

Projects sanctioned till 2015

Title of Project	Institution	Name of PI	Date of Sanction	Sanctioned Cost	PDC
Analysis of Projectile impact problems	AMU, Aligarh	Dr Husain Abbas	22-Mar-99	4.00	3 Years
Gun Internal Ballistics studies for SFRJ	IIT (Madras)	Dr S. S. Gokhale	23-Mar-99	5.175	2 years
Computer simulation of projectile impact on plates	IIT (Delhi)	N. K. Gupta	30-Jun-99	15.60	3 years
Computational modelling of some Armt related systems	IPR, Bhat Gandhinagar	S. Chaturvedi	30-Jun-99	22.00	30 Months
Design & Development of Integrated Active Circular Antenna	SAMEER Mumbai	Dr B. K. Sarkar	30-Jun-99	9.90	18 months
Development of Explosive Pulsed Power Generator	IPR, Bhat	Shashank Chaturvedi	31-Aug-99	17.80	2 years
Synthesis Characterisation and Evaluation of Azido Polymers as High Energy Binders	IIT (Delhi)	Prof. I. K. Varma	29-Dec-99	17.50	2 years
Technology Development of Ferrocene Grafted HTPB and synthesis & performance Evaluation of Burn Rate Modifier Compatible with Fuel binder Binder of HTBP Propellants	MRC RD University, Jabalpur	Prof. S. K. Nema	24-Mar-00	20.78	3 Years
Neural Network Modelling of Range Performance of Armament Stores	IIT, Kanpur	Dr S. C. Raisinghani	27-Jun-00	6.20	2 years
Modelling of Plasma Propellant Interactin for Projectile Acceleration	IISc, Bangalore	Prof. T. S. Sheshadri	03-Jul-00	5.70	2 years
Dev of new Procedures for Determination of Exploive of Trace Levels by Adsorptive Square wave Stripping Voltametry	Alagappa University	Dr H. Gurumallesh Prabu, Reader	20-Jul-00	8.30	2 years
Design, Evaluation & Synthesis of High Energy Polynitropoly-Cyclic Cage Compounds	NCL, Pune	Dr Ganesh Pandey	29-Aug-00	24.50	3 Years
Development of Computer Code for Modelling of Optimising EFP Design with Parabolic Lines	IPR, Bhat Gandhinagar Gujrat	S. Madhavan	12-Sep-00	4.00	10 months
DSP Design for FMCW Radar	Walchand College of Engg	Mrs. S. D. Apte	10-Oct-00	4.10	1 year
Synthesis of Hydroxy Terminated Poly (Butadine)-Poly (GA) Copolymers as New High Energy Propellant Binders	SK Univesity Ananthapur	Prof. K. Mohana Raju	06-Nov-00	6.02	2 years
Formulation of ammonia Perchlorate Propellants with Plateu Biplatue Burning rate Trends	IIT Madras	Dr S. R. Chakravarthy	14-Nov-00	9.80	2 years
Design and Development of Integrated Digital Mocrowave Receiver	SAMEER Mumbai	Mrs. K Nirmala, Scientific Officer -SE	21-Nov-00	23.70	2 years
Air Driven Alternator	HBL Nife PS Ltd Hyderabad	Shri G. K. Rao, Director	04-Jan-01	9.80	18 months
Synthesis and Charcterisation of Energetic Polymers for Composite Solid Propellants	IISc, Bangalore	Prof. Charlie Ommen, Senior Scientific Officer	08-Jan-01	3.29	20 months
Sensitivity analysis of FMCW Height Sensing Systems	MBT Pune	Dr J. Gowri Krishna, Head	31-Jan-01	20.50	8 months
Beam Shaping using Phase only mask at Fractional Fourier Transform Plane	University of Calcutta	Dr Ajai Ghosh, Reader	07-Feb-01	8.41	18 months
Development of laser based flash Shadow Photographic System for TerminalStudies of Small Arms and Ammunitions (SAA)	CSIO	Dr Gautam Mitra	16-May-01	24.75	2 years
Development of Neurton Based System for Detection and Analysis of Explosive	Pune University	Dr V. N. Boraskar	12-Jun-01	13.36	2 years
Study to develop lithium Intercalated cabon electrodes and assess its property for high voltage lithium cells	Algappa University	Dr G. Paruthimal Kalaiganan, Reader	29-Jun-01	8.80	18 months

Assessment of Working environment exposure in the handling of explosive/ non explosive chemicals for remedial measures	LMRC, Pune	Dr V. G. Vaidya	26-Jul-01	6.50	1 year
Synthesis of AluminiumMatrix Composites using solidification process for Armour Applications	RRL Bhopal	Dr S Das, Sc'E-II'	12-Sep-01	13.67	2 years
Model for Detonation of Energetic Materials and Orientation Sensitivity of shock Initiation	Punjab University	Prof. V. K. Jindal	29-Oct-01	6.32	2 years
Modeling, Simulation & Characterisation of Silicon based Submicron Semiconductor devices for devices for higher design reliability	University of Delhi (South Campus)	Dr R. S. Gupta	09-Jan-02	24.74	3 Years
Study, analysis and implementation of DSP algorithm for FMCW Height Sensing System	M/s MBT Pune	Dr. J. Gowrikrishna	09-Jan-02	23.50	8 months
Electro deposition of Magnetic Multi layers with High Giant Magneto resistance	IIT, Kanpur	Prof. Rajiv Shekhar	27-Sep-02	9.56	3 Years
PZT Thick Film Actuators	C-MET, Thrissur	Dr V Kumar, Scientist 'E'	08-Oct-02	9.51	2 years
Development of Novel Class of Materials for Antenna having Automatic Beam Steering Property	Cochin University	Dr Rani Joseph	08-Oct-02	9.58	3 Years
Computation of flows around discarding sabot using CFD technique	IIT, Kanpur	Prof. Tapan K. Sengupta	19-Feb-03	9.62	18 months
Aerodynamic parameter estimation of artillery projectiles from radar tracked flight data	IIT, Kanpur	Dr A. K. Ghosh	20-Feb-03	7.20	2 Years
Development of nitration methodology including microwave mediated approaches for the synthesis of advance high energy materials	North Maharashtra University, Jalgaon	Dr P.P. Mahulikar	07-Apr-03	4.99	2 Years
Studies of high performance insensitive explosives	DDU Gorakhpur University	Dr Gurdip Singh	23-Apr-03	6.94	2 Years
Up-gradation of trisonic wind tunnel facilities	IIT, Kanpur	Dr Abhijit Kushari, Asst. Prof.	25-Apr-03	22.84	2 Years
Synthesis, characterization & evaluation of dendritic azido polymers as high energy binders/plasticizers	IIT, Delhi	Dr (Mrs) Veena Chaudhary, Prof & Head	14-May-03	5.77	2 Years
Organo-phosphorus polymeric additives for rocket propellant inhibitor/liner applications	Anna University, Chennai	Dr P Kannan, Asst. Prof.	14-May-03	9.20	2 Years
Wide band antenna and RF front end for transceiver module	SAMEER, Mumbai	Mrs. K. Nirmala	26-May-03	10.00	6 months
Effect of weld metal mismatch on fatigue and fracture toughness behaviour of armour steel joints	Annamali University	Prof Dr V Balasubramanian	02-Jun-03	9.77	3 Years
Low and medium velocity impact of projectiles on laminated plates	IIT, Chennai	Dr R. Velmurugan	01-Jul-03	14.83	3 Years
Development of simulation driven design tools for efficient armour design	IISc, Bangalore	Prof Anindya Deb	14-Aug-03	5.00	3 Years
Characterization of nano aluminium powder for combustion in solid propellants	IIT, Chennai	Sh S.R. Chakraborty	03-Dec-03	9.48	2 Years
Two dimensional simulation of slapper detonators	IPR, Gandhinagar	Sh. Aditya V. Majalee, Scientist	03-Dec-03	9.00	1 Year
Plasma Antenna for Communication and radar	Behrampur University	Dr Subhendra Kumar Dash	04-Dec-03	3.09	3 Years
Design and development of 50 KJ electrical pulse demonstrator compulsator	IISc, Bangalore	Prof. TS Sheshadri	31-Dec-03	23.80	1 Year
Design of metal selective chelating polymers for use in explosives	Delhi University	Dr R.K. Sharma	29-Dec-03	3.505	1 year

Development of technology for recovery, reuse, safe & eco-friendly disposal and common explosives	Pune University	Prof Vikram S Ghole	29-Apr-04	4.50	2 Years
Synthesis of polynitro compounds promising HEM	Pune University	Mrs Radhika S Kusurkar, Prof. in Organic Chemistry	23-Jul-04	8.92	1 year
Feasibility Study of Nano Aluminium in HTPB and DOA Matrix	Pune University	Dr Anjali Kshirsagar	18-Aug-04	7.22	1 Year
Feasibility study of Antijam GPS receiver for GPS guided weapons	IIT, Kharagpur	Prof. Ajay Chakrabarty	15-Sep-04	9.70	18 months
Dev of ANN basd propagation models for Mobile communication	NIT, Rourkela	Prof. G. Panda, Pi & Head	27-Oct-04	9.37	2 Years
Preparation of Super-hard nano-composite coatings of Transition Metal Nitrides (Ti-Si-N)	IIT, Roorkee	Dr (Mrs) Devinder Kaur, Prof.	30-Dec-04	9.97	2 Years
Aerodynamic study of Lattice Fins using wind tunnel testing for high angle of manoeuvre of strategic aircraft bomb	IIT, Kanpur	Dr A. K. Ghosh	18-Mar-05	9.37	2 Years
Study on trajectory correction system using impulse jet to reduce the impact point dispersion	IIT, Kanpur	Dr. AK Ghosh	21-Mar-05	8.1075	2 Years
Development of High efficiency and high density electric power conversion system	CEERI, Pilani	S.D. Perlekar, Scientist 'F'	22-Mar-05	9.97	2 Years
Benchmark experiment on confined and unconfined explosive driven shock propagation	IISc, Bangalore	Prof. G Jagdeesh	22-Mar-05	9.775	2 Years
Studies on performance and process parameters for bulk-micro machining of micro sensors for armament applications	Pune University	Prof. (Ms.) S. A. Gangal	19-May-05	9.95	2 Years
Environment detection assessment and response system	PSG College of Technology, Coimbatore	Dr S. Suresh Kumar	19-Jul-05	13.73	21 Months
Design and development of wide band micro strip antenna for s/c band	IT, BHU	Prof. S. P. Singh	19-Jul-05	27.12	2 Years
Microwave Remote Sensing for Buried Object Detection and its Shape Recognition	IIT, Roorkee	Dr Dharmendra Singh	21-Jul-05	9.27	2 Years
Development of Automatic Target Detection Algorithms using Multi-resolution techniques	Mepco Schlenk Engineering College, Sivakasi	Dr S. Arivazhagan, Head of the Dept.	21-Jul-05	9.98	2 Years
Survivability of plate/shell panel structures/structural components under impact loads	SERC, Chennai	Shri J. Rajasankar	28-Jul-05	14.90	2 Years
Plasma Arc Data Generation for ETC Cartridge Design	IISc, Bangalore	Prof. TS Shesadri	23-Aug-05	22.64	15 months
Simulation Studies on Doped Polycrystalline Pressure Sensors	IT, BHU, Varanasi	Prof. S. K. Balasubramanian	23-Aug-05	22.43	2 Years
Amorphous Carbon-Polymer Composites for EMI Shielding and ESD Applications	IISc, Bangalore	Dr Prasad Vishnu Bhotla	23-Aug-05	18.49	2 Years
Development of Smart Materials Based on Phase Transformation and Domain Polarization for use as Pressure-Sensitive Switch in Armament Applications	CEERI, Pilani	Dr. PK Khanna	01-Sep-05	9.94	2 Years
Use of composites for high speed rotor construction for pulse power applications	RV College of Engg., Bangalore	Dr S. C. Sharma, Principal	01-Oct-05	18.55	2 Years
ASIC Control for AC Servo Motor Drive for Military Applications	RV College of Engg., Bangalore	Dr R Nagaraj	14-Oct-05	9.98	2 Years
Studies on High-Power Microwave Devices for Directed Energy Weoponery	IT, BHU	Prof. P.K. Jain	20-Oct-05	9.90	2 Years

Development of Human Powered Electrical Generator for Portable Electronic Equipment	CEERI, Pilani	Dr. SD Perlekar	27-Jan-06	8.00	2 Years
Development of Computational Model and Simulation for Optimization of Penetration of Segmented Projectiles using Hydrocodes	RV College of Engg., Bangalore	Dr M Krishna, Asst. Prof.	02-Feb-06	8.90	2 Years
Laser Assisted Deposition of Thermal Barrier Coatings on Missile Casings	RV College of Engg., Bangalore	Dr H N Narasimha Murty	13-Mar-06	9.97	2 Years
PZT Microactuators	C-MET, Thrissur	Dr. V. Kumar	28-Apr-06	14.72	2 Years
Design optimization of 50KJ compulsator	IISc, Bangalore	Prof. TS Sheshadri	04-Jul-06	9.98	1 Year
Studies on odour sensors and discrimination techniques– an approach to E-nose	CET, Moradabad	Prof. S. K. Srivastava	07-Nov-06	21.94	2 Years
Synthesis of nano-dimensional energetic materials and investigation of their oxidation behaviour	Pune University	Dr (Mrs) S.V. Boraskar	09-Nov-06	6.99	2 Years
Aerodynamic characterization of projectiles with wrap around fins	IIT, Kanpur	Dr Abhijit Kushari	10-Nov-06	9.93	2 Years
Synthesis and Analytical Application of Polynitrate Macro-Cycles as Chemical Sensor	IIT Roorkee	Dr Ashok Kumar Singh	15-Dec-06	9.96	3 Years
Tungsten Nanopowders for Kinetic Energy (KE) Penetrators	RV College of Engg	Prof. M. S. Krupashankar	07-Feb-07	9.89	1 year
Design of high energetic materials via experimental electron density method	Periyar University	Dr P Kumardhas	26-Feb-07	6.58	1 year
Study and development of MMW passive sensor for off route mine applications	Babu Banarasi Das National Institute of Technology & Management, Lucknow	Prof. V B Mathur	18-Jun-07	9.97	2 Years
Development of magnetic field sensors based on metallic multilayers with high magnetoresistive sensitivity	IIT, Kanpur	Prof. Rajiv Shekhar	22-Oct-07	22.65	2 Years
Green Chemistry approach for the synthesis of high molecular weight energetic polymers over solid acid catalysts	Manonmaniam Sundaranar University, Tamilnadu	Dr C Kannan	22-Jan-08	8.00	2 Years
Development of 1 kj ETC cartridge prototype	IISc, Bangalore	Prof. T.S. Sheshadri	28-Jan-08	22.45	18 Months
Development of Non Lead Perovskites for Device Applications	TM Bhagalpur University, Bhagalpur	Prof. S. N. Choudhary	01-Feb-08	9.85	3 years
Development of Aluminium metallic foam for heat exchanger fins for electronic panel applications	RV College of Engg, Bangalore	Prof. Dr R. S. Kulkarni	19-Feb-08	9.93	2 years
Automation of wire explosion process and the basic study on impact of binary gas on generation of nano-aluminium particles	IIT, Chennai	Dr R. Sarathi	20-Feb-08	22.64	2 years
Synthesis of novel siloxane and carbosiloxane sorbents for explosive sensors	IICT, Hyderabad	Dr M Sridhar, Scientist E1	17-Mar-08	24.99	3 years
Fabrication of SMA/PZT hetero-structure film for smart system	IIT, Roorkee	Dr (Mrs) Devinder Kaur	25-May-08	9.89	3 years
Damage assessment of structural concrete due to impact of projectiles	SERC, Chennai	Shri G.S. Palani. Asst. Director	30-Jun-08	21.00	2 years
Enhancement of Ballistics performance of Armour steel welds by plasma transferred ARC hard facing interlayer	Annamalai University	Prof. V. Balasubramanian	30-Jun-08	19.04	2 years

Development and study of polymer composites for efficient EMI shielding property at microwave frequencies	Cochin Univesrity	Dr C. K. Anandan, Reader	12-Aug-08	15.67	2 years
An inverstigation on the detection of electron deficient aeromatic compounds : design, synthesis and study	Vidya Sagar University	Dr Braja Gopal Bag, Reader	12-Aug-08	5.86	1 year
Synthesis characterisation and thermal studies of 1,2,3,4-tetranitro-6-aryal-1,2,4,5-tetrazinan-3-ones/ thiones and 1,2,3,4-tetranitro-6-aryl-1,2,4,5-tetrazinanes	Annamalai University	Prof. Dr M. Gopalkrishanan	25-Aug-08	9.97	2 years
An experimental study of Supersonic Flow over two and three Dimentional Slender Bodies with moving surface protabances	IIT, Kanpur	Dr Brijesh Eshpuniani, Asst. Prof.	03-Sep-08	14.70	3 Years
Experimental Studies on Explosive Driven Micro Blast	IISc, Bangalore	Dr G. Jagadeesh	03-Sep-08	15.53	2 years
Fabrication and characterization of Composite Tubes for Gun Barrel Applications using Filament Winding Techniques	RV College of Engineering, Bangalore	Dr R. Suresh	17-Oct-08	9.90	2 years
Design and Development of Landmine Detection System using Wireless Sensor Network for Military Applications	Avinashilingam University for women, Coimbatore	Dr G. Padmavathi, Prof. & Head	17-Oct-08	13.24	2 Years
Process Development of super-capcitive model (>500 F/g) using polyanline multielectrodes	Shivaji University, Kolhapur	Dr V. J. Fulari	17-Oct-08	24.91	2 Years
Adaptive Texture Representations Methods for Automatic Target Detection using Neural Network	RV College of Engineering, Bangalore	Dr G. Shobha	20-Oct-08	9.96	2 Years
Design and Evaluation of different control strategies for upgrading existing aircraft bombs to guided bombs	Indian Institute of Technology, Kanpur	Prof. A.K. Ghose	11-Nov-08	18.20	2 Years
Development of Noval Multiferroic Nanomaterials for sensor and actuator applications	National Chemical Laboratory, Pune	Dr Pankaj Poddar	22-Jan-09	9.68	2 Years
Synthesis and characterization of Alumium metal matrix functionally graded armour materials reinforced with zircon sand	Thaper University, Patiala	Prof. O.P. Pandey	22-Jan-09	20.00	3 Years
Design of High Energetic Materials : A combined Molecular Modelling and electron Density Analysis Approach	Periyar University, Salem	Dr P Kumardhas	22-Jan-09	22.75	3 Years
Development and Evaluation of Novel Nanostructured Ionic Conductors for Low Temperature Solid-State Secondary Battery Applications	Indian Institute of Technology, Kharagpur	Dr A. K. Thakur, Asst Prof.	18-Mar-09	52.56	3 Years
Feasibility study on Development of High performance Mica Reinforced Peek for Defence Application	Shriram Institute For Industrial Research, Delhi	Dr R. K. Diwan, Sr. Asst. Director & Chief	21-Apr-09	9.80	1 Year
Development of Algorithms for improved Accuracy in DGPS Measurements using Digital Signal processing tools	R. V. College of Engineering, Bangalore	Prof. K. A. Simithra Devi, Prof. & Head	01-May-09	5.88	2 years
Detection and Tracking of Foreign Military Tanks and Vehicles using Wireless Sensor Networks	Avinashilingam University for Women, Coimbatore	Dr G. Padmavathi , Prof. & Head	03-Jun-09	10.38	2 years
Design and development of environmentally benign strategy to decompose hydrazine and their derivatives	Indian Institute of Science, Bangalore	Dr Kandikere Ramaiah Prah, Senior Scientific Officer	15-Jun-09	9.98	2 years

Development of Advanced Experimental and simulation Techniques for Design of FRC components under Impact loading	Indian Institute of Science, Bangalore	Dr Anindya Deb, Prof	26-Jun-09	42.92	3 Years
Development of smart Polymeric material and its use in Armaments application	Shriram Institute For Industrial Research, Delhi	Dr R S Halder, Asst, Director & Cheif	26-Jun-09	24.85	2 years
Development of Nano-Fluids with Enhanced Thermal Conductivity	Shriram Institute For Industrial Research, Delhi	Dr Amita Malik, Asst Director & Chief	01-Jul-09	24.98	2 years
Spatial adaptive array processing algorithms for interference cancellation in GPS receivers	PES Institute of Technology, Bangalore	Dr. Koshy George	06-Aug-09	7.13	18 Months
Development of Soft Magnetic Materials from Nano Dispersion of Magnetic Particles for High Frequency Applications	IIT, Kharagpur trnsfred to IIT, Chennai	Dr. V. Srinivas, Professor	02-Sep-09	36.56	3 years
Enhancement of Ballistic Performance of Armour Grade Aluminium Alloys by Plasma Transferred ARC Hardfacing	Andhra University Engineering College (A), Visakhapatnam	Prof K. Srinivasa Rao	02-Sep-09	21.04	3 Years
Development of Low-Cost remote Health Monitoring System for civil/ Mechanical/Aerospace Structures using Piezoceramic sensors	Indian Institute of Technology, Hauz Khas, New Delhi	Dr. Suresh Bhalla, Asst. Prof., PI	26-Feb-10	9.58	2 Years
Enhancing Ballistic Performance of Armor Welds using Carbide-Free Bainite Fillers	Indian Institute of Technology (Madras), Chennai	Dr.G.D. Janaki Ram, Asst. Prof., PI	26-Feb-10	9.48	2 Years
Development & Characterization of Nanophosphors for Strategic Applications	Indian Institute of Technology Bombay, Powai, Mumbai	Dr. Mayuri Gandhi, Research Scientist, PI	23-Mar-10	35.30	3 Years
Synthesis and Crystal Growth of Highly Required Nonlinear and Electro-optic Materials (DAST)	BHU, Varanasi	Dr Rama Nand Rai, Reader, PI	17-May-10	24.96	3 Years
Development of LTCC Hotplate for Sensor Application	CEERI, Pilani	Dr P. K. Khanna, Sc, 'F'	02-Jul-10	29.60	2 Years
Optimization and standardization of the Human Powered Electric Generator	CEERI, Pilani	Shri SD Perlekar, Sc, 'F,	08-Jul-10	7.70	2 Years
3D Magnetic Field sensor using Flux-Gate and Hall Effect Sensing Techniques for Low Magnetic Fields	B. S. Abdur Rahman University, Chennai	Dr. K. N. Srinivas, Professor	20-Jul-10	8.90	2 Years
Low Loss and High Shock Absorbing Potting Materials for Microwave Applications	B. S. Abdur Rahman University, Chennai	Dr. S.S.M. Abdul Majeed, Asst. Prof., PI	21-Jul-10	8.15	2 Years
Development of Novel Raman Spectroscopic Techniques Like SERS and SORS for Detection of Explosives	IISc, Bangalore	Prof. S. Umapathy	21-Sep-10	297.27	3 Years
Experimental and Numerical Investigations of the Ballistic Resistance of Ductile Targets Subjected to Oblique Impact by Sharp Nosed Projectiles	IIT, Roorkee	Dr. Mohd. Ashraf Iqbal, Asst Professor	28-Feb-11	23.02	3 Years
Visual Detection of Electron Deficient Aromatic Compounds	Vidyasagar University, Midnapore	Prof. Braja Gopal Bag	28-Feb-11	16.64	2 Years
Development and characterization of Polycarbonate and glass CNT with Specific Reference to Energy Absorption and Pressure Sensing Characteristics	UIET, Panjab University, Chandigarh	Prashant Jindal, Asst. Prof	28-Feb-11	15.95	3 Years
Shock mitigation using tapered granular alignment	C-MMACS, NAL, Banglore	Sh. T.R. Krishna Mohan	31-Mar-11	22.488	2 years

Development of new field developable electrochemical sensor for the detection of commercial explosive using carbon nano tube modified electrodes	Sri Nandhanam College of Engg & Tech , Tamilnadu	Dr. N. Senthil kumar	19-Apr-11	11.880	2 years
Nanocomposite Films-Preparation, Characterization and their Application as Hydrogen Gas Sensor	U.I.E.T., Panjab University, Chandigarh	Dr J.K. Goswamy	28-Sep-11	22.450	3 Years
Synthesis and Characterization of Nanostructured Energetic Materials	SSG Punjab University, Hoshiyarpur	Dr. Aman Kaura, Assistant Professor	28-Sep-11	19.987	3 Years
Tailoring the Properties of Aluminium/Carbon Nanotubes/ High Energy materials Nanocomposites for explosives components	NIT, Hamirpur	Dr. Vimal Sharma,	31-Oct-11	24.840	3 years
Development of Eco-friendly Methods, Novel Catalysts and Reagents for the Synthesis of High Energy Materials	North Maharashtra University, Jalgaon	Dr. Dipak S. Dalal	31-Oct-11	17.918	2 years
Synthetic Routes towards Energetic Ionic Liquids as Low Melting as low melting explosives and alternative green synthetic routes for HEM	Pune University	Mrs. Radhika S Kusurkar	31-Oct-11	24.808	2 years
Photocatalytic Degradation of High Energy material waste by using Nanosize Catalyst System	North Maharashtra University, Jalgaon	Dr Nilesh D. Wagh	23-Nov-11	10.998	2years
Process Development for large scale preparation of P-quinol Ether Resin and Epoxy Hydanation Resin	CLRI, Chennai	P.T. Perumal, Scientist 'G'	01-Feb-12	9.90	1 Year
Energetic Low Melting Ionic Salts and Metal Complexes: Design, Synthesis and Structural Studies of Nitrogen Rich Heterocycles for Application as HEDMs	BHU, Varanasi	Dr Satyaen Saha, Asstt Proff	02-Apr-12	24.70	2 years
Synthesis and Characterization of pure and doped nanostructured BiFeO ₃ for magneto-electric applications	Veltech University, Chennai	Dr S Gokul Raj, Associate Proff	20-Jun-12	25.73	3 Years
Friction Stir Welding of AA7075 Thick Plates for Heavy	Tagore Engg College, Chennai	Dr SR Koteswara Rao	20-Jun-12	14.03	2 years
Hyper Velocity impact induced deformation of the target-projectile system	IIT, Ropar	Dr Navin Kumar, Asstt Prof,	23-Jul-12	35.98	3 years
Broad-Band Micro-Strip Patch Antenna for Proximity Sensor Artillery Shells	MKSSS Cummins College, Pune	Prof SV Kulkari, HOD	25-Jul-12	15.00	2 years
Design & Synthesis of Poly-nitro Mono-Poly Cyclic Aromatic & Hetero Compounds and their studies as Energetic Materials	DTU, Delhi	Dr Ram Singh, Asstt Prof	25-Jul-12	12.93	2 years
An Experimental Investigation of Flow Field around Shaped Blockages for Application in flame to Detonation transition	IIT (Madras), Chennai	Dr Amit Kumar, Associate Prof	25-Jul-12	11.64	2 years
Supermolecular high energetic compounds: Synthesis, Characterization and theroretical studies	IIT, Mandi	Dr Subrata Ghosh, Asstt Prof	27-Jul-12	36.05	3 years
Development of Porous Aluminium foam materials for blast miotigation	Thaper University, Patiala	Dr. O.P. Pandey	06-Sep-12	17.24	3 years
Novel Routes for Nanocrystallisation of Energetic Compounds	IIT, Mandi & NIT, Hamirpur	Dr. Prem Felix	16-Jan-13	55.20	3 years
Performance Based Probabilistic Capacity Models for Concrete Structures subject to Blast Loading	IIT, Guwahati	Dr. Hrishikesh Sharma	18-Apr-13	21.56	3 years

Charecterization of High Strain Rate Behaviour of Rocks and its Application in Blast Loading on Underground Structures	IIT, Delhi	Dr. Tanusree Chakraborty	30-Jul-13	40.25	3 years
Absorption studies of laser light in nanostructured metallic thin films and nano particles for laser initiation of high explosives	IIT, Roorkee	Dr. Ramesh Chandra	08-Jan-14	32.20	3 years
An experimental characterization of Grain size effects on nano-sized piezoelectric ceramics	IIT, Madras	Dr. A. Arockiarajan	08-Jan-14	23.25	2 years
Launcher POD Optimized Weight and Configuration Using Non-Linear Finite Element Analysis	DIAT, Pune	Dr. Shashi Kanta	27-Jan-14	2.76	06 months
Specialized Antenna for Communication Through Metallic Enclosures	IIT, Kharagpur	Dr. Bratin Ghosh	14-Mar-14	25.33	09 months
Studies on STF-Nanoclay Based Composites for Personal Armour Systems	Thapar University, Patiala	Dr. Rajeev Mehta	14-Mar-14	29.71	3 years
Facile synthesis, characterization and thermal studies of CL-20 and some nitro tetrazoles	Annamalai Univ	Prof. M. Gopalkrishnan	14-Mar-14	26.47	2 years
Modeling and simulation related to signal processing and noise filtering	IIT, Bombay	Prof. Bijan Bandopadhyay	26-Jun-14	9.43	2 years
Metal Mediated Synthesis of Nitroaromatics, Nitroolefins and Nitroalkanes	IIT, Bombay	Prof. Debarata Maiti	04-Jul-14	39.5	3 years
Development and Delivery of aero-elasticity software of spinning projectiles	MIT, Pune	Dr. Shiv Prakash Barve	04-Jul-14	24.9	1 year
Investigation of Heating of Objects using Liquid Fuel Pool Fires for Optimizing a Fast Cook-off Test Setup	IIT, Madras	Dr. V. Raghavan	27-Nov-14	12.57	2 years
Flux growth of $Pb(Mg_{1/3}Nb_{2/3})O_3-PbTiO_3$ (PMNT) single crystals for piezoelectric and pyroelectric applications	Delhi University	Dr. Binay Kumar	02-Mar-15	77.10	3 Years
Design and development of Compact Electric Drive for Various Applications	Sethu Institute of Technology, Kariapatti	Dr. M. Santhi	06-Apr-15	16.46	3 Years
Analysis and Development of Numerical algorithms and Computational Code for blast detonics	IIT, Madras	Dr. Prasad Patnaik B.S.V	23-Apr-15	33.005	3 Years
development of a prototype for defusing and dismantling of time expired ammunitions with abrasive water jets	IIT, Madras	Dr. N. Ramesh Babu	23-Apr-15	46.16	3 Years
Near net shape components through automated selective inhibition sintering process for small armament applications	Vel Tech RR Dr SR, Chennai	DR.E. Balasubramonian	11-Jun-15	25.55	2 Years
Development of lead-free piezoelectric $0.94NaO.5TiO_3-0.06BaTiO_3$ single crystals for sensor applications	SSN College of Eng, Tamilnadu	Dr. G Anandha Babu	13-Jul-15	50.25	3 Years
Bench scale & pilot scale development of polytetrazole binders: poly (2-methyl-5-venyl tetrazole)	Sriram Inst, Delhi	Dr. Geetha Seshadri,	15-Jul-15	99.2	18 months
Development of process for the preparation of epoxy-terminated	CSIR-NCL, Pune	Dr. P Wadgaonkar	02-Sep-15	54	1 year
Experimental Investigation of Impact Initiation of Sound / light emitting pyrotechnic compositions	NIT, Trichi	Dr. SP Sivapirakasam	15-Dec-15	32.18	3 Years
numerical investigation of penetration characteristics of performed fragments at various obliquity angles	DIAT, Pune	Sh. Mahesh M.S.	23-Dec-15	17.71	2 Years