



M.A. Jawaid
Deputy Director
Tel #26742351

Speed Post
Indian Council of Social Science Research
(Ministry of Human Resource Development)
JNU Institutional Area, Aruna Asaf Ali Marg
New Delhi - 110067
Website: www.icssr.org

F. No.2-126/2009-RP

Dated: 10.09.2012

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The Registrar
University of Kashmir
Hazratbal - 190016
Srinagar (J&K)

Sanction Order

Subject: Research Project entitled 'Assessment of Anthropogenic Impact on Land Use Dynamics in Lidder Catchment of Kashmir Valley'.

Sir,

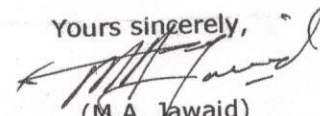
This is in continuation of the Council's sanction order of even number dated 03.03.2010, sanction of the ICSSR is hereby accorded for the payment of Rs.42,000/- (Rupees forty two thousand only) as the fifth instalment for research project mentioned above. This brings to the total amount released so far to Rs.6,52,000/- against the total sanctioned grant of Rs.7,00,900/-.

A copy of the grant-in-aid for the release of Rs.42,000/- as the fifth instalment is enclosed. It is requested that the bill may be filled-in and returned to us to enable release the grant.

The grant-in-aid is subject to all the condition laid down in our letter referred above.

The expenditure of this account is debitable to the Budget Head-B Programmes Research Grants. (10) Grant-aid for research project (s).

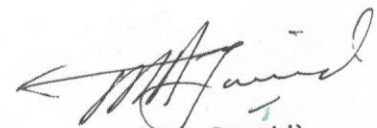
Yours sincerely,


(M.A. Jawaid)
For Member Secretary

Encl: as above

Copy to:

- ✓ 1. Dr. Mohd. Sultan Bhat
Associate Professor
Dept. of Geography
University of Kashmir
Hazratbal - 190016
Srinagar (J&K)
2. FA&CAO, ICSSR, New Delhi
3. Record File


(M.A. Jawaid)
For Member Secretary

No. MoES/P.O.(Geosci)/30/2014
Government of India
Ministry of Earth Sciences

Prithvi Bhavan, Lodhi Road,
New Delhi- 110003
Dated : 27 /04/2015

ADMINISTRATIVE ORDER

Subject: Flood Hazard Evaluation and Vulnerability Assessment of Upper Jhelum Floodplain in Kashmir Valley

Approval of the Competent Authority is hereby conveyed under rule 18 of the Delegation of Financial Power Rules, 1978 for implementation of the project entitled "Flood Hazard Evaluation and Vulnerability Assessment of Upper Jhelum Floodplain in Kashmir Valley" to be implemented by University of Kashmir, Srinagar at an estimated cost of Rs. Rs. 60,81,240 (Rupees sixty lakhs eighty one thousand two hundred and forty only) for three years and 1st year grant of Rs 37,71,240/- (Rupees thirty seven lakhs seventy one thousand two hundred forty only) during 2015-16.

2.0 Objectives :

- To carry out the flood frequency analysis of River Jhelum.
- To perform the flood hazard evaluation of upper Jhelum Floodplain.
- To perform the flood vulnerability assessment of upper Jhelum Floodplain.

2.1 Programme & Implementation Plan :

The proposed project aims to carry out in-depth evaluation of flood hazards and understanding its pattern in the Jhelum Flood Plain over the period of time by carrying out the flood frequency analysis, flood hazard zonation and vulnerability assessment. Flood frequency analysis will be carried out using historical records of peak flows to produce expected behavior of future flooding and log Pearson type III distribution analysis using HEC-SSP tools. The RTK data will be used to accomplish the objective of dividing the upper Jhelum Flood Plain into various flood hazard zones. The RTK GPS observations (XYZ data) would be collected at specific spatial intervals and interpolated (Kriging), to generate a high resolution continuous 3D surface (DEM) for whole study area. The generated data set (3D surface) would subsequently help in micro elevation zonation of the flood plain required as an input for Hec-GeoRAS.

The research would come up with the integrated flood prognosis and mitigation measures, which would facilitate in evolving effective flood management plan to ensure the safety of the people inhabiting the flood prone areas. The government agencies can utilize the project outputs for the flood hazard mitigation and thus, ensure that the development process in these areas is not affected by the looming threat perception due to recurrent flood hazards. The likely impacts of the proposed initiative on the various sections of the society in the study area would ensure timely remedial measures and thus minimize the loss to the life and property of the people by early warning to the concerned segments of the society. The prediction of the potential floods would help to devise a safety strategy before a hydrological hazard strikes the area.

2.2 Implementing Organization:

University of Kashmir, Srinagar would be implementing this project.

2.3 Estimated Project Cost:

Total estimated cost of the project is Rs. 60,81,240 (Rupees sixty lakhs eighty one thousand two hundred and forty only). The first year fund requirement is Rs. 37,71,240/- (Rupees thirty seven lakhs seventy one thousand two hundred forty only). The year-wise/item-wise fund requirement is given below:

S.No	Item Name	1 st Year	2 nd year	3 rd year	Total (In Rupees)
1	Manpower- RA(1)@ 36,000/pm +20%HRA and JRF(1) @ 25,000/pm +20%HRA for 2 years and Rs.28,000 /- for 3 rd year	5,18,400	5,18,400	5,18,400	15,55,200
		3,60,000	3,60,000	4,03,200	11,23,200
2	Consumables/Miscellaneous	50,000	50,000	50,000	1,50,000
3	Field work/Sample house hold survey, ground validation/Travel	2,00,000	1,00,000	1,00,000	4,00,000
4	<u>Equipment/data:</u>				
	i. Global Positioning System-RTK (1)	20,00,000			20,00,000
	ii. Satellite Data & DEM	2,00,000			2,00,000
	iii. Hydro-meteorological Data	2,50,000			2,50,000
	iv. PC	50,000			50,000
v. Digital Camera (SLR)	30,000			30,000	
5	Overhead for equipment and workshop @5% of total cost	1,12,840	1,02,840	1,07,160	3,22,840
6	Total	37,71,240	11,31,240	11,78,760	60,81,240

2.4 Description and proposed programme to be implemented by:

This project will be implemented by the Principal Investigator Prof. M. Sultan Bhat (PI), Department of Geography, University of Kashmir, Srinagar and Co-PI Dr. Akhtar Alam, Faculty of Physical and Material Science, University of Kashmir, Srinagar as per schedule given below:

First Year: Manpower recruitment, database development, field visit, GPS/RTK survey.

Second Year: Field visit for GPS/RTK surveys, 3D data generation, socio-economic survey, Terrain analysis, land use mapping

Third Year : Field validation, data integration, analysis & project report finalization

3.0 The expenditure will be booked under the following Budget Head:

3425	Other Scientific Research (Major Head)
60.200	Assistance to other scientific bodies (Minor Head)
52	Research, Education & Training Outreach
52.00.31	Grant-in-Aid-General for the FY 2015-16 (Plan)



Revathy Vishwanath
Assistant Director
RPS Division Incharge
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Indian Council of Social Science Research
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New Delhi – 110067
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SANCTION ORDER

F.No. G-4/2015-16/ICSSR/RPS

Dated: 31.12.2015

The Registrar
University of Kashmir
Hazaratbal – 190006
Jammu and Kashmir

Subject: Sanction of Sponsored Research Study entitled "Dynamics of Cropping Pattern and its Implications on Food Security of Jammu & Kashmir: A Spatio-Temporal Analysis" to Prof. M. Sultan Bhat.

Sir,

1. The Indian Council of Social Science Research (ICSSR) considered the above Research project submitted by Prof. M. Sultan Bhat, Director, Department of Geography & Regional Development, University of Kashmir - 190006, Srinagar, J&k.
2. The study, as proposed by the researcher/(s), is to be located at and financially administered by your institution as per the guidelines of this award.
3. The ICSSR has sanctioned a grant-in-aid of Rs.25,00,000/- (Rupees Twenty Five Lakh only) for the above sponsored research study and the grant will be released as follows:

First installment:	Rs. 10,00,000/-
Second installment:	Rs. 10,00,000/-
Final installment:	Rs. 05,00,000/-
	<u>Rs. 25,00,000/-</u>

*allocation letter
need*

Revathy v

Contd..2/-