

Sponsored Research Projects, National Institute of Technology Hamirpur (HP)								
Sr. No.	PI/Co-PI	Funding Agency	Title of the Project	S. O. No.	Sanctioned Date	Amount Sanctioned (In Rupees)	Project Duration	Remarks
Financial Year: 2020-21								
1.	Dr. Veena Sharma (PI), Assoc. Prof. and Dr. Ram Naresh Sharma (Co-PI), Prof., DoEE	HIMCOSTE, Shimla	Model Predictive Controller based Automatic Generation Control of Interconnected Power System integrated with Renewable Energy Sources	STC/F (8)-6/2019 (R&D 2019-20)-385	24/06/2020	5,00,000/-	2 years	Ongoing
2.	Dr. Siddhartha Chauhan (PI), Assoc. Prof., DOCSE	HIMCOSTE, Shimla	Efficient Forest Fire Detection Mechanism using Wireless Sensor Networks	STC/F (8)-6/2019 (R&D 2019-20)-370	24/06/2020	5,60,000/-	2 years	Ongoing
3.	Dr. Subhadip Biswas (PI), AP and Dr. Sunil Sharma (Co-PI), AP, CED	HIMCOSTE, Shimla	Traffic safety assessment at horizontal curvature on hilly highways using lateral indiscipline based approach	STC/F (8)-6/2019 (R&D 2019-20)-381	24/06/2020	1,80,000/-	2 years	Ongoing
Financial Year: 2019-20								
1.	Dr. Vijay Shankar, Assoc. Prof. DoCE	Department of Bio-Technology Ministry of Science and Technology, New Delhi	Social-Economic-Environmental Trade-offs in managing the River-Land-Interface	BT/IN/TaSE/69/A A/2018-19	06/08/2019	79,41,560/-	2 years	Ongoing
2.	Dr. Manoj Sharma, AP, DoHSS	H.P. Institute of Public Administration, Shimla	Declining Sex Ratio in Border Districts of Himachal Pradesh	HIPA(Trg.)C-39/2019	19/08/2019 Extended up to 30/04/2020	2,09,000/-	120 days	Ongoing
3.	Dr. Manoj Sharma, AP, DoHSS	ICSSR, New Delhi	Bridging the Mountainous Divide through Digital Astuteness and Capacity Building of Rural Woman in HP	IMPRESS/P912/651/2018-19 /ICSSR	02/09/2019	7,35,000/-	2 years	Ongoing
4.	Dr. Vivek Tiwari, AP, DoMGT	ICSSR, New Delhi	Information Technology Stress and Productivity: A Case Study	IMPRESS/P912/651/2018-19 /ICSSR	19/09/2019	5,25,000/-	1 year	Ongoing
5.	Dr. Ram Naresh Sharma(PI), Prof. and Dr. Veena Sharma (Co-PI), Assoc. Prof., DoEE	CSIR, New Delhi	Solution Techniques to Unit Commitment Problems in Power System integrated with Renewable Energy Sources	22(0815)/19/EM R-II	02/12/2019	2,47,500 (1 st Installment)	3 years	Ongoing

Financial Year: 2018-19								
1.	Dr. I. P Singh, Project Coordinator, Dr. Puneet Sharma & Dr. Aniket Sharma, Members, Dept. of Arch.	European Commission, Research Executive Agency, Belgium	Building Resilient Urban Communities (BreUCom) in the Higher education Institution (HEI)	—	14/01/2019	1,38,76,169/- (€176541.60 * 78.60)	3 years	Ongoing
2.	Dr. Manoj Sharma, DoHSS	Tribal Development Department, Shimla	Prospects and Problems of Tribal Entrepreneurship in Himachal Pradesh	TBD.A(TDM) 8-2/2008-V	26/02/2019	3,00,000/-	1 year	Ongoing
3.	Dr. Bharat Bhushan Sharma (PI), EED	SERB, New Delhi	Synchronization in Complex Interconnected Network of a Class of Systems using Contraction Theory	CRG/2018/001414	27/03/2019	18,91,802/-	3 years	Ongoing
4.	Dr. Jai Prakash, Dept. of Chemistry	DST, New Delhi	Development of functionalized nanocomposite based high-performance nano-sensor	DST/INSPIRE/04/2015/002452	15/02/2016 (Mar-2019)	14,00,000/-	5 years	Ongoing (Transfer to NITH from IIT Kanpur)
Financial Year: 2017-18								
1.	Dr. R. K. Vats, Dept. of Mathematics	CSIR, New Delhi	Solution of various forms of differential and integral equations through concept of fixed point theorems	25(0268)/17/EMR-II	28/06/2017	5,87,667/-	3 years	Ongoing
2.	Dr. Bharti Gaur, Chemistry Dept.	DST, New Delhi	Manufacture of Pine needle based fiberboards/ particleboards	DST/SSTP/HP/481	18/05/2017	40,77,935/-	3 years	Ongoing
3.	Dr. Santosh B. Bopche, MED	SERB, New Delhi	Effect of surface protrusions on the collection efficiency of a solar cavity receiver	ECR/2017/000225	03/08/2017	9,16,970/-	3 years	Ongoing
4.	Dr. Chandrasekaran S (PI), Dr. Ashwani Kumar (Co-PI), Dr. Zakir Husain (Co-PI), EED & Dr. Sumati (Co-PI) IIT Roorkee	CSIR, New Delhi	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	12,53,500/-	3 years	Ongoing
5.	Dr. Rajeshwar Singh Banshtu, CED	DST, New Delhi	Maintenance/Operation of Demonstration Project on Geothermal Energy of Heating Space in chumathang, Laddakh	NRDMS/02/49/017 (G)	15/02/2018 to 15/08/2020	16,98,000/-	2 years	Ongoing
6.	Dr. Mohit Pant, MED	SERB, New Delhi	Numerical Simulation of Thermoelastic Fracture Problems using Element Free Galerkin Method	ECR/2017/000131	03/04/2017	16,38,230/-	3 years	Ongoing

7.	Dr. Krishan Kumar, ECE	SERB, New Delhi	Cooperative Uplink-Downlink Carrier Aggregation in LTE and Wi Fi in unlicensed spectrum for 5G system	EEQ/2017/00059 2	23/03/2018	46,38,000/-	3 years	Ongoing
8.	Dr. Santosh B. Bopche (PI) & Dr. Varun (Co-PI)MED	HIMCOSTE, Shimla	Solar Thermal Collection efficiency improvement using multistaging of parabolic dish collector	SCSTE/F(8)-1/2017-R&D	29/03/2018	5,35,000/-	2 years	Ongoing
9.	Dr. Krishan Kumar, ECE (Mentor), Ms. Amandeep Kaur, PI	DST, New Delhi	Brain-empowered dynamic spectrum management for cooperative cognitive radio networks	SR/WOS-A/ET-52/2017	20/02/2018	18,20,000/-	3 years	Ongoing
Financial Year: 2016-17								
1.	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	39,09,400/-	3 years	Ongoing
2.	Dr. Somesh Kumar Sharma (PI), MED & Dr. Vikas (Co-PI)	SCSTE, H.P.	A Study on Healthcare Solid Waste Management Practices in H.P.	SCSTE/F(8)-1/2016-Vol.-1/-9308	04/03/2017	4,78,000/-	2 years	Ongoing
3.	Dr. Tapas Palai, AP, Chemical Dept.	SERB, New Delhi	Water Treatment for Removal of chromium and Arsenic by Microbial Followed by Adsorption: Sustainable Solution with Minimum Environmental Impact	ECR/2016/00184 4	23/03/2017	42,52,600/-	3 years	Ongoing
4.	Dr. Pamita Awasthi (Scientist Mentor) & Ms. Manu Vatsal (RS-PI) Chemistry Dept.	DST, New Delhi	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	24,30,000/-	3 years	Ongoing
5.	Dr. Ashwani K. Rana (CI) E&CE Dept.	DeitY, MeitY, New Delhi	SMDP-C2SD Project	9(1)/2014/MDD(Vol.III)	15/05/2015	94,09,000/-	5 years	Ongoing
6.	Dr. Narottam Chand (CI), CSED & Dr. Ashwani K. Rana (Co-CI) E&CE Dept.	MeitY, Govt of India, New Delhi	Information Security Education and Awareness (ISEA) Project Phase-II	1(I)/ISEA-II/PMU/2015	13/05/2015	36,23,000/-	5 years	Ongoing