

**GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE**

**LOK SABHA  
UNSTARRED QUESTION NO. 2717  
TO BE ANSWERED ON 2.8.2016**

**Research on Himalayan Glaciers**

2717 DR. RAMESH POKHRIYAL “NISHANK”

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE be pleased to state:

- (a) the details of the Institutes and Universities where the research on the Himalayan Glaciers and other related issues is being conducted, State-wise;
- (b) the total amount of funds allocated to Himalayan Study Institutes by the Government along with the amount utilised by these institutes during each of the last three years, institute-wise;
- (c) the progress achieved by the said study centres/institutes; and
- (d) whether the Government has sanctioned any new research projects including projects related to global warming and if so, the details thereof?

**ANSWER**

**MINISTER OF STATE (INDEPENDENT CHARGE) FOR ENVIRONMENT, FOREST AND CLIMATE CHANGE**

**(SHRI ANIL MADHAV DAVE)**

- (a) A number of Institutes and Universities in the country are involved in various aspects of the Himalayan Region including studies on glaciers. These include the following:
  - 1. Geological Survey of India, North Zonal Office, Lucknow, UP
  - 2. Centre for Glaciology, Wadia Institute of Himalayan Geology, Dehradun, Uttarakhand
  - 3. GB Pant National Institute of Himalayan Environment & Sustainable Development, Kosi-Katarmal, Almora, Uttarakhand
  - 4. National Institute of Hydrology, Roorkee, Uttarakhand
  - 5. Space Application Centre, Ahmedabad, Gujarat
  - 6. Jawaharlal Nehru University, New Delhi
  - 7. Birbal Sahni Institute of Paleo – Botany, Lucknow, UP
  - 8. Geology Department of H.N. Bahuguna University, Srinagar Garhwal, Uttarakhand

9. Jammu University, Jammu, J&K

10. Sikkim Science and Technology Department, Gangtok, Sikkim

(b) (c ) & (d) The Ministry of Environment, Forest and Climate Change(MoEF&CC) supports the activities of GB Pant National Institute of Himalayan Environment and Sustainable Development, Almora, Uttarakhand for undertaking studies in the Himalayan Region and for the implementation of the National Mission on Himalayan Studies (NMHS). A project titled, “Monitoring Snow and Glaciers of Himalayan region (Phase-II)”, has been jointly funded by Ministry of Environment, Forests and Climate Change and Department of Space (DOS) in the year 2010 and has been executed by Space Applications Centre, ISRO, Ahmedabad as a nodal agency in collaboration with eighteen other institutions of the nation for a total project cost of Rs10.93 crores of which an amount of Rs 605.21 lakhs has been released so far.

The studies under the National Mission on Himalayan Studies were launched recently during 2015-16, for a period of three to five years. No research project has been sanctioned during the current financial year.

The Department of Science and Technology (DST), Ministry of Science and Technology is coordinating and implementing the National Mission for Sustaining the Himalayan Ecosystem (NMSHE). Under this mission, an Inter-University Consortium in Cryospheric Research has been set up with four partnering Universities. In addition, establishment of State Climate Change Centres/Cells in various institutes/departments of seven out of twelve Himalayan States, namely Jammu and Kashmir, Himachal Pradesh, Manipur, Mizoram, Tripura, Sikkim and Meghalaya is being funded under the NMSHE.

The details of the allocation of funds and expenditure incurred during the last three years by the GB Pant National Institute of Himalayan Environment and Sustainable Development, NMHS, NMSHE and Geological Survey of India, is given at **Annexures-I (A), (B), (C) and (D)**.

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**Annexure-I (A)**

**Annexure-I referred to in answer to parts (b) (c) & (d) of Lok Sabha Unstarred Question No. 2717 on Research on Himalayan Glaciers asked by Dr. Ramesh Pokhriyal “NISHANK”, M.P., due for reply on 02.08.2016**

**Details of the Funds allocated by Ministry of Environment, Forest and Climate Change to Himalayan Studies and Amount utilized during the last three years**

Sl. No.	Name of the Organization/Institute	(Rs. in crore)					
		Funds allocated			Fund Utilized		
		FY 2013-14	2014-15	2015-16	FY 2013-14	2014-15	2015-16
1.	G.B. Pant National Institute of Himalaya Environment and Sustainable Development, Almora	14.00	13.00	13.00	13.92	13.27	12.64
2.	Institute/organization supported under the National Mission on Himalayan Studies (NMHS)	-	-	67.10*	-	-	

\* Out of Rs. 67.10 crores earmarked for 2015-16, an amount of Rs 63.45 crores, has been released during 2015-16 to G.B. Pant National Institute of Himalayan Environment and Sustainable Development (GBPNIHESD), Almora, Uttarkhand for NMHS.

**Annexure-I referred to in answer to parts (b) (c) & (d) of Lok Sabha Unstarred Question No. 2717 on Research on Himalayan Glaciers asked by DR. RAMESH POKHRIYAL “NISHANK”, M.P., due for reply on 02.08.2016**

**Institutions under National Mission for Sustaining the Himalayan Ecosystem (NMHSHE) supported by Department of Science and Technology**

**Details of Allocation and Expenditure incurred by NMSHE during the last three years**

**Inter University Consortium Funding Status (NMSHE)**

**2013-14**

<b><i>Sr.No.</i></b>	<b><i>Financial year</i></b>	<b><i>Total Project Cost</i></b>	<b><i>Released General</i></b>	<b><i>Released Capital</i></b>	<b><i>Name of the institute/Department</i></b>
1.	2013-14	18,02,04,000	8000000	12,20,00000	Kashmir University, Jammu University, Sikkim University and Jawaharlal Nehru University

**State Funding Status (NMSHE) States**

**2014-15**

<b><i>Sr.No.</i></b>	<b><i>Financial year</i></b>	<b><i>Total Project Cost</i></b>	<b><i>Released General</i></b>	<b><i>Released Capital</i></b>	<b><i>Name of the institute/Department</i></b>
2.	2014-15	19880000	2500000	7500000	Department of Environment, Science & Technology Narayan Villa, Woodville Palace Chotta Shimla Shimla 171 002 HP
3.	2014-15	38494000	3500000	11500000	Department of Science and Technology Government of Sikkim Development Area Gangtok 737 101Sikkim
4.	2014-15	25860000	3500000	5500000	Department of Enviornment and Remote Sensing SDA Colony, Bemina Srinagar, J&K
5.	2014-15	17744,000	2500000	5000000	Directorate of Environment, Government of Manipur, Porompat, Imphal East 795005 Manipur
6	2014-15	22880000	2500000	5000000	Department of Sc. Tech & Environment New Capital Complex Government of Tripura Agartala 799 001Tripura
7	2014-15	13884000	2000000	1500000	Mizoram Council of Science, Technology & Environment, , Planning Secretariat Building, Aizawl, Mizoram

**Annexure-I (C)**

**Annexure-I referred to in answer to parts (b) (c) & (d) of Lok Sabha Unstarred Question No. 2717 on Research on Himalayan Glaciers raised by Dr. R POKHRIYAL “NISHANK”, M.P., due for reply on 02.08.2016**

**Institutions under National Mission for Sustaining the Himalayan Ecosystem (NMHSHE) supported by Department of Science and Technology**

**2015-16**

<b>Sr.No.</b>	<b>Financial year</b>	<b>Total Project Cost</b>	<b>Released General</b>	<b>Released Capital</b>	<b>Name of the institute/Department</b>
1.	2015-16	15655492	2700000	336292	Chief Conservator of Forests, Research & Training, Meghalaya Basin Development Authority, Sylvan House, Lower Lachumiere, Shillong-793001. <b>Meghalaya</b>
2	2015-16	13884000	2160000	---	Mizoram Council of Science, Technology & Environment, , Planning Secretariat Building, Aizawl, <b>Mizoram</b>

**Budgetary details Wadia Institute of Himalayan Geology (WIHG)**

**(Amount in Lakh)**

Financial Yr.	Opening Bal.	Grant received	Intt. received	Utilized
2013-14	127.80	15.00	1.33	131.69
2014-15	12.44	546.50	7.73	141.68
2015-16	424.99	99.00	12.55	238.24

**Annexure-I (D)**

**Annexure-I referred to in answer to parts (b) (c) & (d) of Lok Sabha Unstarred Question No. 2717 on Research on Himalayan Glaciers asked by DR. RAMESH POKHRIYAL “NISHANK”, M.P., due for reply on 02.08.2016**

**Details of Allocation and Expenditure incurred by Geological Survey of India during the last three years**

**Sanction**

	2013-14	2014-15	2015-16
Hamtah	9,63,785=00	9,90,000=00	9,90,000=00
Ladakh	9,90,000=00	8,50,000=00	9,00,000=00

**Expenditure**

	2013-14	2014-15	2015-16
Hamtah	9,63,785=00	9,14,272	8,84,092
Ladakh	8,01,395=00	7,49,723	4,63,987

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