

Title	Project Type	Client/ Sponsor	<u>Period</u>
CSIR-CECRI's Testing Platform For Energy Storage Devices	FC	CSIR	
Design and development of printable face shield to protect from COVID -19	-	CSIR	1 Year
Functional bio-degradable polymers with antibacterial properties for tissue engineering applications	-	CSIR	
Tailoring the graphene reinforced PEEK composite based filament for 3D printable aerospace structural components	-	CSIR	
CSIR Innovation Centre for Next Generation Energy Storage Solutions	MM	CSIR	2 Years
Fabrication of 12 V, 500 F supercapacitor device assembly	FTT	CSIR	2 Years
Refurbished Activated Cathode Material from Spent Lithium-Ion Batteries: A Direct Approach Towards Renewable Feed Stock	FFT	CSIR	2 Years
Redox Flow Batteries for Renewable Energy Storage Applications	GAP	SERB, DST	
Development and in-operando diagnostic of Zinc bromine flow batteries	GAP	SERB, DST	
Tailoring of 3D printable hybrid polymer electrolyte with enhanced thermal stability for high performance lithium ion battery	GAP	DST-SERB	3 Years
Degradation Mechanisms in Lithium-ion Batteries	GAP	SERB	3 Years
DST-IISc Energy Storage Platform on Supercapacitors	GAP	DST	5 Years
EMD samples for Li ion battery applications	SSP	CSIR-IMMT	
Design and development of bimetallic nanomaterials for green and sustainable energy resources: Fuel cells	GAP	DST Nanomission	
Design and Development of MXenes enabled carbon nanostructured materials for Li-S batteries	GAP	DST	3 Years
Exploring Alternative Materials for Anode of Lithium Ion Battery by First Principles Calculations	GAP	DST-SERB	3 Years
Photolabile nanoprobes for light induced delivery, imaging, phototherapy, chemotherapeutics and neurogenic disorders	GAP	DST-SERB	3 Years
Fabrication of symmetric/asymmetric high energy density supercapacitor in non-aqueous electrolytes using bio-derived carbon/carbon nanocomposites	GAP	DST-SERB	3 Years
Development of Visible Light Active Functional Materials for Efficient Photocatalytic and Photoelectrocatalytic Generation of Hydrogen	GAP	DST, HFC-Call	3 Years
Integrated Self-powered Energy Storage System	GAP	DST, MES-Call	3 Years
Design and development of bimetallic nanomaterials for green and sustainable energy	GAP	DST Nano Mission	

resources: Fuel cells.			
Performance analysis and evaluation of 12 sets of lead acid batteries as per IS 16270 Specification	SSP	Exide Kolkatta	
Performance evaluation & ANALYSIS of LEAD ACID batteries as per IEC 61427	SSP	Duracell Bangalore	
Identification of composition and design of reserve battery	SSP	Tunga Services Pvt.Ltd	10 Months
FAILURE MODE ANALYSIS OF LITHIUM ION 18650 CYLINDRICAL CELL	SSP	TVS Motor Company	10 Months
Perylene-C Coating thickness optimization on LFM & SOV Spools	SSP	Godrej Aerospace, Mumbai	6 Months
Performance evaluation of 51.8 V/32 Ah Lithium ion battery packs as per test specification /protocol given by client	TSP	M/s Ola Electric Mobility private Limited, Bangalore	
Cyclic Endurance performance of 12 /150 Ah tubular Battery as per IS 16270:2014 specification	TSP	M/s Beacon Systems. Cochin	9 Months
Battery performance evaluation as per IS 16270:2014 specification	SSP	M/s Exide Kolkata	2 Years
Evaluation of VRLA Telecom batteries as per customer specification	SSP	M/s Indus Towers	1 Year
Performance evaluation & ANALYSIS of LEAD ACID batteries as per IEC 61427		M/s Duracell	26 Months
Reactivated LiCoO ₂ from spent Lithium ion batteries: A Direct approach towards renewable feed stock	IHP	CSIR-CECRI	
Electrochemical performances of blended cathode materials with integrated structures for lithium ion batteries	IHP	CSIR-CECRI	
Simulation Algorithm for Battery Management System	IHP	CSIR-CECRI	
Fabrication of biopolymer based osteoplug using 3D polymer printing	IHP	CSIR-CECRI	
Development of 12V/100Ah battery pack for UPS	IHP	CSIR-CECRI	
Development of High Rate – High Capacity Lead Acid Battery Using Conventional Grid	IHP	CSIR-CECRI	