MES/2k1 8/23	Vertically oriented grapheme nanosheetsongraphite for high specific capacitance ultracapacitor electrode	Dr.Anupam Shukla IIT Delhi	36 months	Rs. 5007788
4.	DST/TMD/MES/2k1 8/25	Development of high energy density Lithium ion capacitor with graphite/carbon aerogel electrodesthrough safe prelithiation method	Dr.StanlyJacob.K CMET,Thrissur	36 months	Rs. 7862000
5.	DST/TMD/MES/2k1 8/26	Fabrication and Demonstration of All-solid-stateHigh Performance Flexible Supercapacitor Device	Dr.Debabrata Pradhan IIT Kharagpur	36 months	Rs.4088560
6.	DST/TMD/MES/2k1 8/28	2D Material Informatics for Lithium ion Storage	Prof.Santanu Mahapatra IISc, Bangalore	36 months	Rs.9504000
7.	DST/TMD/MES/2k1 8/33	Development of nanostructured mixed metal oxideand metal chalcogenide materials based effectiveelectrodes and their use in supercapacitor devices	Dr.Sasanka Deka University of Delhi	36 months	Rs.5782000

8.	DST/TMD/MES/2k1 8/36	Prof. Ramesh Chandra IIT, Roorkee	Prof. Ramesh Chandra IIT, Roorkee	36 months	Rs.9537900
9.	DST/TMD/MES/2k1 8/68	Dr.Rik Rani Koner IIT, Mandi	Dr.Rik Rani Koner IIT, Mandi	36 months	Rs.5168422
10.	DST/TMD/MES/2k1 8/82	Integrated Self-powered Energy Storage System	Dr. N. Lakshminarasimhan CSIR-CERI, Karaikudi , Tamilnadu	36 months	Rs.5321112
11.	DST/TMD/MES/2k1 8/107	High energy density sodium-ion batteries using alluaudite and mixed- polyanionic class of cathode materials	Dr.PrabeerBarpanda IISc, Bangalore	36 months	Rs.6940080
12.	DST/TMD/MES/2k1 8/111	Studies on the Strength and Durability of ZnONanowire / T1000 Carbon / Epoxy Composites forFlywheel Energy Storage	Dr. S Gowthaman IIITDM, Chennai	36 months	Rs.4125000
13.	DST/TMD/MES/2k1 8/124	Sulphur Nanoparticles Reinforced Hierarchical Assemblies of Carbon Nanotubes for Efficient Lithium-Sulphur Batteries	Dr.Shahab Ahmad IIT, Jodhpur	36 months	Rs.8686828
14.	DST/TMD/MES/2k1 8/126	Earth Abundant Metal Based Electrode Materialsfor Energy storage applications	Prof. Ashok Kumar Ganguli IIT Delhi	36 months	Rs.6472828
15.	DST/TMD/MES/2k1 8/135	Design and Development of MXenesenabledCarbon nanostructured materials for Li-S batteries	Dr.Kuldeep Singh (CSIR-CECRI) Chennai	36 months	Rs.6215200
16.	DST/TMD/MES/2k1 8/139	Mitigating Dendrite Growth using EngineeredElectrolyte Layers for the Development of High Energy Density, Long Cycle Life Lithium Batteries	Dr.Shanmugaraj AM VELS University Chennai	36 months	Rs.6443608

17.	DST/TMD/MES/2k1 8/157	Virtual energy storage based demand response algorithm to enhance the performance of the battery energy storage in smart grid	Dr. Vijayakumar Krishnasamy IIIDM, Chennai	36 months	Rs.2749000
18.	DST/TMD/MES/2k1 8/180	Facile synthesis and development of 3D-graphene/ WS2/oxydized-CNT nanohybrids as advanced electrode materials for high performance flexible supercapacitors.	Prof. Manab Kundu SRM Institue Of Science And Technology (Formerly Srm University , Tamilnadu	36 months	Rs.5507640
19.	DST/TMD/MES/2k1 8/182	Design and Development of 2-D SnS based nanostructures coupled with plasmonic Sn nanosheets for supercapacitor applications	Dr. Anita R Warriar Academy Of Maritime Education And Training, Tamil Nadu	36 months	Rs.3696000
20.	DST/TMD/MES/2k1 8/188	Development of Low Cost, Long Cycle Life Sodium-ion Batteries for Grid Energy Storage	Dr.Premkumar Senguttuvan JNCASR, BANGLORE	36 months	Rs.6036120
21.	DST/TMD/MES/2k1 8/193	Design and Testing of Robust and Flexible 3D Printed Electrodes with Novel Porous Architecture Guided by Graph Theory and Molecular Simulations for High Energy Density Applications	Prof.Mithun Radhakrishna IIT, Gandhinagar	36 months	Rs.6510240
22.	DST/TMD/MES/2k1 8/194	Indigenous polymer electrolyte membranes forenergy devices: redox flow battery and reverse electro dialysis	Dr.Rajaram Krishna Nafgarale Central Salt And Marine Chemicals Research Institute, Gujarat	36 months	Rs.5022000
23.	DST/TMD/MES/2k1 8/225	Computational Design and Experimental development of Na-ion Battery Materials and Technology	Dr.Shantikumar Nair Centre for Nanosciences, Amrrita Vishwa Vidyapeetham, Kochi	36 months	Rs.8331200

24.	DST/TMD/MES/2k1 8/50	High-Performance Graphene-Based Supercapacitors	Dr. Nirmalya Ballav, IISER Pune	36 months	Rs.7228205
25.	DST/TMD/MES/2k1 8/54	Design, Development and Demonstration of 1kW 1kWh Vanadium Redox Flow Battery for Stationary Application	Dr. Anil Verma, IIT Delhi	36 months	Rs.1447096 3
26.	DST/TMD/MES/2k1 8/141	Development of Lithium ion Battery Module from recycled battery materials for stationary applications	Dr. Manjusha V. Shelke, CSIR-NCL, Pune	36 months	Rs.2961964
27.	DST/TMD/MECSP/2 K17/07	DST-IIT Delhi, Energy Storage Platform on Batteries	<ul style="list-style-type: none"> • Dr.SuddhasatwaBasu (Lead PI), Department of Chemical Engineering, IIT Delhi (Lead Institute). <p>The centre consortium consists of four partner institutes:</p> <ul style="list-style-type: none"> • Prof.AnindaJiban Bhattacharyya (IISc, Bengaluru), • Dr.Rajalakshmi Natarajan (CFCT, ARCI-Chennai), • Dr. R. N. Basu (CSIR CGCRI, Kolkata) • Dr.Vatsala Rani J. 	60 months	Rs.1087570 00

			(IICT-CSIR, Hyderabad), <ul style="list-style-type: none"> • Dr.MamtaMahapatra (CSIR-IMMT). 		
28.	DST/TMD/MECSP/2 K17/20	DST-IISc Energy Storage Platform on Supercapacitors	<ul style="list-style-type: none"> • Dr. Naga Phani B Aetukuri (Lead PI), Solid State and Structural Chemistry Unit, Indian Institute of Science, Bangalore (Lead Institute). <p>The centre consortium consists of four partner institutes:</p> <ul style="list-style-type: none"> • Dr.Surendra K Martha (IIT Hyderabad), • Dr.KothandaramanRamanujam (IIT Chennai), • Dr.AiswaryaBhaskar (CERI, Karaikudi) • Dr.PerumalElumalai (Pondicherry University) 	60 months	Rs.99981372