

## Himachal Pradesh 'Cloudburst' Incidents During Southwest Monsoon 2024

### Documented by SANDRP

Time & Date	No.	Drainage System	Location	Impact
<b>May 2024</b>				
Afternoon hours 12.05.2024	1	Gharshu Nullah/ Sutlej basin	Gharshu village area, Nichar tehsil, Kinnaur	No damage. Source: <a href="#">Amar Ujala</a> , <a href="#">Live Hindustan</a> 5 Mw <a href="#">Kachrang HEP</a> 's powerhouse is situated close to confluence of Gharshu nullah and Sutlej River. There is no information if the HEP was affected by the 'cloudburst'.
<b>June 2024</b>				
Afternoon hours 24.06.2024	1	Local stream/ Sutlej basin	Jiawala village hill area, Arki tehsil, Solan	Kunihar-Nalagarh road was blocked by boulders. A <i>Dhaba</i> damaged and 3 shops affected by flashflood. Gambhar bridge as well as the water course choked with debris and muck. Source: <a href="#">Amar Ujala</a> , <a href="#">News 18 HP</a> Few homes flooded, belongings washed away, some vehicle also got damaged in the incident. Source: <a href="#">Himachal Abhi Abhi</a>
Mid-night hours 29-30.06.2024	1	Local stream/ Giri river/ Yamuna basin	Dana village forest in Rajpur panchayat, Ranuka tehsil Sirmaur	A temple, villager water supply line, approach road damaged. Source: <a href="#">Dainik Jagran</a> , <a href="#">Punjab Kesari</a>
<b>July 2024</b>				
~04:00 am 04.07.2024	1	Local stream, Sutlej basin	Talehan village Karsog tehsil Mandi	Several vehicles including HRTC buses were trapped in debris, road was damaged. Source: <a href="#">ETV Bharat</a> , <a href="#">Himachal Abhi Abhi</a>
~01:30 am 20.07.2024	1	Local stream, Tons river/ Yamuna basin	Retua village, Danda panchayat Trans Giri area, Paonta tehsil, Sirmaur	<b>1 person killed</b> by flashflood; the body recovered 5 km away from home in Tons river. Source: <a href="#">ToI</a> , <a href="#">Business Standard</a> , <a href="#">Dainik Jagran</a> ,
Mid-night hours 24-25.07.2024	1	Serai, Akhari nullahs/ Beas basin	Anjani Mahadev area, Palchan village, Manali tehsil, Kullu	2 homes were washed away, 1 home damaged. Manali-Leh NH was blocked. Bailey bridge was flooded with boulders. Source: <a href="#">Amar Ujala</a> , <a href="#">Dainik Jagran</a> 2 Mw Serai HEP and 9 Mw Beas Kund HEP were severely damaged. Debris from Atal Tunnel dumping zone and faulty design of bailey bridge aggravated the

				<p>damages. The area lacked rainfall monitoring instrument, Doppler radar failed to predict the incident, HEPs lacked EWS. Palchan villagers got information through phone calls from upstream villagers. Source: <a href="#">SANDRP</a></p> <p>The area again witnessed flash flood on 30.07.2024. <a href="#">ETV Bharat</a></p>
~08:00 pm 27.07.2024	1	Karpat nullah/ Chenab basin	Karpat village, Miyar valley, Udaipur tehsil, Lahaul & Spiti	<p>Primary school building, veterinary centre, 2 common toilets, 4 irrigation canals, 13 bigha farming land filled with silt, cash crops worth ₹25 damaged. Source: <a href="#">Amar Ujala</a>, <a href="#">The Tribune</a></p> <p>The area lacks mobile network connectivity and the villagers were forced to live in temporary camps. Source: <a href="#">Punjab Kesari</a>. As per reports the area is facing flashflood frequently. <a href="#">Dainik Jagran report</a> mentions 'cloudburst' incidents in Miyar valley in July 2022 and August 2021. In August 2021 incident 8 people were killed. <a href="#">August 2017</a> report on cloudburst incident in Karpat nullah. This <a href="#">July 2013 report</a> mentions flood threats on Karpat village.</p>
Morning hours 28.07.2024	1	Ropa nullah/ Sutlej basin	Ropa village, Pooh tehsil, Kinnaur	<p>2 homes, 4 irrigation canals, horticulture crops worth crores damaged. Source: <a href="#">Amar Ujala</a>, <a href="#">Punjab Kesari</a></p>
Intervening Night hours 29- 30.07.2024	1	Tosh nullah/ Brahmaganga river/ Beas basin	Tosh village, Manikaran, Parbati valley Kullu	<p>3 shops, part of building damaged and a foot bridge washed away. Source: <a href="#">The Tribune</a>, <a href="#">Amar Ujala</a> Few homes were flooded and a camping site at Manikaran was damaged. Source: <a href="#">Amar Ujala</a> The flashflood on July 29 and July 31 also caused damages to 5 Mw Brahmaganga HEP and 4 MW Jirah HEP on Tosh nullah. <a href="#">SANDRP</a></p>
<b>August 2024</b>				
Intervening nigh hours 31 July-01 August 2024	7	<p>Samej khad, Sutlej Basin</p> <p>Nanti (Ghanvi) Khad Sutlej Basin</p> <p>Kurpan stream/ Sutlej basin</p>	<p>Sarpara in Rampur tehsil, Shimla</p> <p>Phancha village in Rampur tehsil, Shimla</p> <p>Singhgaad base station near Jaon/Bagipul</p>	<p>56 humans killed, 60 homes fully and 36 partially damaged. 17 shops, 4 school buildings and 1 health facility were damaged. 19 cowsheds damaged and 149 cattle killed. 5 motor and 9 foot bridges were washed away. 5 water supply schemes, 3 fish farms and 16 vehicles damaged. Source: <a href="#">HPSDMA</a>. Also see some information on multiple cloudburst incidents in <a href="#">Amar Ujala</a>, <a href="#">The Tribune</a>, <a href="#">Down To Earth</a> , <a href="#">The Indian Express</a> , <a href="#">News 18 HP</a></p> <p>About <b>36 people including 22 locals, 4 migrants and 7 working in Sumez HEP went missing</b> in 'cloudburst induced flashflood in Samej khad. Source: <a href="#">Amar Ujala</a></p>

		<p>Malana river Parbati valley Beas Basin</p> <p>Local stream, Uhl river/ Beas basin</p> <p>Rupani khad/ Ravi basin</p> <p>Local stream/ Chenab basin</p>	<p>Nirmand tehsil Kullu</p> <p>Malana village Kullu</p> <p>Terang &amp; Rajban villages (Tikkan) under Dhamchian panchayat in Padhar tehsil Mandi district</p> <p>Rupni village, Rajnagar Panchayat, Chamba</p> <p>Jahalma Panchayat Kaza tehsil, Lahual &amp; Spiti</p>	<p>About <b>7 people including 5 of family went missing</b> and 5 homes were washed away in Kurpan khad flashflood from Bagipul area under Nirmad tehsil of Kullu. Source: <a href="#">News 18 HP</a> ₹315 cr under construction Kurpan khad drinking water scheme severely damaged. Source: <a href="#">Amar Ujala</a></p> <p>In addition to this the disaster severely damaged at least 12 HEPs including 5 in Beas and 7 in Sutlej basin. Source: <a href="#">SANDRP</a></p> <p>About <b>9 humans killed</b>, 1 injured, 3 homes damaged due to 'cloudburst' in Rajban village under Dhamchian panchayat in Padhar tehsil of Chouhar valley in Mandi district. Source: <a href="#">ETV Bharat</a>, <a href="#">The Tribune</a>. 12 vehicles, 3 bridges, 2 watermills were washed away in flashflood. Source: <a href="#">India Voice</a></p> <p>Chauhar valley witnessed devastating cloudburst incident on July 07, 1993 killing 16 people. (Amar Ujala)</p> <p>Over a dozen vehicles were damaged, part of village road washed away in Rajnagar, Chamba. Source: <a href="#">Punjab Kesari</a></p> <p>Irrigation channel, supply pipes damaged. Source: <a href="#">Amar Ujala</a></p>
~05:00 pm 02.08.2024	1	Sagnam nullah/ Pin river/ Spiti river, Sutlej basin	Near Sagnam village bus stand in Pin valley, Spiti tehsil, Lahual & Spiti	<b>1 woman washed</b> away and killed in flashflood. 1 vehicle got buried under debris. Source: <a href="#">ETV Bharat</a> , <a href="#">Divya Himachal</a>
Late night hours 02.08.2024	1	Local stream, Bhaga river, Chenab basin	Darcha-Shinkula road road, Lahual tehsil, Lahaul & Spiti	2 BRO bridges got damaged. Darcha-Shinkula road was blocked. Source: <a href="#">ETV Bharat</a> , <a href="#">Amar Ujala</a>
~05:00 pm 04.10.2024	1	Chicham nullah/ Chenab basin	Chicham village, Kaza tehsil, Lahaul & Spiti	1 vehicle washed away. NH 505 blocked. Source: <a href="#">ETV Bharat</a> , <a href="#">Dainik Bhaskar</a>

~10:00 pm 04.08.2024	1	Fandi nullah, Chenab basin	Jobrang village, Kelang tehsil Lahaul & Spiti	Source: <a href="#">Amar Ujala</a>
Night hours 10.08.2024	1	Local nullah/ Giri river/ Yamuna basin	Village Tarapur, Paudiya Panchayat, Nerwa tehsil, Shimla	Apple orchards destroyed, harvest damaged. Source: <a href="#">Dainik Jagran</a>
Night hours 10.08.2024	1	Salani stream, Markanda river, Ghaggar basin	Matar village, Nahan tehsil, Sirmaur	About 60 trees washed away, a temple damaged. Source: <a href="#">Hindustan Hindi</a>
Evening hours 11.08.2024	1	Khab nullah, Sutlej Basin	Village Khab, Dongri hills, in Pooh tehsil, Kinnaur	The 'cloudburst' caused landslide leading to blockage of NH 5. Baspa and Nathpa dams released water following rise in water level. Source: <a href="#">ETV Bharat</a> , <a href="#">Punjab Kesari</a>
~04:00 pm 13.08.2024	1	Local stream, Sutlej basin	Thikru & Lingne village hills, Sangla tehsil, Kinnaur	Flashflood uprooted trees, damaged lands, irrigation canals and local road. Source: <a href="#">Divya Himachal</a> , <a href="#">Punjab Kesari</a>
Evening hours 16.08.2024	1	Local stream/ Satluj basin	Damrali village, Taklech Panchayat, Rampur tehsil, Shimla	Taklech-Rampur Road damaged. Villagers ran away from their homes. Source: <a href="#">News 18 HP</a>
<b>Sept. 2024</b>				
~11:00 pm 14.09.2024	1	Shikari nullah/ Sutlej basin	Baghal village, Rampur Tehsil, Shimla	Several bighas of apple orchard damaged. A family narrowly escaped the deluge. Source: <a href="#">Dainik Jagran</a> , <a href="#">Divya Himachal</a> , <a href="#">Punjab Kesari</a> . The incident made 10 homes vulnerable to collapse. Administration termed it a landslide incident. Source: <a href="#">Amar Ujala</a>
~03:00 am 26.09.2024	1	Local stream, Bata river Yamuna Basin	Parduni village forest area, Paonta Sahib tehsil, Sirmaur	<b>1 person killed.</b> 5 shops, 1 cowshed, 2 water mills, 1 vehicle and several farmlands and crops damaged. Source: <a href="#">Divya Himachal</a> , <a href="#">Dainik Jagran</a>
	<b>26</b>			

