2018 Kerala floods

*This article is about 2018 Keralas flood. For 2019 Keralas floods, see*[*2019 Kerala floods*](https://en.wikipedia.org/wiki/2019_Kerala_floods)*.*

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| **2018 Kerala floods** | |
| [IN-KL.svg](https://en.wikipedia.org/wiki/File:IN-KL.svg) | |
| **Date** | July 2018 – August 2018 |
| **Location** | [Kerala](https://en.wikipedia.org/wiki/Kerala), [India](https://en.wikipedia.org/wiki/India) |
| **Cause** | [Low pressure](https://en.wikipedia.org/wiki/Low_pressure) [Heavy rain](https://en.wikipedia.org/wiki/Monsoon) [Discharges](https://en.wikipedia.org/wiki/Discharge_(hydrology)) [Landslide](https://en.wikipedia.org/wiki/Landslide) |
| **Deaths** | 483 dead, 140 went missing[[1]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-1) |
| **Property damage** | [₹](https://en.wikipedia.org/wiki/Indian_rupee)400 billion (US$5.8 billion) (estimated)[[2]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-2) |
| **Website** | [www.keralarescue.in](http://www.keralarescue.in/) |

On the 16th August,2018, severe [floods](https://en.wikipedia.org/wiki/Flood) affected the [south Indian](https://en.wikipedia.org/wiki/South_India) state [Kerala](https://en.wikipedia.org/wiki/Kerala), due to unusually high rainfall during the [monsoon season](https://en.wikipedia.org/wiki/Monsoon_season).[[3]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-3) It was the worst flood in Kerala in nearly a century.[[4]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-4) Over 483 people died, and 140 are missing.[[5]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-5) About a million[[6]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-:5-6)[[7]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-7) people were evacuated, mainly from [Chengannur](https://en.wikipedia.org/wiki/Chengannur),[[8]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-8) [Pandanad](https://en.wikipedia.org/wiki/Pandanad),[[9]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-9) [Edanad](https://en.wikipedia.org/wiki/Edanad), [Aranmula](https://en.wikipedia.org/wiki/Aranmula), [Kozhencherry](https://en.wikipedia.org/wiki/Kozhencherry), [Ayiroor](https://en.wikipedia.org/wiki/Ayiroor,_Pathanamthitta), [Ranni](https://en.wikipedia.org/wiki/Ranni), [Pandalam](https://en.wikipedia.org/wiki/Pandalam), [Kuttanad](https://en.wikipedia.org/wiki/Kuttanad), [Malappuram](https://en.wikipedia.org/wiki/Malappuram), [Aluva](https://en.wikipedia.org/wiki/Aluva), [Chalakudy](https://en.wikipedia.org/wiki/Chalakudy), [Thrissur](https://en.wikipedia.org/wiki/Thrissur), [Thiruvalla](https://en.wikipedia.org/wiki/Thiruvalla), [Eraviperoor](https://en.wikipedia.org/wiki/Eraviperoor), [Vallamkulam](https://en.wikipedia.org/wiki/Vallamkulam), [North Paravur](https://en.wikipedia.org/wiki/North_Paravur), [Chellanam](https://en.wikipedia.org/wiki/Chellanam), [Vypin Island](https://en.wikipedia.org/wiki/Vypin_Island) and [Palakkad](https://en.wikipedia.org/wiki/Palakkad). All 14 [districts](https://en.wikipedia.org/wiki/List_of_districts_in_Kerala) of the state were placed on red alert.[[10]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-:0-10)[[11]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-11) According to the Kerala government, one-sixth of the total population of Kerala had been directly affected by the floods and related incidents.[[12]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-The_Times_of_India-12) The [Indian government](https://en.wikipedia.org/wiki/Government_of_India) had declared it a Level 3 Calamity, or "calamity of a severe nature".[[13]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-13)[[14]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-14) It is the worst flood in Kerala after the [great flood of 99](https://en.wikipedia.org/wiki/Great_flood_of_99) that took place in 1924.

Thirty-five out of the fifty-four[[15]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-spb-15) [dams within the state](https://en.wikipedia.org/wiki/List_of_dams_and_reservoirs_in_Kerala) were opened, for the first time in history. All five overflow gates of the [Idukki Dam](https://en.wikipedia.org/wiki/Idukki_Dam) were opened at the same time, and for the first time in 26 years 5 gates of the [Malampuzha dam](https://en.wikipedia.org/wiki/Malampuzha_Dam) of [Palakkad](https://en.wikipedia.org/wiki/Palakkad) were opened.[[16]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-16) Heavy rains in [Wayanad](https://en.wikipedia.org/wiki/Wayanad_district) and [Idukki](https://en.wikipedia.org/wiki/Idukki_district) have caused severe landslides and have left the hilly districts isolated.[[17]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-17)[[12]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-The_Times_of_India-12) The situation was regularly monitored by the [National Crisis Management Committee](https://en.wikipedia.org/wiki/National_Crisis_Management_Committee), which also coordinated the rescue and relief operations.[[18]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-The_Indian_Express-18)

Causes[[edit](https://en.wikipedia.org/w/index.php?title=2018_Kerala_floods&action=edit&section=1)]

Kerala received heavy [monsoon](https://en.wikipedia.org/wiki/Monsoon) rainfall, which was about 116% more than the usual rain fall in Kerala, on the mid-evening of 8 August, resulting in [dams](https://en.wikipedia.org/wiki/Dam) filling to their maximum capacities; in the first 48 hours of rainfall the state received 310 mm (12 in) of rain.[[19]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-19) Almost all dams had been opened since the water level had risen close to overflow level due to heavy rainfall, flooding local low-lying areas.[[20]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-20) For the first time in the state's history, 35 of its 54[[15]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-spb-15) dams had been opened. The deluge has been considered an impact of the global warming.[[21]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-21)

A report by Jacob P. Alex, an amicus curiae appointed by the Kerala high court, said the devastating floods of 2018 was the result of bad dam management by the ,<<state government>>.[[22]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-22)[[23]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-23)[[24]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-24)[[25]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-25) All 79 dams in the state were maintained with the objective to generate hydroelectricity or irrigation and controlling flood wasn't their purpose, amicus curiae Jacob P Alex's report highlighted. "The major concern of the dam operators was to maximise reservoir levels, which conflicted with the flood control purpose for which the dams could be utilised. The 'flood cushion' of reservoirs — the storage space earmarked in dams to absorb unanticipated high flows — needed review as per the latest guidelines," Alex wrote in his report. "Sudden release of water simultaneously from different reservoirs, during extreme rainfall aggravated the damage,"it said adding that various alerts —blue, orange and red—had been issued not in accordance with the EAP guideline. "No proper follow-up action and effective precautionary steps (especially for evacuating people and accommodating them in safe location) were taken after issuance of Red Alert," it said. However, Honorable high court of Kerala cleared on 20th August 2019 that Amicus Curie report is not accepted and court cannot be used for political battles and arguments.

The Government of Kerala argued in the [Supreme Court](https://en.wikipedia.org/wiki/Supreme_Court_of_India) that the very sudden release of water from the [Mullaperiyar Dam](https://en.wikipedia.org/wiki/Mullaperiyar_Dam) by the [Tamil Nadu government](https://en.wikipedia.org/wiki/Tamil_Nadu_government) was one of the reasons for the devastating flood in Kerala.[[12]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-The_Times_of_India-12) The Tamil Nadu government rejected the argument, saying that Kerala suffered the deluge due to the discharge of excess water from 80 reservoirs across Kerala, spurred by heavy rains from within the state; It also argued that the flood surplus from the [Idukki dam](https://en.wikipedia.org/wiki/Idukki_dam) is mainly due to the flows generated from its own independent catchment due to unprecedented heavy rainfall, while the discharge from Mullaperiyar dam was significantly less. Though it is difficult to attribute any single event to [climate change](https://en.wikipedia.org/wiki/Climate_change), its possible role in causing the heavy rainfall event over Kerala cannot be ruled out.[[26]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-26)[[27]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-27)

Impact[[edit](https://en.wikipedia.org/w/index.php?title=2018_Kerala_floods&action=edit&section=2)]

[](https://en.wikipedia.org/wiki/File:Kerala_oli_201837_lrg_February_6_2018.jpg)

[](https://en.wikipedia.org/wiki/File:Kerala_msi_2018234_lrg_August_22_2018.jpg)

Kerala before (above) and after (below) the floods, released by [NASA](https://en.wikipedia.org/wiki/NASA). The images are [false-color](https://en.wikipedia.org/wiki/False_color#true_color), which makes flood water appear dark blue and vegetation bright green.



The flooded Mullassery Canal, [Angamaly](https://en.wikipedia.org/wiki/Angamaly)

A state official told AFP that 30 people died, while [*The Economic Times*](https://en.wikipedia.org/wiki/The_Economic_Times) reported that 33,000 people were rescued.[[10]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-:0-10)[[28]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-:1-28)[[29]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-29) The Kerala State Disaster Management Authority has placed the state in a red alert as a result of the intense flooding.[[30]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-:2-30) A number of water treatment plants were forced to cease pumping water, resulting in poor access to clean water, especially in northern districts of the state.[[31]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-31) Over 3,274 relief camps[[6]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-:5-6) have been opened at various locations to accommodate the flood victims. It is estimated that 12,47,496 people[[6]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-:5-6) have found shelter in such camps.[[32]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-32)[[33]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-33) The flooding has affected hundreds of villages, destroyed an estimated 10,000 km (6,200 mi) of roads and thousands of homes have been damaged or destroyed.[[30]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-:2-30) The Government cancelled [Onam](https://en.wikipedia.org/wiki/Onam) celebrations, and the allocated funds have been reallocated to relief efforts.[[34]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-34)

On 12 August, [Cochin International Airport](https://en.wikipedia.org/wiki/Cochin_International_Airport), India's fourth busiest in terms of international traffic, and the busiest in the state suspended all operations until 29 August, following runway flooding.[[10]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-:0-10) All schools throughout the state except Sainik School Kazhakootam have been closed, and tourists have been dissuaded or banned from some districts due to safety concerns.[[28]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-:1-28) [Kochi Metro](https://en.wikipedia.org/wiki/Kochi_Metro) was closed briefly on 16 August, and later offered free service to aid those affected by the flooding.[[35]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-:3-35) Due to heavy rain and rising water levels the southern railway had suspended train services on the Thiruvananthapuram-Kottayam-Ernakulam and Ernakulam-Shoranur-Palakkad sections.[[36]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-36)

[](https://en.wikipedia.org/wiki/File:Kerala_Flood_2018_-_Angamaly-_IMG_20180816_163946.jpg)

[](https://en.wikipedia.org/wiki/File:Kerala_Floods_2018_at_Angamaly.jpg)

[](https://en.wikipedia.org/wiki/File:SNC_Initiates_Operation_Madad_in_Kerala-opmadad70.jpg)

A flooded home on 16 August 2018 (left), a street flooded in Kerala (center) and aerial view as seen on 16 August 2018 (right)

Rescue[[edit](https://en.wikipedia.org/w/index.php?title=2018_Kerala_floods&action=edit&section=3)]

[](https://en.wikipedia.org/wiki/File:SNC_Initiates_Operation_Madad_in_Kerala-opmadad76.jpg)

[Southern Naval Command](https://en.wikipedia.org/wiki/Southern_Naval_Command) initiates [Operation Madad](https://en.wikipedia.org/wiki/Operation_Madad_(Indian_Navy)) in [Kerala](https://en.wikipedia.org/wiki/Kerala) on 16 August 2018

[](https://en.wikipedia.org/wiki/File:Padivattom_disaster_relief_camp,_Aug_2018.jpg)

Padivattom disaster relief camp on 17 August 2018

[](https://en.wikipedia.org/wiki/File:Odisha_fire_personnel_for_rescue_01.jpg)

Odisha fire personnel leaving from [Bhubaneswar](https://en.wikipedia.org/wiki/Bhubaneswar) for rescue operations in Kerala

Being instructed by ISRO the [Cabinet Secretary](https://en.wikipedia.org/wiki/Cabinet_Secretary_of_India), senior officers of Defence Services, [NDRF](https://en.wikipedia.org/wiki/National_Disaster_Response_Force), [NDMA](https://en.wikipedia.org/wiki/National_Disaster_Management_Authority_(India)) and secretaries of Civilian Ministries conducted meetings with Kerala Chief Secretary. Following the decisions taken during these meetings, the Centre launched massive rescue and relief operations. In one of the largest rescue operations 40 helicopters, 31 aircraft, 182 teams for rescue, 18 medical teams of defense forces, 90 teams of NDRF and 7 companies of [Central Armed Police Forces](https://en.wikipedia.org/wiki/Central_Armed_Police_Forces) were pressed into service along with over 500 boats and necessary rescue equipments.[[18]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-The_Indian_Express-18)[[37]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-ndrf-37)[[38]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-pib-38)[[39]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-pib2-39)[[40]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-pib3-40)

The fishermen from across Kerala were engaged in flood rescue missions. WhatsApp groups sprung up as Control Centers that coordinated help and support across various areas. A good majority of the population were involved in arranging supplies and help material in various ways.[[41]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-41) According to the government's estimate, a total of 4,537 from the fishermen community participated in the rescue operation with 669 fishing boats. They managed to rescue more than 65,000 people from various districts. P. Vijayanagar honoured the fishermen and the Fisheries Minister [J. Mercykutty Amma](https://en.wikipedia.org/wiki/J._Mercykutty_Amma) said that the government will provide financial aid to repair the fishing boats which were partially damaged in the rescue operations while new ones will be provided for those boats which were completely destroyed. According to estimates, seven boats were completely destroyed, while 452 were partially destroyed.[[42]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-42)[[43]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-43)[[44]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-44)[[45]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-45)

**Animal rescues**[[edit](https://en.wikipedia.org/w/index.php?title=2018_Kerala_floods&action=edit&section=4)]

Sally Varma of [Humane Society International](https://en.wikipedia.org/wiki/Humane_Society_International) arranged for animals to be rescued and transported to special shelters that housed affected animals. Social media has been used to highlight the rescue of multiple animals - dogs, cats, goats, cows, cattle, ducks and snakes, with animal food and medicine transported to affected areas.[[46]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-:6-46)

A worker with the Humane Society International spoke out against the tethering and leaving of pets that occurred. "That became a problem. So many tethered animals just drowned. These animals are natural swimmers, and it is better to keep them free so they can swim to higher ground." According to government records more than 8,000 cattle, calves and buffaloes, 3,297 goats, and 47 dogs have died due to the flooding.[[46]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-:6-46)

The District Collector of [Malappuram](https://en.wikipedia.org/wiki/Malappuram), and its Chief of Police have instructed the police force to save any animal that they encounter during rescue operations.[[47]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-47)

Relief and monetary aid[[edit](https://en.wikipedia.org/w/index.php?title=2018_Kerala_floods&action=edit&section=5)]

**Government, NGOs and NPOs**[[edit](https://en.wikipedia.org/w/index.php?title=2018_Kerala_floods&action=edit&section=6)]

* The [Government of Kerala](https://en.wikipedia.org/wiki/Government_of_Kerala) started a donation website for flood victims.[[48]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-48) As of 30 August 2018, ₹24,067 million (US$350 million) was collected from the public including organisations, corporate firms and famous personalities.[[49]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-49)[[*better source needed*](https://en.wikipedia.org/wiki/Wikipedia:NOTRS)]
* The [Prime Minister of India](https://en.wikipedia.org/wiki/Prime_Minister_of_India), [Narendra Modi](https://en.wikipedia.org/wiki/Narendra_Modi) announced a sum of ₹5 billion (US$72 million) as interim relief for Kerala on 18 August 2018. This is in addition to ₹5.6245 billion (US$81 million) already made available in SDRF of the State and ₹1 billion (US$14 million) announced on 12 August 2018 by the Home Minister.[[50]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-50)[[51]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-51) The central government also said in its press release that this ₹6 billion (US$87 million) is only the advance assistance and that additional funds will be released by the [NDRF](https://en.wikipedia.org/wiki/National_Disaster_Response_Force) when an inter-ministerial team visits again and assesses the damage.[[18]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-The_Indian_Express-18)[[52]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-52) The central government, in one of the largest rescue operations, deployed 40 helicopters, 31 aircraft, 500 boats, 182 rescue teams and 18 medical teams of defence forces, 58 teams of [NDRF](https://en.wikipedia.org/wiki/National_Disaster_Response_Force) and 7 companies of [Central Armed Police Forces](https://en.wikipedia.org/wiki/Central_Armed_Police_Forces). Together they saved over 60,000 human lives.[[53]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-53)
* [European Union](https://en.wikipedia.org/wiki/European_Union) announced an assistance of ₹15.3 million (US$220,000) in aid [[54]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-54)[[55]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-55) funding to the [Indian Red Cross Society](https://en.wikipedia.org/wiki/Indian_Red_Cross_Society) for providing relief to flood-affected people in Kerala.[[56]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-56)
* The Governments of [Qatar](https://en.wikipedia.org/wiki/Qatar), [Pakistan](https://en.wikipedia.org/wiki/Pakistan), [Maldives](https://en.wikipedia.org/wiki/Maldives) and [Thailand](https://en.wikipedia.org/wiki/Thailand) extended condolences and offered humanitarian assistance and monetary aid.[[57]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-57)[[58]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-58)[[59]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-59)
* [Mata Amritanandamayi Math](https://en.wikipedia.org/wiki/Mata_Amritanandamayi_Math) donated ₹100 million (US$1.4 million) to the Kerala Chief Minister's Distress Relief Fund, in addition to providing relief materials and helping in rescue operations.[[60]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-mata-60)
* People's Foundation, an NGO based in Calicut, with the support of [Ideal Relief Wing Kerala](https://en.wikipedia.org/wiki/Ideal_Relief_Wing_Kerala) had served with 37,000 volunteers for rescue and hygiene operations. Their volunteers had cleaned 11,139 houses and conducted 494 relief camps for flood victims. They also committed to build 500 houses, at a cost of ₹300 million (US$4.3 million).[[61]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-61)
* A fundraising campaign started via the Federation of Malayalee Associations of Americas (FOMAA) 2018 - 2020 leadership, later migrating to Facebook procured over 260 donors from across the world and was able to raise enough money to build more than forty homes and dedicate various villages across districts of Kerala. [[62]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-62)[[63]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-63)
* A fundraising campaign started on Facebook by charitable organisations Knanaya Catholic Yuvajanavedhi of Chicago and Care and Share along with a person named Arun Simon Nellamattom and others raised and donated US$1.6 million to Kerala Chief Minister's Distress Relief Fund.[[64]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-64)[[65]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-65)
* [IsraAid](https://en.wikipedia.org/wiki/IsraAid), an Israeli NGO sent relief workers to distribute supplies and assess needs for clean water, sanitation, and psychological care.[[66]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-66)[[67]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-67)
* Many Members of Parliament, Members of State Legislative Assemblies and Councils, civil servants and government employees across the country have also donated their one month's salary and/or allowances towards Kerala Chief Minister's Distress Relief Fund.[[68]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-68)[[69]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-69)[[70]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-70)
* Chief Ministers of all the states (and Delhi) have pledged monetary aid from their respective state funds in addition to dispatch of various relief materials such as potable water, blankets, packed food, rice, water-purifying machines, daily-use and healthcare products. Monetary contributions are listed below:

| **State/union territory** | **Amount** | **Refs** |
| --- | --- | --- |
| [Andhra](https://en.wikipedia.org/wiki/Andhra_Pradesh) Pradesh | ₹100 million (US$1.4 million) | [[71]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-71) |
| [Arunachal Pradesh](https://en.wikipedia.org/wiki/Arunachal_Pradesh) | ₹30 million (US$430,000) | [[72]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-72) |
| [Assam](https://en.wikipedia.org/wiki/Assam) | ₹30 million (US$430,000) | [[73]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-73) |
| [Bihar](https://en.wikipedia.org/wiki/Bihar) | ₹100 million (US$1.4 million) | [[74]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-74) |
| [Chhattisgarh](https://en.wikipedia.org/wiki/Chhattisgarh) | ₹30 million (US$430,000) | [[75]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-75) |
| [Delhi](https://en.wikipedia.org/wiki/Delhi) | ₹100 million (US$1.4 million) | [[76]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-76) |
| [Goa](https://en.wikipedia.org/wiki/Goa) | ₹50 million (US$720,000) | [[77]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-77) |
| [Gujarat](https://en.wikipedia.org/wiki/Gujarat) | ₹100 million (US$1.4 million) | [[78]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-78) |
| [Haryana](https://en.wikipedia.org/wiki/Haryana) | ₹100 million (US$1.4 million) | [[79]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-79) |
| [Himachal Pradesh](https://en.wikipedia.org/wiki/Himachal_Pradesh) | ₹50 million (US$720,000) | [[80]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-80) |
| [Jharkhand](https://en.wikipedia.org/wiki/Jharkhand) | ₹50 million (US$720,000) | [[81]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-81) |
| [Karnataka](https://en.wikipedia.org/wiki/Karnataka) | ₹100 million (US$1.4 million) | [[82]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-82) |
| [Madhya Pradesh](https://en.wikipedia.org/wiki/Madhya_Pradesh) | ₹100 million (US$1.4 million) | [[83]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-83) |
| [Maharashtra](https://en.wikipedia.org/wiki/Maharashtra) | ₹200 million (US$2.9 million) | [[84]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-84) |
| [Manipur](https://en.wikipedia.org/wiki/Manipur) | ₹20 million (US$290,000) | [[85]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-85) |
| [Meghalaya](https://en.wikipedia.org/wiki/Meghalaya) | ₹10 million (US$140,000) | [[86]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-86) |
| [Mizoram](https://en.wikipedia.org/wiki/Mizoram) | ₹20 million (US$290,000) | [[87]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-87) |
| [Nagaland](https://en.wikipedia.org/wiki/Nagaland) | ₹10 million (US$140,000) | [[88]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-88) |
| [Odisha](https://en.wikipedia.org/wiki/Odisha) | ₹100 million (US$1.4 million) | [[89]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-89) |
| [Puducherry](https://en.wikipedia.org/wiki/Puducherry) | ₹10 million (US$140,000) | [[90]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-90) |
| [Punjab](https://en.wikipedia.org/wiki/Punjab) | ₹50 million (US$720,000) | [[91]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-91) |
| [Rajasthan](https://en.wikipedia.org/wiki/Rajasthan) | ₹100 million (US$1.4 million) | [[92]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-92) |
| [Tamil Nadu](https://en.wikipedia.org/wiki/Tamil_Nadu) | ₹100 million (US$1.4 million) | [[93]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-93) |
| [Telangana](https://en.wikipedia.org/wiki/Telangana) | ₹250 million (US$3.6 million) | [[94]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-94) |
| [Tripura](https://en.wikipedia.org/wiki/Tripura) | ₹10 million (US$140,000) | [[95]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-95) |
| [Uttar Pradesh](https://en.wikipedia.org/wiki/Uttar_Pradesh) | ₹150 million (US$2.2 million) | [[96]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-96) |
| [Uttarakhand](https://en.wikipedia.org/wiki/Uttarakhand) | ₹50 million (US$720,000) | [[97]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-97) |
| [West Bengal](https://en.wikipedia.org/wiki/West_Bengal) | ₹100 million (US$1.4 million) | [[98]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-98) |
| **Total** | **₹2.12 billion (US$31 million)** | |

**Housing projects for flood victims by NGOs**[[edit](https://en.wikipedia.org/w/index.php?title=2018_Kerala_floods&action=edit&section=7)]

| **Organization** | **Number of houses** | **Refs** |
| --- | --- | --- |
| Act On | 300 | [[99]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-%E0%B4%AA%E0%B5%8D%E0%B4%B0%E0%B4%B3%E0%B4%AF%E0%B4%AC%E0%B4%BE%E0%B4%A7%E0%B4%BF%E0%B4%A4_%E0%B4%AA%E0%B5%8D%E0%B4%B0%E0%B4%A6%E0%B5%87%E0%B4%B6%E0%B4%99%E0%B5%8D%E0%B4%99%E0%B4%B3%E0%B5%86%E0%B4%95%E0%B5%8D%E0%B4%95%E0%B5%81%E0%B4%B1%E0%B4%BF%E0%B4%9A%E0%B5%8D%E0%B4%9A%E0%B5%8D_%E0%B4%B1%E0%B4%BF%E0%B4%AA%E0%B5%8D%E0%B4%AA%E0%B5%8B%E0%B4%B0%E0%B5%8D%E2%80%8D%E0%B4%9F%E0%B5%8D%E0%B4%9F%E0%B5%8D_%E0%B4%A4%E0%B4%AF%E0%B5%8D%E0%B4%AF%E0%B4%BE%E0%B4%B1%E0%B4%BE%E0%B4%95%E0%B5%8D%E0%B4%95%E0%B5%81%E0%B4%82;_%E0%B4%9C%E0%B4%BF%E0%B4%B2%E0%B5%8D%E0%B4%B2%E0%B4%BE_%E0%B4%95%E0%B4%B3%E0%B4%95%E0%B5%8D%E0%B4%9F%E0%B4%B0%E0%B5%8D%E2%80%8D-99) |
| Peoples Foundation | 500 | [[100]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-Flood_Relief_Rehabilitation_Project_distribution_-_Peoples_Foundation-100) |
| [Muslim Jamaath](https://en.wikipedia.org/wiki/Muslim_Jamaat) | 1000 | [[101]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-Jamaath_plans_1,000_houses_for_flood_victims-101) |
| [Joy Alukkas](https://en.wikipedia.org/wiki/Joy_Alukkas) | 250 | [[102]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-Joyalukkas_group_to_construct_250_houses_for_Kerala_flood_victims_-_Times_of_India-102) |
| [Muthoot Group](https://en.wikipedia.org/wiki/Muthoot_Group) | 200 | [[103]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-%E0%B4%AA%E0%B5%8D%E0%B4%B0%E0%B4%B3%E0%B4%AF%E0%B4%A4%E0%B5%8D%E0%B4%A4%E0%B4%BF%E0%B4%B2%E0%B5%8D%E2%80%8D_%E0%B4%B5%E0%B5%80%E0%B4%9F%E0%B5%8D_%E0%B4%A8%E0%B4%B7%E0%B5%8D%E0%B4%9F%E0%B4%AA%E0%B5%8D%E0%B4%AA%E0%B5%86%E0%B4%9F%E0%B5%8D%E0%B4%9F_200_%E0%B4%95%E0%B5%81%E0%B4%9F%E0%B5%81%E0%B4%82%E0%B4%AC%E0%B4%99%E0%B5%8D%E0%B4%99%E0%B4%B3%E0%B5%8D%E2%80%8D%E0%B4%95%E0%B5%8D%E0%B4%95%E0%B5%8D_%E0%B4%AE%E0%B5%81%E0%B4%A4%E0%B5%8D%E0%B4%A4%E0%B5%82%E0%B4%B1%E0%B5%8D%E0%B4%B1%E0%B5%8D_%E0%B4%97%E0%B5%8D%E0%B4%B0%E0%B5%82%E0%B4%AA%E0%B5%8D%E0%B4%AA%E0%B4%BF%E0%B4%A8%E0%B5%8D%E0%B4%B1%E0%B5%86_%E0%B4%B5%E0%B5%80%E0%B4%9F%E0%B5%8D-103) |
| Co operative department | 1500 | [[104]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-%E0%B4%AA%E0%B5%8D%E0%B4%B0%E0%B4%B3%E0%B4%AF%E0%B4%A4%E0%B5%8D%E0%B4%A4%E0%B4%BF%E0%B5%BD_%E0%B4%B5%E0%B5%80%E0%B4%9F%E0%B5%8D_%E0%B4%A8%E0%B4%B7%E0%B5%8D%E0%B4%9F%E0%B4%AA%E0%B5%8D%E0%B4%AA%E0%B5%86%E0%B4%9F%E0%B5%8D%E0%B4%9F_1500_%E0%B4%95%E0%B5%81%E0%B4%9F%E0%B5%81%E0%B4%82%E0%B4%AC%E0%B4%99%E0%B5%8D%E0%B4%99%E0%B5%BE%E0%B4%95%E0%B5%8D%E0%B4%95%E0%B5%8D_%E0%B4%B8%E0%B4%B9%E0%B4%95%E0%B4%B0%E0%B4%A3_%E0%B4%B5%E0%B4%95%E0%B5%81%E0%B4%AA%E0%B5%8D%E0%B4%AA%E0%B5%8D_%E0%B4%B5%E0%B5%80%E0%B4%9F%E0%B5%81%E0%B4%B5%E0%B4%9A%E0%B5%8D%E0%B4%9A%E0%B5%8D_%E0%B4%A8%E0%B5%BD%E0%B4%95%E0%B5%81%E0%B4%AE%E0%B5%86%E0%B4%A8%E0%B5%8D%E0%B4%A8%E0%B5%8D_%E0%B4%AE%E0%B5%81%E0%B4%96%E0%B5%8D%E0%B4%AF%E0%B4%AE%E0%B4%A8%E0%B5%8D%E0%B4%A4%E0%B5%8D%E0%B4%B0%E0%B4%BF-104) |
| **Total** | **3750** | |

|[Federation of Malayalee Associations of Americas - FOMAA](https://en.wikipedia.org/w/index.php?title=Federation_of_Malayalee_Associations_of_Americas_-_FOMAA&action=edit&redlink=1)||250||[[105]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-FOMAA_constructed_over_40_homes_in_three_different_districts_of_Kerala_-_Manorama_Online-105)

**Corporate and Individuals**[[edit](https://en.wikipedia.org/w/index.php?title=2018_Kerala_floods&action=edit&section=8)]

* Dr. Azad Moopen, Chairman and Managing Director of Aster DM Healthcare has donated ₹25 million (US$360,000) to the Kerala Chief Minister's relief fund and another ₹125 million (US$1.8 million) for rebuilding houses in flood affected areas.[[106]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-106)[[107]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-107)[[108]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-108)[[109]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-109)[[110]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-110)
* [Google](https://en.wikipedia.org/wiki/Google), [Facebook](https://en.wikipedia.org/wiki/Facebook), [Amazon](https://en.wikipedia.org/wiki/Amazon_(company)), [Flipkart](https://en.wikipedia.org/wiki/Flipkart), BigBasket, [Airtel Payments Bank](https://en.wikipedia.org/wiki/Airtel_Payments_Bank), [Paytm](https://en.wikipedia.org/wiki/Paytm), and [Google Pay](https://en.wikipedia.org/wiki/Google_Pay) have also provided an option for donation for relief efforts on their respective platforms.[[111]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-111)
* Major oil companies of India such as [BPCL](https://en.wikipedia.org/wiki/Bharat_Petroleum), [HPCL](https://en.wikipedia.org/wiki/Hindustan_Petroleum), [IOCL](https://en.wikipedia.org/wiki/Indian_Oil_Corporation), and others have collectively donated ₹250 million (US$3.6 million) to the Kerala Chief Minister's Distress Relief Fund, in addition to providing relief materials and helping in rescue operations.[[112]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-112)[[113]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-113)[[114]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-114)
* [Reliance Foundation](https://en.wikipedia.org/wiki/Reliance_Foundation) chairperson [Nita Ambani](https://en.wikipedia.org/wiki/Nita_Ambani) has announced a donation of ₹210 million (US$3.0 million) to the Kerala Chief Minister's Distress Relief Fund, besides relief materials worth around ₹500 million (US$7.2 million).[[115]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-115)
* Adani Foundation, the CSR, sustainability and community outreach arm of the [Adani Group](https://en.wikipedia.org/wiki/Adani_Group), has committed to provide ₹10 million (US$140,000) for immediate relief and another ₹10 million (US$140,000) is earmarked for rehabilitation and resettlement.[[116]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-116)[[117]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-117)
* [Star India](https://en.wikipedia.org/wiki/Star_India), its parent company [21st Century Fox](https://en.wikipedia.org/wiki/21st_Century_Fox) and their employees have collectively donated ₹50 million (US$720,000).[[118]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-118)[[119]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-119)[[120]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-120)
* [Canara Bank](https://en.wikipedia.org/wiki/Canara_Bank), a leading nationalised public sector bank, donated ₹50.1 million (US$720,000) towards Kerala Chief Minister's Disaster Relief Fund. Besides this, 10 tonnes of rice packets were also donated under [CSR](https://en.wikipedia.org/wiki/Corporate_social_responsibility).[[121]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-121)
* [Bollywood](https://en.wikipedia.org/wiki/Bollywood) actor [Sushant Singh Rajput](https://en.wikipedia.org/wiki/Sushant_Singh_Rajput) has donated ₹10 million (US$140,000) to the Kerala Chief Minister's relief fund on behalf of an Instagram fan.[[122]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-122)[[123]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-123)[[124]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-124)[[125]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-125)[[126]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-126) He also sent his team for relief activity in Kerala.[[127]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-127) [Vidya Balan](https://en.wikipedia.org/wiki/Vidya_Balan), [Siddharth Roy Kapoor](https://en.wikipedia.org/wiki/Siddharth_Roy_Kapoor), [Shah Rukh Khan](https://en.wikipedia.org/wiki/Shah_Rukh_Khan), [Amitabh Bachchan](https://en.wikipedia.org/wiki/Amitabh_Bachchan), [Abhishek Bachchan](https://en.wikipedia.org/wiki/Abhishek_Bachchan), [Alia Bhatt](https://en.wikipedia.org/wiki/Alia_Bhatt), [Siddharth Suryanarayan](https://en.wikipedia.org/wiki/Siddharth_(actor)), [Rishi Kapoor](https://en.wikipedia.org/wiki/Rishi_Kapoor), [Vidhu Vinod Chopra](https://en.wikipedia.org/wiki/Vidhu_Vinod_Chopra), [Akshay Kumar](https://en.wikipedia.org/wiki/Akshay_Kumar), [Suriya](https://en.wikipedia.org/wiki/Suriya) and [Resul Pookutty](https://en.wikipedia.org/wiki/Resul_Pookutty) are others from film industry to have contributed to Kerala Chief Minister's relief fund.[[128]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-128)[[129]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-129)
* KP Hussain, chairman of Fathima Healthcare Group, has donated ₹10 million (US$140,000) to the Kerala Chief Minister's relief fund, and another ₹40 million (US$580,000) for medical relief aid.[[130]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-130)
* Doctor, entrepreneur, and philanthropist [Shamsheer Vayalil](https://en.wikipedia.org/wiki/Shamsheer_Vayalil) will donate ₹500 million (US$7.2 million) for the relief of flood victims by setting up a project to fight housing, education and healthcare issues.[[131]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-131)
* UAE-based Indian businesses have donated ₹188.5 million (US$2.7 million) so far to Khalifa Bin Zayed Al Nahyan Foundation's relief fund. Among those to donate were Indian businessmen [Yusuff Ali M.A.](https://en.wikipedia.org/wiki/Yusuff_Ali_M.A.), chairman and managing director of LuLu Group International, and Dr. [B. R. Shetty](https://en.wikipedia.org/wiki/B._R._Shetty), founder and chairman of [NMC Health](https://en.wikipedia.org/wiki/NMC_Health).[[132]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-132)
* [Bombay High Court](https://en.wikipedia.org/wiki/Bombay_High_Court) directed Galpha Laboratories to deposit a sum of ₹15 million (US$220,000) towards the Kerala Chief Minister's Fund after losing trademark infringement case filed by [Glenmark Pharmaceuticals](https://en.wikipedia.org/wiki/Glenmark_Pharmaceuticals). The court initially said that Galpha Laboratories would have to pay the sum to [Glenmark Pharmaceuticals](https://en.wikipedia.org/wiki/Glenmark_Pharmaceuticals). However, [Glenmark Pharmaceuticals](https://en.wikipedia.org/wiki/Glenmark_Pharmaceuticals) requested the court to direct Galpha Laboratories to deposit the sum in an NGO. Following this, the court directed that the money is to be deposited in the Kerala Chief Minister's Fund.[[133]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-133)
* Indian cricket team captain, [Virat Kohli](https://en.wikipedia.org/wiki/Virat_Kohli), dedicated his team's test win over England at Trent Bridge to the flood victims of Kerala.[[134]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-134) The Indian team has donated match fees for Kerala flood victims.[[135]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-135)
* Chipsan Aviation provided 3 helicopters for rescue & Relief operations.[[*citation needed*](https://en.wikipedia.org/wiki/Wikipedia:Citation_needed)]
* CHD Group, a Mangalore-headquartered public health organization led by Dr. Edmond Fernandes, MD has been working tirelessly in championing the needs of tribal communities, adivasis and other backward areas in optimizing their healthcare post disaster.[[*citation needed*](https://en.wikipedia.org/wiki/Wikipedia:Citation_needed)]

Response[[edit](https://en.wikipedia.org/w/index.php?title=2018_Kerala_floods&action=edit&section=9)]

India's Prime Minister [Narendra Modi](https://en.wikipedia.org/wiki/Narendra_Modi) being received by the [Governor of Kerala](https://en.wikipedia.org/wiki/Governor_of_Kerala) [P. Sathasivam](https://en.wikipedia.org/wiki/P._Sathasivam) and the [Chief Minister of Kerala](https://en.wikipedia.org/wiki/Chief_Minister_of_Kerala), [Pinarayi Vijayan](https://en.wikipedia.org/wiki/Pinarayi_Vijayan), on his arrival, in [Kochi](https://en.wikipedia.org/wiki/Kochi), to survey the flood-affected areas, on 18 August 2018.

At a press conference on 11 August, [Chief Secretary](https://en.wikipedia.org/wiki/Chief_secretary_(India)) Tom Jose said, "Things are well under control. The government is on top of the situation."[[136]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-136) Prime Minister Narendra Modi conducted an aerial survey and offered federal support to Keralites. Chief Minister [Pinarayi Vijayan](https://en.wikipedia.org/wiki/Pinarayi_Vijayan) described the floods as "something that has never happened before in the history of Kerala" and placed some of the blame on neighbouring [Tamil Nadu](https://en.wikipedia.org/wiki/Tamil_Nadu) for releasing excess water from the state-operated [Mullaperiyar dam](https://en.wikipedia.org/wiki/Mullaperiyar_Dam), which worsened the situation.[[28]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-:1-28)

**International**[[edit](https://en.wikipedia.org/w/index.php?title=2018_Kerala_floods&action=edit&section=10)]

The [United States embassy](https://en.wikipedia.org/wiki/US_embassy) urged its citizens to avoid traveling to the affected areas.[[137]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-137) The UAE embassy in India issues warning for its citizens regarding the flood. The embassy also said that the weather agencies in India have given warnings regarding heavy rainfall in the southern state of Kerala.[[138]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-138) The [President](https://en.wikipedia.org/wiki/President_(government_title)) of UAE [Sheikh Khalifa bin Zayed Al Nahyan](https://en.wikipedia.org/wiki/Sheikh_Khalifa_bin_Zayed_Al_Nahyan) has instructed the formation of a national emergency committee to provide relief assistance to people affected by flash floods in the Indian state of Kerala.[[139]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-139) [Imran Khan](https://en.wikipedia.org/wiki/Imran_Khan), the newly elected [Prime minister of Pakistan](https://en.wikipedia.org/wiki/Prime_minister_of_Pakistan) expressed his grief at the loss of lives in Kerala floods, and he said his country is ready to provide any humanitarian assistance if needed.

There was a controversy regarding an offer of US$100 million from the Government of the UAE. The news about UAE aid started to spread with a tweet from CMO Kerala. "CM Pinarayi Vijayan informed that the United Arab Emirates will provide Kerala an assistance of ₹700 Crore. Kerala has a special relationship with UAE, which is a home away from home for Malayalees. We express our gratitude to UAE for their support. #KeralaFloodRelief". Normally the aid news will be announced by the government officials of the country which is offering the aid. [Ministry of External Affairs](https://en.wikipedia.org/wiki/Ministry_of_External_Affairs_(India)) of India clarified that they received no such offer for financial help from any country. The UAE Ambassador to India also declared that, officially, there was no announcement on donation to the State of Kerala.

Rainfall data[[edit](https://en.wikipedia.org/w/index.php?title=2018_Kerala_floods&action=edit&section=11)]

**Rainfall departures**[[edit](https://en.wikipedia.org/w/index.php?title=2018_Kerala_floods&action=edit&section=12)]

Week by week departures from normal (%) (date indicates the end of the week)

50

100

150

200

250

300

6/6

6/13

6/20

6/27

7/4

7/11

7/18

7/25

8/1

8/8

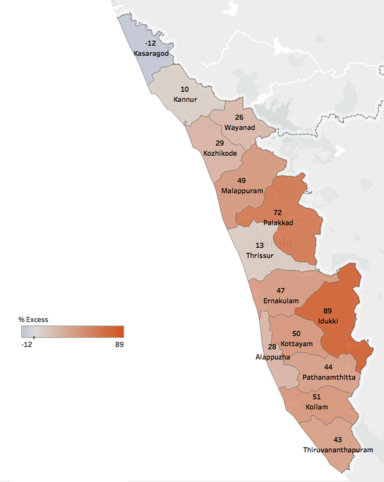
8/15

8/22

8/29

9/5

**Cumulative rainfall by district**[[edit](https://en.wikipedia.org/w/index.php?title=2018_Kerala_floods&action=edit&section=13)]

[](https://en.wikipedia.org/wiki/File:Kerala_-_Cumulative_rainfall_by_district_2018.png)

1 June 2018 – 22 August 2018[[140]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-CRIS-140)

Percentage increase in rainfall compared to normal.

| **(1 June 2018 – 17 August 2018)**[[140]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-CRIS-140)[[141]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-141) | | | |
| --- | --- | --- | --- |
| **District** | **Rainfall (mm)** | **Normal (mm)** | **% increase** |
| [Alappuzha](https://en.wikipedia.org/wiki/Alappuzha_district) | 1648.1 | 1309.5 | 20.54% |
| [Ernakulam](https://en.wikipedia.org/wiki/Ernakulam) | 2305.9 | 1606.0 | 43.58% |
| [Idukki](https://en.wikipedia.org/wiki/Idukki_district) | 3211.1 | 1749.1 | 83.58% |
| [Kannur](https://en.wikipedia.org/wiki/Kannur_district) | 2450.9 | 2234.9 | 9.66% |
| [Kasaragod](https://en.wikipedia.org/wiki/Kasaragod_district) | 2549.94 | 2489.1 | -2.44% |
| [Kollam](https://en.wikipedia.org/wiki/Kollam_district) | 1427.3 | 985.4 | 44.84% |
| [Kottayam](https://en.wikipedia.org/wiki/Kottayam_district) | 2137.6 | 1452.6 | 32.04% |
| [Kozhikode](https://en.wikipedia.org/wiki/Kozhikode_district) | 2796.4 | 2156.5 | 22.80% |
| [Malappuram](https://en.wikipedia.org/wiki/Malappuram_district) | 2529.8 | 1687.3 | 49.93% |
| [Palakkad](https://en.wikipedia.org/wiki/Palakkad_district) | 2135.0 | 1254.2 | 70.22% |
| [Pathanamthitta](https://en.wikipedia.org/wiki/Pathanamthitta_district) | 1762.7 | 1287.5 | 36.90% |
| [Thiruvananthapuram](https://en.wikipedia.org/wiki/Thiruvananthapuram_district) | 920.8 | 643.0 | 43.07% |
| [Thrissur](https://en.wikipedia.org/wiki/Thrissur_district) | 1894.5 | 1738.2 | 8.99% |
| [Wayanad](https://en.wikipedia.org/wiki/Wayanad_district) | 2676.8 | 2167.2 | 23.51% |
| **Kerala** | **2226.4** | **1620.0** | **37.43%** |

Immediate drought after the flood[[edit](https://en.wikipedia.org/w/index.php?title=2018_Kerala_floods&action=edit&section=14)]

A few days after receiving one of the highest rainfalls in a century, Kerala was caught under the threat of severe drought. Water level in wells, ponds and rivers have recorded lowest levels and some wells even collapsed. The water level in wells, especially in high ranges of Idukki district has come down by 20 feet in just a matter of 15 days.[[142]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-142) Chief minister Pinarayi Vijayan has directed the State council for Science, Technology & Environment to carry out studies on the phenomenon after floods across the state and suggest possible solutions to the problem.[[143]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-143)[[144]](https://en.wikipedia.org/wiki/2018_Kerala_floods#cite_note-144)

A.B. Anita, executive director, Centre for Water Resource Development Management (CWRDM), an autonomous research institution under the State government, said heavy run-off of the top soil in the upland areas and the siltation in the rivers were the reasons for the falling water level. The top soil in the hills and upland areas had been removed in the flash floods to a depth of up to two metres in many places. As the top soil was shaved off, it ruined the hills' capacity to sponge in rainwater, she said. Ms. Anita cited ecological destruction caused by deforestation, harmful land use in the upland areas and sand mining in the streams and rivers as having contributed to the top soil run-off and siltation. This was exacerbated by the impact of climate change at the macro level.

Echoing her views, experts at the [National Institute of Technology, Calicut](https://en.wikipedia.org/wiki/National_Institute_of_Technology_Calicut), (NIT-C) said it was usual for the water level in the rivers and domestic wells to fall after fluvial floods. "Normally, a river flows through the sand of its own bearing till the mouth. However, this time the discharge has been full, taking the sand and the rocks in the youth-stage along with the floods. So the water level in the rivers comes down. And when the river water level is reduced, the groundwater table also does not get replenished since the rivers and groundwater table are connected," said K. Saseendran, geologist and professor at the NIT-C.