## Central Water Commission Technical Documentation Directorate Bhagirath(English)& Publicity Section

West Block II, Wing No-5 R K Puram, New Delhi – 66.

Dated 26.6.18.

Subject: Submission of News Clippings.

The News Clippings on Water Resources Development and allied subjects are enclosed for perusal of the Chairman, CWC, and Member (WP&P/D&R/RM), Central Water Commission. The soft copies of clippings have also been uploaded on the CWC website.

Encl: As stated above.

Deputy Director TD Dte, & Publication Division

Vn 26/6/18

For information of Chairman &Member (WP&P/D&R/R.M.), CWC and all concerned, uploaded at www.cwc.nic.in

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News item/letter/article/editorial published on 26.06.20/8 in the

**Hindustan Times** Statesman The Times of India (N.D.) Indian Express Tribune Hindustan (Hindi)

Nav Bharat Times (Hindi) Punjab Keshari (Hindi) The Hindu Rajasthan Patrika (Hindi) Deccan Chronicle Deccan Herald

M.P.Chronicle Aaj (Hindi) Indian Nation Nai Duniya (Hindi) The Times of India (A)

and documented at Bhagirath(English) & Publicity Section, CWC.

## Five dead, scores homeless as heavy rains lash Mumbai

SHIV KUMAR TRIBUNE NEWS SERVICE

MUMBAI, JUNE 25

At least five people were killed and several rendered homeless as heavy rains lashed Mumbai and surrounding areas, police and fire officials said.

A 15-year-old boy died after drowning in an open pit filled with rainwater in suburban Malad on Monday, while another boy was killed after a wall collapsed in adjoining Thane city. On Sunday evening, two people died after a tree fell on them at Azad Maidan in South Mumbai and a woman was reported dead after she touched a live wire at Ghatkopar in the Eastern suburbs.

The incessant rainfall since Sunday afternoon has led to disruption of air, train and road services. Officials from the disaster management cell of the Brihanmumbai Municipal Corporation said lowlying areas of Mumbai were flooded with water up to 3 ft. Later, rainwater was diverted into the sea and the road was partially opened to the public.

At several places, wall col-



Several cars struck in debris after a wall collapsed at a construction site in Antop Hill in Mumbai on Monday. PTI

lapses crushed cars even as strong winds made it difficult for fire brigade personnel to carry out rescue operations.

The worst-hit was the Lloyd Estates at Antop Hill where a compound wall on a hillside slipped away, crushing 12 cars and leaving five others dangling precariously. The building was vacated as fire officials feared the structure could collapse. The Indian Meterological Department

said the Santa Cruz weather station had recorded 231.4 mm rainfall over the 24 hours ending on Monday afternoon.

The 'local train' services continued as usual, though some trains were delayed, officials from the Western and Central Railways said. "WR Suburban trains are running without any disruption. There is slight delay due to low visibility in some areas due to rains," a statement

from the railways said.

Heavy rains also led to flight disruptions. Jet Airways and Vistara warned passengers that flights leaving and arriving at Mumbai would be delayed. Till afternoon, 68 flights - 35 departures and 33 arrivals - had been reported delayed.

The IMD has predicted heavy-to-very heavy rain in and around Mumbai for the next 24-48 hours.

News item/letter/article/editorial published on 26.06.2017 in the

**Hindustan Times** Statesman The Times of India (N.D.) **Indian Express** Tribune Hindustan (Hindi)

Nav Bharat Times (Hindi) Punjab Keshari (Hindi) The Hindu \ Rajasthan Patrika (Hindi). Deccan Chronicle Deccan Herald

M.P.Chronicle Aaj (Hindi) **Indian Nation** Nai Duniya (Hindi) The Times of India (A)

and documented at Bhagirath(English) & Publicity Section, CWC.

## Karnataka to call all-party meeting on Cauvery

To explore all options in safeguarding State's interest

SPECIAL CORRESPONDENT BENGALURII

In the wake of the Centre's 'unilateral' decision to notify the constitution of the Cauvery Water Management Authority (CWMA) and the Cauvery Water Regulation Committee (CWRC), the Karnataka government has decided to call an all-party meeting in three or four days to explore all options, including legal avenues, for safeguarding the State's interest in the sharing of the Cauvery river waters.

'Enough damage'

"Already the Centre has done damage to the State by constituting two committees," Water Resources Minister D.K. Shivakumar told presspersons on Monday. Meanwhile, the govern-



Vexing issue: Chief Minister H.D. Kumaraswamy at a meeting on the Cauvery issue. His Deputy G. Parameshwara and Minister D.K. Shivakumar are also seen. \*SPECIAL ARRANGEMENT

ment has nominated Rakesh Singh, Principal Secretary, Water Resources, to the CWMA, which will have its office in New Delhi, and H.R. Prasanna Kumar, Managing Director of the Cauvery Neeravari Nigam Limted, to the CWRC, headquartered in Bengaluru.

At a meeting chaired by Chief Minister H.D. Kuma-

raswamy earlier in the day, the government consulted legal and water resources experts and decided to obtain the views of all MPs from Karnataka, floor leaders of both Houses, and various party leaders. Mr. Shivakumar said all details related to the gazette notification issued by the Centre would be provided to the MPs.

News item/letter/article/editorial published on 26.06.2013 in

Hindustan Times
Statesman
The Times of India (N.D.)
Indian Express
Tribune
Hindustan (Hindi)

Nav Bharat Times (Hindi) Punjab Keshari (Hindi) The Hindu Rajasthan Patrika (Hindi) Deccan Chronicle Deccan Herald M.P.Chronicle
A a j (Hindi)
Indian Nation
Nai Duniya (Hindi)
The Times of India (A)

and documented at Bhagirath(English) & Publicity Section, CWC.

# North may turn into a 'dust bowl'

VIBHA SHARMA

TRIBUNE NEWS SERVICE

#### NEW DELHI, JUNE 25

As North India awaits its share of Southwest monsoon, do weather occurrences in the pre-monsoon period this year (unprecedentedly violent dust storms and thunderstorms) a forewarning of an impending ecological disaster in the region — the making of a "dust bowl"?

Chandra Bhushan, Deputy Director General of the Centre for Science and Environment, says there are several similarities between prevailing weather conditions over North India and the ones that led to the creation of a "dust bowl" in America in the 1930s. Rising temperatures, change in wind and weather patterns are all adding to the manmade reasons — unsustainable water-guzzling agriculture, lowering of groundwater and deforestation - to the possibility of North India turning into a "dust bowl".

"It's time the government recognises it and builds a narrative around land management and soil conservation or else we may be headed for more intense dust storms in future." he warns.

He says the ecological situation is quite similar to the "dust bowl" situation of 1930s in America. "Dust Bowl was a period of severe dust storms lasting nearly a decade, damaging ecology and agriculture and leading to mass scale migration. North India has

#### **SEVEN SIGNS**



- Like "Great Plains (prairies)", most parts of Punjab, Haryana, Western UP and Rajasthan are also arid and semi-arid, prone to extended periods of drought
- Large tracts in these parts were converted into irrigated farmlands with deep mechanised ploughing of top soil since 1970s
- Deep-rooted plants original to the area and trapping soil and moisture even during dry periods and high winds were replaced with water-intensive crops like paddy, wheat
- Chemical and water-intensive methods further exploited soil and groundwater
- While forests and natural vegetation decreased, construction activities and concretisation increased
- Due to climate change, high temperatures and high wind speed, soil is turning loose and being blown to cover far-off parts
- Climate change is affecting the pattern of western disturbances, causing stronger winds and storms

not yet reached the level, but signs are forewarning to the unfolding of a similar disaster and it is time that the government steps in," he adds.

4 Covering L., YIS News item/letter/article/editorial published on 25.06-2018 in the

Hindustan Times Statesman

The Times of India (N.D.)

Indian Express

Tribune Hindustan (Hindi) Punjab Keshari (Hindi) The Hindu

Nav Bharat Times (Hindi)

Rajasthan Patrika (Hindi)

Deccan Chronicle Deccan Herald 1

M.P.Chronicle Aaj (Hindi) Indian Nation Nai Duniya (Hindi) The Times of India (A)

Blitz

and documented at Bhagirath(English) & Publicity Section, CWC.

#### LETTERS TO THE EDITOR

### Cauvery water authority: an unfair deal to K'taka

Sir, Apropos "Cauvery body, K'taka to explore legal options" (DH, Jun 24), despite a clear diktat from the SC, the Centre had kept in abeyance the constitution of the Cauvery Water Management Authority (CWMA), fearing repercussions in the Assembly elections. Now that the elections are done, the Centre has notified the formation of the CWMA, catching the Karnataka government unawares. The authority is now a fait accompliand can exercise the sole right over the reservoirs in the state and the regulation CV ARAVIND, Bengaluru

of water supply in consonance with the court's verdict.

The state's only recourse is to approach the courts for an annulment of the CWMA. But while the Karnataka government feels that it has been given an unfair deal, the neighbouring state of Tamil Nadu has rejoiced. And after a bitterly fought electoral battle which ended with the BJP eating the humble pie, the ties between the new state government and the Centre can only be frosty.

News item/letter/article/editorial published on 26.6.2018

in the

**Hindustan Times** Statesman

The Times of India (N.D.)

Indian Express

Tribune Hindustan (Hindi) Nav Bharat Times (Hindi) Punjab Keshari (Hindi) The Hindu

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M.P.Chronicle Aaj (Hindi) Indian Nation Nai Duniya (Hindi) The Times of India (A) Blitz

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News item/letter/article/editorial published on 26.06 20/8. in the

Hindustan Times
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The Times of India (A)

and documented at Bhagirath(English) & Publicity Section, CWC.

### Heavy showers pound Thane; 3 killed in rain-related events

PRESS TRUST OF INDIA
MUMBAI, 25 JUNE

The Southwest Monsoon picked up momentum in Mumbai, bringing heavy showers that claimed three lives in the city and adjoining Thane, officials said today.

Heavy rains lashed the metropolis and Thane district

throughout the night and continued this morning, causing water-logging at several places and slowing the movement of suburban trains, thus causing inconvenience to office-goers.

Two persons were killed last evening when a tree fellon them near Metro Cinema in south Mumbai, said an official from the disaster management unit of the Brihanmumbai Municipal Corporation (BMC).

A13-year-old boywas killed and his parents were injured when an adjacent wall collapsed on their house at Wadol village in Ambernath taluka of Thane around 2.15 am today,



the district civic body's regional disaster management cell chief Santosh Kadam said.

In another incident, a 65-feet compound wall of a housing complex in Thane city collapsed this morning, crushing two cars and another vehicle, he said. The district received 229.81 mm rain in the last 24 hours, Kadam added.

In Mumbai, a huge part of a compound caved-in at Antop Hill area in Wadala. Around 15 cars were damaged with some vehicles getting buried under the debris, an official of the BMC's disaster management cell said.

No casualty was reported in the incident, he said. "The fire brigade and Mumbai police officials have reached the spot and are assessing the situation," he added.

Mumbai received 231.4 mm rain in the last 24 hours, an official of the India Meteorological Department (IMD) here said.

### Heavy rains lash south Gujarat

AHMEDABAD, 25 JUNE

Heavy rains lashed several parts of south Gujarat, particularly Valsad, Surat and Navsari districts, in the last two days, causing water-logging and throwing normal life out of gear in the region.

However, no loss of life or any major damage to property due to the downpour was reported, officials said. Umergam talukain Valsad district received around 550 mm of rainfall in the last 30 hours, Collector CR Kharsan said, that the local administration was put on alert to deal with the eventuality. According to the MET centre here, most places in Gujarat would receive "heavy-to-very heavy rain in next two days". PTI

News item/letter/article/editorial published on

26.6.2016

Hindustan Times
Statesman
The Times of India (N.D.)
Indian Express
Tribune
Hindustan (Hindi)

Nav Bharat Times (Hindi)
Punjab Keshari (Hindi)
The Hindu
Rajasthan Patrika (Hindi)
Deccan Chronicle
Deccan Herald

M.P.Chronicle A a j (Hindi) Indian Nation Nai Duniya (Hindi) The Times of India (A) Blitz

and documented at Bhagirath(English) & Publicity Section, CWC.

## बिहार और झारखंड में विलंब से पहुंचा मानसून

नई दिल्ली विशेष संवाददाता H - 2.6 झमाझम बारिश

करीब ड़ेढ़ सप्ताह के विलंब से मानसून ने झारखंड और बिहार में दस्तक दे दी है। मौसम विभाग ने सोमवार को कहा है कि 48 घंटे के भीतर मानसून पूर्वी उत्तर प्रदेश के कुछ हिस्सों में दस्तक दे देगा। विभाग ने महीने के आखिर तक मानसून के दिल्ली समेत समूचे उत्तर भारत में छा जाने की संभावना व्यक्त की है। पश्चिम बंगाल के ज्यादातर हिस्सों, बिहार और झारखंड के कुछ हिस्सों सुपौल और जमशेदपुर में बारिश दर्ज की गई है। अगले 48 घंटों के भीतर मानसून

- करीब ड़ेढ़ सप्ताह के विलंब से मानसून 48 घंटे के भीतर पूर्वी उत्तर प्रदेश के कुछ हिस्सों में दस्तक दे दी है।
  - महीने के आखिर तक मानसून के दिल्ली में छा जाने की संभावना

झारखंड औरबिहार के कुछ औरहिस्सों में छा जाएगा। साथ ही पूर्वी उत्तर प्रदेश में भी प्रवेश कर जाएगा। दिल्ली समेत समूचे उत्तर भारत में मंगलवार से मानसून पूर्व बारिश का दौर शुरू हो सकता है। 29 जून से एक जुलाई के बीच उत्तर भारत के ज्यादातर हिस्सों में छा जाएगा। News item/letter/article/editorial published on <u>26.06.2018</u> in

Hindustan Times Statesman The Times of India (N.D.) Indian Express Tribune Hindustan (Hindi)

Nav Bharat Times (Hindi)
Punjab Keshari (Hindi)
The Hindu
Rajasthan Patrika (Hindi)
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## Heavy rain pounds Mumbai, brings city to standstil

Waterlogging in many areas; traffic diverted

STAFF REPORTER MUMBAI

Heavy rain lashed Mumbai and adjoining Thane district on Monday morning, inconveniencing office-goers. Waterlogging was reported in the usual spots and traffic had to be diverted at many places. Suburban trains ran behind schedule.

The rainfall abated by evening but the India Meteorological Department has predicted similar weather conditions for Tuesday.

Mumbai has been experiencing heavy rainfall since Saturday. From 8.30 a.m. on Sunday to 8.30 a.m. on Monday, the IMD's Santacruz observatory recorded 231 mm rainfall, while Colaba recorded 99 mm rainfall. Rainfall was concentrated in the western suburbs, with Malad west alone recording around 300 mm rainfall on BMC's automatic weather stations.

#### Three killed

Two people were killed on Sunday evening when a tree fell on them near the Metro Cinema in south Mumbai, an official from the disaster management unit of the Brihanmumbai Municipal Cor-





A waterloaged Pune-Mumbai Expressway near Kalamboli and, right, a woman and her child crossing the Hindmata Junction at Dadar. \*Yogesh MHATRE, ARUNANGSU ROY CHOWDHURY

poration (BMC) said.

A 13-year-old boy was killed and his parents injured when a wall collapsed on their house at Wadol village in Thane on Monday, the district civic body's regional Disaster Management Cell chief Santosh Kadam said.

The BMC pressed into service 22 pumps from its seven pumping stations across the city apart from 183 local pumps. It claimed that 120 flooding spots did not see flooding this time due to various measures it took.

The city saw seven different incidents of slabs collapsing. One person was injured when the slab of a balcony fell on her.

(With PTI inputs)

RHEA MISTRY TANVI DESHPANDE

A portion of a building's compound wall and an internal road caved-in in Wadala on Monday, allegedly due to ongoing construction work in a neighbouring plot, and damaged 11 cars. Antop Hill Police has registered an FIR against the builder.

Lloyd's Estate is a prominent housing society consisting of nine buildings. Around 4 a.m. Monday, a section of the internal road

and a portion of the compound wall in the parking area near Wadala Heights (one of the buildings) cavedin, leaving a large crater in the ground. The Fire Brigade was called. No casualty was reported.

Ajay Singh Rathod, a resident, said, "I heard a loud noise and I looked outside. To my horror, I saw the parking floor slowly slipping down with parked cars. I immediately warned all my neighbours and we evacuated the building."

## Mini landslip buries, Five killed in lightning strikes in West Bengal

STAFF REPORTER KOLKATA

Large parts of Kolkata and adjoining areas received heavy rainfall on Monday that threw normal life out gear.

Five persons were killed in lighting strikes in three districts of south Bengal, while a seven-year old boy drowned in Cooch Behar district.

The services of suburban railway network at Howrah and Sealdah were affected due to the torrential rain.

Waterlogging in several parts of the city, like Ultadanga, Tollygunge, Patipukur Central Avenue and Dankuni, added to the ordeal of commuters.

The Kolkata Municipal Corporation opened some of the lock gates to drain out excess water from certain areas of the city.

Weathermen have predicted heavy to very heavy rainfall in the five districts of north Bengal-Darieeling. Jalgaiguri, Cooch Behar and Malda and Uttar Diniapur.

### Youth drown in drain

STAFF REPORTER MUMBAI

The body of an 18-year-old youth, who went missing on Sunday, was found in a drain in Malad on Monday

Nagendra Raja, had gone out with friends, but did not return home. "Some say he slipped and fell into the drain, but others are saying he went in to retrieve a cricket ball When he did not return home, we began looking for him. Then we heard the news," said Unnamalai, Nagendra's aunt.

### Heavy rain in Odisha

PRESS TRUST OF INDIA BHUBANESWAR

After a brief lull, the monsoon regained steam in Odisha on Monday. triggering heavy showers, accompanied by thunderstorms, in several parts of the State. The monsoon is likely to cover the entire State over the next two days, the IMD said.

भारत सरकार

Government of India केन्द्रीय जल आयोश

Central Water Commission बाढ़ पूर्वानुमान प्रबोधन निदेशालय

Flood Forecast Monitoring Directorate e-mail: resident . . ,

Tele/ Fax:

011-26106523, 26105274

Room No. 5th Floor(S), Sewa Bhawan, R.K. Puram, New Delhi-110066.

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मानसून/ बाढ़ सम्बन्धी सनाचारों की कतरन ( News Clippings ) अवलोकन हेतु प्रस्तुत हैं :

सबंबन : उपरोक्तानुसार

<u>उपनिद्य</u>क स्वीकित स्

कृत्या केन्द्रीय जल आयोश की वेव शाईट पर अपलोड करने की व्यवस्था करें।

# Mumbai rain fury kills 5 in 24 hrs

MONSOON WOES Wall collapse crushes six vehicles, several areas see traffic snarls due to water-logging as IMD warns of similar conditions over coming days

HT Correspondents

letters@hindustantimes.com

MUMBAI: Two teenagers and a 10-year-old were killed and a woman was seriously injured in Mumbai and neighbouring areas in rain-related incidents, after a downpour between Sunday night and Monday afternoon brought along with it the usual woes.

Water-logging at several locations across the city slowed down traffic, while the downpour delayed trains and flights. At Wadala, a wall collapsed into an adjoining under-construction site, crushing six cars and forcing residents of 240 apartments to vacate their flats as a precautionary measure.

Mumbai received its third highest one-day rain in June in 44 years, making it the wettest day and surpassing the average rainfall for the month.

According to the India Meteorological Department (IMD), between 8.30am on Sunday and 8.30am on Monday, 231.4mm rain was recorded at the Santacruz weather station (representative of Mumbai) and 99mm at Colaba. The highest one-day rainfall is 399mm on June 10, 1991, followed by 283.4mm on June 19, 2015. Between 8.30am and 8.30pm on Monday, the weather stations at Santacruz and Colaba recorded a further 48.3mm and 43mm rain, respectively.

Since June 1, the Santacruz weather station has received



A car wades through a water-logged street in Mumbai on Monday.

686.9mm rain, crossing June's average rainfall of 523mm.

The weather bureau has predicted intermittent showers on Tuesday.

Meanwhile, 15-year-old Kiran Ghaywat died on Monday after a portion of the boundary wall of a sewage treatment plant (STP) in Ulhasnagar fell on his house at 1.30am. There were two cases of drowning in nullahs reported. While 10-year-old Vijay Pawar drowned in an overflowing nullah at Samrat Ashok Nagar in Kalwa, 18-year-old Nagendra Nagarjun fell into a nullah at Evershine Nagar in Malad. In Andheri, a part of a balcony of Jadhav Chawl collapsed on Rajkumari Gaud, 37, who was seriously injured.

#### **COMMUTING TROUBLE**

Commuters faced inconveniences as the lifeline of the city, the suburban local train, slowed down due to waterlogging in different areas. Private cab aggregators along with autorickshaws

and black and yellow taxis charged exorbitant fares from commuters.

SATYABRATA TRIPATHY/HT

A total of 100 local train services were delayed and 30 services were cancelled on Monday on the Western Railway (WR). WR services were also affected during the morning peak hours on Monday due to a technical snag at Bandra railway station. Trains were operating with a delay of 20 minutes. Waterlogging near Virar railway station also delayed the operations of local trains.

### 5 die in lightning, one drowns as rain lashes Bengal

KOLKATA: Five persons were killed in lightning strikes and one drowned after heavy monsoon rains and thunderstorms lashed West Bengal Monday, a state disaster management official said.

A seven-year-old boy was killed in Purulia district's Bhomragora village and two others were killed in Rajendrapur of Basirhat II block and Keutepara in North 24 Parganas district due to lightning strikes, he said.

A woman from Basanti block of Charpara village, and a man from Namkhana block of Uttar Chandanpiri village in South 24 Parganas were also killed in lightning strikes, the official said.

An 18-year-old person drowned in Sutunga river in Mekhliganj in Cooch Behar district during the rains, he added.

Kolkata and its neighbouring districts of Howrah, Nadia, North and South 24 Parganas were lashed by torrential rains that affected life on Monday. The weatherman has predicted more rains in the next 48 hours.

Heavy rains affected train services in the state. "Drivers had to slow down trains at some places. Since the rains were scattered and not uniform everywhere, the trains slowed down to different degrees in different areas," the spokesperson of South Eastern Railway said on Monday.

HTC AND AGENCIES

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

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

## Monsoon may hit **Delhi later** this week

### Thunderstorm activities are likely from June 26

**NEW DELHI. DHNS: The India Meteorological Department** on Sunday announced that Delhi might have its date with the monsoon by this week-end.

The announcement comes at a time when the national capital is reeling under scorch-

On Sunday, the mercury touched the maximum mark of 42.2 degrees Celsius, five notches above normal, in Delhi. With 31.6 degrees Celsius, the minimum too was three chamber.

thunderstorm activities are likely to commence from June 26 onwards and the southwest conditions are likely to abate monsoon was likely to arrive in Delhi anytime between June Monday. Fairly widespread 29 and July 1, without any delay rainfall with isolated heavy in the monsoon calender.

monsoon is likely over parts northwest India," IMD said.

of northwest India including Delhi during June 29 to July 1," MeT officers said.

While heatwave conditions were observed in parts of Uttar Pradesh, Haryana, Chandigarh and Delhi, maximum temperature of 50 degrees were recorded in popular tourist spots, Agra and Banda-both in west UP.

After its timely arrival on the Malabar coast on May 29 and continuous march for the next two weeks, the monsoon went into a break period for nearly two weeks. A revival in degrees above normal, turn- the monsoon flow is expected ing the metropolis into a heat from June 25 onwards with an ocean weather phenomenon The IMD said pre-monsoon known as Madden-Julian Oscillation turning favourable.

"The prevailing heatwave from northwest India from falls likely over south India, "Advance of southwest central and adjoining parts of



### Six more killed in Maharashtra rains

MUMBAI: Heavy rains continued in Maharashtra for the third continuous day on Sunday resulting in six more deaths because of lightning strikes, drowning and uprooting of trees.

Since Friday, at least 18 people lost their lives in the state.

On Sunday evening, a tree was uprooted killing one person and four others near the Metro cinema hall in south

critical and is admitted in ICU of GT Hospital.

Two youths, who has gone for fishing, died in Akola district of Vidarbha region.

Reports reaching from Jal- the sea. gaon in North Maharashtra said that a 16-year-old girl was swept away while crossing a stream while two persons died after being struck by lightning.

The IMD offices in Pune and Mumbai and Skymet Weather, intervals in the Mumbai Met- DH News Service

predicted rain for Monday and Tuesday.

The Arabian Sea was choppy and fishermen were asked to refrain from venturing into

Meanwhile, reports from Palghar, Thane and Raigad said that ploughing of fields and sowing operations have started pace.

Rains also continued in brief

Of the four injured, one is a private forecast agency, has ropolitan Region, however, there was no major impact on normal life on Sunday.

In the last 24 hours, the Mumbai city recorded 150 mm plus rainfall.

There were several reports of trees being uprooted, however, there were no reports of anyone being injured.

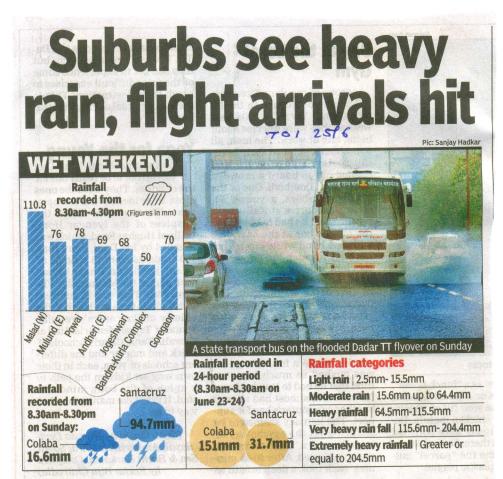
In one incident, a tree fell on a couple of empty autorickshaws.

हरें बाक **2576 [18** को छो। बोबेरितन समाचार पत्र में प्रकाशित मावस्वा/ बाब्ह सम्बन्धा समान

Hindustan Times (Delhi) अवभारत टाईम्स ( दिली) The Tribune (Chandigarh) The Hindu (Chennai)

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

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



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Mumbai: Several parts of the suburbs witnessed heavy rain on Sunday, with Malad receiving maximum rainfall (110.8mm), followed by Powai (78mm). The heavy showers affected flight operations and suburban train services in the afternoon.

While the IMD Santacruz obeservatory recorded 94.7mm rainfall between 8.30am and 8.30pm, the Colaba observatory recorded 16.6mm. In contrast, the Santacruz observatory had recorded just 31.7mm rainfall and the Colaba observatory 151mm from 8.30am-8.30am between June 23-24. IMD's forecast for Monday is intermittent rains in the city and suburbs with heavy to very heavy rainfall at one or two places.

The heavy rain affected arrival of flights at Mumbai airport on Sunday afternoon. The main runway was closed for flight operations for about 30 minutes, during which four go-arounds were carried out. "The main runway was non-operational from 3.43pm to 4.17pm for maintenance," said an MIAL spokesperson. Flight operations were moved to secondary runway du-

ring this period. Railway commuters were inconvenienced due to the rain and megablocks on both Central Railway and Western Railway as services were delayed by 15-20 minutes.

Ajay Kumar, scientist from IMD Mumbai, said the weekend's heavy showers were due to a cyclonic circulation over the north Konkan and adjoining south Gujarat and another circulation in the Bay of Bengal. "Weexpect rain activity to increase in the coming week, with scattered heavy to very heavy rain on June 27-28 in parts of north Konkan, including Mumbai," he said.

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# Monsoon stronger, more rain on radar

**OUR SPECIAL** CORRESPONDENT

Alipore: It was a rainy Sunday and Monday promises to be rainier.

Strong south-westerly monsoon winds brought widespread rainfall to the city on Sunday. Heavier showers are expected over the next few days, weather officials said.

Clouds and intermittent drizzle kept the maximum temperature at 30.2 degrees Celsius, three notches less than the normal for this time of the year, on Sunday. It was in sharp contrast to the 39.6 degrees Celsius recorded six days ago when the city had been reeling under heatwavelike conditions

Three cyclonic circula-



A man rests under a giant umbrella on the Maidan on Sunday afternoon. Picture by Sanat Kumar Sinha

tions spread over west Uttar winds which have gained Pradesh, Assam and the north strength, has led to regular west Bay have been drawing moisture from the sea. That, in and around Calcutta. along with that the flow of the south-westerly

cloud formation and rainfall

"The monsoon flow has fimonsoon nally become strong and we expect the northern limit of logical Department, Calcutta. the south-westerly winds to cover the whole of Bengal in the next 48 hours," said Sanjib Bandyopadhyay, deputy director general, India Meteoro-

Heavy rainfall is expected in coastal Bengal and even heavier rainfall in north Bengal, Bandyopadhyay said. Calcutta could receive moderate

showers, 20mm-60mm, but the distribution of showers could be skewed as conditions were still not favourable for uniform, widespread distribution of rain, associated with the height of the monsoon.

Sunday's rainfall in Calcutta, too, was unevenly distributed, most if it falling on the southern fringe of the city. The highest rainfall was recorded in Joka (25mm), followed by Patuli (19mm) and Jora Bridge in Santoshpur (8.64mm). Most other parts of the city received between 2mm and 5mm of rainfall. Alipore got just 2mm of rain.

Bandyopadhyay said the rainfall in Calcutta was likely to get heavier but the maximum temperature would rise a little as well.

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## After a lull, monsoon revives over Gujarat

Poised to enter north India in the coming week

SPECIAL CORRESPONDENT NEW DELHI

After a long lull, the monsoon has resumed its progress and advanced into Gujarat. It is poised to enter north India this week.

"The southwest monsoon has advanced into parts of the northern Arabian Sea, Saurashtra, and other parts of Gujarat and Maharashtra," the Indian Meteorological Department said in a statement on Sunday.

Parts of Madhya Pradesh, Odisha, Chattisgarh and West Bengal were also likely to get monsoon rains over the week and "... the advance of southwest monsoon was likely over parts of northwest India, including Delhi, during 29th June to 1st July," the statement said.

"South Gujarat districts like Valsad, Navasari, Surat and other parts received good rainfall. In central Gujarat, places like Dahod and Godhara also witnessed heavy showers," a Gujarat government release stated.



Water hurdle: Fruit vendors pass through a flooded street in Ahmedabad, Gujarat, after heavy rain on Sunday. • PTI

Ahmedabad also witnessed thunderstorm and heavy showers on Sunday. So far, three persons have died due to lightning and rain-related incidents in the

With the monsoon stalled over the Konkan coast since June 12, kharif crop sowing had also slowed. About 12 lakh fewer hectares have been planted than at the same time last year, according to the Ministry of Agriculture and Farmers' Welfare. The biggest lags were seen in rain-fed crops such as pulses and oilseeds.

Ideally, the branch of the monsoon system that entered from Kerala and moved northwards should have reached Gujarat and Madhya Pradesh by June 15, but this was stalled due to what meteorologists called, the lack of favourable low pressure regions in the Arabian sea.

#### 10% deficit

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Because of the monsoon's hiatus, India has received 10% less monsoon rain than what it should have in the first 24 days of June.

Of the four meteorological divisions of the country, only the southern peninsula has recorded 29% more rains. The rainfall deficit was 29% and 24% in east-northeast and northwest India respectively.

(With inputs from PTI)