

Ministry of Home Affairs
Disaster Management Division
(National Emergency Response Centre)

**Situation Report on the Glacial Outburst at Reni in Chamoli District Uttarakhand as on
06.04.2021 up to 2000 hrs**

1. Details of incident : -

On 07.02.2021 at about 1000 hours an avalanche has occurred in the upper catchment of Rishiganga river, a tributary of Alaknanda river in Chamoli District of Uttarakhand, which led to sudden rise in the water level of Rishiganga River. Due to flash flood on account of rising of water levels in the river Rishiganga, a functional Rishiganga small hydro project of 13.2 MW was washed away. The flash flood also affected the under construction 520 MW NTPC Hydro Power Project downstream at Tapovan on the river Dhauli Ganga.

2. Initial Damage reported: -

As per information received from Government of Uttarakhand, out of total 204 missing persons, dead bodies of 77 persons (including 16 dead bodies from Tapovan Tunnel) have been recovered so far and 127 persons are still missing. State Government has announced an ex-gratia of Rs. 4 lakh each for the next of kin of those who have lost their lives due to the incident.

3. Current Situation:-

- i. The search & rescue operation is going on at Raini and Lata village area and NTPC project Tapovan, by NDRF, SDRF and local administration.
- ii. Muck removal work completed up to length of 211 mtr in the Intake portal of SFT tunnel NTPC project. Excavation and muck removal work is on progress in silt flushing tunnel (SFT) Adit. Dewatering pumps are running continuously.
- iii. Excavation and muck removal work in SFT Adit is continuously going on and cleared upto 58 M from SFT Portal.
- iv. An artificial lake was formed in the upper ridge of Rishiganga River. The water flowing through the channel formed at the mouth of the lake widened to approx 60 feet and the channel is being constantly monitor.
- v. Team of Snow & Avalanche Study Establishment (SASE), National Remote Sensing Centre (NRSC), National Technical Research Organisation (NTRO) and Defence Research and Development Organisation (DRDO), Geographical survey of India and Wadia Institute of Himalayan Geology (WIHG) are providing all necessary technical assistance including satellite images at regular intervals.
- vi. Intercom communication established inside the tunnel.
- vii. Satellite communication system established between rescue site and control room at Raini village for surveillance of river water level.
- viii. An alarm and Hooter system has been installed and made operational for early warning system.
- ix. Medical camp and Public Information Centre are operational.
- x. On 24.02.2021 the depth measurement of artificial lake at multiple location was completed successfully by deep divers of Indian Navy. The depth of the lake measured approx. 46 Meters in the middle of the lake with gradual reduction

towards the inflow point. The team observed that the rate of outflow is higher than that of the inflow and the water level in the lake is gradually reducing.

- xi. Construction work of completely damaged motor bridge at Joshimath to Malhari axis completed by BRO on 05.03.2021.

4. Steps taken by Central Government:

- i. Situation is being monitored on 24x7 basis by Central Government at the highest level. Hon'ble Prime Minister himself is monitoring the situation closely.
- ii. Both Control Rooms of Ministry of Home Affairs are monitoring the situation 24x7 and all possible help is being provided to the State.
- iii. A meeting was chaired by Union Home Secretary on 11.02.2021, 17.02.2021 and again on 22.02.2021 to review the progress of search & rescue operation being carried out in Chamoli district to trace the missing persons and also to review the situation arising due to formation of artificial lake in upper ridges. These meetings were attended by the senior Officers of the Ministry of Power, NDMA, DRDO, IDS (CISC), NTRO, State Government Uttarakhand, ITBP, NDRF, NRSC, IMD, CWC and NTPC. During this meeting Union Home Secretary assured that all necessary assistance will be extended to State Government of Uttarakhand by all concerned Central Government Agencies/department.
- iv. Deployment of Manpower and Resources by Central Government

a)	NDRF	01 Team
b)	ITBP	Standby
c)	Army	Standby

5. Meeting of National Crisis Management Committee (NCMC):-

On 07.02.2021 at 1630 hours a meeting of NCMC under the chairmanship of Cabinet Secretary was held, wherein all the concerned agencies were directed to work in close coordination and to extend all requisite assistance to the State administration.

6. Steps taken by State Government: -

The district administration, police and disaster management departments of State Government along with all central agencies are deployed for rescue and relief work. 02 teams of SDRF have been deployed. Electricity and Water supply has been restored in all 13 villages. Restoration work of 03 completely damaged Bridges is completed by PWD and rest 02 is still in progress. 03 trollies are made functional on river Dhaulti Ganga in Tapowan and Reni for connecting Bhangyul, Juvagwad and Jugju villages.

7. Status of State Disaster Risk Management Fund (SDRMF): -

For the financial year 2020-21, Rs 1041.00 crore has been allocated to the State of Uttarakhand under the State Disaster Risk Management Fund (SDRMF). The both installment of the Central share amounting Rs. 937 Crore have been released to the State Government.
