

F.Y. 2015-16

2015-16

# Department of Science & Technology Chandigarh Administration

Paryaran Bhawan, 1st Floor,  
Sector 19-B, Madhya Marg, Chandigarh

## ORDER

Sanction is hereby accorded under Rule 13 of the Delegation of Financial Powers Rules 1978, to release financial assistance amounting to **Rs.18,50,950/- (Rupees Eighteen lac fifty thousand nine hundred fifty only)** in the manner as shown below: -

Sr. No.	Name of the Institution	Amount sanctioned (Rs.)
1.	The Director, PGIMER, Chandigarh	7,46,950/-
2.	The Registrar, Panjab University, Chandigarh	6,70,000/-
3.	The Director, Govt. Medical College & Hospital, Sector-32, Chandigarh	84,000/-
4.	Post Graduate Govt. College for Girls, Sector-42, Chandigarh	50,000
5.	The Director, PEC University of Technology, Chandigarh	1,25,000
6.	The Director, Central Scientific Instruments Organization, Chandigarh	1,75,000
	<b>Total</b>	<b>18,50,950/-</b>

The complete details of the Research Projects, including the duration of the project and other details as follows: -

Sr. No.	Name, Address & Mobile No. of the Principal Investigator	Title of the Project	Duration of the project	Funds granted
A)	<b>Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh</b>			
1.	Dr. Rajendra Prasad, Professor & Head, Department of Biochemistry, PGIMER, Chandigarh	Genetic analysis of Cationic Trypsinogen and serine peptidase inhibitor-Kazal type genes in Chandigarh with Idiopathic Chronic Pancreatitis-Diagnostic and genetic implications	1 year	1,00,000
2.	Dr. Anjali Aggarwal, Assistant Professor, Department of Anatomy, PGIMER, Chandigarh	Analysis of immune inflammatory cells in primary knee osteoarthritis and its correlation with clinico-radiological findings	1 year	1,00,000
3.	Dr. Minakshi Rohilla, Additional Professor, Department of Obstetrics & Gynaecology, PGIMER, Chandigarh	Surgical site infection in Obstetrics and Gynaecology patients in a tertiary care centre	1 year	50,000 submission of previous U.C)

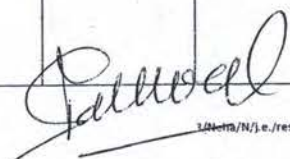




4.	Dr. Sourabh Dutta, Professor, Deptt. Of Pediatrics (Neonatology), PGIMER, Chandigarh,	Diagnostic accuracy of cell surface biomarkers (CD64, CD11b, HLA-DR) in late onset neonatal sepsis in preterm neonates	1 year	66,950
5.	Dr. R.K. Ratho, Professdr & Head, Department of Virology, PGIMER, Chandigarh,	Role of viral load and matrix metalloproteinase as a predictor of disease severity in respiratory syncytial virus associated acute lower respiratory tract infections in children	1 year	1,00,000
6.	Dr. Ashim Das, Professor, Room No. 504, Research Block-A, Department of Histopathology, PGIMER, Chandigarh,	To evaluate the role of inflammatory cytokines as potential biomarkers in prognosis of Activated B-Cell Phenotype'of diffuse large B- Cell Lymphoma	1 year	1,00,000
7.	Dr. Nusrat Shafiq, Associate Professor, Department of Pharmacology, PGIMER, Chandigarh	A drug utilization study to evaluate colistin based combination and colistin free regimens in infections caused by A. Baumannii	1 year	30,000
8.	Dr. Devi Dayal, M.D, Associate Professor, Deptt. Of Pediatrics, Advanced Pediatrics Centre, PGIMER, Chandigarh	A pilot study to identify true hypoferraemic iron deficient state in children with a high body mass index (BMI) using soluble serum transferrin receptor assay	1 year	50,000
9.	Dr. Ajay Duseja, Additional Professor, Department of Hepatology, Post Graduate Institute of Medical Education and Research (PGI), Chandigarh	Non invasive assessment of disease severity by glycoproteomics in patients with non-alcoholic fatty liver disease (NAFLD)	1 year	1,00,000
10.	Dr. Nidhi Bhatia, Assistant Professor, Department of Anaesthesia and Intensive Care, PGIMER, Chandigarh,	Postoperative analgesic efficacy of ultrasound guided ilioninguinal Iliohypogastric nerve block compared with medial transverse abdominis plane block in Inguinal hernia repair: A prospective randomized trial	1 year	50,000
<b>B) Panjab University, Chandigarh</b>				
11.	Dr. Vishakha Grover, BDS, MDS, Associate Professor, Department of Periodontics & Oral Implantology, Dr. Harvansh Singh Judge Institute of Dental Sciences & Hospitals, Panjab University, Chandigarh,	Exploring the association between Non Alcoholic Fatty Liver Disease (NAFLD) and Inflammatory Periodontal Disease in population of Chandigarh city	1 year	1,00,000



12.	Dr. Jaspreet Kaur, Biotechnology Branch, Sr. Asstt. Professor, UIET, Panjab University, Chandigarh	Identification and quantification of Polyaromatic hydrocarbons from samples (soil, food, water and milk) in and around Chandigarh	1 year	70,000
13.	Sh. Manoj Kumar Sharma, Associate Professor, Electrical and Electronics Engineering (UIET), Panjab University, Chandigarh,	Study of the effect of tilt angle on the power output of photovoltaic panels in Chandigarh using smart meter	1.5 year	3,25,000
14.	Dr. Santanu Basu, Assistant Professor, S.S Bhatnagar University Institute of Chemical Engineering and Technology (SSBUICET), Panjab University, Chandigarh	Swelling and release of bioactive ingredients from model gel systems under simulated gastric conditions	1 year	1,00,000
15.	Professor U.S Shivhare, SS Bhatnagar University Institute of Chemical Engineering & Technology (SSBUICET), Panjab University, Chandigarh,	Understanding the hygroscopicity and textural behaviour in mango leather during storage	1 year	75,000
<b>C) Govt. Medical College &amp; Hospital, Sector-32, Chandigarh</b>				
16.	Dr. Sukanya Mitra, MD, MAMS, Professor, Department of Anaesthesia & Intensive Care, GMCH, Sector-32, Chandigarh	Topical Vs. Intravenous tranexamic acid in preventing blood loss following hysterectomy : A randomised controlled study	1 year	40,000
17.	Dr. Raman Sharma, DMS, Déptt. Of Hospital Admn., Room No.204, Block-D, GMCH, Sector-32, Chandigarh	A vision for future energy: The need of hour	1 year	44,000 (A CoPI from technical field be opted)
<b>D) Post Graduate Govt. College for Girls, Sector-42, Chandigarh</b>				
18.	Dr. Neelam K. Sharma, Associate Professor in Zoology, Post Graduate Govt. College for Girls, Sector-42, Chandigarh	Diversity profile and distribution pattern of indian grey horn bill from chandigarh	1 year	50,000
<b>E) PEC University of Technology, Chandigarh</b>				
19.	Dr. Umesh Sharma, Civil Engineering Department, PEC University of Technology, Chandigarh,	Management of Parking in Chandigarh	1 year	1,25,000





F) Central Scientific Instruments Organization, Chandigarh				
20.	Dr. Neelesh Kumar, Senior Scientist, Biomedical Instrumentation Division, Central Scientific Instruments Organization, Sector-30, Chandigarh	Techniques for motor rehabilitation of cerebral palsy kids using virtual intelligence.  <u>(While considering this project Dr. Neelesh recused himself from the committee and other committee members evaluated the project, which was presented by CoPI/other team member of the project)</u>	1 year	1,75,000
			<b>Total</b>	<b>18,50,950</b>

The grants in aid shall be utilized for the purpose it has been sanctioned and within one year from the issue of sanction. No part of sanctioned amount shall be used for manpower creation/maintenance. No further extension, with or without additional funding, shall be granted, in any case/on any grounds. Further the final Report (5 Copies) along with a soft copy in CD using MS- Word software, Utilization Certificate and Audited Statement of Expenditure shall be submitted within one month, after completion of the project.

The expenditure shall be debited to the major Head "3425-Other Scientific Research; 60-Others; 004-Research & Development; 03-Management Information & Infrastructure; 030032 -Contribution" (Plan) during the financial year 2015-16.

Chandigarh dated  
30<sup>th</sup> July 2015

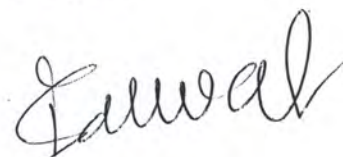
Santosh Kumar, IFS  
Director Science & Technology,  
Chandigarh Administration

No. S&T/Sanc/07/2015/ 738 - 743

Dated: 03.8.15

The copy is forwarded to the following for information and necessary action: -

1. A.G. (A&E), Punjab & Chandigarh, U.T. Sub Office, Chandigarh.
2. A.G. (Audit), Punjab & Chandigarh, U.T., Sub Office, Chandigarh.
3. Treasury Officer, Central Treasury, Sector-17, U.T, Chandigarh
4. Accounts Section, Deptt. of Science & Technology, U.T, Chandigarh.
5. Master File.
6. To all concerned Principal Investigators of the Projects.

  
Additional Director  
For Director (S&T)

F.Y. 2016-17



2016-17 (I)



# Department of Science & Technology & Renewable Energy, Chandigarh Administration.

Paryavaran Bhawan, 1st Floor, Sector 19-B, Madhya Marg, U.T., Chandigarh.

Tel.: +91-172-2703982 Fax: +91-172-2703968.

## ORDER

Sanction is hereby accorded under Rule 13 of the Delegation of Financial Powers Rules 1978, to release financial assistance amounting to **Rs. 11,47,500/- (Rupees Eleven Lakhs Forty Seven Thousand and Five Hundred only)** in the manner as shown below: -

Sr. No.	Name of the Institution	Amount to be sanctioned (Rs.)
1.	The Registrar, Panjab University, Chandigarh	1,65,000/-
2.	The Director, Govt. Medical College & Hospital, Sector 32, Chandigarh	5,37,500/-
3.	The Director, PEC University of Technology, Chandigarh	1,00,000/-
4.	PG Govt. College for Girls, Sector 11, Chandigarh	70,000/-
5.	National Institute of Technical Teachers Training and Research, Sector 26, Chandigarh.	2,00,000/-
6.	MCM DAV College for Women, Sector 36-A, Chandigarh.	75,000/-
<b>Total</b>		<b>Rs.11,47,500/-</b>

The complete details of the Research Projects, including the duration of the project and other details as follows: -

Sr. No.	Name & Address of the Principal Investigator	Title of the Project	Duration of the Project	Financial assistance recommended/ Remarks
<b>A) Panjab University, Chandigarh.</b>				
1.	Dr. Naveen Gupta, Deptt. of Microbiology, Panjab University, Chandigarh.	Analysing the Source/s of Bad Odor in Treated Water of STP/s of Chandigarh at various outlets and Standardizing Prototype Procedure/s for its Effective Removal.	1 Year	1,25,000/-
2.	Dr. Sonia Bhonchal Bhardwaj, Assistant Professor-cum-Principal Investigator, Deptt. of Microbiology. Dr. Harvansh Singh Judge *Institute of Dental Sciences & Hospital, Panjab University, Chandigarh.	Isolation of bacteriophages to Enterococci obtained from periodontitis patients in Chandigarh and their evaluation as a potential therapy.	1 year	40,000/-
<b>B) Govt. Medical College &amp; Hospital, Sector-32, Chandigarh.</b>				
3.	Dr. Deepak Sharma, Assistant Professor, Deptt. of Community Medicine, Govt. Medical College & Hospital, Chandigarh.	Impact of intervention on the HIV risk behaviour among injectable drug users in Chandigarh.	1 year	25,000/- P.I. to consult Project Director, State Aids Control Society, Chd.
4.	Dr. Dinesh Kumar Walia, Associate Professor, Deptt. of Community Medicine, Govt. Medical College and Hospital, Chandigarh.	Psychosocial and Reproductive Health Problems of Adolescents and Youths in Chandigarh.	1 Year	22,500/-
5.	Dr. Jasveer Singh, Associate Professor, Deptt. of Anesthesia & Intensive Care, GMCH, Sector 32, Chandigarh.	Comparison of effect of Phenylephrine, Norepinephrine and Mephentermine on Umbilical Arterial pH and maternal blood pressure during spinal Anaesthesia for Caesarean section.	1 year	40,000/-



6.	Dr. Meenal Madhukar Thakare, Asstt. Professor, Deptt. of Community Medicine, GMCH, Sector 32, Chandigarh.	Epidemiology and Treatment Seeking Behaviour For Non Communicable Diseases in Rural Field Practice Area of Government Medical College and Hospital, Chandigarh.	1 Year	35,000/-
7.	Dr. Meenu Kalia, Asstt. Professor, Deptt. of Community Medicine, GMCH, Sector 32, Chandigarh.	Assessment of the Epidemiological Factors of Polycystic Ovarian Syndrome in Chandigarh.	1 Year	25,000/-
8.	Dr. Poonam Goel, Professor, Deptt. of Obstetrics & Gynecology, GMCH, Sector 32, Chandigarh.	Postpartum screening for glucose intolerance after Gestational diabetes mellitus (GDM).	2 years	30,000/-
9.	Dr. Seema Gupta, Assistant Professor-cum-Principal Investigator, Deptt. of Biochemistry, Govt. Medical College, Sector 32, Chandigarh.	Significance of hypophosphatemia and Vitamin D in clinical outcome of critically ill patients.	1 year	50,000/-
10.	Dr. Shikha Rani, Antenatal Medical Officer-cum-Lecturer, Deptt. of Obstetrics & Gynecology, GMCH, Sector 32, Chandigarh.	To evaluate and compare the sensitivity & specificity of osteopontin & CA-125 alone & in combination in adnexal mass.	1 Year	50,000/-
11.	Dr. Sonia Puri, Associate Professor, Deptt. of Community Medicine, GMCH, Sector 32, Chandigarh.	Usage of E technology in raising cancer awareness in Chandigarh - A step towards Preventive Oncology.	10 months	40,000/-
12.	Dr. Varsha Gupta, Professor, Deptt. of Microbiology, GMCH, Sector 32, Chandigarh.	To study the effect of administering oral and vaginal probiotics on the incidence of recurrent UTI by molecular evaluation.	1 year	90,000/-
13.	Dr. Vidushi Mahajan, Asstt. Professor, Deptt. of Pediatrics, GMCH, Sector 32, Chandigarh.	Scrub typhus: Clinical and epidemiological profile in children from a tertiary-care centre of Chandigarh, India.	1 year	1, 30,000/-
<b>C) PEC University of Technology, Chandigarh</b>				
14.	Dr. Sukhwinder Singh, Assistant Professor-cum-Principal Investigator, Electronics & Communication Engineering Department, PEC University of Technology, Sec 12, Chd.	Design and Development of Intelligent Car Parking Management System.	11 months	1,00,000/-
<b>D) PG Govt. College for Girls, Sector 11, Chandigarh.</b>				
15.	Prof. Anita Kaushal, Principal, PG Govt. College for Girls, Sector 11, Chandigarh.	A study of the Impact of Changing Food Habits on the Health of Adolescent Girls of PG Govt. College of Girls, Sector 11, Chandigarh (age Group 17-21 years) with special reference to Socio-Economic environment.	1 year	70,000/- P.I. to consult with Dr. Manjeet Singh, Nodal Officer for NCD and DHS for technicians.
<b>E) National Institute of Technical Teachers Training and Research, Sector 26, Chandigarh.</b>				
16.	Dr. Lini Mathew, Head, Electrical Engineering Department, National Institute of Technical Teachers Training and Research, Sector 26, Chandigarh.	Emergency Vehicle Pre-emption.	1 year	2,00,000/-
<b>F) MCM DAV College for Women, Sector 36-A, Chandigarh</b>				
17.	Dr. Neetu, Assistant Professor & Head, Deptt. of Zoology, MCM DAV College for Women, Sector 36-A, Chandigarh.	Synthesis, characterization and evaluation of larvicidal potential of curcumin nanoparticles against the vector species for mosquitoes (Diptera : Culicidae).	1 year	75,000/-
<b>Total</b>				<b>Rs. 11,47,500/-</b>



The grant-in-aid shall be utilized for the purpose it has been sanctioned and within the time frame as mentioned in Column 4 of the sanction order. No part of sanctioned amount shall be used for manpower creation/maintenance or for purchase of any physical asset like computer, printer etc. No further extension, with or without additional funding, shall be granted, in any case/on any grounds.

Further, the final Report (5 Copies) along with a soft copy in CD using MS- Word software, Utilization Certificate (in GFR 19-A) and Audited Statement of Expenditure shall be submitted within one month, after completion of the project.

The expenditure shall be debited to the major Head "3425-Other Scientific Research; 60- Others; 004-Research & Development; 03-Management Information and Infrastructure; 03 00 54 - Investments" (Plan) during the financial year 2016-17.

Chandigarh dated  
22<sup>nd</sup> August, 2016.


Santosh Kumar, IFS  
Director Science & Technology &  
Renewable Energy,  
Chandigarh Administration.

No. S&T&RE/RP/Sanc/08/2016/ 934-940

Dated: 23.8.16

A copy is forwarded to the following for information and necessary action: -

1. The A.G. (A&E), Punjab & Chandigarh, U.T. Sub Office, Chandigarh.
2. The A.G. (Audit), Punjab & Chandigarh, U.T., Sub Office, Chandigarh.
3. The Treasury Officer, Central Treasury, Sector 17, U.T, Chandigarh.
4. The Accounts Section, Deptt. of Science & Technology & Renewable Energy,  
Chandigarh Administration.
5. The Bill Clerk, Deptt. of Science & Technology & Renewable Energy, Chandigarh  
Administration
6. Master File.
7. To all concerned Principal Investigators of the Projects.

  
Additional Director  
For Director Science & Technology &  
Renewable Energy,  
Chandigarh Administration.



# Department of Science & Technology & Renewable Energy, Chandigarh Administration.

Paryavaran Bhawan, 1st Floor, Sector 19-B, Madhya Marg, U.T., Chandigarh.  
Tel.: +91-172-2703982 Fax: +91-172-2703968.

## ORDER

Sanction is hereby accorded under Rule 13 of the Delegation of Financial Powers Rules 1978, to release financial assistance amounting to **Rs.9,52,500/- (Rupees Nine Lakh Fifty Two Thousand Five Hundred only)** in the manner as shown below: -

Sr. No.	Name of the Institution	Amount to be sanctioned (Rs.)
01	The Registrar, Panjab University, Chandigarh	75,000/-
02	The Director Principal, Govt. Medical College & Hospital, Sector-32, Chandigarh	1,50,000/-
03	The Director, Central Scientific Instruments Organization, Sector 30, Chandigarh.	1,50,000/-
04	The Director, PGIMER, Chandigarh.	5,77,500/-
	<b>Total</b>	<b>9,52,500/-</b>

The complete details of the Research Projects, including the duration of the project and other details as follows: -

Sr. No	Name , Address & Mobile No. of the Principal Investigator	Title of the Project	Duration of the Project	Financial Assistance recommended by the Committee	Financial Assistance sanctioned in current F.Y. 2016-17	Financial Assistance will be sanctioned in F.Y. 2017-18
<b>A) PANJAB UNIVERSITY, CHANDIGARH.</b>						
01	Dr. (Mrs.) Jagdeep Kaur, Professor, Deptt. of Biotechnology, Panjab University, Chandigarh.	Evaluation of Rv3176c as a potential drug target M. tuberculosis.	1 year	75,000/-	75,000/-	00
<b>B) GOVT. MEDICAL COLLEGE &amp; HOSPITAL, SECTOR 32, CHANDIGARH.</b>						
02	Dr. Anumeha Bhagat, Assistant Professor, Department of Physiology Sarai Building (Ground Floor), Sector 32, GMCH, Chd.	Effect of Raj Yoga meditation on baroreflex sensitivity in medical undergraduate students.	1 Year	50,000/-	50,000/-	00
03	Dr. Ravi Gupta, Professor, Deptt. of Orthopedics, GMCH, Sector 32, Chd.	Anatomical factors, vitamin D and anabolic steroid abuse as risk factor for Anterior Cruciate Ligament Injury.	1 year	1,00,000/-	1,00,000/-	00
<b>C) CSIR-CSIO, SECTOR 30, CHANDIGARH.</b>						
04	Dr. Neelesh Kumar, Principal Scientist, Biomedical Instrumentation Div., CSIR-CSIO, Chd.	Robo-Rehab: Robotic Rehabilitation Device for Physiotherapy Exercises.	1 year	1,50,000/-	1,50,000/-	00
<b>D) PGIMER, SECTOR 12, CHANDIGARH.</b>						
05	Dr. Aditya Aggarwal, Professor, Deptt. of Orthopedics, PGIMER, Chandigarh.	Characterization of synovial mast cells in knee osteoarthritis : correction with clinico-radiological parameters.	1 year	1,00,000/-	50,000/-	50,000/-

*[Signature]*



06	Dr. Amit Rawat, Addl. Professor, Deptt. of Pediatrics, PGIMER, Chd.	Soluble CD40 ligand levels in children with Kawasaki disease.		51,500/-	30,000/-	21,500/-
07	Dr. Ashim Das, Professor, Deptt. of Histopathology, PGIMER, Chandigarh.	NOTCH signalling in tumor and cell free DNA as a novel prognostic biomarker in diffuse large B-cell lymphoma.	1 year	1,00,000/-	50,000/-	50,000/-
08	Dr. Ashima Goyal, Professor (Pedodontics & Preventive Dentistry), Oral Health Sciences Centre, PGIMER, Chandigarh.	Evaluation of oral health status of children with special health care needs attending day care centers and special schools in Chandigarh.	1 year	75,000/-	37,500/-	37,500/-
09	Dr. Jitendra Kumar Sahu, Associate Professor, Department of Pediatrics, Room No.5108, 5 A, Advanced Pediatrics Centre, PGIMER, Chd.	Evaluation of Thyroid Functions in Children with Epilepsy on Valporate Therapy.	1 year	50,000/-	25,000/-	25,000/-
10	Dr. Man Updesh Singh Sachdeva, Addl. Professor, Deptt. of Hematology, PGIMER, Chandigarh.	Establishment of diagnostic facility for high sensitivity flow cytometric assay in PGIMER, Chandigarh, for systemic mastocytosis - associated hematologic non-mast cell lineage disease (SM-AHNMD).	1 year	75,000/-	37,500/-	37,500/-
11	Dr. Nidhi Bhatia, Associate Professor, Deptt. of Anesthesia and Intensive Care, PGIMER, Chandigarh.	Comparison of systemic dexamethasone levels following its perineural versus intravenous administration: A Randomized, Double-Blind Study.	1 year	1,00,000/-	50,000/-	50,000/-
12	Dr. Prashant Sharma, Associate Professor, Deptt. of Hematology, PGIMER, Chd	Evaluation of a new flow cytometric test to diagnose G6PD deficiency.	1 year	45,000/-	22,500/-	22,500/-
13	Dr. Pravin Salunke, Associate Professor, Deptt. of Neurosurgery, PGIMER, Chd.	3D printing of upper cervical spine for developing new implants.	1 Year	1,00,000/-	50,000/-	50,000/-
14	Dr. Ranjana W. Minz, Professor and Head, Deptt. of Immunopathology, PGIMER, Chd.	Education and in house genetic screening of UT residents for common autoimmune diseases of region.	1 year	75,000/-	37,500/-	37,500/-
15	Dr. Ravindra Khaiwal, Associate Professor (Environmental Health), School of Public Health, PGIMER, Chd.	Seasonal Variation in PM2.5 concentration in Chandigarh.	1 year	1,50,000/-	75,000/-	75,000/-
16	Dr. Shiv Sajan Saini, Assistant Professor, Pediatrics (Neonatology) Neonatal Unit, Deptt. of Pediatrics, PGIMER, Chandigarh.	Factors predicting progression of neonatal sepsis to septic shock: A prospective observational study.	1 year	50,000/-	25,000/-	25,000/-



17	Dr. Tulika Gupta, Assistant Professor, Deptt. of Anatomy, PGIMER, Chd.	Elucidation of the possible role of melatonin as an anticancer agent in carcinoma breast.	1 year	1,00,000/-	50,000/-	50,000/-
18	Dr. Usha Dutta, Professor, Deptt. of Gastroenterology, PGIMER, Chandigarh.	To determine the prevalence of population at risk for gallbladder cancer among adult women in Chandigarh.	1 year	75,000/-	37,500/-	37,500/-
Total				15,21,500/-	9,52,500/-	5,69,000/-

The grant-in-aid shall be utilized for the purpose it has been sanctioned and within the time frame as mentioned in Column 4 of the sanction order. No part of sanctioned amount shall be used for manpower creation/maintenance or for purchase of any physical asset like computer, printer etc. No further extension, with or without additional funding, shall be granted, in any case/on any grounds. However, the research proposals from Sr. No. 05 to 18 (PGIMER, Chandigarh) is sanctioned grant-in-aid during the current F.Y. 2016-17 as above and remaining grant-in-aid will be given in the next financial year i.e. 2017-18 on receiving performance reports from them.

Further, the Final Report (5 Copies) along with a soft copy in CD using MS- Word Software, Utilization Certificate (in GFR 19-A) and Audited Statement of Expenditure shall be submitted within one month, after completion of the project.

The expenditure shall be debited to the major Head "3425-Other Scientific Research; 60- Others; 004-Research & Development; 03-Management Information and Infrastructure; 03 00 54 - Investments" (Plan) during the financial year 2016-17.

Chandigarh dated  
07<sup>th</sup> March, 2017.

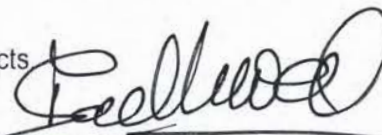
Santosh Kumar, IFS  
Director Science & Technology &  
Renewable Energy,  
Chandigarh Administration.

No. S&T&RE/RP/Sanc/03/2017/ 233-239

Dated: 08.3.17

A copy is forwarded to the following for information and necessary action: -

1. The A.G. (A&E), Punjab & Chandigarh, U.T. Sub Office, Chandigarh.
2. The A.G. (Audit), Punjab & Chandigarh, U.T., Sub Office, Chandigarh.
3. The Treasury Officer, Central Treasury, Sector 17, U.T, Chandigarh.
4. The Accounts Section, Deptt. of Science & Technology & Renewable Energy, Chandigarh Administration.
5. The Bill Clerk, Deptt. of Science & Technology & Renewable Energy, Chandigarh Administration
6. Master File.
7. To all concerned Principal Investigators of the Projects

  
Additional Director  
For Director Science & Technology &  
Renewable Energy,  
Chandigarh Administration.



F.Y. 2017-18



-199- 2017-18

**Department of Science & Technology & Renewable Energy,  
Chandigarh Administration.**

Paryavaran Bhawan, 1st Floor, Sector 19-B, Madhya Marg, U.T., Chandigarh.  
Tel.: +91-172-2703982 Fax: +91-172-2703968.

**ORDER**

Sanction is hereby accorded under Rule 13 of the Delegation of Financial Powers Rules 1978, to release financial assistance amounting to **Rs.15,30,000/- (Rupees Fifteen Lakh Thirty Thousand only)** in the manner as shown below: -

Sr. No.	Name of the Institution	Amount to be sanctioned (Rs.)
01	The Registrar, Panjab University, Chandigarh	8,60,000/-
02	The Director Principal, Govt. Medical College & Hospital, Sector 32, Chandigarh.	5,80,000/-
03	St. John's High School, Sector 26, Chandigarh.	15,000/-
04	DAV College, Sector 10, Chandigarh.	75,000/-
	<b>Total</b>	<b>15,30,000/-</b>

The complete details of the Research Projects, including the duration of the projects are follows: -

Sr. No	Name, Address & Mobile No. of the Principal Investigator	Name, Address & Mobile No. of the Co. Investigator.	Title of the Project	Duration of the Project	Financial Assistance Sanctioned/ Remarks
A)	PANJAB UNIVERSITY, CHANDIGARH.				
01	Dr. Shipra Gupta, Asst. Prof., Deptt. Of Periodontics & Oral Implantology, Dr. H.S. Judge Institute of Dental Sciences and Hospital, Panjab University, Chandigarh. Mobile No. 9876034881	1. Dr. Sunil Dogra, MD DNB FRCP Prof. Deptt. Of Dermatology & Venereology, PGIMER, Chandigarh, Phone no. 09855005941. 2. Dr. Gurbarkash Singh Chahal, MDS, Asst. Prof, Deptt. Of Periodontics, Dr. H.S Judge Institute of Dental Sciences and Hospital, Panjab University Chandigarh. Phone no. 09872978629, 2724912. 3. Dr. Savita Prashar, Associate Prof., Deptt. Of Biochemistry, Dr, H.S, Judge Institute of Dental Sciences and Hospital, Panjab University, Chandigarh. Phone no. 9814864833	Exploring the association between Psoriasis and Inflammatory Periodontal Disease in population of Chandigarh city.	8-9 Months	75,000/-
02	Prof. Geeta Shukla, Deptt. Of Microbiology, Basic Medical Sciences Building, Panjab	Prof. Rakesh Sehgal, Deptt. Of Parasitology, PGIMER, Chandigarh.	To assess the effect of probiotic (Yakult, probiotic	6-9 Months	75,000/-



	University, Chandigarh. Phone no. 9988728240		curd, normal curd) supplement ation is malnourishe d/Giardia infected children.		
03	Dr. Mani Chopra, Asst. Prof., Deptt. Of Zoology, Panjab University Chandigarh. Phone no. 9914133434 9876096196	Dr. Yogesh K. Rawal, Assistant Prof., Deptt. Of Zoology, Panjab University, Chandigarh. Phone no. 9876096196.	Risk Assessment Study: Health analysis of occupational ly arsenic exposed population of Chandigarh by evaluating blood and urinary biomarkers.	1 Year	1,25,000/-
04	Dr. Sidhi Passi, Senior Asst. Prof., Deptt. Of Pediatric Dentistry, Dr. H.S.Judge Institute of Dental Sciences & Hospital, Panjab University Chandigarh. Phone no. 9216701476.	1. Dr. Leena Verma, Sr. Asst. Prof, Deptt. Of Pediatric Dentistry, Dr. H.S.Judge Institute of Dental Sciences & Hospital, Panjab University, Chandigarh.  2. Dr. Drlkreet Singh Bal, Panjab University, Chandigarh, ASST. Prof., Deptt. Of Community and Preventive Dentistry, Dr. H.S.Judge Institute of Dental Science & Hospital, Panjab University, Chandigarh.  3. Dr. Jyoti Gupta, Sr. ASST. Prof., Deptt. Of Periodontics, Dr. H.S.Judge Institute of Dental Sciences & Hospital, Panjab University, Chandigarh.	Knowledge of Oral health- related quality of life and caries prevention in eleven- fourteen year old children in and around Chandigarh.	1 Year	60,000/-
05	Dr. Vishakha Grover, Asst. Prof., Deptt. Of Periodontics & Oral Implantology, Dr. H.S. Judge Institute of Dental Sciences and Hospital, Panjab University, Chandigarh. Phone no. 9814277780,	1. Dr. Suresh Korpole, Sr. Scientist, CSIR-Institute of Microbial Technology, Sector 39-A, Chandigarh.- 160036.  2. Dr. Komal Sehgal, Associate Prof., Dr. H.S. Judge Institute of Dental Sciences & Hospital, Panjab University, Sector - 25, Chandigarh 160036  3. Dr. Rajni Jain, Assistant Prof., Dr. H.S. Judge	Improvisatio n and evaluation of bacteriocin coated Titanium surfaces for dental applications- An in vitro investigation	1 Year	1,50,000/-



		Institute of Dental Sciences & Hospital, Panjab University, Sector – 25, Chandigarh,			
06	Dr. Lalit Kumar, Asst. Prof., Deptt of Prosthodontics and Crown and Bridge, Dr. H.S.Judge Institute of Dental Sciences, Panjab University Chandigarh. Phone no. 9914419876.	1. Dr. Shefali Singla, MDS, Prof. & Head, Deptt. Of Prosthodontics and Crown and Bridge, Dr. H.S. Judge Institute of Dental Sciences, Panjab University, Chandigarh. 2. Dr. Puneet, MDS, Asst. Prof., Deptt. Of Prosthodontics and Crown and Bridge, Dr. H.S. Judge Institute of Dental Sciences, Panjab University, Chd.	Evaluation of impact of two different implant abutment connections with platform shifting on peri-implant bone loss.	1 Year	75,000/-
07	Dr. Gaurav Verma, Dr. S.S. Bhatnagar University Institute of Chemical Engineering & Technology, Panjab University, Chandigarh. Phone no. 9872492858,	Prof. Prafulla Janbade, Chandigarh College of Architecture, Panjab University, Chandigarh.	Protective transparent nano-composite coatings for Chandigarh's buildings and structures.	1 Year	1,50,000/-
08	Dr. Naveen Gupta, Deptt. Of Microbiology, Basic Medical Sciences Block-I, South Campus, Panjab University Chandigarh. Phone no 9872692680.	Prof. Prince Sharma, Deptt. Of Microbiology, Panjab University, Chandigarh. Phone no. 9815957903.	To develop a Bioremediation Strategy for the management of weed growth at Sukhna Lake Chandigarh.	6-7 months	1,50,000/-
<b>B) GOVT. MEDICAL COLLEGE &amp; HOSPITAL, SECTOR 32, CHANDIGARH.</b>					
09	Dr. Shivani Jaswal, Professor, Deptt. Of Bio-chemistry, G.M.C.H, Chandigarh Mobile No. 9646121535	Dr. Jasbinder Kaur, Prof. And Head, Deptt. Of Biochemistry, G.M.C.H, Sector-32, Chandigarh.  Dr. Mala Bhalla, Prof., Deptt. Of Dermatology, G.M.C.H., Sector-32, Chandigarh.  Dr. Seema Gupta, Assistant Prof, Deptt. Of Biochemistry, G.M.C.H, Sector-32, Chandigarh.	Evaluation of D- Dimer Levels as a prognostic Indicator of Chronic Urticaria.	1 year	1,00,000/-
10	Dr. Suresh Kumar, Deptt. Of Ophthalmology, GMCH-32, Chandigarh. Mobile No. 9646121588	1. Dr. Naveen Krishan Goel, Prof. And Head of, Community Medicine/Public Health Deptt., G.M.C.H., Sector-32, Chandigarh. 2. Dr. Madhu Sharma, Sr. Resident, Glaucoma Unit, Eye Deptt., Sector 32, Chandigarh. 3. Dr. Renuka Mahey, Sr. Resident, Glaucoma Unit,	Prevalence of Glaucoma in a population in Chandigarh.	1 Year	1,00,000/-



		Eye Deptt., G.M.C.H., Sector 32, Chandigarh.			
11	Dr. Varinder Saini, Prof., Deptt. Of Pulmonary Medicine, GMCH, Chandigarh. Phone no. 09646121622	1. Dr. Kranti Garg, Asst. Prof., -Pulmonary Medicine, G.M.C.H., Sector 32, Chandigarh. 2. Dr. Poonam Gupta, Prof.- Obst. & Gynae, GMCH-32, Chandigarh. 3. Dr. Jasbinder Kaur, Prof, & Head-Biochemistry, GMCH, Sector 32, Chandigarh.	Hormonal changes and reproductive health issues in females with tuberculosis.	1 Year	40,000/-
12	Dr. Suksham Jain, Prof. Pediatrics, GMCH-32, Chandigarh. Phone no. 9988901596.	1. Dr. Deepak Chawla, Associate Prof. Pediatrics, GMCH-32, Chandigarh. 2. Dr. Anita Talhan, Associate Prof. Pathology, GMCH-32, Chandigarh.	Stem Cell concentratio n in umbilical cord blood, delayed cord clamping vs cord milking.	1 Year	1,00,000/-
13	Dr. Vanita Ahuja, Asst. Prof., Deptt. Of Anesthesia & Intensive Care, G.M.C.H-32, Chandigarh. Phone no. - 9646121649	1. Prof. Deepak Thapa, Prof., Deptt. Of Anesthesia & Intensive Care, GMCH- 32, Chandigarh. 2. Prof. Sudhir Garg, Prof. And Head of the Deptt., Deptt. Of Orthopedics, GMCH-32, Chandigarh. 3. Prof. A.K. Attri, Prof and Head of the Deptt. Deptt. Of General Surgery, GMCH- 32, Chandigarh.	Role of extended duration pulsed radiofrequen cy on pain relief in chronic post amputation lower limb pain: a randomized controlled trial.	1 Year	75,000/-
14	Dr. Reetu Kundu, Asst. Prof., Deptt. Of Pathology, GMCH, Chandigarh.	1. Dr. Atul Sachdev, Prof. And Head, General Medicine, GMCH, Sector- 32, Chandigarh. 2. Dr. RPS Punia, Prof., Deptt. Of Pathology, GMCH, Sector 32, Chandigarh. 3. Dr. Robin Kaushik, Prof., Deptt. Of General Surgery, GMCH, Sector 32, Chandigarh.	Clinico- epidemiologi cal profile of esophageal cancer in north Indian population.	1 Year	25,000/-
15	Dr. Naveen Kishan Goel, Prof & Head, Deptt. Of Community Medicine, G.M.C.H, Chandigarh. Phone no.	1. Dr. Meenal Madhukar Thakare, Asst. Prof., Deptt. Of Community Medicine, GMCH, Chandigarh. 2. Dr. Deepak Sharma, Asst. Prof., Deptt. Of Community Medicine, GMCH, Chandigarh. 3. Dr. Dinesh walia, Statistician cum Associate	Adolescent Health and Well Being Survey in Rural Field Practice Area of Govt. Medical College & Hospital, Chandigarh.	1 Year	50,000/-



		Prof., Deptt. Of Community Medicine, GMCH, Chandigarh.			
16	Dr. Deepak Aggarwal, Asst. Prof., Deptt. Of Pulmonary Medicine, GMCH, Chandigarh. Phone no.	1. Dr. Anshu Palta, Associate Prof., Deptt. Of Pathology, GMCH-32, Chandigarh. 2. Dr. Rohit Jindal, Associate Prof., Deptt. Of Orthopedics, GMCH-32, Chandigarh. 3. Dr. Ashok Kumar Janmeja, Prof. And Head, GMCH-32, Chandigarh. 4. Dr. Anil Kumar, Senior Resident, Deptt. Of Pulmonary Medicine, GMCH-32, Chandigarh.	To study the hematologic al parameters, bone mineral density and their correlations in patient with interstitial lung disease.	1 Year	40,000/-
17	Dr. Sunit Dubey, Asst. Prof., Deptt. Of Obstetrics & Gynecology, Govt. Medical College & Hospital, Sector - 32, Chandigarh. Phone no.	1. Dr. Varsha Gupta, Prof., Deptt. Of Microbiology, GMCH-32, Chandigarh. 2. Dr. Poonam Goel, Prof., Deptt. Of Obstetrics & Gynecology, GMCH-32, Chandigarh. 3. Dr. Prapti Bora, Senior Resident, Deptt. Of Microbiology, GMCH-32, Chandigarh. 4. Dr. Jagdish Chander, Prof. & Head, Deptt. Of Microbiology, GMCH-32, Chandigarh.	"Association of genitourinary tract infections during pregnancy with preterm labor, verses term labor."	1 Year	50,000/-
C) ST. JOHN'S HIGH SCHOOL, SECTOR 26, CHANDIGARH.					
18	Mrs. Rashi S Gupta, St. John's High School, Sector 26, Chandigarh, Phone no. 2792571-573-574.	Mrs. Sumel Chawla along with students.	Promotion of use of herbal plants and their role in treating ailments. Promoting our age old culture of using herbs for treatment.	2 to 3 Months.	15,000/-
D) DAV COLLEGE, SECTOR 10, CHANDIGARH.					
19	Dr. Manju Dewan, PG, Deptt. Of Zoology, DAV College, Sector 10, Chandigarh.	Dr. Karan Singh Vinayak, DAV College, Chandigarh.  Dr. Rajnish Sharma, DAV College, Chandigarh.	Noise Pollution Monitoring and its Health Implications in Chandigarh.	1 year	75,000/-
Total					15,30,000/-



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The grant-in-aid shall be utilized for the purpose it has been sanctioned and within the time frame as mentioned in Column 4 of the sanction order. No part of sanctioned amount shall be used for manpower creation/maintenance or for purchase of any physical asset like computer, printer etc. No further extension, with or without additional funding, shall be granted, in any case/on any grounds. Further, the project proponents should utilize the infrastructure available in their respective institutes to the maximum extent possible and no machine/equipment available in the institutes shall be purchased from the funds sanctioned.

**Further, the Final Report (5 Copies) along with a soft copy in CD using MS- Word Software, Utilization Certificate (in GFR 12-C) and Audited Statement of Expenditure shall be submitted within one month, after completion of the project.**

The expenditure shall be debited to the major Head "5425-Capital Outlay on Other Scientific and Environmental Research; 208-Ecology & Environment, 10-Research, 10 00 54-Investments during the financial year 2017-18.

Chandigarh dated  
07<sup>th</sup> Sept., 2017.

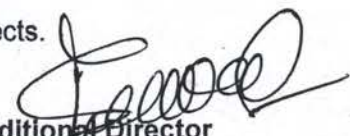
Santosh Kumar, IFS  
Director Science & Technology &  
Renewable Energy,  
Chandigarh Administration.

No. S&T&RE/RP/147/Sanc/09/2017/ 1123-1129

Dated: 12.9.17

A copy is forwarded to the following for information and necessary action: -

1. The A.G. (A&E), Punjab & Chandigarh, U.T. Sub Office, Chandigarh.
2. The A.G. (Audit), Punjab & Chandigarh, U.T., Sub Office, Chandigarh.
3. The Treasury Officer, Central Treasury, Sector 17, U.T, Chandigarh.
4. The Accounts Section, Deptt. of Science & Technology & Renewable Energy, Chandigarh Administration.
5. The Bill Clerk, Deptt. of Science & Technology & Renewable Energy, Chandigarh Administration
6. Master File.
7. To all concerned Principal Investigators of the Projects.

  
Additional Director  
for Director Science & Technology &  
Renewable Energy,  
Chandigarh Administration.

F.Y. 2018-19





# Department of Science & Technology & Renewable Energy, Chandigarh Administration.

Paryavaran Bhawan, 1st Floor, Sector 19-B, Madhya Marg, U.T., Chandigarh.  
Tel.: +91-172-2703982 Fax: +91-172-2703968, e-mail : dstchandigarh17@gmail.com

## ORDER

Administrative approval is hereby accorded under Rule 13 of the Delegation of Financial Powers Rules, 1978, amounting to **Rs.30,36,417/- (Rupees Thirty Lakhs Thirty Six Thousand Four Hundred Seventeen Only)** in the manner as shown below: -

Sr. No.	Name of the Institution	Amount to be sanctioned (Rs.)
01	The Registrar, Panjab University, Chandigarh.	7,25,000/-
02	The Director Principal, Govt. Medical College & Hospital, Sector-32, Chandigarh.	6,85,000/-
03	Sri Guru Gobind Singh College, Sector 26, Chandigarh.	1,45,000/-
04	Punjab Engineering College (Deemed to be University), Sector 12, Chandigarh.	3,00,000/-
05	Director Health Services, Chandigarh.	1,00,000/-
06	MCM DAV College for Women, Sector 36, Chandigarh.	75,000/-
07	The Director, Central Scientific Instruments Organization, Sector 30, Chandigarh.	1,50,000/-
08	The Director, PGIMER, Chandigarh.	8,56,417/-
<b>Total</b>		<b>30,36,417/-</b>

The complete details of the Short Term Research Projects, including the duration of the projects are follows: -

Sr. No.	Name, Address & Mobile No. of the Principal Investigator	Name, Address & Mobile No. of the Co. Investigator.	Title of the Project	Duration of the Project.	Financial Assistance Sanctioned (Rs) /Remarks
<b>A) PANJAB UNIVERSITY, CHANDIGARH.</b>					
01	Dr. Dipti Sareen, Deptt. of Biochemistry, Panjab University, Chandigarh. 9876425470.	Prof. Vikas Gautam, Deptt. Of Medical Microbiology, PGIMER, Chandigarh.	Antimicrobial potential of novel recombinant lanthipeptides against clinical isolates.	1 Year	1,25,000/-
02	Dr. Naveen Gupta, Deptt. of Microbiology, Basic Medical Sciences Block-I, South Campus Panjab University, Sector - 25, Chandigarh. 9872692680, 9041062680, 2541770.	N.A.	Developing a strategy for the management of organic waste by composting at institutional and individual level(standardization and popularization of the process)	1 Year	50,000/-
03	Dr. Ranjana Bhatia, Asst. Prof., Biotechnology Branch, UIET, Sector 25, Panjab University, Chandigarh. 9915865042	MS. Hema Setia, Asst. Prof., Biotechnology Branch, UIET, Sector 25, Panjab University, Chandigarh.	Characterization of nitrate reducing microorganisms and development of microbial consortia for bioremediation of polluted waters of Chandigarh.	1 Year	1,00,000/-



04	Dr. Shefali Singla, MDS, Prof. And Head, Deptt. Of Prosthodontics and Crown and Bridge, Dr. H.S. Judge Institute of Dental Sciences, Panjab University, Chandigarh. 9417194185	Dr. Lalit Kumar, MDS, Associate Prof., Deptt. Of Prosthodontics and Crown and Bridge, Dr. H.S. Judge Institute of Dental Sciences, Panjab University, Chandigarh.  Dr. Jyoti Sharma, Assistant Prof., Deptt. Of Microbiology, Dr. H.S. Judge Institute of Dental Sciences, Panjab University, Chandigarh.	In vivo analysis of Microbial adherence on three commonly used denture base materials in same patient.	1 Year	1,50,000/-
05	Hema Setia, Asst. Prof., UIET, Biotechnology, South Campus Panjab University, Chandigarh. 9888869196.	Prof. Amrit Pal Toor, Dr. S.S.B. University Institute of Chemical Engineering and Technology, Panjab University, Chandigarh.	Photocatalytic treatment of waste water entering Sukhna Lake through contaminated rivulets/choe.	1 Year	1,00,000/-
06	Prof. Archana Bhatnagar, Prof. And Chairperson, Deptt. Of Biochemistry, BMS, Block II, South Campus, Sector 25, Panjab University, Chandigarh. 09815502214, 2534131.	Dr. Aman Sharma, Prof., Deptt. Of Internal Medicine, PGIMER, Chandigarh.	Identification of anti inflammatory and radical scavenging properties of Galangin (Alpinia galangal) on neutrophils in Rheumatoid Arthritis.	1 Year	1,00,000/-
07	Dr. Navneet Agnihotri, Deptt. Of Biochemistry, Panjab University, Chandigarh. 8360313948, 9815992186.	Dr. Divya Dahiya, Additional Prof., Deptt. Of General Surgery, PGIMER, Chandigarh.	Correlation of obesity induced dyslipidemia with breast cancer.	1 Year	1,00,000/-
<b>B) GOVT. MEDICAL COLLEGE &amp; HOSPITAL, SECTOR 32, CHANDIGARH.</b>					
08	Dr. Anita Tahlan, Associate Prof., Deptt. Of Pathology, GMCH-32, Chandigarh.	Dr. Sonia Puri, Associate Prof., Deptt. Of Community Medicine, GMCH-32, Chandigarh.	To evaluate the role of hepcidin in evaluating elderly anaemia.	10 Months	80,000/-
09	Dr. Dipti Magan, Asst. Prof., Deptt. Of Physiology, GMCH-32, Chandigarh. 9910110226.	Dr. Anita S. Malhotra, Prof. & Head, Deptt. Of Physiology, GMCH-32, Chandigarh.	Assessment of Cognitive Functions in Obesity: Neuropsychological and biochemical evidences.	1 Year	48,000/-
10	Dr. Gurjit Kaur, Associate Prof., Deptt. of Physiology, GMCH-32, Chandigarh. 9646121608	Dr. Anumeha Bhagat, Associate Prof., Deptt. Of Physiology, GMCH-32, Chandigarh.  Dr. Reeti Mehra, Associate Prof., Deptt. Of Obstetrics	Consensus definition of body mass index for North Indian population: Correlation with adverse pregnancy outcome and metabolic profile of neonate.	1 year	1,00,000/-

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		and Gynaecology, GMCH-32, Chandigarh.			
		Dr. Deepak Chawla, Prof., Deptt. Of Pediatrics, GMCH- 32, Chandigarh.			
		Dr. Seema Singla, Assistant Prof., Deptt. Of Biochemistry, GMCH-32, Chandigarh.			
11	Dr. Jasbinder Kaur, Prof. & Head, Deptt. Of Biochemistry, GMCH-32, Chandigarh. 9646121532	Dr. Nishit Sawal, Asst. Prof., Deptt. Of Neurology, GMCH- 32, Chandigarh.	To evaluate Cerebrospinal fluid in patients of Motor Neuron disease.	1 Year	60,000/-
		Dr. Satindar Gomber, Prof. & Head, Deptt. Of Anaesthesia, GMCH-32, Chandigarh.			
12	Dr. Kiran Prakash, Asst. Prof., Deptt. Of Physiology, GMCH-32, Chandigarh. 8727855847.	Prof. Anita Malhotra, Head of Deptt., Deptt. Of Physiology, E-Block, GMCH-32, Chandigarh.	Association of insulin resistance with peripheral and autonomic neuropathy in patients with recently diagnosed type 2 diabetes mellitus.	1 Year	42,000/-
		Prof. Monica Gupta, Deptt. Of Internal Medicine, GMCH-32, Chandigarh.			
		Prof. Shivani Jaswal, Deptt. Of Biochemistry, GMCH-32, Chandigarh.			
13	Dr. Meenu Kalia, Asst. Prof., Deptt. Of Community Medicine, GMCH, Chandigarh. 9646121510.	1. Dr. Dinesh Kumar, Statistician-cum- Associate Prof., Deptt. Of Community Medicine, GMCH, Chandigarh. 2. Dr. N.K. Goel, Prof. & Head, Deptt. Of Community Medicine, GMCH, Chandigarh. 3. Dr. Bharti Goel, Associate Prof., Deptt. Of Obstetrics and Gynaecology, GMCH, Chandigarh. 4. Dr. Ravi Rohilla Asst. Prof., Deptt. Of Community Medicine, GMCH, Chandigarh.	Determinants of lactation amenorrhea and use of complementary family planning methods among women in Chandigarh.	1 Year	20,000/-
14	Dr. Phiza Aggarwal, Asst. Prof., Deptt. Of Pathology, GMCH-	Dr. Uma Handa, Prof. & Head, Deptt. Of Pathology, 3rd floor, E block,	Role of Morphological markers of chromosomal	1 Year	15,000/-



	32, Chandigarh.	GMCH-32, Chandigarh.  Dr. Ranjeev Bhagat, Asst. Prof., Deptt. Of Pathology, Room No. 312, E- Block, GMCH-32, Chandigarh.  Dr. Deepak Aggarwal, Assos Prof., Deptt. Of Pulmonary Medicine, GMCH-32, Chandigarh.	instability as a predictor of malignancy in pleural effusion.		
15	Dr. Ravi Rohilla, Asst. Prof., Deptt. Of Community Medicine, GMCH, Chandigarh. 9315380656.	1. Dr. Dinesh Kumar, Statistician-cum- Associate Prof., Deptt. Of Community Medicine, GMCH, Chandigarh.  2. Dr. N.K. Goel, Prof. & Head, Deptt. Of Community Medicine, GMCH, Chandigarh.  3. Dr. Meenu Kalia, Asst. Prof., Deptt. Of Community Medicine, GMCH, Chandigarh.	Prevalence, pattern and co-relates of substance use among children and adolescents in urban slums of U.T. Chandigarh.	1 Year	20,000/-
16	Dr. Saukanya Mitra, Prof., Deptt. Of Anaesthesia & Intensive Care, Govt. Medical College & Hospital, Sector 32, Chandigarh.	Dr. Jasveer Singh, Associate Prof., Deptt. Of Anaesthesia & Intensive Care, GMCH-32, Chandigarh.  Dr. Puja Saxena, Asst. Prof., Deptt. Of Anaesthesia & Intensive Care, GMCH-32, Chandigarh.  Dr. Kompal Jain, Senior Resident, Deptt. Of Anaesthesia & Intensive Care, GMCH-32, Chandigarh.  Dr. Uma Rathi, Asst. Prof., Deptt. Of Anaesthesia & Intensive Care, GMCH-32, Chandigarh.	Comparison of the efficacy of postoperative pain relief in Ultrasound guided Fascia iliaca Block versus Epidural Block on quality of recovery (QOR-15) in patients undergoing Femoral Surgery.	1 Year	50,000/-
17	Dr. Supreet Khurana, Asst. Prof. Pediatrics,	Dr. Sukhsham Jain, Prof. Pediatrics, GMCH-32,	Pulse oximetry screening once within 72 hours of life	1 Year	50,000/-



	GMCH-32, Chandigarh.	Chandigarh.  Dr. Deepak Chawla, Prof., Pediatrics, GMCH-32, Chandigarh.  Dr. Jeet Ram, Associate Prof. Cardiology, GMCH- 32, Chandigarh.	before discharge versus repeat screen between day 7-14 days of life for detection of CCHD in inborn neonates with >34 wks gestation.		
18	Dr. Vidushi Mahajan, Asst. Prof., Deptt. Of Pediatrics, GMCH- 32, Chandigarh. 9646121531, 2665253	1. Dr. Sanjay D' Cruz, Prof., Deptt. Of Pediatrics, GMCH- 32, Chandigarh.  2. Dr. Jasbinder Kaur, Prof., Deptt. Of Biochemistry, GMCH-32, Chandigarh.  3. Dr. Vishal Guglani, Prof., Deptt. Of Pediatrics, GMCH-32, Chandigarh.	Early Diagnosis of Renal Injury in Pediatric Population (E- DRIP STUDY)	1 Year	2,00,000/-
C) Sri Guru Gobind Singh College, Sector 26, Chandigarh					
19	Dr. A.P.Singh, Associate Prof. & Head, PG Department of Zoology, Sri Guru Gobind Singh College, Sector 26, Chandigarh. 9814203428.	Dr. Jasveer Kaur Brar, Associate Prof., Deptt. Of Botany, Sector-26, Chandigarh.	To study Butterfly Diversity of Chandigarh; and also its seasonal succession vis-a-vis Nectar and Host Plants.	1 Year	50,000/-
20	Dr. Kawalpreet Kaur, Asst. Prof., Deptt. Of Botany, Sri Guru Gobind Singh College, Sector 26, Chd. 9041011626.	Dr. Ravneet Kaur, Asst. Prof., Deptt. Of Zoology, Panjab University, Sector 14, Chandigarh.	Potential Threat to Standing Trees of Chandigarh by Bracket Fungi	1 Year	95,000/-
D) Punjab Engineering College (Deemed to be University), Sec 12, Chandigarh					
21	Dr. Jagdish Kumar, Associate Prof., EED, Punjab Engineering College (Deemed to be University), Chandigarh. 9041389731, 9466176730.	Prof. Rajdeep Surya, Assistant Prof., EED, Punjab Engineering College (Deemed to be University), Chandigarh.	PV Integration with Multilevel Inverter for Standalone System.	1 Year	1,50,000/-
22	Mr. Ankit Yadav, Asst. Prof., Mechanical Engineering Department, Punjab Engineering College (Deemed to be University), Chandigarh. 9478645420	Dr. Sushant Samir, Associate Prof., Mechanical Engineering Department, Punjab Engineering College (Deemed to be University), Chandigarh.	Study of Hybrid Solar Air Conditioning	1 Year	1,50,000/-



E)	Director Health Services, Chandigarh (Civil Hospital Manimajra, Chandigarh):				
23	Dr. Kawaljit Singh Sandha, Medical Officer (Lab), Civil Hospital Manimajra, Chandigarh. 9876502380, 2751004	1. Dr. PVM Lakshmi Additional Prof., of (Epidemiology), Deptt. Of Community Medicine and School of Public Health, PGIMER, Chandigarh.  2. Dr. Manisha Biswal, Addl. Prof., Deptt. Of Medical Microbiology, PGIMER, Chandigarh.  3. Dr. Ruby Jain, Microbiologist, Civil Hospital, Manimajra, Chandigarh.	Epidemiology and incidence of Scrub Typhus in a peri-urban area in Chandigarh, North India.	1 Year	1,00,000/-
F)	M.C.M. D.A.V. College for women, Sec 36, Chandigarh				
24	Dr. Vandana Sharma, Assistant Prof, M.C.M. D.A.V. College for women, Chandigarh. 9914084438	Dr. Sandeep Kaur, Deptt. Of Food Science, MCM DAV College for Women, Chandigarh.	Biosensor Based Kit for Rapid detection of Enterobacteriaceae in drinking water.	10 Months	75,000/-
G)	Central Scientific Instruments Organisation, Sector 30-C, Chandigarh				
25	Dr. Neelesh Kumar, Principal Scientist, Biomedical Instrumentation Div., Central Scientific Instruments Organisation, Sector 30-C, Chandigarh. 2657190, 2672200.	Sh. Kashif Sherwani, PhD Scholar, Biomedical Instrumentation, Division, CSIR-CSIO, Chandigarh.	Bio-Rehab, Bio-Signal Based Closed Loop Control of Robotic Ankle Therapy Device.	1 year	1,50,000/-
H)	PGIMER, Chandigarh				
26	Dr. Anjali Aggarwal, Associate Prof., Deptt. Of Anatomy, PGIMER, Chandigarh. 9417357035,	Dr. Hemant K, Asst. Prof., Deptt. Of Surgery, PGIMER, Chandigarh.  Dr. Daisy Sahni, Prof. & Head, Deptt. Of Anatomy, PGIMER, Chandigarh.	Elucidation of the role of CCL5/CCR1 chemokines axes as a tumor biomarker in patients with adenocarcinoma pancreas.	1 Year	50,000/-
27	Dr. Ashish Sharma, Prof. & Head, Deptt. Of Renal Transplant Surgery, PGIMER, Chandigarh. 7087009642.	Dr. Smita Pattanaik, Addl. Prof., Deptt. Of Pharmacology, PGIMER, Chandigarh.  Dr. Deepesh B Kanwar, Additional	Corelation between Pre-Transplant Tacrolimus Single-Dose Trough concentrations and Post-Transplant Steady-State Trough concentrations.	1 Year	99,750/-



		Professor, Deptt. Of Renal Transplant Surgery, PGIMER, Chandigarh.  Dr. Savita Verma Attri, Prof., Deptt. Of Pediatrics, PGIMER, Chandigarh.			
28	Dr. Deepesh B. Kenwar, Additional Prof, Deptt. Of Renal Transplant Surgery, PGIMER, Chandigarh. 9417434184.	Dr. Smita Pattanaik, Addl. Prof., & Head, Deptt. Of Pharmacology, PGIMER, Chandigarh.  Dr. Ashish Sharma, Prof. & Head, Deptt. Of Renal Transplant Surgery, PGIMER, Chandigarh.	Correlation between AUC of mycophenolate mofetil and its gastrointestinal tolerability in renal transplant recipients.	6 Months	96,667/-
29	Dr. Hemant Bhagat, Addl Prof., Deptt. Of Anaesthesia and Intensive Care, PGIMER, Chandigarh. 7087009529	Dr. Sujata Ghosh, Prof., Deptt. Of Experimental Medicine and Biotechnology, PGIMER, CHD.  Dr. Rajesh Chhabra, Prof., Deptt. Of Neurosurgery, PGIMER, CHD.	Evaluation of ORM1 and MMP9 as biomarkers for intracranial aneurysm.	1 Year	1,00,000/-
30	Dr. Nidhi Bhatia, Addl. Prof., Deptt. Of Anesthesia and Intensive Care, PGIMER, Chandigarh. 7087008483, 9914207483.	Dr. Vikas Saini, Additional Prof., Deptt. Of Anesthesia and Intensive Care, PGIMER, Chandigarh.	Continuous Peripheral Nerve Blocks in Patients with Proximal Femur Fracture: A Prospective, Randomized Comparison Of Three Techniques.	1 Year	1,00,000/-
31	Dr. Parikshaa Gupta, Asst. Prof., Research Block-A, Deptt. Of Cytology and Gynaecological Pathology, PGIMER, Chandigarh.	a. Dr. Nalini Gupta, Prof., Deptt. Of Cytology and Gynaecological Pathology, PGIMER, Chandigarh.  b. Dr. Arvind Rajwanshi, Prof., and Head, Deptt. Of Cytology and Gynecological Pathology, PGIMER, Chandigarh.  c. Dr. Vanita Suri, Prof. And Head, Deptt. Of Obstetrics and Gynecology, PGIMER, Chd.	Evaluation of DNA Mismatch Repair protein expression in ovarian sex-cord stromal tumors.	1 Year	80,000/-
32	Dr. Rajasri Bhattacharya, Tutor (Bioinformatics), Deptt. Of	Dr. Sujata Ghosh, Prof., Deptt. Of Experimental Medicine and Biotechnology,	Identification of novel drug targets of Mycobacterium tuberculosis using in silico tools.	1 Year	1,50,000/-



	Experimental Medicine and Biotechnology, PGIMER, Chandigarh. 9780504564.	PGIMER, Chandigarh.  Dr. Dibyajyoti Bannerjee, Additional Prof., Deptt. Of Experimental Medicine and Biotechnology, PGIMER, Chandigarh.			
33	Dr. Sourabh Dutta, Prof., Deptt. Of Pediatrics (Neonatology), PGIMER, Chandigarh. 8283831967, 2755313, 2755318.	Dr. Rajarajan Paul Pandian, Senior Resident, Deptt. Of Pediatrics (Neonatology), PGIMER, Chandigarh.  Dr. Deeksha Katoch, Prof., Deptt. Of Ophthalmology, PGIMER, Chandigarh.  Dr. Reena Das, Prof., Deptt. Of Hematology, PGIMER, Chandigarh.	Determination of association between Glucose 6 phosphate dehydrogenase deficiency and Retinopathy of prematurity: A case control study.	1 Year	80,000/-
34	Dr. Virendra Singh, Prof., Deptt. of Hematology, PGIMER, Chandigarh. 7087009338, 2756338, 2756335, 2724323	Dr. Navneet Sharma, Prof., Deptt. Of Internal Medicine, PGIMER, Chandigarh.	Epidemiology of HCV, HBV and HIV in prison of Chandigarh.	1 Year	1,00,000/-  (Subject to obtaining permission from Police Deptt.)
<b>Total</b>					<b>30,36,417/-</b>

The Administrative approval shall be governed by the following terms and conditions:-

- (a) The grant-in-aid shall be utilized for the purpose it has been sanctioned and within the time frame as mentioned in Column 5 of the Administrative approval.
- (b) No part of sanctioned amount shall be used for manpower creation/maintenance or for purchase of any physical asset like computer, printer etc. No further extension, with or without additional funding, shall be granted, in any case/on any grounds. Further, the project proponents should utilize the infrastructure available in their respective institutes to the maximum extent possible and no machine/equipment available in the institutes shall be purchased from the funds sanctioned.
- (c) Where Co-Investigator/s (CI) is not from the same institute as that of the PI, the requisite permission/recommendation/clearance is to be furnished from the institute/s of the CI/s. The funds to such cases would only be disbursed after the requisite permission/recommendation/clearance from such institutions is furnished by the respective PIs/CIs.
- (d) Funds for the proposals in which Ethical Clearance is required to be obtained shall be released only after the receipt of such clearance.



- (e) The Final Report (5 Copies) along with a soft copy in CD using MS-Word Software, Utilization Certificate (in GFR 12-C for Govt. Institutions and Form 12-A for others as per GFR-2017) and Audited Statement of Expenditure shall be submitted within one month, after completion of the project.
- (f) Prior permission from the department is to be obtained for presenting/quoting/publishing etc. any part or whole of the project/data collected in the course of the project/study.

The expenditure shall be debited to the major Head "5425-Capital Outlay on Other Scientific and Environmental Research; 208-Ecology & Environment, 10-Research, 10 00 54- Investments" during the financial year 2018-19.

Chandigarh dated  
25<sup>th</sup> Oct., 2018.

Debendra Dalai, IFS  
Director Science & Technology &  
Renewable Energy,  
Chandigarh Administration.

No. S&T&RE/RP/147(18-19)/Sanc/10/2018/ 1498-1505 Dated: 26.10.18

A copy is forwarded to the following for information and necessary action: -

1. The A.G. (A&E), Punjab & Chandigarh, U.T. Sub Office, Chandigarh.
2. The A.G. (Audit), Punjab & Chandigarh, U.T., Sub Office, Chandigarh.
3. The Treasury Officer, Central Treasury, Sector 17, U.T, Chandigarh.
4. The Accounts Section, Deptt. of Science & Technology & Renewable Energy, Chandigarh Administration.
5. The Bill Clerk, Deptt. of Science & Technology & Renewable Energy, Chandigarh Administration
6. Master File.
7. To all concerned Principal Investigators of the Projects/Study.
8. Sanction File.

  
(Dr. Abdul Qayum, IFS)  
Additional Director,  
Science & Technology &  
Renewable Energy,  
Chandigarh Administration





# Department of Science & Technology & Renewable Energy, Chandigarh Administration.

Paryavaran Bhawan, 1st Floor, Sector 19-B, Madhya Marg, U.T., Chandigarh.

Tel.: +91-172-2703982 Fax: +91-172-2703968, e-mail : dstchandigarh17@gmail.com

## ORDER

Administrative approval is hereby accorded under Rule 13 of the Delegation of Financial Powers Rules, 1978, amounting to **Rs.18,78,250/- (Rupees Eighteen Lakhs Seventy Eight Thousand Two Hundred Fifty Only)** in the manner as shown below for carrying out Short Term Research Projects sanctioned to the respective PIs belonging to these institutions: -

Sr. No.	Name of the Institution	Amount to be sanctioned (Rs.)
01	The Director, PGIMER, Chandigarh.	6,23,250
02	The Director Principal, Govt. Medical College & Hospital, Sector 32, Chandigarh.	1,40,000
03	Director Health Services, Chandigarh.	1,15,000
04	Punjab Engineering College (Deemed to be University), Sector 12, Chandigarh.	2,50,000
05	CCET (Degree Wing), Sector 26, Chandigarh.	4,00,000
06	The Registrar, Panjab University, Chandigarh.	3,5,0000
	<b>Total</b>	<b>18,78,250/-</b>

The complete details of the Short Term Research Projects, including the duration of the projects are follows:-

Sr. No.	Name, Address & Mobile No. of the Principal Investigator	Name, Address & Mobile No. of the Co. Investigator.	Title of the Project	Duration of the Project	Financial Assistance Sanctioned (Rs) / Remarks
<b>A) PGIMER, CHANDIGARH</b>					
01	<b>Dr. Dibyajyoti Banerjee</b> , Prof., Deptt. of Experimental Medicine and Biotechnology, PGIMER, Chandigarh. 9780134620	<b>Dr. R. Bhattacharyya</b> , Tutor, Deptt. of Experimental Medicine and Biotechnology, PGIMER, Chandigarh.	Synthesis and Evaluation of Non Oxime Cholinesterase Reactivators; Novel Approach for Point of Cadre Detection of Organophosphorus Poisoning.	1 Year	1,50,000/-
02.	<b>Dr. Ashish Kumar Kakkar</b> , 4016, Research Block- B, PGIMER, Chandigarh. Phone No. 9868051003, 2755297.	<b>Dr. Manish Modi</b> , MD DM (Neurology), Prof., Deptt. of Neurology, PGIMER, Chandigarh. <b>Dr. Sahil Mehta</b> , MD DM (Neurology), asst. prof., Deptt. of Neurology, PGIMER, Chandigarh. <b>Dr. Shalmoli Bhattacharya</b> , PhD, Prof. and Head, Deptt. of Biophysics, PGIMER, Chd. <b>Dr. Vishal Sharma</b> MD DM (Gastroenterology) Asst. Prof., Deptt. of	Evaluation of impact of Helicobacter pylori eradication on motor and non-motor symptoms and quality of life of patients with Parkinson's disease.	1 Year	68,250/-



		Gastroenterology, PGIMER, Chd. <b>Dr. Smita Pattanaik</b> MD DM (Clinical Pharmacology), Addl. Prof., Deptt. of Pharmacology, PGIMER, Chd.			
03.	<b>Dr. R.K. Ratho</b> (Prof. & Head), Deptt. Of Virology, Research Block- A, PGIMER, Chandigarh. 9478088899, 2755170.	<b>Dr. Minni P Singh,</b> Prof., Deptt. Of Virology, Research Block- A, PGIMER, Chandigarh. <b>Dr. Sunil Taneja,</b> Asst. Prof., Deptt. Of Hematology, PGIMER, Chd.	Development of loop-mediated isothermal amplification (LAMP) assay as a rapid diagnostic tool for Hepatitis E viral (HEV) detection in outbreak setting.	1 Year	1,20,000/-
04.	<b>Dr. Manisha Biswal,</b> Prof., Deptt. Of Medical Microbiology, PGIMER, Chandigarh. Phone No. 9463307825	<b>Dr. PVM Lakshmi,</b> Prof., Deptt. Of Community Medicine, PGIMER, Chandigarh. <b>Dr. Abhishek Mewara,</b> Asst. Prof., Deptt. Of Medical Parasitology, PGIMER, Chd.	Identification of key genotypes of Orientia tsutsugamushi in rodents and chiggers from Chandigarh.	1 Year	1,45,000/-
05.	<b>Dr. Renjith R. Pillai,</b> Asst. Prof., Drug De-Addiction and Treatment Centre, Deptt. Of Psychiatry, PGIMER, Chandigarh. Phone No. 7087003435, 2756889.	<b>Dr. Abhishek Ghosh,</b> Asst. Prof., Drug De-Addiction and Treatment Centre, Deptt. Of Psychiatry, PGIMER, Chandigarh. <b>Dr. Ruchita Shah,</b> Asst. Prof., Child and Adolescent Psychiatry, Deptt. Of Psychiatry, PGIMER, Chandigarh. <b>Dr. Akhilesh Sharma,</b> Asst. Prof., Child and Adolescent Psychiatry, Deptt. Of Psychiatry, PGIMER, Chandigarh. <b>Dr. Kamal Kishore,</b> Lecturer, Deptt. Of Biostatistics, PGIMER, Chd.	Mental Health Literacy among the school teachers in Chandigarh Union Territory.	1 Year	35,000/-
06.	<b>Dr. Pankaj C. Vaidya,</b> Addl. Prof., Deptt. Of Pediatrics, Advanced Paediatric Centre, PGIMER, Chd. 8146633158, 7087009201.	<b>Dr. Amol N Patil,</b> Asst. Prof., Deptt. Of Pharmacology, PGIMER, Chandigarh.	Evaluation of Pharmacogenetic Approach For Personalizing Treatment in Pediatric Intrathoracic-Tuberculosis.	1 Year	1,05,000/-
<b>B) GOVT. MEDICAL COLLEGE AND HOSPITAL, SECTOR 32, CHANDIGARH.</b>					
07.	<b>Dr. Subash Das,</b> Associate Prof., Deptt. Of Psychiatry, Block D, Level V, GMCH-32,	<b>Dr. Sonia Puri,</b> Asst. Prof., Deptt. Of Community Medicine, GMCH, Chandigarh.	Screening for Depression and Dementia in the elderly persons of Chandigarh- A Community based	1 Year	80,000/-



	Chandigarh.	<b>Dr. B S Chavan</b> , Director Principal, GMCH Cum Prof. & HOD, Deptt. Of Psychiatry, GMCH, Chandigarh.	study.		
08.	<b>Dr. Sonia Puri</b> , Asst. Prof., Deptt. Of Community Medicine, GMCH- 32, Chandigarh.	<b>Dr. Sarabjeet Singh</b> <b>Lehl</b> , Prof. Deptt. Of Medicine, GMCH- 32, Chandigarh. <b>Dr. Monica Gupta</b> , Associate Prof., Deptt. Of Medicine, GMCH-32, Chd. <b>Dr. N K Goel</b> , Prof., Deptt. Of Community Medicine, GMCH-32, Chandigarh.	Barriers in Health Seeking Behaviour of Elderly of Chandigarh- A Community based study.	1 Year	60,000/-
<b>C) DIRECTOR HEALTH SERVICES, CHANDIGARH ADMINISTRATION.</b>					
09.	<b>Dr. G. Dewan</b> , Director Health Services, Chandigarh Administration. 9876027113, 2700255.	<b>Dr. Neelam Taneja</b> , Prof. & In-charge enteric Lab, Deptt. Of Medical Microbiology, PGIMER, Chd. <b>Dr. Kawaljeet Singh</b> <b>Sandha</b> , Medical Officer (Lab), Civil Hospital Manimajra, Chandigarh. <b>Dr. Ruby Jain</b> , Microbiologist (IDSP), Civil Hospital, Manimajra, Chandigarh.	Assessing bacteriological safety of drinking water and detection of waterborne bacterial pathogens from source of supply to point of use, by conventional and molecular assays in Manimajra, Chandigarh.	1 Year	1,15,000/-  (Dr. Kawaljeet Singh Sandha recused himself as member of the committee during this project)
<b>D) PUNJAB ENGINEERING COLLEGE (DEEMED TO BE UNIVERSITY), CHANDIGARH.</b>					
10	<b>Prof. Sibby</b> <b>John</b> , Civil Engineering Department, PEC University of Technology, Chandigarh.	N.A.	Monitoring and Assessment of Eutrophication Potential of Sukhna Lake, Chandigarh.	2 Years	2,50,000/-
<b>E) CCET (DEGREE WING), SECTOR 26, CHANDIGARH.</b>					
11.	<b>Dr. Dinesh</b> <b>Sharma</b> , Asst. Prof., (ECE Dept.), CCET (Degree Wing), Sector 26, Chd.	<b>Dr. Davinder Singh</b> <b>Saini</b> , Prof & HOD (ECE), CCET (Degree Wing), Sector 26, Chandigarh.	Antenna Design for Energy Harvesting at RF Frequency.	1 Year	1,00,000/-
12.	<b>Dr. Jatinder</b> <b>Madan</b> , Prof. And Head, Mechanical Engineering Department, Chandigarh College of Engineering and Technology (CCET), Degree Wing, Chandigarh. Phone No. 8427603574.	<b>Dr. Rajesh Kumar</b> , Prof. & Head, Civil Engineering Deptt., CCET (Degree Wing), Chandigarh. <b>Dr. D S Saini</b> , Prof. & Head, Electronics and Communication Engineering Deptt., CCET (Degree Wing), Chandigarh. <b>Dr. Sunil Kumar</b> Singh, Prof. & Head, Computer Science and Engineering,	Design and Development of an automatic modular car parking system for the city of Chandigarh.	1 Year	3,00,000/-



		CCET (Degree Wing), Chandigarh.			
F)	PANJAB UNIVERSITY, CHANDIGARH.				
13.	<b>Prof. Manoj Kumar Sharma</b> , Associate Prof., Electrical and Electronics Engineering, UIET, Panjab University, Chandigarh. 9872825095.	<b>Nisha Tayal</b> , Asstt. Prof., Electrical and Electronics Engineering, UIET, Panjab University, Chandigarh.	Design, Development and Fabrication of Electronic Preferential Voting Machine (EPVM).	1 Year	1,50,000/-
14*	<b>Dr. Naveen Gupta</b> , Deptt. of Microbiology, Panjab University, Chandigarh. Phone No. 9872692680, 9041062680.	N.A.	To Study Microbial Biodiversity of air of Chandigarh and Impact of waste dumping sites and sewage treatment plants on Microbiological contamination of Air.	1 Year	2,00,000/-
				<b>Total</b>	<b>18,78,250/-</b>

*\*The Administrative Approval/Sanction for Short Term Research Project to Dr. Naveen Gupta, Deptt. of Microbiology, Panjab University, Chandigarh titled "Developing a strategy for the management of organic waste by composting at institutional and individual level (standardization and popularization of the process)" for one year vide Order No.S&T&RE/RP/147 (18-19)/Sanc/10/2018/1498-1505, dated 26.10.2018 is hereby withdrawn on account of present short term research project sanctioned to the PI at Sr. No.14.*

The Administrative approval shall be governed by the following terms and conditions:-

- The grant-in-aid shall be utilized for the purpose it has been sanctioned and *within the time frame as mentioned in Column 5 of the Administrative approval.*
- No part of sanctioned amount shall be used for manpower creation/maintenance or for purchase of any physical asset like *Computers/Laptops, Pen Drives, Hard Drives, Printer etc.* No further extension, with or without additional funding, shall be granted, in any case/on any grounds. Further, the project proponents should utilize the infrastructure available in their respective institutes to the maximum extent possible and no machine/equipment available in the institutes shall be purchased from the funds sanctioned.
- Where Co-Investigator/s (CI) is not from the same institute as that of the PI, the requisite permission/recommendation/clearance is to be furnished from the institute/s of the CI/s. The funds to such cases would only be disbursed after the requisite permission/recommendation/clearance from such institutions is furnished by the respective PIs/CIs.
- Funds for the proposals in which *Ethical Clearance* is required to be obtained shall be released only after the receipt of such clearance.
- The Final Report (5 Copies) along with a soft copy in CD using MS-Word Software, Utilization Certificate (in GFR 12-C for Govt. Institutions and Form 12-A for others as per GFR-2017) and Audited Statement of Expenditure shall be submitted within one month, after completion of the project.
- Prior permission from the department is to be obtained for presenting/quoting/publishing etc. any part or whole of the project/data collected in the course of the project/study.

The expenditure shall be debited to the major Head "5425-Capital Outlay on Other Scientific and Environmental Research; 208-Ecology & Environment, 10-Research, 10 00 54- Investments" during the financial year 2018-19.

Chandigarh dated  
25<sup>th</sup> Feb., 2019.

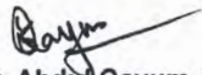
Debendra Dalai, IFS  
Director Science & Technology &  
Renewable Energy,  
Chandigarh Administration.

No. S&T&RE/RP/147(18-19)/Sanc/02/2019/ 336-343

Dated: 28.2.19

A copy is forwarded to the following for information and necessary action: -

1. The A.G. (A&E), Punjab & Chandigarh, U.T. Sub Office, Chandigarh.
2. The A.G. (Audit), Punjab & Chandigarh, U.T., Sub Office, Chandigarh.
3. The Treasury Officer, Central Treasury, Sector 17, U.T, Chandigarh.
4. The Accounts Section, Deptt. of Science & Technology & Renewable Energy, Chandigarh Administration.
5. The Bill Clerk, Deptt. of Science & Technology & Renewable Energy, Chandigarh Administration
6. Master File.
7. To all concerned Principal Investigators of the Projects/Study.
8. Sanction File.

  
(Dr. Abdul Qayum, IFS)  
Additional Director,  
Science & Technology &  
Renewable Energy,  
Chandigarh Administration.



F.Y. 2019-20



Department of Science & Technology & Renewable Energy,  
Chandigarh Administration.  
Paryavaran Bhawan, 1st Floor, Sector 19-B, Madhya Marg, U.T., Chandigarh.  
Tel.: +91-172-2703982 Fax: +91-172-2703968, e-mail : dstchandigarh17@gmail.com

### ORDER

Administrative approval is hereby accorded under Rule 13 of the Delegation of Financial Powers Rules, 1978, amounting to **Rs.18,53,000/- (Rupees Eighteen Lakh Fifty Three Thousand Only)** in the manner as shown below for carrying out Short Term Research Projects sanctioned to the respective PIs belonging to these institutions: -

Sr. No.	Name of the Institution	Amount to be sanctioned (Rs.)
01	The Director Principal, Govt. Medical College & Hospital, Sector 32, Chandigarh.	3,13,000
02	The Director PGIMER, Chandigarh	75,000
03	The Registrar, Panjab University	1200000
04	Govt. Home Science College Sector 10, Chandigarh.	90,000
05	Shri Guru Gobind Singh College Sector 26 Chandigarh	50,000
06	Mehr Chand Mahajan DAV College for Women, Sector 36 A Chandigarh.	75000
07.	PG Govt. College for Girls, Sector 11 Chandigarh.	50,000
	Total.	<b>18,53,000/-</b>

The complete details of the Short Term Research Projects, including the duration of the projects are follows: -

Sr. No.	Name, Address & Mobile No. of the Principal Investigator	Name, Address & Mobile No. of the Co. Investigator.	Title of the Project	Duration of the Project	Financial Assistance Sanctioned (Rs) / Remarks
<b>A) GOVT. MEDICAL COLLEGE AND HOSPITAL, SECTOR 32, CHANDIGARH.</b>					
01	Dr. Nidhi Gupta, Asst. Prof. (Radiation Oncology,) Government Medical College and Hospital, Sector-32, Chandigarh, Phone No. 9876274411 E Mail:- nidhiprinja@gmail.com	Dr. Awadesh Kumar Pandey prof. & Head, Deptt. of Radiation Oncology, GMCH-32, Chandigarh.  Dr. Shankar Prinja, Additional Pof. And Health Economics School of Public Health, PGIMER-12, Chandigarh.	Health Related Quality of life among Breast Cancer Patients in Chandigarh.	1 Year	50000
02.	Dr. Shikha Rani, Asst. Prof. cum Maternal & Child Welfare Officer, Deptt. of Obstetrics & Gynecology, GMCH-32 Chandigarh.	1. Dr. Alka Sehgal, Prof. Deptt of Obstetrics & Gynecology, GMCH-32, Chandigarh.  2. Dr. Jasbinder Kaur, Prof. & Head, Deptt. of Biochemistry, GMCH-32, Chandigarh.  3. Dr. R F S Punia, Prof., Deptt. Of Obstetrics & Gynecology, GMCH-	Human Epididymis Protein 4 as tumour biomarker in tuboovarian Cancer.	2 Year	90000



		32,			
03.	Dr. Deepak Sharma, Senior Lecturer, Deptt. Of Community Medicine Govt. Medical College & Hospital, Sector-32, Chandigarh, Phone No. 8968549054 E-Mail.	Dr. Naveen Krishan Goel, Prof. & Head, Deptt. Of Community Medicine, Govt. Medical College & Hospital, Sector-32, Chandigarh.	Prevalence and predictors of physical inactivity among adults.	1 Year	23000
04.	Dr. Ravi Gupta Prof., Deptt. Of Orthopaedics, Government Medical College & Hospital, 32-B, Chandigarh. Phone No. 9646121592, 9653221300. E-Mail ravigupta2000@yahoo.com	Prof. Parmanand Gupta, Deptt. Of Orthopaedics, GMCH-32, Chandigarh.  Prof. Ravinder Kaur, Deptt. Of Radiodiagnosis, GMCH-32, Chandigarh.  Dr. Narinder Kaur, Associate Prof. Deptt. Of Radiodiagnosis, GMCH-32, Chandigarh.  Dr. Ashwani Soni, Associate Prof., Deptt. Of Orthopaedics, GMCH-32, Chandigarh.	Correlation between ligamentization of two Anterior Cruciate Ligament grafts (Bone-Patellar Tendon-Bone vs Semitendionosis with gracilis with preserved insertion) with functional outcome: A randomized control trial.	1.5 Years	150000
<b>B) POST GRADUATE INSTITUTE OF MEDICAL EDUCATION AND RESEARCH (PGIMER) SECTOR 12 CHANDIGARH.</b>					
05.	Dr. Shipra Gupta, Asst. Prof. Unit of Periodontics, Oral Health Science Centre, PGIMER Phone No. 9876034881  E-Mail teena1472@yahoo.co.in	Dr. Jyoti Gupta, MDS, Asst. Prof., Deptt. Of Periodontics, Dr. H.S. Judge Institute of Dental Sciences and Hospital, Panjab University, Chandigarh.  Dr. Mili Gupta, Asst. Prof., Deptt. Of Biochemistry Dr. H.S. Judge Institute of Dental Sciences and Hospital, Panjab University, Chandigarh.  Dr. Sukant Garg, Associate Prof.,	Evaluation of Three dimensional structure and Cytokine distribution of Essence of Platelet-rich fibrin (ePRF) in Diabetic patients with concomitant Chronic Periodontics: An Electron Microscopic & Biochemical Analysis).	1 Year	75000



		<p>Deptt. Of Pathology, Dr. H.S. Judge Institute of Dental Sciences and Hospital, Panjab University, Chandigarh</p> <p>Dr. Krishan Gauba Prof. &amp; Head, Oral Health Science Centres PGIMER</p>			
<b>C) PANJAB UNIVERSITY CHANDIGARH.</b>					
06.	<p>Prof. Seema Kapoor, Dr. SSB University Institute of Chemical Engineering &amp; Technology, Panjab University Chandigarh. Phone No. 9815756789, 9501013054 seemakapoor@p u.ac.in</p>	<p>Prof. Uma Batra, Deptt. of Materials &amp; Metallurgical Engineering PEC (  Deemed to be University Chandigarh.</p>	<p>Investigations on Degradation Studies of Calcium Sulphate Based Cement.</p>	1 Year	120000
07.	<p>Dr. Shankar Sehgal, Associate Prof. in Mechanical Engg. UIET, Panjab University, Chandigarh, Phone No. 9501024161 E Mail sehgal@pu.ac.in</p>	<p>Dr Mukesh Kumar, Associate Prof. In CSE UIET, Punjab University Chandigarh</p>	<p>Real time damage identification and monitoring in structural building model through smart sensors.</p>	1 Year	100000
08.	<p>Dr. Veena Puri, Asst. Prof. Centre for Systems Bioinformatics, Panjab University Chandigarh Phone No. 9780283821 Email vpuri1825@pu.ac. in</p>	<p>Prof. Sanjeev Puri, Prof. Biotechnology Branch UIET, Punjab Universtiy Chandigarh</p>	<p>Understanding the Renoneural axis in Acute kidney injury.</p>	1 Year	140000
09.	<p>Dr Savita Chaudhary Asst. Prof. Department of Chemistry, <b>Panjab University,</b> Phone No. 9417250377, E Mail schaudhary@pu.a c.in</p>	N.A.	<p>Natural biomass derived Carbon dots: Emerging nanomaterials for Chemical and pathogenic clean-up of wastewater.</p>	1 Year	80000
10.	<p>Dr. Tamanna R. Saharawat, Asst. Prof. Centre for Systems Biology &amp; Bioinformatics UIEAST, <b>Panjab</b></p>	<p>Dr. Rajeev Kumar, Asst. Prof. Deptt. of Environment Studies, Punjab University chandigarh.</p>	<p>Identification of novel-vector control target proteins of Aedes sp. A system Network Biology Approach.</p>	1 Year	110000



	<b>University</b> Chandigarh Phone No. 09876033577 E Mail:- tammanna@pu.a c.in				
11.	Dr. Gural Singh UIPS, Sector 14 Chandigarh Phone No. 0987139832	(a) Prof. Bhupinder Singh Bhoop, UIPS, Punjab University Chandigarh.  (b) Dr. Ravi Pratap Barnwal, Deptt. of Biophysics, BMS-2, Sector 25, Punjab University Chandigarh.  (c ) Dr. Neha Singla, Deptt. of Biophysics, BMS-2 Sector 25 Punjab University Chandigarh.	Development of gold nanoparticle based lateral flow detection kit for Vitamin D deficiency.	1 Year	150000
12.	Dr. Madhu Khatri, Asst. Prof. UIET, <b>Panjab University</b> Chandigarh Phone No. 9780021944 Email madhuk@pu.c.in	Dr.Neha Bhardwaj Inspire Faculty, UIET, Punjab University, Chandigarh	Cost Effective Portable Nanofilter for contaminated Waters of Chandigarh	1 Year	150000
13.	Dr. Seemha Rai, Stem Cell Tissue Engineering and Biomedical Excellence, Panjab University, Chandigarh. Phone No. 9855105719. Email:- seemharai@hotm ail.com	Prof. Sanjeev Puri, Deptt. Of Biotechnology, UIET, Panjab University, Chandigarh.	Study of the effect of Amla extract on high glucose induced apoptosis on in vitro model of Diabetic Nephritis by using cultured rat kidney proximal tubular epithelial cells (NRK 52 E)	1 Year	125000
14.	Dr. Anu Priya Minhas, Asst. Prof. Biotechnology, Engineering University Institute of Engineering and Technology (UIET) <b>Panjab University</b> Chandigarh. Phone No. 828400446, 9915647892 E mail annuminhas@gm ail.com	Dr. Sanjeev Puri, Prof. Deptt. of Biotechnology, Universtiy Institute of Engineering and Technology UIET Sector 25, Campus, Punjab University Chandigarh.	Biochemical assessment of efficacy of L- asparaginase, a chemotherapeutic agent fro Oryza cultivars.	1 Year	75000
15.	Dr. Richa Rastogi Thakur, Asst. Prof. Centre for Nanoscience and Nanoscience and	Dr. Pushpinder Kaur, Asst. Prof. Deptt of Chemistry Sri Guru Gobind Singh College.	Development of carbon nanotube based Biodegradable inkjet printed electrodes for routine	1 Year	150000



	Nanotechnology. South Campus <b>Panjab university</b> Sector 25 Chandigarh. Phon e No. 9992550488 Email richa.bend@gmail .com	Deptt. of Chemistry Sri, Guru Gobind Singh College, South Campus Punjab University, Sector 25 Chandigarh Phone No. 9992550488 E mail richa.bend@gmail.co m	analysis of Hemoglobin		
<b>D) GOVT. HOME SCIENCE COLLEGE SECTOR-10 CHANDIGARH</b>					
16.	Dr. Ritu Pradhan, Associate Prof. and Head, Deptt. of Foods and Nutrition, Govt. Home Science College Sector-10 Chandigarh.	Ms. Saloni, Jain, Asst. Prof. DAV College Sector 10 Chandigarh.	To Study the relationship between Wash (Water, Sanitation, and Hygeine) practices and micronutrient deficiencies in adolescents.	1 Year	90000
<b>E) SRI GURU GOBIND SINGH COLLEGE, SECTOR 26 CHANDIGARH</b>					
17.	Dr. Kawalpreet Kaur, Asst. Prof. Deptt Of Botany Sri Guru Gobind Singh College, Sector 26 Chandigarh Phone No. 9041011626	-----	Comparing the Efficacy of Vermicomposting and Bacterial Composting Units Supplemented on Fallen tree leaves Chandigarh.	1 Year	50000
<b>F) MEHR CHAND MAHAJAN DAV COLLEGE FOR WOMEN, SECTOR 36 A CHANDIGARH</b>					
18.	Dr. Purnima Bhandari, Asst. Prof. Deptt of Botany Mehr Chand Mahajan DAV College for Women, Sector 36 A Chandigarh Phone No. 9872863320 Email Purnima3320@g mail.com	N.A.	Comparative influence of vermicompost fertilization and or nitrogen fixing bacteria on plant growth attributes and nodulation efficiency of Cicer arietinum L.	1 Year	75000
<b>G) PG GOVT. COLLEGE FOR GIRLS, SECTOR 11 CHANDIGARH</b>					
19.	Dr. Anita Kaushal, Principal, PG Govt. College for Girls, Sector 11, Chandigarh. Phone No. 08054535900, 9463101032 E Mail ID Dbhv90@gmail.c om	Dr. Umesh Bharti, Associate Prof. PG Govt College for Girls, Sector 11 Chandigarh.	To Study the impact of electromagnetic radiations on adolescents and adult population of Chandigarh.	<b>1 Year</b>	50000
	<b>TOTAL</b>				<b>18,53,000/-</b>

The Administrative approval shall be governed by the following terms and conditions:-

- The grant-in-aid shall be utilized for the purpose it has been sanctioned and *within the time frame as mentioned in Column 5 of the Administrative approval.*
- No part of sanctioned amount shall be used for manpower creation/maintenance or for purchase of any physical asset like *Computers/Laptops, Pen Drives, Hard Drives, Printer etc.* No further extension, with or without additional funding, shall be granted, in any case/on any grounds. Further, the project



proponents should utilize the infrastructure available in their respective institutes to the maximum extent possible and no machine/equipment available in the institutes shall be purchased from the funds sanctioned.

(c) Where Co-Investigator/s (CI) is not from the same institute as that of the PI, the requisite permission/recommendation/clearance is to be furnished from the institute/s of the CI/s. The funds to such cases would only be disbursed after the requisite permission/recommendation/clearance from such institutions is furnished by the respective PIs/CIs.

(d) The parent institute of the PIs shall ensure that the funds for the project proposals in which Ethical clearance is required to be obtained be released to the respective PIs only after the proposal is cleared ethically by the institute's ethics committee. A copy of the same shall also be submitted to the department.

(e) The Final Report (5 Copies) along with a soft copy in CD using MS-Word Software, Utilization Certificate (in GFR 12-C for Govt. Institutions and Form 12-A for others as per GFR-2017) and Audited Statement of Expenditure shall be submitted within one month, after completion of the project.

(f) Prior permission from the department is to be obtained for presenting/quoting/publishing etc. any part or whole of the project/data collected in the course of the project/study.

The expenditure shall be debited to the major Head "5425-Capital Outlay on Other Scientific and Environmental Research; 208-Ecology & Environment, 10-Research, 10 00 54- Investments during the financial year 2019-20.

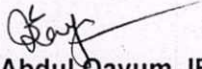
Chandigarh dated  
25<sup>th</sup> Oct, 2019.

Debendra Dalai, IFS  
(Director) Science & Technology &  
Renewable Energy,  
Chandigarh Administration.

No. S&T&RE/RP/147(19-20)/Sanc/10/2019/ 1703-1710 Dated: 31.10.19

A copy is forwarded to the following for information and necessary action: -

1. The A.G. (A&E), Punjab & Chandigarh, U.T. Sub Office, Chandigarh.
2. The A.G. (Audit), Punjab & Chandigarh, U.T., Sub Office, Chandigarh.
3. The Treasury Officer, Central Treasury, Sector 17, U.T, Chandigarh.
4. The Accounts Section, Deptt. of Science & Technology & Renewable Energy, Chandigarh Administration.
5. The Bill Clerk, Deptt. of Science & Technology & Renewable Energy, Chandigarh Administration
6. Master File.
7. To all concerned Principal Investigators of the Projects/Study.
8. Sanction File.

  
(Dr. Abdul Qayum, IFS)  
Additional Director  
Science & Technology &  
Renewable Energy,  
Chandigarh Administration.





# Department of Science & Technology & Renewable Energy, Chandigarh Administration.

Paryavaran Bhawan, 1st Floor, Sector 19-B, Madhya Marg, U.T., Chandigarh.  
Tel.: +91-172-2703982 Fax: +91-172-2703968, e-mail : dstchandigarh17@gmail.com

## ORDER

Administrative approval is hereby accorded under Rule 13 of the Delegation of Financial Powers Rules, 1978, amounting to **Rs. 31,06,000/- (Rupees Thirty One Lakh Six Thousand Only)** in the manner as shown below for carrying out Short Term Research Projects sanctioned to the respective PIs belonging to these institutions: -

Sr. No.	Name of the Institution	Amount sanctioned (in Rs.)
1.	Govt. Medical College and Hospital Sector-32 Chandigarh.	Rs. 3,15,000/-
2.	Panjab University, Chandigarh.	Rs. 20,20,000/-
3.	Panjab Engineering College Sector-12 Chandigarh.	Rs. 4,46,000/-
4.	GGDSD College Sector-32 Chandigarh.	Rs. 1,25,000/-
5.	Mehr Chand Mahajan DAV College for Women Sector-36 A Chandigarh.	Rs. 1,00,000/-
6.	National Institute of Technical Teacher Training & Research, Sector 26 Chandigarh.	Rs. 1,00,000/-
	<b>Total</b>	<b>Rs. 31,06,000/-</b>

The complete details of the Short Term Research Projects, including the duration of the projects are follows: -

Sr. No	Name, Address & Mobile No. of the Principal Investigator	Name, Address & Mobile No. of the Co. Investigator.	Title of the Project	Duration of the Project	Financial Assistance Sanctioned (Rs)/ Remarks
<b>A</b>	<b>GOVT. MEDICAL COLLEGE AND HOSPITAL, SECTOR 32, CHANDIGARH.</b>				
1.	Dr. Ashwani Soni, Asst. Prof. (Orthopaedics) GMCH, Sector-32, Chandigarh, Phone No. 9855559086 E Mail:- asoniortho@gmail.com	1. Dr. Ravi Gupta, Deptt. of Orthopaedics, G.M.C.H, Sector 32-B, Chandigarh.  2. Dr. Sudhir Kumar Garg, Deptt. of Orthopaedics G.M.C.H, Sector 32-B, Chandigarh.  3. Dr. Naveen Kumar, Deptt. of Mech Engineering, IIT Ropar, Panjab.  4. Dr. Sachin Kumar, Deptt. of Mech Engineering, IIT Ropar, Panjab	<b>Advance glycation end-products (AGE) breaker improving mechanical property of osteoarthritic cartilage – A qualitative analysis.</b>	6 months	1,25,000



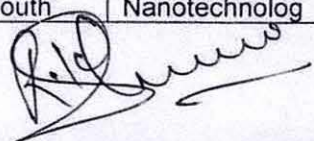
2.	Prof. Varsha Gupta, Deptt. of Microbiology, GMCH, Sector 32, Chandigarh. Phone No. 9646121571.	1. Dr. Meenakshi Singh, Demonstrator, Deptt. of Microbiology, GMCH, Sector 32, Chandigarh.  2. Dr. Neelam Gulati, Asst. Prof., Deptt. of Microbiology, GMCH, Sector 32, Chandigarh.  3. Prof. N.K. Goel, Deptt. of Community Medicine, GMCH, Sector 32, Chandigarh.  4. Prof. Jagdish Chander, Deptt. of Microbiology, GMCH, Sector 32, Chandigarh	Carriage of pathogenic microorganisms in gastrointestinal tract in Chandigarh population.	1 Year	1,50,000
3.	Dr. Subina Narang, Associate Prof., Deptt. of Ophthalmology, GMCH-32, Chandigarh. Phone No. 9646121587. E-mail: <a href="mailto:subina_navya@yahoo.com">subina_navya@yahoo.com</a>	1. Dr. Suksham Jain, Prof. And Head, Deptt. of Neonatology, GMCH, Sector 32, Chandigarh.  2. Dr. Deepak Chawla, Prof., Deptt. of Neonatology, GMCH, Sector 32, Chandigarh	Incidence and risk factors of retinopathy of prematurity among preterm neonates born at > 32 weeks of gestation in an accredited level 2 nursery.	15 months	40,000
			<b>TOTAL</b>		<b>Rs. 3,15,000/-</b>
<b>B. PUNJAB UNIVERSITY CHANDIGARH.</b>					
4.	Dr. Urvashi Sharma Associate Professor, Department of Pedodontics, Dr. H.S. Judge Institute of Dental Sciences & Hospital, PU, Chd Email. <a href="mailto:Urvashi233@gmail.com">Urvashi233@gmail.com</a>	1. Dr. Namrata C. Gill, Assistant Professor, Department of Pedodontics Dr. H.S. Judge Institute of Dental Sciences & Hospital, Panjab University Email. <a href="mailto:namratagill@gmail.com">namratagill@gmail.com</a>	A Comparative evaluation of conventional pulpectomy and lesion sterilization and tissue repair (LSTR) using double antibiotic paste in primary molars.	1 Year	1,00,000



		2. Dr. Sidhi Passi Assistant Professor, Department of Pedodontics Dr. H.S. Judge Institute of Dental Sciences & Hospital, Panjab University			
5.	Dr. Shweta Sharma(PI) Assistant Professor (Chemical Sciences) Institute of Forensic Science & Criminology PU, Chd	N.A.	Photocatalytic remediation of polluted water	1 Year	1,50,000
6.	Prof. Geeta Shukla, Deptt. of Microbiology, Panjab University, Chandigarh. E-mail: geetashukla@pu.ac.in	N.A.	To assess the effect of indigenous probiotic isolate in high fat diet induced model of metabolic syndrome: an experimental study.	10 months	1,00,000
7.	Dr. Amit Thakur, Asst. Prof., UIET, Panjab University, Chandigarh. Phone No. 9988029009. E-mail: pecamit26@gmail.com	1. Prof. Manu Sharma, UIET, Panjab University, Chandigarh. 2. Dr. Gargi Ghoshal, Asst. Prof.(Food Technology), Dr. S.S. Bhatnagar University Institute of Chemical Engg. & Technology, Panjab University, Chandigarh	Development of a machine to convert kitchen waste into animal-feed.	1 Year	1,50,000
8.	Dr. Neha Singla, Deptt. of Biophysics, Panjab University, Chandigarh. Phone No. 9888562148. E-	1. Dr. Ravi Partap Barnwal, Deptt. of Biophysics, Panjab University, Chandigarh.	Designing of one step detection kit for the pesticides	1 Year	1,50,000



	mail: nehasbpu@gmail.com	2. Dr. Gurpal Singh, UIPS, Panjab University, Chandigarh.			
		3. Dr. Vishal Agrawal, Deptt. of Biochemistry, Panjab University, Chandigarh			
9.	Dr. Naveen Gupta, Deptt. of Microbiology, Basic Medical Sciences, Block-I, South Campus PU, Sec 25, Chd. 9872692680, E-Mail: ng.puchd@gmail.com	N.A.	Ecological assessment of Sukhna Lake Chandigarh- Analysis of Physiochemical and Microbiological Parameters to Monitor the Pollution Level.	1 Year	2,50,000
10.	Dr. Sarv narinder Kaur, Asst. Prof., Chairperson, Deptt. of Biophysics, PU, Chd. Phone No. 9888730202, 7888893415. E-Mail: sarv narinder@pu.ac.in	Prof. Ashwani Koul, Deptt. of Biophysics, Panjab University, Chandigarh.	Study to understand the modulation of Mitogen-activated protein Kinases (MAPKs) by Fenugreek (Trigonella Foenum-Graecum) upon Bisphenol- A induced testicular damage.	1 Year	1,50,000
11.	Dr. Pavitra Ranawat, Asst. Prof., Deptt. of Biophysics, PU, Chd. Phone No. 9876606706. E-Mail: pranawat@pu.ac.in	Dr. Naveen Kaushal, Asst. Prof., Deptt. of Biophysics, Panjab University Chandigarh.	Modulation of cardiovascular complications in a mouse model of diabetic smokers by aqueous Ocimum Sanctum leaf extract.	1 Year	1,50,000
12.	Dr. Bharat Bajaj, UGC-Asst. Prof., Centre for Nanoscience and Nanotechnology, South	Dr. Akash Katoch, UGC-Asst. Prof., Centre for Nanoscience and Nanotechnology	Fabrication of activated carbon fibers from food waste water treatment.	1 Year	2,70,000





	Campus, PU, Sec 25, Chd. Phone No. 9915174325. E- Mail: bharat.bajaj201 6@gmail.com.	y, South Campus, Sector 25, Chandigarh.			
13.	Prof. Neena Capalash, Deptt. of Biotechnology, PU, Chd. Phone No. 9876241414. E- Mail: caplash@pu.ac. in	Prof. Prince Sharma, Deptt. of Microbiology, Panjab University, Chandigarh.	Development of a rapid, highly specific and sensitive Point-of- Care use Diagnostic Biosensor for Acinetobacte r baumannii infection in patients in Chandigarh Hospitals.	1 Year	2,00,000
14.	Dr. Harpreet Kaur, Head and Associate Professor, Deptt. of Zoology, PU, Chd. Phone No. 2541942, 2534201	Prof. Neelima R. Kumar, Deptt. of Zoology, Panjab University, Chandigarh.	Investigating insect (HYMENOPT ERA) Antimicrobial Peptides as potential Treatment against selected Bacterial Pathogen.	1 Year	1,25,000
15.	Dr. Deepak Kumar Rahi, Asst. Prof., Deptt. of Microbiology, Basic Medical Sciences, Block-I, South Campus, PU, Sec 25, Chd. Phone No. 9780614540. E- Mail: deepakrahi10@ rediffmail.com	N.A.	Biomanagem ent of composite Leaf waste Biomass of Chandigarh Region through Development of Pleurotus SPP. Based Value Added Products.	1 Year	1,25,000
16.	Dr. Dazy Zarabi, Chairperson, Deptt. of Community Education and Disability Studies, PU, Chd Phone No. 9915338178. E- Mail: dazyzarabi@ya hoo.co.in	Mr. Shamsad Alam, Asst. Prof., Deptt. of Community Education and Disability Studies, Panjab University, Chandigarh.	Improving Community Awareness to Prevent Disability in Chandigarh.	1 Year	1,00,000
			<b>TOTAL</b>		<b>Rs. 20,20,000/-</b>



**C) PUNJAB ENGINEERING COLLEGE, CHANDIGARH.**

17.	Dr. Tejinder Singh Saggi, Assistant Professor, EE Dept, PEC (Deemed to be University), Sec 12, Chd.	M.S. Rajeshwaran, Assistant Professor, Aerospace Engineering Dept. Panjab Engineering College, Chandigarh.	Energy conservation for street lighting through adaptive brightness	1 Year	1,00,000
18.	Dr. Sanjay Batish, Head, Computer Centre, PEC (Deemed to be University), Sec 12, Chd. 9876103706, E-mail: sbatish@pec.ac.in	1. Sh. Sushil Kumar, Network Administrator, Computer Centre, PEC (Deemed to be University), Sector 12, Chandigarh 2. Sh. Prabhsimran Singh Bindra, Network Administrator, Computer Centre, PEC (Deemed to be University), Sector 12, Chandigarh	IoT Based Accident Prevention, Detection and Alert System using GPS & Heat Mapping of Accident Prone Areas of Chandigarh.	8 months	1,00,000
19.	Dr. Sukhwinder Singh, Asst. Prof., ECE Deptt., PEC (Deemed to be University), Sec 12, Chd. 9876694949, Mail: <a href="mailto:sukhwindersingh@pec.ac.in">sukhwindersingh@pec.ac.in</a>	1 Dr. Rupali Verma Assistant Professor Computer Science Engineering College, Sector-12, Chandigarh.	Development of a Novel Concept To Detect And Recognise Any Forced Physical Act Conducted By Suspicious Human/s Against Women In Public Parks.	18 month	2,46,000
			<b>TOTAL</b>		<b>Rs. 4,46,000/-</b>

**D) S.D. COLLEGE, SECTOR 32 CHANDIGARH.**

20.	Dr. Jasveen Dua, Associate Prof., Goswami Ganesh Dutta S.D. College, Sec 32-C, Chd. 9915731482, E-Mail: <a href="mailto:jasveen1956@gmail.com">jasveen1956@gmail.com</a>	1. Dr. Samriti Dhawan, GGSD College, Sector 32-c, Chandigarh. 2. Dr. Shivani Saini, GGSD College, Sector -32C, Chandigarh	Physico-Chemical characterization of effluents and toxicity study of lead as a pollutant in samples collected from different industries in and around Chandigarh.	1 Year	1,25,000
			<b>TOTAL</b>		<b>Rs. 1,25,000/-</b>



E). MEHR CHAND MAHAJAN DAV COLLEGE FOR WOMEN, SECTOR 36 A CHANDIGARH.					
21.	Dr. Vandana Sharma, Asst. Prof., Deptt. of Food Science, MCM DAV College for Women, Chandigarh. Phone No. 9914084438, E-Mail: vandanamcm5@gmail.com	Dr. Sandeep Kaur, Deptt. of Food Science, MCM DAV College for Women, Chd.	Pilot Study to Restore and Protect Nagar van habitat using Mycoremediation and Mycofiltration Practices.	1 Year	1,00,000
			<b>TOTAL</b>		<b>Rs. 1,00,000/-</b>
F) NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING & RESEARCH, SECTOR 26 CHANDIGARH.					
22.	Er. Shano Solanki, Asst. Prof., CSE, NITTTR, Chandigarh. Phone No. 9872920296. E-Mail: shano@nitttrchd.ac.in	Amit Doegar, CSE Deptt, NITTTR Chandighr.	IoT and Machine Learning Techniques Enabled Hydroponic farms.	1 Year	1,00,000
			<b>TOTAL</b>		<b>Rs. 1,00,000/-</b>
			<b>GRAND TOTAL</b>		<b>Rs. 31,06,000/-</b>

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- The Final Report (5 Copies) along with a soft copy in CD using MS-Word Software, Utilization Certificate (in GFR 12-C for Govt. Institutions and Form 12-A for others as per GFR-2017) and Audited Statement of Expenditure shall be submitted within one month, after completion of the project.



(5) Prior permission from the department is to be obtained for presenting/quoting/publishing etc. any part or whole of the project/data collected in the course of the project/study.

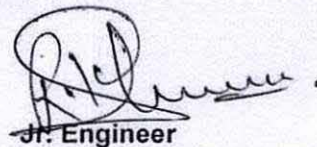
Chandigarh dated  
19.03.2020

Debendra Dalai, IFS  
Director Science & Technology &  
Renewable Energy,  
Chandigarh Administration.

No. S&T&RE/RP/147/e-2873/(19-20)/Sanc/03/2020/ 5324-5331 Dated:- 20.3.20

A copy is forwarded to the following for information and necessary action: -

1. The A.G. (A&E), Panjab& Chandigarh, U.T. Sub Office, Chandigarh.
2. The A.G. (Audit), Panjab& Chandigarh, U.T., Sub Office, Chandigarh.
3. The Treasury Officer, Central Treasury, Sector 17, U.T, Chandigarh.
4. The Accounts Section, Deptt. of Science & Technology & Renewable Energy, Chandigarh Administration.
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6. Master File.
7. To all concerned Principal Investigators of the Projects/Study.
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Jr. Engineer  
for Director Science & Technology,  
& Renewable Energy  
Chandigarh Administration