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### Climate change to hit quality of life: Report

Malavika Vyawahare

malavika.vyawahare@hindustantimes.com

NEW DELHI: Climate change if unchecked will lower living standards of about half of South Asia's population by 2050, with people in central India likely to be worst hit, a World Bank report will say.

Overall 600 million Indians will be moderately or severely affected by changes in temperature and rainfall. People living inland are more likely to witness an erosion in living standards compared to those incoastal and hilly regions, says the report that will be released on Thursday.

"Almost half of South Asia's population lives in areas that are projected to become moderate to severe hotspots by 2050 under the carbon-intensive scenario," a preview of the report says. "At the same time, living standards in some currently cold and dry



Rising temperature and changing rainfall is likely to hamper living standards drastically by 2050, the World Bank report states.

mountain areas could improve marginally."

Hotspots are areas where living standards will be most affected by changes in temperature and rainfall.

The report used household survey data to understand the link between living standards and weather conditions.

It examines how rising temperatures and changing rainfall patterns will impact living standards under two scenarios: One, where aggressive climate-change action is taken and another when minimal action is taken.

The report looks at 11 models that have been able to predict with a high degree of accuracy the changes in temperature and rainfall in South Asia at the district level. In both cases standard of life of people is likely to fall, but the impacts would be very severe in the minimal-action scenario.

The World Bank findings are the latest in a series of warnings that a warming planet posed a serious risk to India, which could hamper the country's growth story. A study released earlier this year found that India is one of the most vulnerable countries to climate change, which is likely to lead to greater food insecurity, even if the temperature rises by 1.5 degrees Celsius above pre-industrial levels.

A leaked draft report from the Intergovernmental Panel on Climate Change this month suggested that current pledges taken by countries to reduce green by countries to reduce green enough to prevent catastrophic impacts of climate change.

"The government has not prioritised adaptation the way it should," Harjeet Singh, climatechange expert at Action Aid said. "India as a country has been ranked one of the most vulnerable countries to climate change. If we don't focus on adaptation we will see an erosion of development gains."

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in the

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## Monsoon in HP

SHIMLA, TUNE 27

The south-west monsoon arrived in most parts of the state on Wednesday. It will advance into the remaining parts of the state in the next 48 hours.

"Monsoons arrived in Kinnaur; Lahaul and Spiti, Kullu, Mandi, Kangra, Chamba, Shimla and parts of Solan, Una and Bilaspur districts and conditions are favourable for further advance of the south-west monsoon into the remaining parts of the state in the next 48 hours," Manmohan Singh, Director of local MeT office.

said. Rain along with thunderstorm lashed the state on Tuesday and was likely to continue during the next five days, he added.

The MeT office has warned of heavy to very heavy rain at isolated places especially in mid and lower hills and plains from Wednesday to June 30. Due to continued rain, there would be possibility of landslides and falling of trees in sensitive areas, waterlogging might occur in the fields of kharif crops in the lower districts of the state, an advisory issued by the MeT office said. — TNS

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High and dry

Water management on war footing needed

ALK of water today anywhere in India, and there is all chance that something would be gravely amiss. Right from the fountainhead — the glacier in the mountain — to the emptying of the river water into the sea, every stage of the flow reeks of gross mishandling and utter misuse of the precious resource. That the rivers are not gushingly overflowing with melted water of the glacier in the summer — as they should — is proof of receding glaciers due to the rising temperature and climate change calamity. A case in point is the Bhakra Dam reservoir, where the inflow has alarmingly plunged to 21,954 cusecs, the lowest ever — 70 feet lower than this time last year. This will have an adverse cascading effect, with drier taps and tubewells staring at the consumer. Unless rain gods

shower a good monsoon, this quantity of water is too insufficient for optimum power generation in the dam.

Also, along the river's path, massive deforestation and soil erosion have severely depleted the holding capacity of wetlands, marshes, ponds, aquifers and other water bodies, even as effluents and plastic waste are polluting the rivers and oceans. Aggravating the problem is the contamination. Various studies across the country have found unacceptable concentrations of calcium, magnesium, sodium, nitrate and flourine in over three-fourth of Malwa, rendering its water unsuitable for both drinking and irrigation and even affecting soil fertility. Unsafe quantities of uranium have been detected in 16 states, mostly due to overexploitation of groundwater. There is danger of many more cities going parched as Delhi, Bengaluru and Shimla did this summer.

Scuffles over drawing water, as the one in Hansi in Haryana recently, are becoming common. Before the fights take on the monstrous shape of a war, taking drastic measures to depollute the rivers as also to prevent deforestation must be the government's priority. Such remedial management practices can succeed only if complemented with public campaigns and individual efforts. Come hell or high water, each one of us has to be aware of the water crisis and the imperativeness of water harvesting and going green and clean. We need the elixir for life for our children and theirs.

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# Cabinet sets up panel on groundwater crisis

TRIBUNE NEWS SERVICE

CHANDIGARH, JUNE 27

Taking cognisance of reports on Punjab heading for a groundwater crisis by 2025, the state Cabinet on Wednesday constituted a sub-committee to suggest an action plan for water conservation and recharging.

In a Page-1 report published on Wednesday, *The Tribune* had highlighted that groundwater in large tracts of Punjab had become unsuitable for irrigation purposes, particularly in Malwa.

The five-member subcommittee has been mandated to assess the groundwater situation and interact with agriculturists, environmentalists, NGOs and groundwater experts before finalising its proposal within the next 45 days. The panel report is expected to help the state government formulate a water policy.

The sub-committee will

#### WATER WOES

- Punjab uses 73 per cent of its groundwater for irrigation
- Number of tubewells has gone up from 2 lakh in 1971 to 12.5 lakh in 2015-16
- Only 25 per cent agricultural land is dependent on canal water supply
- The state witnessed fall in annual rainfall by 30-40 per cent in three decades



share its report with the Centre to work out ways for crop diversification to minimise groundwater utilisation.

Flagging the issue at the Cabinet meeting, Chief Minister Capt Amarinder Singh suggested that the sub-committee, comprising Finance Minister Manpreet Singh Badal, Local Govern-

ment Minister Navjot Singh Sidhu, Jails Minister Sukhjinder Singh Randhawa, Revenue Minister Sukhbinder Singh Sarkaria and Education and Environment Minister OP Soni, should visit Israel to study water conservation methods.

Various departments of the state government have been asked to launch major awareness plans on water conservation.

The groundwater crisis came up for discussion when Mission Director, Directorate of Groundwater Management, Arunjit Singh Miglani, made a presentation to the Cabinet.

It was pointed out that 90 per cent of the blocks in the state had been declared dark, highest in the country, and 60 per cent of the state would be affected by a water crisis by 2025. The state would have no water left after 15 years, unless immediate steps were taken to control the situation.

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# Rains in many parts of country bring down mercury

NEW DELHI, 27 JUNE

Several parts of the country received rains which led to marked dip intemperatures, giving much needed respite to people from scorching heat, even as inclement weather conditions briefly affected flight opera-tions in Delhi and Uttar Pradesh's Gorakhpur today.

The national capital witnessed overcast skies almost throughout the day, followed by strong winds in the evening which kept the mercury in check, even as overnight rains led to increase in humidity levels. Sources at the Indira Gandhi International (IGI) Airporthere said six flights were diverted because of inclement weath-

er in the evening.

According to the Safdarjung observatory, the recording of which is considered the official figure, Delhi received 3.4 mm of rains till 8.30 am, while areas under Palam, Lodhi Road and Ridge observatories recorded 0.6 mm, 7.7 mm and 2 mm rains respectively.

The maximum temperature settled at 37.5 degrees Celsius, normal for this time of the year, while the minimum temperature was recorded at 26.2



Pre-monsoon clouds gather over Rajpath in the Capital on Wednesday.

AMARJEET SINGH

below the average.

In Jammu, the day temperature marked a dip of eight notches owing to clouds cover as weatherman forecast wet weather for the next four days.

The maximum tempera-ture recorded in the city of temples settled at 33.6 degrees Celsius, 4.1 notches below normalduring this part of the season. The minimum temperature, however, continued to stayslightly above normal at 27.1

previous night's 28.8 degrees Celsius. Most parts of Himachal Pradesh received heavy rains as the monsoon arrived in the hillstate in time. The usual date of arrival of the Monsoon in the state is June 25, and a week earlier or later is considered its normalarrival time, the director of the Meteorological Centre in Shimla, Manmohan Singh said. State capital Shimla received 36.4 mm rains, followed by 52 degrees Celsius, two notches degrees Celsius against the in Palampur of Kangra district. mmin Sujanpur Tira and 55 mm

The MeT departments aid Monsoon would remain active in the state till the last week of September. In Uttar Pradesh's Gorakhpur, rain from late last night till this morning affected normal life with massive water logging across the city. The Mahayogi Guru Gorakhnath airport has been closed and both flights to Delhi were cancelled.

The weather department has forecast likelihood of heavy to very heavy rains in nine districts -- Shravasti, Bahraich,

Kheri, Pilibhit, Bareilly. Shahjahanpur, Rampur, Moradabad and Bijnor -- of the state tomorrow. The IMD said heavy toveryheavyrainfalloccurred at isolated places over West Madhya Pradesh and heavy rainfall occurred at isolated places over Chhattisgarh, while thunderstorm was observed at isolated places over Vidarbha, Madhya Pradesh and Chhattisgarh. The southwest monsoon has entered Rajasthan and heavy rainfall occurred at isolated places in Udaipur, Bikaner and Jaipur divisions in last 24 hours, a MeT official said.

In Dungarpur district, Kanya and Nithuwa recorded 23 and 15 cm rainfall. Pratapgarh and Banswara recorded 12 and 11 cm rainfall respectively in last 24 hours.

Barmer was recorded the hottest with 38.4 degree Celsius followed by 38 in Jaisalmer. The MeT department has predicted heavy rainfall at isolated places in the state tomorrow.

Maximum temperature was markedly fell over West Madhya Pradesh and appreciably fell over East Madhya Pradesh, Vidarbha and Chhattisgarh, whereas no large change in minimum temperature over Chhattisgarh, Vidarbha and Madhya Pradesh, the IMD said.

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नई दिल्ली, (पंजाब केसरी): वापमान सामान्य से दो डिग्री कम रहा। में ले लिया। जून में माह में यह दूसरी बरसात दर्ज की गई है। इससे पहले नी जून को 0.5 मिमी बारिश हुई थी। अनुमान है कि 28 से 30 जून के बीच दिल्ली में अच्छी बरसात हो सकती है। ऐसा दक्षिण-पूर्वी मानसून के पूरे उत्तर पश्चिम भारत में सिक्रिय होने की वजह से माना जा रहा है। क्षेत्रीय मौसम् को उत्तर पश्चिम भारत के लगभग पूर्वानुमान केन्द्र दिल्ली के अनुसार अधिकांश हिस्सों में गर्जन के साथ अगले 48 घंटों में दक्षिण-पश्चिम बौछारें पड़ीं। मौसम विभाग की माने मानसून सक्रिय होने की संभावना बन रही है जिससे उत्तराखंड, हिमाचल भारत में अधिकतम तापमान दो से प्रदेश, पंजाब, हरियाणा, चंडीगढ, दिल्ली, राजस्थान और पश्चिमी उत्तर 29 जून को जम्मू-कश्मीर, हिमाचल प्रदेश में बारिश होगी।

दिल्ली में बुधवार को अधिकतम तापमान 37.5 डिग्री सेल्सियस, जबिक न्यूनतम तापमान 26.2 डिग्री संभावना बन रही है। इस दौरान तीव्र सेल्सियस दर्ज किया गया। न्यूनतम सतही हवाएं भी चलेंगी।

राजधानी में बुधवार की सुबह हुई सुबह साढ़े आठ बजे तक 3.4 मिमी बारिश के बाद मौसम खुशनुमा हो गया। बारिश दर्ज की गई, जबकि लोधी रोड इसके बाद चली हवाओं से भी राहत पर 7.7 मिमी बारिश रिकॉर्ड हुई। बीते मिली। देर रात भी दिल्ली में बारिश हुई 24 घंटों में अधिकतम आद्रता 92 और बादलों दिल्ली को अपने आगोश फीसद, जबकि न्यूनतम 57 फीसद रही। संभावना जताई जा रही थी कि बुधवार को बारिश के बाद अधिकतम तापमान गिरकर 32 डिग्री तक पहुँच जाएगा, लेकिन ऐसा नहीं हो सका। बारिश के बाद हवा चलने से जहां राहत मिली, वहीं बढी उमस ने लोगों को परेशान भी किया। हालांकि बुधवार तो अगले दो दिनों में उत्तर पश्चिम तीन डिग्री नीचे गिर जाएगा। 28 और प्रदेश, उत्तराखंड, पंजाब, चंडीगढ, हरियाणा, दिल्ली, उत्तर प्रदेश और राजस्थान में भारी बारिश होने की

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अगले ४८ घंटों में मानसून पश्चिमी यूपी, उत्तराखंड, हिमाचल, पंजाब के बाकी हिस्सों, हरियाणा में पहुंचेगा

Deccan Herald

# उत्तर भौरत के कई इलाकों में मानसून छाया



नई दिल्ली विशेष संवाददाता

मानसून बुधवार तक उत्तर-पश्चिम भारत के ज्यादातर क्षेत्रों में छा गया है। मौसम विभाग के अनुसार मानसून ने महाराष्ट्र, छत्तीसगढ़, ओडिशा, बिहार, झारखंड के बाकी हिस्सों समेत समूचे, मध्य प्रदेश, पूर्वी उत्तर प्रदेश, पश्चिम उत्तर प्रदेश के ज्यादातर हिस्सों, उत्तराखंड, हिमाचल प्रदेश और समूचे जम्मू कश्मीर को कवर कर लिया है। पंजाब के कुछ इलाकों में मानसूनी बारिश दर्ज की गई है। बुधवार को मानसून की स्थित अहमदाबाद, उदयपुर, सवाई माधोपुर, अलीगढ़, टिहरी गढ़वाल, ऊना और होते हुए अमृतसर दर्ज की गई है।

विभाग ने उम्मीद जताई है कि अगले 48 घंटों के भीतर मानसून पश्चिमी उत्तर प्रदेश, उत्तराखंड, हिप्र, पंजाब के बाकी हिस्सों, पूरे हरियाणा में छा जाएगा। वहीं बुधवार को दिल्ली समेत उत्तर पश्चिम मारत में कई इलाकों में प्री-मानसून बारिश भी हुई है। इस बीच मौसम विभाग ने पूर्वोत्तर के कई इलाकों में भारी से भारी वर्षा होने को चेतावनी जारी की है। जबकि पूर्वो उत्तर प्रदेश में भी भारी वर्षा की चेतावनी जारी की गई है।

कोणार्क सूर्य मंदिर में जलजमावः ओडिशा के पुरी जिले में हुई भारी बारिश के कारण कोणार्क स्थित विश्व प्रसिद्ध सूर्य मंदिर के परिसर में जलजमाव हो गया। भारतीय पुरातत्व सर्वेक्षण के एक अधिकारी ने बताया कि पुरी जिले में बुधवार को 127 मिमी बारिश हुई। सालों में यह दूसरा मौका है जब गोरखपुर में रिकॉर्ड तोड़ बारिश हुई गोरखपुर में रिकॉर्ड तोड़ बारिश हुई गोरखपुर में मंगलवार रात 1:26 बजे से शुरू हुई बारिश करीब छह घंटे तक लगातार हुई। इस साल देश में हुई यह सबसे अधिक बारिश दर्ज की गई है। शहर में 232.6 मिलीमीटर बारिश रिकॉर्ड की गई। जिले में करीब 380 मिलीमीटर बारिश हुई। पांच साल पहले जून 2013 में 24 घंटे में 342.2 बारिश हुई थी।



गोरखपुर में बुधवार की सुबह हुई मूसलाधार बारिश से सिंघड़िया के पास देवरिया हाईवे पर पानी भर गया। ● हिन्दुस्तान

#### वाराणसी

#### झमाझम बारिश

लंबे इंतजार के बाद पूर्वांचल में मानसून ने दस्तक दे दी। मंगलवार रात से बुघवार की सुबह तक वाराणसी और आसपास के जिलों में झमाझम बारिश हुई। बारिश ने न किसानों के चेहरे पर मुरकान बिखेरी बल्कि लोगों को गर्मी से भी राहत दी है। 24 घंटे में 39.6 मिलीमीटर बारिश रिकार्ड की गई है। अधिकतम तापमान एक और न्यूनतम तापमान में चार डिग्री की गिरावट आई है।

#### राजस्थान

#### तापमान गिरा

राजस्थान के उदयपुर, बीकानेर और जयपुर संभागों के कुछ हिस्सों में पिछले 24 घंटों के दौरान भारी बारिश दर्ज की गई। प्रदेश के अधिकतर हिस्सों में अधिकतम तापमान में पांच डिग्री सेल्सियस तक की गिरावट दर्ज की गई है। पिछले 24 घंटों के दौरान डूंगरपुर जिले के कांवा में 23 सेंटीमीटर, निथुवा में 15 सेंटीमीटर बारिश दर्ज की गई।

#### हरियाणा

#### फुहारों से राहत

हिसार और इसके आसपास के इलाकों में बुधवार को मानसून पूर्व की पहली बारिश हुई, जिससे मौसम सुहावना हो गया और लोगों को भीषण गर्मी से राहत मिली। दोपहर से शाम के बीच रुक रुक कर हुई 5 एमएम बारिश ने यहां का दिन के अधिकतम तापमान 39 डिग्री सेल्सियस से लुढ़काकर 31 डिग्री पर पहुंचा दिया।

#### हिमाचल : झूमकर बरसे बदरा

शिमला । हिमाचल प्रदेश में मानसून समय पर पहुंच गया है और अधिकांश इलाकों मं बुधवार को भारी बारिश दर्ज की गई । मीसम केंद्र के निदेशक मनमोहन सिंह ने बताया कि मानसून पर्वतीय प्रदेश में सम पर पहुंच गया । शिमला में राजधानी में 36.4 मिमी बारिश दर्ज की गई ।

#### उत्तराखंड : भारी बारिश होगी

देहरादून। उत्तराखंड में अगले 72 घंटों के दौरान भारी बारिश की चेतावनी जारी की गई है। क्षेत्रीय मौसम कायार्लय ने बुधवार को चेतावनी जारी कर राज्य खासकर कुमाऊं क्षेत्र में बारिश के आर जताए हैं। आएव सरवन्त

Government of India केन्द्रीय जल आयोग

Central Water Commission याढु प्रवीतामान प्रवीधन निवेशालय

Flood Forecast Monitoring Directorate

Tele/ Fax:

011-26106523, 26105274

e-mail: fmdretnic.in, timewelonall.com

Room No. 208(S), Sewa Bhawan, R.K. Puram, New Delhi-110066.

विषय : विनाकं 28 6 20 8 . वर्ध समाचार की कतरन ( News Clippings ) प्रस्तृत करने के सम्बन्ध में ।

मानसून/ बाढ़ सम्बन्धी सनाचारीं की कतरन ( News Clippings ) अवलोकन हेतू प्रस्तृत हैं :

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कृपया केन्द्रीय जल आयोग की वेब साईट पर अपलोड करने की व्यवस्था करें।

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28/6/18

को निम्ननिरितत समाचार पत्र में प्रकाशित मानसन/ बाह सम्बन्धा समान

Hindustan Times (Delhi) नवभारत टाईम्स ( दिल्ली ) The Tribune (Chandigarh) The Hindu (Chennai)

The Assam Tribune (Guwahati) The Times of India (Mumbai) The Telegraph (Kolkata) हिन्दुस्तान (पटना)

The Deccan Hearld (Bengluru) Fastern Freeway near Bhandup juriction Day 27 6 7

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### **IMD** withdraws heavy rainfall warning as the sun comes out

Richa.Pinto@timesgroup.com

Mumbai: After heavy downpour lashed an overcast city over the past few days, the sun came out on Tuesday. Barring a few heavy spells, most places in the city stayed more or less dry.

On Tuesday morning, Indian Meteorological Department (IMD) officials pulled out the heavy rain warning for Mumbai and said that only intermittent showers are likely in the next 24 hours. Very light rain was recorded by the IMD Colaba and San-

#### LAKE LEVELS UP

**Rainfall recorded between** Mon and Tues (8.30am-8.30pm)

Colaba

Santacruz

**WATER STOCK IN 7 LAKES** (IN LAKH MILLION LITRES)

**JUNE 26** 2018 2.5

**JUNE 25** 2018 2 2017 | 3.3

2017 | 3.5

Water stock in 7 lakes must be around 14.5 lakh million litres by the end of monsoon to ensure round-the-year supply

ta Cruz observatory on Tuesday of 2mm and 1.2mm, respectively. This was unlike the weekend when IMD's Santacruz observatory recorded extremely heavy rain between Sunday and Monday at 231.4mm and Colaba 99mm.

Nitha T, scientist from IMD Mumbai, said the weather system, which was giving Mumbai the heavy showers, has moved northward. "However, the offshore trough from south Gujarat to Kerala still exists and the refore intermittent showers are likely to continue," she said.

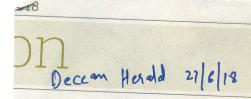
Meanwhile, maximum temperatures rose with the exit of heavy rain, from 27-28 degree Celsius to around 30 degrees.

विचार्क .... दे <mark>२०/९</mark> की निजन्तिरित्त समाचार पत्र में प्रक्रित मानसून/ बाह सम्बन्धा समान्त

Hindustan Times (Delhi) नवशारत टाईम्स ( दिल्ली ) The Tribune (Chandigarh) The Hindu (Chennai)

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The Deccan Hearld (Bengluru) The Deccan Chronical (Hyderabad) Central Chronical (Bhopal)



# **Heavy rain** claims 4 lives in Gujarat Cyclonic storm over

state weakens

AHMEDABAD: Gujarat that witnessed the deaths of four people due to heavy rain, heaved a sigh of relief on Tuesday as the cyclonic storm over the state dissipated.

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"The off-shore trough over Gujarat dissipated late on Monday evening and the cyclonic system over Gujarat has got diverted towards Madhya Pradesh. This has resulted in lower intensity of rains over the state," Jayanta Sarkar, director, MeT department in Ahmedabad said.

The MeT department had predicted heavy to very heavy rain across the state of Gujarat till Thursday.

As per the MeT department statistics released on Tuesday evening, most of the major towns and cities in the state that had received heavy to very heavy rain till Tuesday morning, witnessed almost no rain since then.

Talking about the possibility of rain over the next 24 hours, Sarkar said that there would be scattered heavy rain over central and eastern parts of Gujarat, including Chhota Udepur, Panchmahals, Mahisagar, as well as the northern districts of Sabarkantha, Arvalli and Gandhinagar.

Meanwhile, the state has kept 13 teams of NDRF on standby.

**DH News Service** 

The Deccan Hearld (Bengluru) The Deccan Chronical (Hyderabad

The Assam Tribune (Guwahati) The Times of India (Mumbai

# Brace for rain U-turn from



#### JUNE RAINFALL

Year	Highest rainfall i 24 hours (Date)
2018	162.6 (26)
2017	93.6 (20)
2016	31.7 (13)
2015	32.3 (26)
2014	39.8 (16)
2013	110.6 (21)
2012	35.0 (17)
2011	154.9 (18)
2010	72.4 (28)
2009	44.5 (18)

Rainfall in mm Source: IMD

Waterlogged CR Avenue at 9.22am on Tuesday. Picture by Sanjoy Chattopadhyaya ाहेगाक . 27/6/2018 की निजनित्रित समाचार पत्र में प्रकाशित मानसून/ बाद सम्बन्धा समान

Hindustan Times (Delhi) नवशारत टाईम्स ( दिल्ली ) The Tribune (Chandigarh) The Hindu (Chennai)

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The Telegraph (Kolka) हिन्द्रस्तान (पटना)

The Deccan Hearld (Bengluru)

# Wettest June day of decade sets the pace

#### **RITH BASU**

Alipore: The weather system largely responsible for Calcutta receiving the highest volume of rainfall on a single June day in 10 years is tipped to make a U-turn from the Bangladesh coast and cause another downpour on Wednes-

The regional meteorological centre recorded 162.6mm of rain in 24 hours till 8.30am on Tuesday, the most intense spell coming between 1am and 2am. The rain eased a bit thereafter but did not cease until morning, when it tapered and died out to pave the way for a sunny interval.

"There was no daytime rainfall because the cyclonic circulation over northwest Bay of Bengal had shifted towards the Bangladesh coast by then. This was the most potent among the three weather systems that had triggered rain in Calcutta over the past two days. The circulation is expected to swerve and come back towards the city, bringing with it heavy rain from early on Wednesday," Sanjib Bandyopadhyay, the deputy director-general of the India Meteorological Department in Calcutta, said.

The circulation is likely to make landfall and go across south Bengal by morning. Its projected trajectory from there is towards Delhi, which weather forecasters believe will influence the onset of the monsoon at many places in central and north India.

The volume and frequency of rainfall in south Bengal is likely to decline after that unless some a low-pressure formation appears over the Bay.

The rainfall since Monday had been spread out, although the volume differed from place to place. Chetla, Kalighat, Behala Flying Club, Jinjira Bazaar and Patuli received the heaviest showers along with Alipore, where the city's official weather station is located.

While rainfall and clouding kept the maximum temperature down to two degrees Celsius below normal at 31.1, the comfort was counterbalanced by the nuisance of flooded roads and lanes.

"The long-term rainfall average for the whole of June is 300.6mm, which means more than half this amount came down in a single day. This can be termed very heavy rainfall," Bandyopadhyay said.

June 18, 2011, is the only day in the last 10 years that comes closest to Monday's rainfall tally with 154.9mm. On at least four occasions during this decade, it didn't rain even 40mm on a single day, which meteorologists say can happen if the monsoon flow is

The all-time record for highest rainfall on a single June day in Calcutta is 303.5mm on June 18, 1908.

Bandyopadhyay said a cyclonic circulation over Bihar and adjoining north Bengal and a trough of low-pressure stretching from Punjab to Assam would keep the rain coming post-Wednesday. "We had the temperature shoot up to 40 degrees Celsius and heatwave-like conditions this month because the southwesterly wind flow had stopped and was replaced by a north-westerly blast. For the moment, we do not see that happening again."

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को निजनभिश्वित समाचार पत्र में प्रकाशित मानस्मृत/ वाढ सम्बन्धा समान्त

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### Monsoon in HP

SHIMLA, JUNE 27

The south-west monsoon arrived in most parts of the state on Wednesday. It will advance into the remaining parts of the state in the next 48 hours.

"Monsoons arrived in Kinnaur, Lahaul and Spiti, Kullu, Mandi, Kangra, Chamba, Shimla and parts of Solan, Una and Bilaspur districts and conditions are favourable for further advance of the south-west monsoon into the remaining parts of the state in the next 48 hours," Manmohan Singh, Director of local MeT office.

said. Rain along with thunderstorm lashed the state on Tuesday and was likely to continue during the next five days, he added.

The MeT office has warned of heavy to very heavy rain at isolated places especially in mid and lower hills and plains from Wednesday to June 30. Due to continued rain, there would be possibility of landslides and falling of trees in sensitive areas, waterlogging might occur in the fields of kharif crops in the lower districts of the state, an advisory issued by the MeT office said. — TNS

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### ारेनाकं . 28 /6/2018 को निजनमिरितत राजाचार पत्र में प्रकाशित माजसूज/ बाह राजवंधी समानः

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Central Chronical (Bhopal)

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## A COOL RESPITE







The national capital witnessed overcast skies almost throughout the day followed by strong winds in the evening, which kept the mercury in check even as overnight rains led to an increase in humidity levels. The maximum temperature settled at 37.5°Celsius, normal for this time of the year. The minimum temperature was recorded at 26.2°Celsius, two notches below the average. At least six flights entering Delhi's Indira Gandhi International Airport had to be diverted due to bad weather conditions.

#### ANN SERVICE

JORABAT, June 25: A brief heavy shower caused a flash flood on NH-37 at Jorabat this afternoon giving a hellish experience to pedestrians and drivers.

The post-shower scenario at Jorabat today was one of stranded vehicles of all forms including twowheelers. Even as the national highway remained under water, the mud and loose soil brought down by the rushing water from the nearby hills, added to the woes of the road-users with no respite in sight.

Motorists had a harrowing time negotiating the inundated and mud-filled highway. A biker who tried to cross the inundated part of the highway at Jorabat,

fell into the water along with his pillion-riding female companion.

9th Mile, 10th Mile, Jorabat tri-junction and the area in front of Northeast Cancer Hospital and Research Institute, Jorabat, become the worst hit areas whenever a heavy downpour causes a flash flood. One the other hand, the busy NH-37 in the area turns into a river, leading to heavy traffic snarls. The business establishments too are badly affected every time the area is hit by a flash flood.

Thaneshwar Rajbongshi, a local businessman said that flash floods bring a neverending misery to the Jorabat residents and passersby.

"Visits to our area by authorities concerned



The flooded Jorabat area on Monday. - Photo: Jorabat ANN Service

different points of time have not resulted in a positive end to the menace of flash floods. Now, the people have started taking their visits for

granted," a local resident said.

Interactions with the residents of Jorabat and its surrounding revealed that

the people are now losing faith in the local authorities and are seeking direct involvement of people from the ministries.