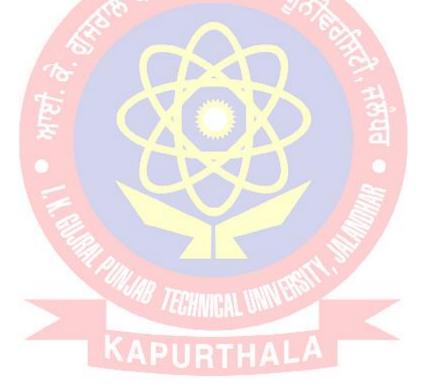
Department: IKGPTU, Mohali Campus-II

Number of Research Projects per Teacher: Sponsored by Government & Non-Government Agencies

Sl.	Documents Attached
No.	
1.	Details of Research Projects
2.	E-copies of the project award letters

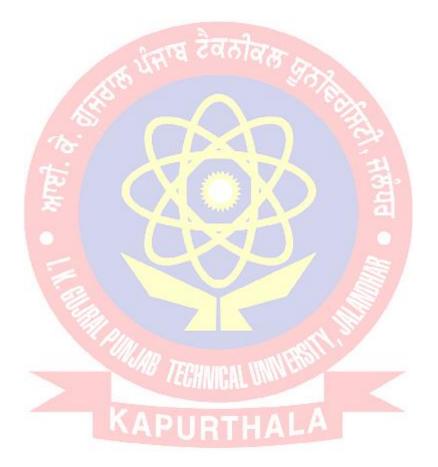


3.2.3

3.2.3

Number of Research Projects per Teacher: Sponsored by Government & Non-Government Agencies

Details of Research Projects



IKGPTU Mohali Campus-II

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3.2.2 & 3.2.3 List of Research Projects with details

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	I WITT WITTE	Type (Government/ Non-Government)	Department	Year of Award	Funds provided (INR in lakhs)	Duration of the project
Geotechnical Mapping of vulnerable landslide zones along Srinagar to Rudraprayag National Highway Uttrakhand	Dr.Mukta Sharma 🌱	DST	Government	IKGPTU Mohali Campus-II	Nov. 2018	Sanction: 2060 00 0/- (Final cost= 15 ,49,456)	3 Years

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(Dr. Mukta Sharma) Incharge IKGPTU Mohali Campus-II

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Director I.K.G.P.T.U Mohali Campus-II Number of Research Projects per Teacher: Sponsored by Government & Non-Government Agencies

E-copies of the project award letters

3.2.3



No. NRDMS/06/22/015 (G) Government of India Ministry of Science & Technology Department of Science & Technology

Technology Bhavan, New Mehrauli Road, New Delhi -110016 Date: 31/08/20 5

OIL

ORDER

Subject: Project proposal entitled "Large Scale Geological-Geotechnical Mapping of vulnerable landsliede zones along Srinagar to Rudraprayag National highvay, Uttarakhand " by Dr. Mukta Sharma Assistant professor, Geology School of built environment Punjab Institute of Technology, Mohali – 140110.

Sanction of the President is hereby accorded for the implementation of above mentioned project at a total cost of Rs.20,60,000/= (Twenty Lakh and Sixty Thousand only) for a period of two years, with breakup of Rs.1,00,00/- under Capital Head and Rs.19,60,000/= under General Head to the Director Punjab Institute of Technology Mohali- 140110. The items of expenditure for which the total allocation of Rs.20, 60,000/- has been approved are given below:

Capital Assets: Rs. 1,00,000/= (initial release) General Components: Rs.19,60,000/= (Rs.9,80,000/- initial release) Total cost of the project: Rs.20.60,000/-

S.No.	Item	1 st Year (Rs.)	2 nd Year (Rs.)	Total (Rs.)	
A.	General Expenditure				-
1.	Manpower JRF-1 @ 25,000/- p.m. + 20% H.R.A, students-3 (1000/per day for 40 field days)	3,60,000 1,20,000	3,60,000 1,20,000	7,20,000 2,40,000	
2.	Travel	2,00,000	2,00,000	4,00,000	
3.	Consumables	1,00,000	1,00,000	2,00,000	-
4.	Contingencies / Other cost	1,00,000	1,00,000	2,00,000	
5.	Overhead	1,00,000	1,00,00	2,00,000	
	Total	9,80,000	9,80,000	19,60,000	
B.	Equipment				
1.	PC-1 with Printer Hand held GPS- 2	1,00,000	NIL	1,00,000	
	Total (B)	1,00,000		1,00,000	
	Total (A+B)	10,80,000	9,80,0000	20,60,000	

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Director I.K.G.P.T.U Motali Campus-II

The release and disbursement of Rs.9,80.000/- (Rupees Nine lakhs eighty thousand only) under 'Grant-in-aid General' to the Director Punjab Institute of Technology Mohali- 140110. through RTGS mode. The required details are as under:

 Name of the account holder
 : PTU GRANT IN AID

 Name of the Bank
 : HDFC BANK

 Account Number
 : 00461450000276

 IFSC code
 : HDFC0000046

The expenditure involved is debitable to Demand No. 86, Department of Science & Technology:

3425	Other Scientific Research (Major Head)
60	Other (Sub Major Head)
60.200	Assistance to other scientific bodies (Minor head)
26	Technology Development Programme
26.01	Technology Development & Transfer
26.01.31	Grants-in-aid General for the year 2015-16 (Plan) (NRDMS Programme)

It is also certified that this is the first sanction for the project and as such the clause related to submission of utilization certificate to PAO is not applicable. It is also certified that no utilization certificate is pending against the organization for this scheme (NRDMS Programme) as per details in the PFMS also.

- The Institute will furnish to the DST. Utilization Certificate and an audited statement of accounts pertaining to the grant immediately released after the end of each financial year.
- As per rule 212(1) of GFR the accounts of all grantee institution shall be open to inspection by the sanctioning authority and Controller Auditor General of India (CAG)(DPC) Act 1971 and Principal Accounts Office, whenever the institute is called upon to do so.
- 7. The institute will maintain separate audited accounts for the project. If it is found expedient to keep a part or whole of the grant in a bank account earning interest, the interest earned should be reported to DST. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant. Guidelines and details for implementing the research project may be followed as per the details given on website www.nrdms.gov.in.

Director I.K.G.P.T.U

I.K.G.P.T.U Motrali Campus-II

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 This sanction issues in exercise of the powers conferred on this Department and in consultation with the IFD vide their Concurrence Dy. No. C/2683/IFD/2015-16 dated 25/08/2015.

-3-

9. The sanction order is entered vide NRDMS S.L. No. 115

in the register of grants Ensi

(Dr. A.K. Singh) **PSO/ Scientist**

To

PAO, DST, New Delhi.

Copy forwarded for information and necessary action to:

- 1. The Director of Audit (CW & M-II), Indraprastha Estate, AGCR Building, New Delhi.
- 2. Copy with a spare copy of sanction of the Drawing and Disbursing Officer, DST, Cash section for making necessary payment to grantee.
- 3. IF Division, DST, New Delhi.
- 4. Accounts Section, DST, New Delhi.
- 5. Sanction Folder.
- 6. Dr. Mukta Sharma Assistant professor, Geology School of built environment Punjab Institute of Technology, Mohali - 140110
- 7. The Director Punjab Institute of Technology Mohali- 140110
- 8. Head (NRDMS-NSDI), DST, New Delhi

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(Dr. A.K. Singh) PSO/ Scientist 'D'

Director I.K.G.P.T.U Mohali Campus-II No. NRDMS/06/22/015 (C) Government of India Ministry of Science & Technology Department of Science & Technology

> Technology Bhawan, New Mehrauli Road, New Delhi -110016 Date: 31/08/2015

MC

ORDER

Subject: Project proposal entitled "Large Scale Geological-Geotechnical Mapping of vulnerable landsliede zones along Srinagar to Rudraprayag National highway, Uttarakhand " by Dr. Mukta Sharma Assistant professor, Geology School of built environment Punjab Institute of Technology, Mohali – 140110.

With reference to Sanction Order No. NRDMS/06/22/015(G), sanction of the President is hereby accorded for the implementation of above mentioned project at a total cost of Rs.20,60,000/= (Twenty lakhs sixty thousand only) for a period of two years to the Director Punjab Institute of Technology Mohali- 140110. The details of the capital components are as under only with Rs.1,00,000/- under Capital Head to the

Capital Assets: Rs. 1, 00,000/- (initial release)

S.No.	Item	1 st Year (Rs.)	2 nd Year (Rs.)	Total (Rs.)
B.	Equipment			
1.	PC-1 with printer Hand held GPS-2	1,00,000	NIL	1,00,000
	Total (B)	1,00,000	-	1,00,000

Sanction of the President is also accorded for release of Rs. 1, 00, 000/- (Rupees on Lakh only) under Capital years to the Director Punjab Institute of Technology Mohal 140110 through RTGS mode. The required details are as under:

Name of the account holder: PTU GRANT IN AIDName of the Bank: HDFC BANKAccount Number: 00461450000276IFSC code: HDFC0000046

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LK.G.P.T.U Metali Campus-II

3 The expenditure involved is debitable to Demand No. 86, Department of Science & Technology:
 3425
 Other Scientific Research (Major Head)

3425	Other Scientific Research (Major Head)
60	Other (Sub Major Head)
60.200	Assistance to other scientific bodies (Minor head)
26 26.01 26.01.35	Technology Development Programme Technology Development & Transfer Grants-in-aid Capital for the year 2015-16 (Plan) (NRDMS Programme)

- The Institute will furnish to the DST. Utilization Certificate and an audited statement of accounts pertaining to the grant immediately released after the end of each financial year. It is also certified that no utilization certificate is pending against the organization for this scheme (NRDMS Programme) as per details in the PFMS also.
- All purchases of equipments etc. would be as per GFR and the disposal of the same would be done with prior approval of DST.
- 6. As per rule 212(1) of GFR the accounts of all grantee institution shall be open to inspection by the sanctioning authority and Controller Auditor General of India (CAG)(DPC) Act 1971 and Principal Accounts Office, whenever the institute is called upon to do so.
- 7. The institute will maintain separate audited accounts for the project. If it is bund expedient to keep a part or whole of the grant in a saving bank account earning interest, the interest earned should be reported to DST. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant. Guidelines and details for implementing the research project may be followed as per the details given on website www nrdms.gcv.in.
- This sanction issues in exercise of the powers conferred on this Department and in consultation with the IFD vide their Concurrence Dy. No. C/2684/IFD/2015-16 dated 25/08/2015.
- 9. The sanction order is entered vide NRDMS S.L. No. 114

in the register of grants.

(Dr. A.K. Singh) PSO/ Scientist 'D'

Director LKG.P.T.U

LK.G.P.T.U Nohali Campus-II

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То

PAO, DST, New Delhi

Copy forwarded for information and necessary action to:

- 1. The Director of Audit (CW & M-II), Indraprastha Estate, AGCR Building, New Delhi.
- 2. Copy with a spare copy of sanction of the Drawing and Disbursing Officer, DST, Cash section for making necessary payment to grantee.
- 3. IF Division, DST, New Delhi.
- 4. Accounts Section, DST, New Delhi.
- 5. Sanction Folder.
- 6. Dr. Mukta Sharma Assistant professor, Geology School of built environment Punjab Institute of Technology, Mohali - 140110
- 7. The Director Punjab Institute of Technology Mohali- 140110
- 8. Head (NRDMS-NSDI), DST, New Delhi

(Dr. A.K. Sinch) PSO/ Scientist D'

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I.K.G.P.T.U Mohali Campus-II

-3-

No. NRDMS/02/07/014 Government of India Ministry of Science & Technology Department of Science & Technology

Technology Bhawan, New Mehrauli Road, New Delhi -110016 Date: 10/09/2018

ORDER

Subject: Project entitled Large Scale Geo-logical and Geo-technical mapping of the Networking Projects in Uttarakhand between "Rishikesh to Kedarnath" by Prof. T.N.Singh, Department of Earth Sciences, Indian Institute of Technology Bombay, Powai, Mumbai- 400076, India and carried out bu 9 different PI's.

In continuation of this office sanction Order regarding the above mentioned project which is being carried out by different PI's in different sector from Rishikesh-Kedarnath as follows.

- "High resolution structural and damage zone mapping along Rishikesh -Deoprayag section, Uttarakhand" Deepak C. Srivastava, Department of Earth Sciences, Indian Institute of Technology Roorkee, Roorkee 247 667, India.
- ii. "Large scale geological-geotechnical mapping of vulnerable landslide zones between Srinagar to Rudraprayag along National highway - 58, Uttarakhand" Dr. Mukta Sharma, Assistant Professor, Geology school of built environment Punjab Institute of Technology, Mohali- 140110.
- iii. "Large scale geological-geomorphological mapping of Rudraprayag-Sonprayag Area, Mandakini River Valley National Highway No., Uttarakhand", Dr.R.C. Joshi, Department of Geography, Kumaun University, Nainital-263 002.
- iv. "Large scale geological-geotechnical mapping of vulnerable landslide zones along Sonprayag to Kedarnath and to suggest the preventive measures,", Dr. Y. P. Sundriyal, Department of Geology, H N B Garhwal University, Srinagar (Garhwal)-246174, Uttarakhand
- v. "Large scale geological-geotechnical mapping of vulnerable landslide zones along Srinagar to Rudraprayag National highway, Uttarakhand", Dr. Mahesh Thakur, Centre for Advanced Study in Geology, Panjab University, Sector 14, Chandigarh-160014 (U.T.)
- vi. "Large scale Geological & Structural mapping between Devprayag and Srinagar (Length- 35 Km) along Rishikesh-Kedarnath National highway, Uttarakhand", Dr. R. A. Singh, Department of Geology, LSM Govt. P.G. College, GIC Road, Pithoragarh- 262502, Uttarakhand.

Director LKGPTU

Mohali Campus-II

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- vii. "Large scale geological-geotechnical mapping of vulnerable landslide zones along Rishikesh-Devprayag National highway, Uttarakhand", Dr. Varun Joshi, A-002, University School of Environment Management, Guru Gobind Singh Indraprastha University Sector 16-C, Dwarka, New Delhi 110078.
- viii. "Large scale engineering geological mapping of vulnerable landslide zones between Rudraprayag-Sonprayag and Sonprayag-Kedarnath, Garhwal Himalaya", Dr S. Sarkar, Central Building Research Institute, CBRI, Roorkee-247667.
 - ix. "Large scale geological-geotechnical mapping of vulnerable landslide zones from Rishikesh to Kedarnath.", Dr. T.N.Singh, Department of Earth Sciences, Indian Institute of Technology Bombay, Powai, Mumbai- 400076, India
 - x. "Geotechnical & Structural study between Devprayag and Srinagar (Length-35 Km) along Rishikesh-Kedarnath National highway, Uttarakhand", Dr. T.N. Singh, Department of Earth Sciences, Indian Institute of Technology Bombay, Powai, Mumbai- 400076, India.
 - xi. Coordination of Network programme, training/ monitoring/ meetings etc by Dr. T.N. Singh, IIT Mumbai

The Duration of the sanctioned projects has been extended as follows:

- No cost extension the project duration of all the projects up to 30th November, 2018 form SI I-X within sanction cost of the project.
- No cost extension of the project duration of the coordinator to come out detailed integrated report of all the projects, edited volume in the form of the book which may also be published by some reputed publishers within the sanctioned cost of the project up to 31th December, 2018 for the project at P-XI.
 - 3. This issued with the approval of competent authority.
 - 4. Other terms and condition will remain unchanged.

(Dr. A.K. Singh) Scientist 'E'

To

PAO, DST, New Delhi.

Copy forwarded for information and necessary action to:

- 1. The Director of Audit (CW & M-II), Indraprastha Estate, AGCR Building, New Delhi.
- 2. Copy with a spare copy of sanction of the Drawing and Disbursing Officer, DST, Cash section for making necessary payment to grantee.
- 3. IF Division, DST, New Delhi.
- 4. Accounts Section, DST, New Delhi.
- 5. Sanction Folder.
- 6. Prof. Deepak C. Srivastava, Department of Earth Sciences, Indian Institute of Technology Roorkee, Roorkee 247 667, India.

KGPTU Mohali Campus-II

- The Registrar, Indian Institute of Technology Roorkee, Roorkee 247 667, India.
- 8. Dr. Mukta Sharma, Assistant Professor, Geology school of built environment Punjab 7. Institute of Technology, Mohali- 140110.
- The Director, Institute of Technology, Mohali- 140110. 9.
- 10. Dr. R.C. Joshi, Department of Geography, Kumaun University, Nainital-263 002.
- 11. The Registrar, Kumaun University, Nainital-263 002.
- 12. Dr. Y. P. Sundriyal, Department of Geology, H N B Garhwal University, Srinagar (Garhwal)-246174, Uttarakhand.
- 13. The Registrar, H N B Garhwal University, Srinagar (Garhwal)-246174, Uttarakhand.
- 14. Dr. Mahesh Thakur, Centre for Advanced Study in Geology, Panjab University, Sector 14, Chandigarh-160014 (U.T.)
- 15. The Registrar, Panjab University, Sector 14, Chandigarh-160014 (U.T.)
- 16. Dr. R. A. Singh, Department of Geology, LSM Govt. P.G. College, GIC Road, Pithoragarh-262502, Uttarakhand.
- 17. The Principle, LSM Govt. P.G. College, GIC Road, Pithoragarh- 262502, Uttarakhand.
- 18. Dr. Varun Joshi, A-002, University School of Environment Management, Guru Gobind Singh Indraprastha University Sector 16-C, Dwarka, New Delhi 110078.
- 19. The Registrar, Guru Gobind Singh Indraprastha University Sector 16-C, Dwarka, New Delhi 110078.
- 20. Dr S. Sarkar, Central Building Research Institute, CBRI, Roorkee-247667.
- 21. The Director, Central Building Research Institute, CBRI, Roorkee-247667.
- 22. Dr. T. N. Singh, Department of Earth Sciences, Indian Institute of Technology Bombay, Powai, Mumbai- 400076, India.
- 23. The Registrar, Indian Institute of Technology Bombay, Powai, Mumbai- 400076, India
- 24. The Head (NRDMS), DST, New Delhi-110016.

(Dr. A.K. Singh) Scientist 'E'

Directo LK.G.P.T.U Motali Campus-II

No. NRDMS/06/22/015 (G) Government of India Ministry of Science & Technology Department of Science & Technology

Technology Bhawan, New Mehrauli Road, New Delhi -110016 Date: 19/05/2020

ORDER

Subject: Project proposal entitled"Large Scale Geological-Geotechnical Mapping of vulnerable landsliede zones along Srinagar to Rudraprayag National highway, Uttarakhand" by Dr. Mukta Sharma Assistant professor, Geology School of built environment Punjab Institute of Technology, Mohali – 140110.

In continuation of this office sanction Order of even No. dated 11/05/2017 Sanction of the President is conveyed for the final installment of Rs.4,69,456/- (Rupees Four Lakhs, Sixty Nine Thousand, Four Hundred Fifty Six only) towards final settlement of accounts of above mention projects to Dr. Mukta Sharma Assistant professor, Geology School of built environment Punjab Institute of Technology, Mohali – 140110.

2. The expenditure involved is debitable to Demand No.87, Department of Science & Technology:

3425	Other Scientific Research (Major Head)
60	Other (Sub Major Head)
60.200	Assistance to other scientific bodies (Minor head)
70	Innovation, Technology Development and
	Deployment.
70.00.31	Grants-in-aid General for the year 2020-21
	(Previous : TDP-NRDMS-3425.60.200.26.01.31)

3. Sanction of the President is also conveyed for the payment of Rs.4,69,456/- (Rupees Four Lakhs, Sixty Nine Thousand, Four Hundred Fifty Six only) as the final installment will be drawn by the Drawing and Disbursing Officer, Department of Science &Technology and disbursed to to the Director Punjab Institute of Technology Mohali- 140110. Through RTGS mode. The required details are as under:

Name of the account holder	: PTU GRANT IN AID
Name of the Bank	: HDFC BANK
Account Number	: 00461450000276
IFSC code	: HDFC0000046

4. The grantee organisation will maintain separate audited account for the project and the entire amount of grant will be kept in an interest bearing account. For grants released during F.Y. 2017-18 and onwards, all interests and other earings against released Grant shall be remitted to Consolidated Fund of India (through Non-tax Receipt Portal (NTRP)), i.e. www.bharatkosh.gov.in), immediately after finalisation of accounts, as it shall not be adjusted towards future release of Grant. A certificate to this effect shall have to be submitted along

Mohali Campus-II



with statement of Expenditure/Utilisation Certificate for considering subsequent release of Grant/Closure of Project accounts."

5.As per GFR -2017 Rule 230(8) the Grantee Institute should ensure all the interests or other earnings against Grant-in-Aid or advances (Other than reimbursement) released to any Grantee institution should be mandatorily remitted to the consolidated Fund of India immediately after finalizing of the accounts. Such advances will not be allowed to be adjusted against future releases.

6. (Name of the Institutions) agree to make reservations for scheduled castes and Scheduled Tribes or OBC in the posts or services under its control on the lines indicated by the Government of India" (ii) While Sactioning Grants-in-aid to institutions or organizations referred to in (a) above, the Grant sanctioning authority should keep in view the progress made by such institutions or organization in employing scheduled castes and scheduled Tribes or OBC candidates in their services and also as per the GFR-2017 Rule 230(17).

7. As per rule 236(1) of GFR-2017, the accounts of all grantee institution shall be open to inspection by the sanctioning authority and Controller Auditor General of India (CAG) (DPC) Act 1971 and Principal Accounts Office, whenever the institute is called upon to do so.

8. Certified that all UC/SE in regard of all schemes/programmes/projects and previous pertaining to your division have been received and submitted to PAO. It is also certified that no utilization certificate is pending against the organization for this scheme (NRDMS Programme) as per details in the PFMS also

9. This sanction issues in exercise of the powers conferred on this Department and in consultation with the IFD vide their Concurrence Dy. No. C/155/IFD/2020-21 dated 18.05.2020.

10. It has been entered at SI. No.03

in the Registrar of Grants (2020-21).

(Dr. A.K. Singh) Scientist 'E'

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PAO, DST, New Delhi.

Copy forwarded for information and necessary action to:

- 1. The Director of Audit (CW & M-II), Indraprastha Estate, AGCR Building, New Delhi.
- 2. Copy with a spare copy of sanction of the Drawing and Disbursing Officer, DST, Cash section for making necessary payment to grantee.
- 3. IF Division, DST, New Delhi.
- 4. Accounts Section, DST, New Delhi.
- 5. Sanction Folder.
- 6. Dr. Mukta Sharma Assistant professor, Geology School of built environment Punjab Institute of Technology, Mohali - 140110
- 7. The Director Punjab Institute of Technology Mohali- 140110
- 8. Head (NRDMS-NSDI), DST, New Delhi

L.K.G.P.T.U Nobali Campus-II

(Dr. A.K. Singh) Scientist 'E'

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I.K.G.P.T.U Mobali Campus-II

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