

2018-19

SI No.	File No.	Title	PI Name & Institution Address	Project duration	Project Cost
1.	DST/TMD/MECSP/2K17/14	DST – IIT Bombay Energy Storage Platform on Hydrogen	Dr. Pratibha Sharma IIT Bombay	60 months	Rs. 8,66,15,320
2.	DST/TMD/MECSP/2K17/50	DST – NFTDC Centre for Materials & Energy Storage Platforms – H ₂	Dr. K Balasubramanian NFTDC, Hyderabad	60 months	Rs. 8,56,50,000
3.	DST/TMD/MES/2k17/02	Development of Ni/Co/Mn/MWCNTs based Nano composites as positive electrode and low cost 'Green' carbon obtained from bio-wastes as negative electrode materials for hybrid supercapacitors	Dr.KathyayiniNagaraju Jyothy Institute of Technology, Tataguni, Off Kanakapura Road, Bangalore	24 Months	Rs. 55,18,480
4.	DST/TMD/MES/2k17/04	An innovative strategy to enhance energy (>70 Whkg ⁻¹) and power densities (>10,000 Wkg ⁻¹) of flexible asymmetric supercapacitor fabricated with hybrid electrodes	Prof. C. D. Lokhande D.Y. Patil University, Kolhapur	24 Months	Rs. 45,73,760
5.	DST/TMD/MES/2k17/05	Inkjet printed electrodes of Graphene oxide- Metal oxide hierarchical nanostructured nanocomposites for improved energy density and power density thin film flexible supercapacitors	Dr. Shantanu Bhattacharya IIT Kanpur	24 Months	Rs. 36,24,005

6.	DST/TMD/MES/2k17/11	Nano-engineered high power Li-ion battery materials and prototype device fabrication to deliver a capacity of 500 mAh	Dr.DhamodaranSanthanagopalan Amrita Centre for Nanosciences and Molecular Medicine	24 Months	Rs. 57,09,000
7.	DST/TMD/MES/2k17/17	Chemical functionalization of Si and Ge with 2D materials such as MoS ₂ , WS ₂ , g-C ₃ N ₄ , B/N doped graphene, BN: Anode materials for lithium ion battery with improved volumetric and reversible capacity and excellent cycling stability.	Dr.Ramakrishnappa.T BMS institute of Technology &Mangement, Bangalore	18 Months	Rs. 47,49,800
8.	DST/TMD/MES/2k17/27	Highly-Active, Durable Electro-catalyst for Inexpensive Iron-Air Rechargeable Battery for Large Scale Energy Storage	MaiyalaganThandavarayan SRM University	18 Months	Rs. 33,55,000
9.	DST/TMD/MES/2k17/32	Graphene Protected Si Nano-Spheres (interconnected) for Developing High Energy Density Li Ion Battery	Dr.IndrajitMukhopadhyay PanditDeendayal Petroleum University	24 Months	Rs. 44,00,000
10.	DST/TMD/MES/2k17/39	Development of high energy and high power density fuel cell supercapacitor	Dr. Raghu Subash Vels Institute of Science, Technology and Advanced Studies (VISTAS	24 Months	Rs. 66,88,000
11.	DST/TMD/MES/2k17/41	Coaxially cast, hierarchically assembled, water-proof electrochemical supercapacitor for self-sustainable wearable electronics.	C. Subramaniam IIT, Bombay	24 Months	Rs. 67,74,680

12.	DST/TMD/MES/2k17/44	Cascaded Latent Heat Storage (CLHS) for high temperature CSP applications material development and characterization to lab-scale setup	ProdyutRanjan Chakraborty IIT Jodhpur	36 Months	Rs. 58,44,520
13.	DST/TMD/MES/2k17/61	Development of Solid State Super Capacitor Using Novel electrode materials.	Dr. Mahesh Padaki Jain University	36 Months	Rs. 53,57,080
14.	DST/TMD/MES/2k17/66	Development of new Mg-S Battery Chemistry and Electrodes through Synthesis, Characterization, and Simulations	Dr.SagarMitra IIT Bombay	36 Months	Rs. 74,39,520
15.	DST/TMD/MES/2k17/88	Design and development of bio-based novel liquid crystalline conductive electrodes and electrolytes for high performing flexi-energy storage devices	Dr.Saju Pillai CSIR-National Institute for Interdisciplinary Science and Technology	36 Months	Rs. 47,63,760
16.	DST/TMD/MES/2k17/99	Multilayer-Structured High-Energy-Density Dielectric Polymer Nanocomposite Capacitors for Pulse Power Applications	Dr.Dipankar Mandal, Institute of Nano Science and Technology (INST), Mohali – 160062 Punjab	36 Months	Rs. 44,02,450