

SPONSORED RESEARCH PROJECTS, NIT HAMIRPUR HP (Year wise 2017-18, 2016-17, 2015-16, 2014-15)

Sr. No.	Final Year	Name of Faculty (Principal Investigator)	Name of Funding Agency	Title of the Project	Sanctioned order no.	Sanctioned date	Amount Received (In Rupees)	Amount Received (Words)
1	2017-18	Dr. R. K. Vats, Dept. of Mathematics	CSIR	Solution of various forms of differential and integral equations through concept of fixed point theorems	25(0268)/17/EMR-II	28/06/2017	Rs. 5,87,667/-	(Rupees Five Lac Eighty Seven Thousand Six Hundred Sixty Seven Only)
2		Dr. Bharti Gaur, Chemistry Dept.	DST	Manufacture of Pine needle based fiberboards/ particleboards	DST/SST P/HP/481	18/05/2017	Rs. 40,77,935/-	(Rupees Forty Lacs Seventy Seven Thousand Nine Hundred Thirty Five Only)
3		Dr. Hemant Kumar Vinayak (PI-I) & Dr. R. K. Dutta (PI-II), CE Dept.	Municipal Corporation Shimla	Identification, plan and Development of Post-earthquake safe shelter for Shimla City	MCS/JC/CRM/2017-2897	17/07/2017	Rs. 4,95,000/-	(Rupees Four Lacs Ninety Five Thousand Only)
4		Dr. Santosh B. Bopche, MED	SERB	Effect of surface protrusions on the collection efficiency of a solar cavity receiver	ECR/2017/000225	03/08/2017	Rs. 9,16,970/-	(Rupees Nine Lakh Sixteen Thousand Nine Hundred And Seventy Only)
5		Dr. Ashwani K Rana (PI), Dr. Rajeevan Chandel (Co-PI) E&CED & Dr. Pamita Awasthi (Co-PI) Chemistry Dept.	HIMCOST E	Study and development of smart e-system for crop protection from monkeys	SCSTE/F(8)-1/2016-Vol.-1/3822	12/10/2017	Rs. 7,00,000/-	(Rupees Seven Lac Only)

6	2017-18	Dr. Chandrasekaran S, EED Dr. Ashwani Kumar (Co-PI) EED, Dr. Zakir Hussain (Co-PI), EED & Dr. Sumati (Co-PI) IIT Roorkee	CSIR	Rapid and precise detection of grid voltage amplitude and phase for low-voltage ride-through capability in PV systems	22(0754)/17/EMR-II	10/10/2017	Rs. 12,53,500/-	(Rupees Twelve Lac Fifty Three Thousand Five Hundred Only)
7		Dr. Amit Kaul (PI) & Dr. Ravinder Nath (Co-PI), EED	HIMCOST E	Automatic recognition of dialects of Himachal Pradesh	SCSTE/F (8)-1/2017-5082	28/12/2017	Rs. 4,65,000/-	(Rupees Four Lac Sixty Five Thousand Only)
8		Dr. Shashi Kant Sharma (PI) & Dr. Vijay Shankar Dogra (PI) CED	HIMCOST E	Application of Wollastonite micro fiber reinforced self-compacting concrete as concrete overlay for rehabilitating District & Village Roads in Himachal Pradesh	SCSTE/F (8)-1/2017-5088	28/12/2017	Rs. 5,05,200/-	(Rupees Five Lac Five Thousand Two Hundred Only)
9		Dr. Manoj Sharma, M&H Dept.	Indian Council of Social Science Research	Determinants of volatility in farm income, prices and yields of Apple: An Empirical study of Himachal Pradesh, India	02/204/2017-18 /RP/ Minor	29/12/2017	Rs. 4,00,000/-	(Rupees Four Lac Only)
10		Dr. Rajeshwar Singh Banshtu, CED	DST	Maintenance/Operation of Demonstration Project on Geothermal Energy of Heating Space in chumathang, Laddakh	NRDMS/02/49/017 (G)	15/02/2018	Rs. 16,98,000/-	(Rupees Sixteen Lacs Ninety Eight Thousand Only)

11		Dr. Hemant K Vinayak, CED	Disaster Management Cell, Hamirpur	RVS study of important buildings of Hamirpur District	DCH/Relief/MD-212	06/02/2018	Rs. 2,40,000/-	(Rupees Two Lac Forty Thousand only)
12		Dr. Mohit Pant, MED						
13		Dr. Krishan Kumar, ECE	SERB	Cooperative Uplink-Downlink Carrier Aggregation in LTE and Wi Fi in unlicensed spectrum for 5G system	EEQ/2017/000592	23/03/2018	Rs. 46,38,000/-	(Rupees Forty Six Lacs Thirty Eight Thousand Only)
14		Dr. Santosh B. Bopche, MED	HIMCOST E	Solar Thermal Collection efficiency improvement using multistaging of parabolic dish collector	SCSTE/F(8)-1/2017-R&D	29/03/2018	Rs. 5,35,000/-	(Rupees Five Lac Thirty Five Only)
15		Dr. Krishan Kumar, ECE (Mentor), Ms. Amandeep Kaur, PI	DST	Brain-empowered dynamic spectrum management for cooperative cognitive radio networks	SR/WOS-A/ET-52/2017	20/02/2018	15 Lakh (approx.)	Financial Sanction awaited
1	2016-17	Dr. Ajay Singh, E&CED, NITH	Science and Engineering Research Board (SERB), New Delhi.	Physical Layer Security of Cognitive Radio Networks	SERB/F/1488/2016-17	18/06/2016	Rs. 4,14,700/-	(Rupees Four Lac Fourteen Thousand Seven Hundred Only)
2		Dr. Rohit Dhiman AP, E&CED, NITH	Science and Engineering Research Board (SERB),	Ultra Low Power Performance Investigation in Carbon Nanotube based interconnects	SERB/F/2597/2016-17	28/07/2016	Rs. 5,07,090/-	(Rupees Five Lac Seven Thousand ninety Only)

			New Delhi.					
3		Dr. Radhe Shyam AP, Chemical, NITH	Science and Engineering Research Board (SERB), New Delhi.	Flow and Heat Transfer over Corrugated Tube Placed in Non-Newtonian Power-law Fluid in Presence of Magnetic Field	SERB/F/4073/2016-17	14/09/2016	Rs. 11,68,360/-	(Rupees Eleven Lacs Sixty Eight Thousand Three Hundred Sixty Only)
4	2016-17	Dr. Rajesh Kumar Sharma, Mathematics, NITH	Science and Engineering Research Board (SERB), New Delhi.	Numerical Investigations of some momentum and Heat Transfer Problems in Complex Nanofluids	SERB/F/4542/2016-17	26/09/2016	Rs. 6,87,350/-	(Rupees Six Lac Eighty Seven Thousand Three Hundred Fifty Only)
5		Dr. Pardeep Kumar, CED, NITH	State Council of Science, Technology & Environment (SCSTE) H.P.	Providing safer Infrastructure in Hazard Prone Areas of Himachal Pradesh	SCSTE/F(8)-1/2016-Vol.-1/5512	18/10/2016	Rs. 4,05,000/-	(Rupees Four Lac Five Thousand Only)
6		Dr. Amrit Kumar Roy, AP, CED, NITH	State Council of Science, Technology & Environment (SCSTE) H.P.	Wind Energy Conservation for Domestic usage in Himachal Pradesh	SCSTE/F(8)-1/2016-Vol.-1/5515	18/10/2016	Rs. 2,00,000/-	(Rupees Two Lac Only)
7	2016-17	Dr. Gargi Khanna, E&CED, NITH	State Council of Science, Technology & Environment	Automation in Vision Testing	SCSTE/F(8)-1/2016-Vol.-1/5584	19/10/2016	Rs. 2,35,000/-	(Rupees Two Lac Thirty Five Thousand Only)

			(SCSTE) H.P.					
8	Dr. Vandana Sharma & Dr. Aniket Sharma, Deptt of Arch. NITH	State Council of Science, Technology & Environment (SCSTE) H.P.	Improving compressive strength and durability properties of adobe for propagating sustainable and cost effective mass housing especially in rural areas of different districts of HP	SCSTE/F (8)-1/2016-Vol.-1/5519	18/10/2016	Rs. 3,18,900/-	(Rupees Three Lac Eighteen Thousand Nine Hundred Only)	
9	Dr. Naveen Chauhan, CSED, NITH	State Council of Science, Technology & Environment (SCSTE) H.P.	Post disaster communication recovery using integrated mobile adhoc network	SCSTE/F (8)-1/2016-Vol.-1/5592	19/10/2016	Rs. 3,31,500/-	(Rupees Three Lac Thirty One Thousand Five Hundred Only)	
10	Dr. H.K Vinayak, CED	SSA RMSA	Developing upgraded model of school structure in Rural Areas through existing innovative developed concepts	HPSES-SIEMAT-SSA-R/C-7/2016-(NIT)-417	24/08/2016	Rs. 2,86,000/-	(Rupees Two Lacs Eighty Six Thousand Only)	
11	Dr. Vijay Shankar, CED	Ministry of Earth Sciences, New Delhi	Sustaining Himalayan Water resources in a changing climate (SusHi-Wat)	MoES/NERC/IA-SWR/P3/10/2016-PC-II (ii)	18/01/2017	Rs. 39,09,400/-	(Rupees Thirty Nine Lacs Nine Thousand Four Hundred Only)	
12	Dr. RS Banshtu, CED	State Council of Science, Technology & Environm	Seismic Evaluation, repair and strengthening of masonry building in	SCSTE/F (8)-1/2016-Vol.-1/-9299	04/03/2017	Rs. 3,47,000/-	(Rupees Three Lac Forty Seven Thousand Only)	

	2016-17		ent (SCSTE) H.P.	Dharamshala H.P.				
13		Sh. Sunil Sharma, CED	State Council of Science, Technology & Environment (SCSTE) H.P.	Application of Geospatial technologies in the development of scientific approach to prioritize upgradation of roads constructed under PMGSY in HP	SCSTE/F (8)-1/2016-Vol.-1/-9301	04/03/2017	Rs. 75,000/-	(Rupees Seventy Five Thousand Only)
14		Dr. Leela Manohar Aeshala, Chemical Engg.	SERB	Development of Amine Functionalized Polymer Electrolytes for reduction of CO ₂ to Fuel	ECR/2016/001340	28/02/2017	Rs. 19,00,000/-	(Rupees Nineteen Lacs Only)
15		Dr. Somesh Kumar Sharma, MED	State Council of Science, Technology & Environment (SCSTE) H.P.	Study on Healthcare Solid Waste Management Practices in H.P.	SCSTE/F (8)-1/2016-Vol.-1/-9308	04/03/2017	Rs. 2,39,000/-	(Rupees Two Lac & Thirty Nine Thousand Only)
16		Dr. Moh. Adil & Dr. Vivel Tiwari, Dept. of Management & Humanities	ICSSR, New Delhi	The Synergetic effect of financial factors and public promotion programme on export performance : An empirical examination of small and medium –Sized Enterprises	02/244/2016-17/RP	30/03/17	Rs. 2,80,000/-	(Rupees Two Lac Eighty Thousand Only)

17	Dr. Vivek Tiwari & Dr. Moh. Adil, Dept. of Management & Humanities	ICSSR, New Delhi	Linking Human Resource Management & Environmental Performance : The Role of organization Citizenship Behavior for the Environment	02/190/2016-17/RP	30/03/17	Rs. 3,20,000/-	(Rupees Three Lac Twenty Thousand Only)
18	Dr. Tapas Palai, AP, Chemical Dept.	SERB	Water Treatment for Removal of chromium and Arsenic by Microbial Followed by Adsorption: Sustainable Solution with Minimum Environmental Impact	ECR/2016/001844	23/03/2017	Rs. 24,80,000/-	(Rupees Twenty Four Lacs Eighty Thousand Only)
19	Dr. Pamita Awasthi (Scientist Mentor) & Ms. Manu Vatsal (RS-PI) Chemistry Dept.	DST	Synthesis, characterization , biological & computational study of series of 1-[1-oxo-3-phenyl-2-(benzosulfonamide)-propylamido]-anthracene-9, 10 dione analogs- Anthraquinone based anticancer drugs	SR/WOS -A//CS-1030/2015(G)	21/03/2017	Rs. 11,50,000/-	(Rupees Eleven Lacs Fifty Thousand Only)
20	Dr. RS Banshtu, CED	Ministry of Science GOI, DST	Developing GIS based regional landslide inventory and probabilistic model for risk assessment of	NRDMS/11/1939/012(G)	12/07/2016	Rs. 2,29,132/-	(Rupees Two Lac Twenty Nine Thousand One Hundred

				Kullu valley for effective landslide hazard management				Thirty Two Only)
21		Dr. Rajeevan Chandel (PI) Dr. Ashwani K. Rana (Co-PI), E&CED	DeitY, MeitY	SMDP-C2SD Project	9(1)/2014/MDD(Vol.III)	19/11/2015	Rs.15,95,000 /-	(Rupees Fifteen Lacs Ninety Five Thousand Only)
22		Dr.(Mrs.) Veena Sharma, EED	CSIR, New Delhi	Optimal Automatic Generation Control of Interconnected Power Systems Using Meta Heuristic Approaches.	22(0692)/15/EM R-II	18/06/2015	Rs. 72,500/-	(Rupees Seventy Two Thousand Five Hundred Only)
1.	2015-16	Dr. Varun, MED	Science and Engineering Research Board (SERB), New Delhi.	Effect of Apex Angle on Heat Transfer and Friction	SR/FTP/ETA-109/2011	19/09/2015 up to 13/03/2016	Rs. 1,50,000/-	(Rupees One Lac & Fifty Thousand Only)
2.		Dr. Sandhya Dwevedi, Chemical Engg.	Govt. of India Ministry of Science & Technology DST New Mehrauli Road NewDelhi	Development of a sensitive Giant Magneto-Impedance magnetometer	SR/WOS-a/pm-1013/2014 (G)	13/5/2015	Rs. 27,88,000/-	(Rupees Twenty Seven Lacs Eighty Eight Thousand Only)
3.		Dr.(Mrs.) Veena Sharma, EED	CSIR, New Delhi	Optimal Automatic Generation Control of Interconnected Power Systems Using Meta	22(0692)/15/EM R-II	18/06/2015	Rs. 4,91,000/-	(Rupees Four Lac Ninety One Thousand Only)

				Heuristic Approaches.				
4.	2015-16	Dr. Somesh Sharma, MED	Govt. of India Department of Science & Technology New Delhi	Drawing strategy canvas for the global trade of high technology products: study of Indian Decence Systems	DST/NST MIS/05/179/2014-15	06/05/2015	Rs. 11,43,393/-	(Rupees Eleven Lac Forty Three Thousand Three Hundred Ninety Three Only)
5.		Dr. Raj Kaushal, Chemistry Dept.	SERB Project	Designing, preparation, characteristics and antifroliferation activity of Titanium based drug	SB/EME &- 453/2014	10/03/2016	Rs. 11,00,000/-	(Rupees Eleven Lac Only)
6.		Dr. Rajeevan Chandel (PI) Dr. Ashwani K. Rana (Co-PI), E&CED	Deity, MeitY	SMDP-C2SD Project	9(1)/2014/MDD(Vol.III)	19/11/2015	Rs.94,09,000/- (Total outlay)	(Rupees Ninety-Four Lacs And Nine Thousand Only)
7.		Dr. R S Bansthu, CED	DST	Developing GIS based regional landslide inventory and probabilistic model for risk assessment of Kullu valley for effective landslide hazard management	NRDMS/11/1939/012(G)	29/5/2015	Rs. 4,00,000/-	(Rupees Four Lac Only)
8.		Dr. Narottam Chand, CSED	ISEA Phase- II PMU CDAC	ISEA Phase-II project	1(I)/ISEA - II/PMU/2015	07/12/2015	Rs. 36,60,000/-	(Rupees Thirty-Six Lacs And Sixty Thousand Only)
9.		Dr. Kuldeep Kumar Sharma	IUAC New Delhi	Effect of swift heavy ion irradiation on magneto transport	IUAC/XII I.7/UFR-51319/	05/02/2016	Rs. 1,34,737/-	(Rupees One Lac Thirty Four Thousand Seven

				properties of multilayers of CMR/high Tc superconductor /CMR thin films				Hundred Thirty Seven Only)
1.	2014-15	Prof. S.S. Chandel, CEEE	Ministry of Renewable Energy, New Delhi	Preparation of Master Plan/DPR for the development of National Institute of Technology Hamirpur HP as a Green Campus Township/ Campus	02/11/2014-15/SC	18/09/2014	Rs. 5,00,000/-	(Rupees Five Lac Only)
2.		Dr. Vinod Kapoor, E&CED	Ministry of Defense Sector 37 A Chandigarh	Energy Efficient Wireless Sensor Network Routing Protocol for Snow Bound Himalayan Region	CH/86104/SWSN/CARS	25/04/2014	Rs.4,47,000/-	(Rupees Four Lac Forty Seven Thousand Only)
3.	2014-15	Dr. Vimal Sharma, Physics Dept	DRDO	Tailoring the property of Aluminum/Carbon nanotubes/ high energy materials nano-composites for explosive component.	ARMREB/CDSW/2011/135	28/02/2015	Rs. 1,65,369/-	(Rupees One Lac Sixty Five Thousand Three Hundred Sixty Nine Only)
4.		Dr. Vimal Sharma, Physics Dept	DST	Tailoring the Property of Carbon Nano Tube Reinforced Nano Composite of AG and their Alloys for Micro Electronics	SERB/F/2379	22/07/2013	Rs. 1,66,000/-	(Rupees One Lac Sixty Six Thousand Only)
5.		Dr. H.K Vinayak, CED	Commissioner Municipal Corporati	Conducting Rapid visual survey (RVS) study of	MCS/CO MM/CR M-1343	19/04/2014	Rs. 3,50,000/-	(Rupees Three Lac Fifty

			on Shimla, HP	important buildings, transportation and communication system for Shimla city.				Thousand Only)
6.		Dr. SS Chandel, CEEE	MNRE Project	Establishment of RTC cum tech. backup unit for solar thermal device at NITH	7/1/2012-13/ST Dt 23/3/13	31/3/2015	Rs. 28,00,000/-	(Rupees Twenty Eight Lac Only)
7.		Dr. R. K. Vats, Mathematics Dept.	CSIR, Govt. of India	A Study of existence of fixed point for mapping in various spaces.	25 (0197)/11/EMR-II	03/07/2014	Rs. 37,519/-	(Rupees Thirty Seven Thousand Five Hundred Nineteen Only)
8.		Dr. V.S Dogra, CED	MOES	Mitigating climate change impact on India agriculture through improved irrigation water management under the changing water cycle UK-NERC/ Indian	MOES/NER C/16/02/10 pc-11	09/11/2011	Rs. 33,000/-	(Rupees Thirty Three Thousand Only)
9.		Dr. Kalyan Sunder Ghosh, Chemistry Dept.	SERB, DST, New Delhi	Inhibition of fibrillation of beta & gamma-crystallins	SB/FT/LS - 277/2012	01/04/2014 to 31/03/2015	Rs. 3,00,000/-	(Rupees Three Lac Only)
10.		Dr. Kuldeep Kumar Sharma	IUAC New Delhi	Effect of swift heavy ion irradiation on magneto transport properties of multilayers of CMR/high Tc	IUAC/XII I.7/UFR-51319/	21/07/2015	Rs. 2,00,134/-	(Rupees Two Lac One Hundred Thirty Four Only)

				superconductor /CMR thin films				
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