

**GOVERNMENT OF INDIA  
MINISTRY OF HOME AFFAIRS**

**LOK SABHA  
UNSTARRED QUESTION NO. 425**

**TO BE ANSWERED ON THE 04<sup>TH</sup> FEBRUARY, 2025/ MAGHA 15, 1946 (SAKA)**

**GLOF MITIGATION PROJECT**

**†425. SHRI RAMVIR SINGH BIDHURI:**

**Will the Minister of HOME AFFAIRS be pleased to state:**

**(a) the salient features and objectives of the Glacial Lake Outburst Floods (GLOF) Mitigation Project; and**

**(b) the funds allocated for implementation of the said Project?**

**ANSWER**

**MINISTER OF STATE IN THE MINISTRY OF HOME AFFAIRS  
(SHRI NITYANAND RAI)**

**(a) to (b): Central Government has approved National Glacial Lake Outburst Flood (GLOF) Risk Mitigation Project (NGRMP) for its implementation in four states namely, Arunachal Pradesh, Himachal Pradesh, Sikkim and Uttarakhand at a financial outlay of Rs.150.00 crore. Central share from National Disaster Mitigation fund (NDMF) is Rs.135.00 crore while states have to contribute Rs.15.00 crore from their own resources. The state-wise details of project outlay, central share and state share is as under:**

**(Rs. in Crores)**

<b>States</b>	<b>Total project outlay</b>	<b>Approved central share from NDMF</b>	<b>States share</b>
<b>Arunachal Pradesh</b>	<b>45.00</b>	<b>40.50</b>	<b>4.50</b>
<b>Uttarakhand</b>	<b>30.00</b>	<b>27.00</b>	<b>3.00</b>
<b>Sikkim</b>	<b>40.00</b>	<b>36.00</b>	<b>4.00</b>
<b>Himachal Pradesh</b>	<b>35.00</b>	<b>31.50</b>	<b>3.50</b>
<b>Total</b>	<b>150.00</b>	<b>135.00</b>	<b>15.00</b>

**The first instalments of Rs.1.83 crore and Rs.8.35 crore have been released to the State Governments of Arunachal Pradesh and Sikkim respectively on 17.10.2024 under the Project.**

**NGRMP is aimed at reducing the risks associated with glacial lake outburst floods, particularly in regions that are highly susceptible to such natural disasters. The objectives of NGRMP project are:**

- (a) Prevent loss of life and reduce economic loss and damage to critical infrastructure due to GLOF and similar events.**
- (b) Strengthen the early warning and monitoring capacities based on last mile connectivity.**

**(c) Strengthen scientific and technical capabilities in GLOF risk reduction and mitigation at local levels through strengthening of local level institutions and communities.**

**(d) Use of indigenous knowledge and scientific cutting-edge mitigation measures to reduce and mitigate GLOF risk.**

**The NGRMP project has four components:**

**Component I: GLOF Hazard and Risk assessment (elaboration of standardized assessment method and a lake inventory)**

**Component II: GLOF Monitoring and Early Warning System (including remote sensing data, community involvement for monitoring, alerting/ dissemination)**

**Component III: GLOF Mitigation Measures (Site-specific interventions combining technical expertise and community involvement)**

**Component IV: Awareness Generation & Capacity Building (involving stakeholders at multiple levels)**

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