6/4/2016 ,:DigitalEdition





GERMANY: An aerial view offlood-hit Bavarian village of Simbach am Inn, east of Munich. REUTERS

FRANCE: Residents use a canoe to evacuate in downtown Nemours, 50 miles south of Paris. AP/PTI

Germany, France battle deadly floods

NEMOURS, JUNE 2

France faced more torrential rain today after a week of storms that have killed nine people across northern Europe, submerging streets, closing schools and leaving people stranded on rooftops.

Eight people have perished in Germany and six days of torrential rain in France have caused the Seine and other rivers to burst their banks, forcing the evacuation of thousands of people in riverside towns south of Paris and in the Loire Valley.

The body of an 86-year-old woman was found in her flooded house in Souppessur-Loing in central France, where some towns have been hit by the worst flooding in more than 100 years.

In the small town of Montargis, the water had risen so high that only the tops of cars could still be seen peeking above the surface along the high street.

Rescue workers have

36 killed as windstorm, rain wreak havoc in Pak

ISLAMABAD, JUNE 2

At least 36 persons were killed and over 100 others injured as severe windstorm coupled with heavy rain wreaked havoc in parts of Pakistan overnight.

The gusty wind of more than 150 km perhour accompanied by rain swept through the twin cities of Rawalpindi and Islamabad and parts of Khyber-Pakhtunkhwa, uprooting trees, electricity poles, damaging houses and suspending power supply in several areas.

responded to around 10,000

calls and evacuated more

than 5,000 people since the

deluge began at the weekend.

"The situation remains tense

The storm lasted for half an hour last night, leaving

Technicians fix a high-voltage transmission line damaged during a powerful storm at Benazir International Airport in Islamabad. AFP

a trail of devastation. In the torrential rains, at

and difficult in several areas.

We still have many concerns,"

Prime Minister Manuel Valls

said as he visited a crisis con-

trol centre in the flooded town

least 12 people were killed in Islamabad, 16 in Rawalpindi

of Nemours, south of Paris.

In southern Germany,

dangerously swollen rivers

have caused loss of life and

severely damaged towns in

areas of Pakistan hit by the powerful storm, police said, adding over 100 others were also injured.

and eight others in different

The casualties were mainly caused by falling trees, signboards and electricity poles and roof-collapse incidents.

Several domestic flights at the Benazir Bhutto International Airport in Islamabad were delayed or suspended.

Last year, windstorm and heavy rain had killed more than 40 people in Pakistan. — PTI

Bavaria. Rescue workers found the bodies of three people in a house in Simbach am Inn yesterday and police warned that several The force of the water

other people were missing.

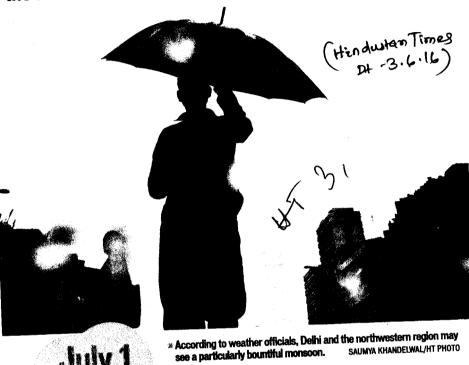
upended cars and washed away parts of the streets, with a thick layer of mud left throughout the town by the subsiding water. Huge piles of wood and rubbish deposited by the torrent were visible next to badly damaged homes and offices.

A woman's body was also discovered caught on a tree trunk in the neighbouring town of Julbach, police said.

On Bavaria's southeastern border with Austria. some residents scrambled on to rooftops to escape the waters on Tuesday.

"The floods came so quickly that people had to escape to the roofs of their houses," a spokesman for the Lower Bavaria police said. The deaths raised the toll in Germany to eight after four people were killed earlier this week in the southern Baden-Wuerttemberg region. —AFP

India will get more-than-average rainfall this season, the revised monsoon forecast said on Thursday



The regular onset date for monsoon in Delhi. According to predictions, the rains are likely to arrive on or before that date

COMING SOON

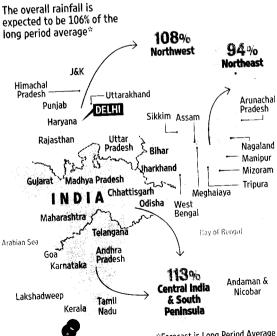
The monsoon will arrive in Kerala in the next 3-4 days. Once it enters the peninsula, its progress is expected to be quick, especially in eastern and central India

FARM CHEER

- Northwestern states of Punjab and Haryana known as the food bowl of India — will get 108% rainfall compared to the 50-year average
- In central and peninsular India, a region that grows crops such as paddy, pulses and grams, the rains will be even more bountiful at 113%

For now, however, Delhi is back to reeling under a heat wave. Thursday saw a maximum of 42°C and officials predict it will stay at similar levels for a couple of days

REGION-WISE PREDICTION



EL NINO NO MORE?

The El Nino effect had hit the last two monsoons **■** Deficit **■** Excess

-12% 2014 -14% 2015 2016 (Predicted)

*Forecast is Long Period Average with model error of ± 8 % SOURCE: IMD GOVT OF INDIA

Rains towards the end of the monsoon season in September could be strong enough to cause floods or damage farms

News item/letter/article/editorial published on Jene - 03.06.201 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
A a j (Hindi)
Indian Nation
Nai Duniya (Hindi)
The Times of India (A)
Blitz

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

No deficient rains, N-E sole exception: IMD

NEW DELHI, JUNE 2

There is no possibility of a "deficient" monsoon this year and 96 per cent chances are that the rainfall would be "normal to excess", India Meteorological Department (IMD) said today, news that would bring some cheer to the farmers. The country as a whole is expected to receive good rainfall this year, barring northeastern India, which is likely to witness "below normal" rainfall.

July and August are expected to receive 107 per cent and 104 per cent of rainfall of the Long Period Average (LPA).

Releasing the second Long Range Forecast, IMD Director General Laxman Singh Rathore said there is not much difference between the initial forecast by the agency and the monsoon season (from June to September) will receive 106 per cent of rainfall of the Long Period Average, which is "above normal".



108 pc rain likely in Punjab, Haryana

North-West India, comprising major food-producing states such as Haryana and Punjab will receive 108 pc rainfall

Central India and southern peninsula will receive 113 pc, while the northeastern region is expected to get 94 pc of rainfall

"There are zero per cent chances of the country receiving deficient rainfall while the possibility of normal to excess rainfall is 96 per cent," Rathore said.

Terming the rainfall in Kerala as "pre-monsoon showers", Rathore said southwest monsoon is expected to hit the state in the next 4-5 days.

Rathore said once the monsoon hits Kerala, its progress will be quick, especially in eastern and central India.

Several parts of the country

are facing intense heat. This monsoon season, North-West India, comprising major food-producing states such as Haryana and Punjab which have witnessed deficient precipitation in the last two years, will receive 108 per cent rainfall of the LPA.

Central India and southern peninsula will receive 113 per cent of LPA, while the northeastern region is expected to get 94 per cent of rainfall which is "below normal". — PTI

News item/letter/article/editorial published on $\sqrt{\epsilon n \epsilon}$. 3.06.20% in the

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.

Paris afloat

Hindustan Times

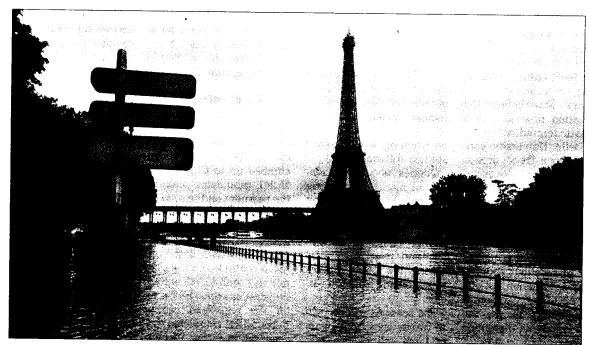
Indian Express

Hindustan (Hindi)

The Times of India (N.D.)

Statesman

Tribune \



- A flooded Seine flows next to the Eiffel Tower in Paris on Thursday amid a complete shutdown of facilities, including from subway lines to castles, as France declared an emergency
- Rivers in Europe have burst their banks from Paris to the southern German state of Bavaria, killing nine persons and trapping thousands in their homes or cars. AFP P15

News item/letter/article/editorial published on <u>しんのひ- とち のら つりに</u> 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
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Paris puts Louvre on flood alert, treasures to be moved out



A man uses a dinghy as he leaves his houseboat moored near the Eiffel Tower after the Seine burst its banks following days of torrential rain

Paris: Floods in Germany and France have killed nine people and forced thousands from their homes, officials said on Thursday as Paris's Louvre museum announced it would move treasures out of reach of the swollen Seine.

The world's most visited museum said it would shut its doors on Friday to evacuate artworks from its basement storage, as the nearby river began to burst its banks following days of torrential rain.

Several towns in southern Germany have been devastated by flooding that has also seen rescuers in central France rowing lifeboats down streets turned into muddy rivers.

Forecasters in both countries warned of more downpour over the next 24 hours.

There were chaotic scenes

in the German town of Simbach am Inn, where the force of the water swept away the entire stock of a sawmill, leaving huge stacks of splintered wood blocking roads.

In Paris, officials were erecting emergency flood barriers along the Seine. The riverbanks are home to both the Louvre and the Museed'Orsay, which was also preparing for the worst. Rescuers in the Parisian suburb of Longiumeau were paddling up streets in lifeboats, while in the town of Montargis, only the tops of cars could be seen. French President François Hollande said a state of "natural catastrophe" would be declared when the cabinet meets next Wednesday. The rains have also washed out play at the French Open tennis tournament. AFP

News item/letter/article/editorial published on Kille. C.B.C.E. 2016 in the

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

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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.

Zero chance of drought vr: IMD

The IMD in its updated forecast on Thursday stuck to its earlier prediction of 106% rainfall for the country and said the chances of 2016 becoming another drought year were now zero. P18

TIMES NATION

THE TIMES OF INDIA, NEW DELHI FRIDAY, JUNE 3, 2016

Zero chance of deficient rains: IMD

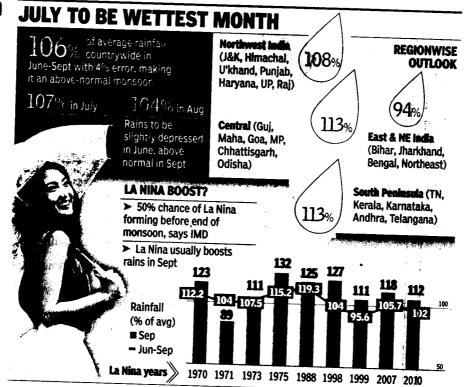
Bounty Likely In Central, North & South India

Amit.Bhattacharva @timesgroup.com

New Delhi: Reinforcing expectations of an above-normal monsoon this year, the India Meteorological Department in its updated forecast on Thursday stuck to its earlier prediction of 106% rainfall for the country and added that the chances of 2016 becoming another drought year were now zero.

In what should bring cheer to regions reeling under drought, IMD predicted vigorous rains in central India at 113% of the long term average and a healthy 108% in the agriculturally important north. South India too is expected to get a bountiful monsoon with rains pegged at 113% of average.

The only region where rains are likely to be slightly subdued is east and northe-



ast India, slated to get 94% rainfall during the season. The regional forecasts come

with an 8% error margin while the nationwide outlook has a 4% error range.

"There's a 96% chance of the monsoon being normal to excess while the probabili-

Monsoon landfall in Kerala in 5 days

onsoon is likely to arrive in the Indian mainland when it hits Kerala coast in the next four-five days, IMD said on Thursday, reiterating that the current spells of heavy rains in the state were pre-monsoon showers. "Monsoon is likely to arrive in Kerala in four to five days as conditions are becoming favourable for its advance into more areasof south and east-central bay of Bengal," IMD director-general LS Rathore said. TNN

ty of deficient rainfall (below 90% of average) is zero," said IMD cirector-general L S Rathore.

IMD's June update is generally more accurate than its first long range forecast of the monsion released in April. It's aso more detailed, with region and month-wise predictions. A good monsoon, followng two years of drought, is expected to boost agricultur growth

News item/letter/article/editorial published on 1006-0366 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
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and documented at Bhagirath(English) & Publicity Section, CWC.

Normal to excess rainfall this es monsoon: IMD

PRESS TRUST OF INDIA

New Delhi, 2 June

There is no possibility of a "deficient" monsoon this year and 96 per cent chances are that the rainfall would be "normal to excess", India Meteorological Department (IMD) said today, news that would bring some cheer to the farmers. The country as a whole is expected to receive good rainfall this year, barring northeastern India, which is likely to witness "below normal" rainfall.

July and August are expected to receive 107 per cent and 104 per cent of rainfall of the Long Period Average (LPA).

Releasing the second Long Range Forecast, IMD Director General Laxman Singh Rathore said there is not much difference between the initial forecast by the agency and the monsoon season (from June to September) will receive 106 per cent of rainfall of the Long Period Average, which is "above normal".

"There are zero per cent



chances of the country receiving deficient rainfall while the possibility of normal to excess rainfall is 96 per cent," Rathore said. Terming the rainfall in

Terming the railian in Kerala as "pre-monsoon showers", Rathore said southwest monsoon is expected to hit the state in the next 4-5 days. Rathore said once the monsoon hits Kerala, its progress will be quick, especially in eastern and central India. Several parts of the country are facing intense heat.

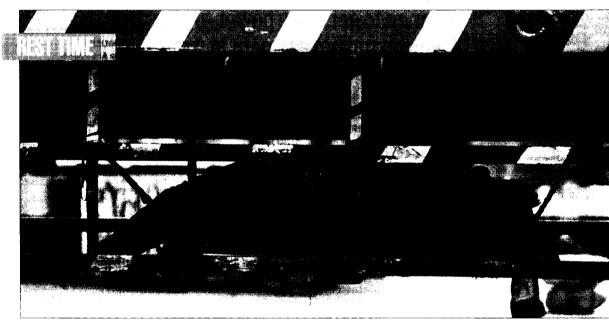
Hindustan Times Statesman \ The Times of India (N.D.) Indian Express Tribune Hindustan (Hindi)

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

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

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



A labourer takes a rest under a truck on a hot afternoon in the Capital on Thursday. A SNS

Hot Thursday, mercury to rise today &

INDO-ASIAN NEWS SERVICE

New Delhi, 2 June

Delhi witnessed a warm sunny day on Thursday with the day's maximum temperature settling at 42.3 degrees Celsius, two notches above the season's average. The Met office predicted a warmer day on Friday.

"The sky will remain mainly clear throughout the day on Friday.

Dust/haze is likely to occur in towards ning. Thursday's minimum tempe morning/evening," an official of the India Meteorological Department (IMD) said.

The maximum and minimum temperatures on Friday will hover around 43 and 30 degrees Celsius respectively, the official added.

According to weather office humidity at 8.30 a.m. was recorded at 56 per cent while it was 23 per cent in the eveature was recorded at 30.7 degrees Ce sius, three notches above the se son's average, the Met Office said.

Wednesday's maximum temper ture was recorded at 39.8 degrees Ce sius, one notch below the season's ave age, while the minimum temper ture was recorded at 26.6 degrees Ce sius, one notch below the season's ave age.

News item/letter/article/editorial published on <u>(アャルモーク・CG の代</u> 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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Indian Nation
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The Times of India (ABlitz

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

सूखे से निपटने के लिए किया अनूठा प्रयास



बीदर, (भाषा): बदतरीन सुखे का सामना कर रहे कर्नाटक के जिले में कम खर्च में ऐतिहासिक कुएं और जलाशयों को पांच दशकों में पहली बार साफ कर और उनमें से गाद निकाल कर 10 टीएमसी से अधिक अतिरिक्त पानी एकत्र कर रखने का प्रबंध किया गया जो सुखे से जुझ रहे देश के तकरीबन 250 अन्य जिलों के लिए एक मिसाल है। मानसून के अगले सप्ताह पहुंचने तक गाद निकालने का काम लगातार जारी रहेगा। जिला प्रशासन की योजना जलाशयों और कुओं में 10 टीएमसी (अरब घन फुट) अतिरिक्त पानी रखने की है जिससे कुल भंडारण क्षमता

बढ़कर 20 टीएमसी हो जाएगी। एज्य सरकार की पिछले महीने घोषित की गई 'केरे संजीवनी' योजना के तहत यह काम किया जा रहा है। इस योजना के तहत राज्य के सभी सूखा प्रभावित जिलों में जलाशयों और कुओं को साफ किया और उनसे गाद निकाला जाएगा। अभी तक जिलों में इसके लिए धनराश नहीं यहुंची है। 'बीदर मॉडल' इस मायने से अने ख़ा है क्योंकि जिला प्रशासन ने मार्च में खुद से ही काम शुरू कर दिया था और करीब 2.5 करोड़ खर्च कुर 26 लाख घन मीटर गाद हटाया। इतना काम पूरा करने में 100 करोड़ रुपया से कम का खर्च नहीं आता।

बीदर के उपायुक्त अनुराग तिवारी ने बताया, ''मैं यहां बदतरीन सूखों में से एक से रूबरू हूं। हमने जल संकट से निपटने के लिए कई कदम उठाए हैं। हमने समय पर कई जलाशयों में गाद निकालने का काम शुरू किया। ये कदम जिले को सूखा से मुक्त रखने की दिशा में अहम होंगे।'' तिवारी ने कहा कि जनभागीदारी के चलते गाद निकालने का यह काम इतने कम पैसे में पूरा हो सका। उन्होंने बताया कि जब''हमने उनसे कहा कि पोषक तत्वों से भरपूर मिट्टी उनके खेतों को मुफ्त में मिलगी' तो किसान स्वयं तैयार हो गए।

3.6.16

M.P.Chronicle

Aaj (Hindi)

Indian Nation

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

Hindustan (Hindi)

Punjab Keshari (Hindi) The Hindu Rajasthan Patrika (Hindi)

Nav Bharat Times (Hindi)

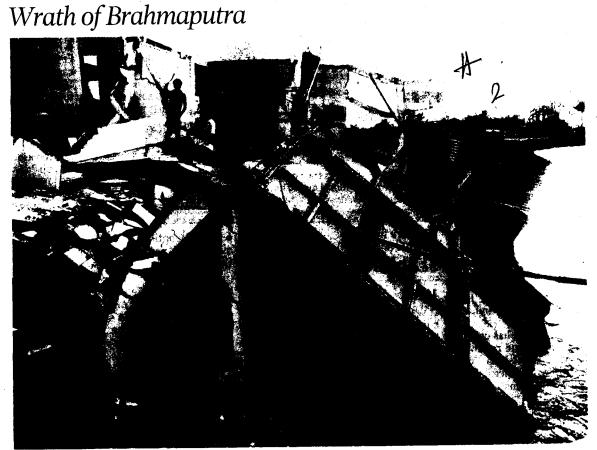
Deccan Herald

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

Deccan Chronicle

Nai Duniya (Hindi) The Times of India (A)

Blitz



LOST TO A RIVER: A building on the banks of the Brahmaputra that collapsed due to erosion at Boko in Kamrup district

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 Aai (Hindi) Indian Nation Nai Duniya (Hindi) The Times of India (A) Blitz

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

auE2

Dam as gift, warlords' ancient citadel dresses up for Modi



EXPRESS IN AFGHANISTAN

PRAVEENSWAM! HERAT.JUNE 2

FESTOONED with giant billboards of Prime Minister Narendra Modi and Indian flags, a city that once served as capital to medieval warlords - from the

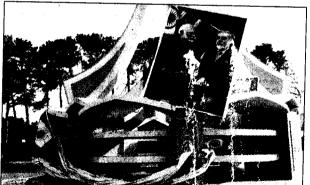
Sultan of Ghazni to Nadir Shah and Ahmad Shah Durrani - is preparing to give an Emperor's welcome to the first ever head of government to visit. And to signal its gratitude for a gift that residents believe will help restore the city to greatness.

Modi is scheduled to visit Herat on Saturday to inaugurate the Salma Dam. At over \$275 million, the most expensive of India's infrastructure projects in the region, it is expected to generate 42 MW of electricity for the rapidly growing city of 435,000 and irrigate some 75,000

hectares.



Large crowds of young people linked to Herat's long-standing political patriarch, Ismail Khan, prepared for the Prime Minister's arrival with drums and dancing tonight.



At a Herat street corner, Indian flags wait for Modi

Herat, a city of broad avenues and new construction fuelled by vibrant transit trade with Iran and Turkmenistan, is considered one of Afghanistan's few success stories. The dam, the Afghan government hopes, will lay foundations for it to emerge as a centre of industry and agriculture.

The Salma Dam is the most ambitious in a series of Indian infrastructure projects meant to help rebuild the war-torn countrv. which include the \$135-million Route 606 highway from Delaram to Zaranj, the \$42-million power transmission line from Pul-i-Khumri to Kabul, and

the \$90-million building that houses the country's Parliament.

"This dam will be standing when no one present at its inauguration is still alive", said Vivek Katju who, as India's first ambassador to the new Afghan republic born after 9/11, played a key role in negotiating the project.

Estimated to cost a relatively modest \$75 million when work began, the dam was to have been completed in 2012. In January 2013, though, Prime Minister Manmohan Singh's government approved the revision of the cost to \$273.3 million and extended

CONTINUED ON PAGE 2

Dam as gift, warlords' ancient citadel dresses m up for PM Modi

the schedule to December 2014.

The Government's Water and Power Consultancy Services (WAP-COS) says work was hit because of the extraordinary difficulties of transporting heavy industrial goods to the project site along the 160-km dirt road from Herat to the dam site near Chishti-Sharif, with everything from cement to steel having to be imported from Iran and Central Asia.

Indian project staff had to be flown to the project site by helicopter after January 2011 because of security threats from Taliban units operating

Taliban terrorists killed Chisht-ialong the road. Sharif Abdulqudus Qayam, a key advocate of the dam, in 2010 in what many saw as linked to efforts to gain protection money from constructionrelated contracts.

Afghanistan's intelligence service, the National Directorate of Security, also blamed the Taliban for a March 2013 attempt to blow up the Salma Dam with 1,300 kg of explosives.

However, at least some experts believe the slow pace of work on the dam calls for introspection. "I don't mean to rain on the parade", says Rakesh Sood, who succeeded Katju as India's

Ambassador to Afghanistan, "as India becomes engaged in strategic projects across the world, it's going to become ever more important to get a grip on these cost and time overruns, or we're going to get a bad reputation".

For Afghanistan's government, though, the dam's inauguration is one of few pieces of good news in the midst of relentless violence that has seen the collapse of economic projects key to the country's future. This week, Taliban attacks claimed over a dozen lives targeting bus passengers near Kunduz, believed to have been carried out on the orders of the organisation's new chief, Haibatullah Akhund.

In Kandahar, a long-awaited United States-funded dam project has been stalled for years because of persistent attacks on key logistics routes. The Kajaki dam's third turbine, set to have been inaugurated last year, was pushed off schedule. The turbine had to brought in under escort from British troops after the contractor responsible for the task pulled out citing security threats. Last year, the Afghan government-run power firm warned that the Taliban controlled one-third of the electricity from the Kajaki plant's two existing tur-· bines and were taxing residents for it.

News item/letter/article/editorial published on 3.3.16. in the

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

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

Draft water bill proposes 'water for life' for all

Draft law says water shall not be denied to anyone over inability to pay, being proposed as model legislation for states

AMITABH SINHA NEW DELHI, JUNE 2

A PROPOSED new law on water promises to give every person the right to a minimum amount of "safe water", while making the state "obliged" to "protect" and conserve water.

The draft National Water Framework Bill says every person would be entitled to "water for life" that shall not be denied to anyone on the ground of inability to pay. It defines this "water for life" as that basic requirement that is necessary for the "fundamental right of life of each human being, including drinking, cooking, bathing, sanitation, personal hygiene and related personal and domestic uses". This would also include the additional requirement for women "for their special needs" and the water required by domestic livestock.

This minimum water re-

quirement would be determined by the "appropriate" governments from time to time.

The draft law, prepared by the Water Resources Ministry, is being proposed as a model legislation that can be adopted by states, since water is in the jurisdiction of the state governments. The Water Resources Ministry has invited comments and suggestions on the draft from the public.

A separate draft Bill for 'Conservation, Protection, Regulation and Management of Groundwater' has also been prepared and put in the public domain for suggestions.

The ministry has said there was a need for a "broad national consensus" on issues related to water. Divergences of policies on water were "inevitable" and "acceptable" at the level of states, but these need to be within "reasonable limits" set by this national consensus. it has said.



The Water Resources Ministry has invited suggestions on the draft from the public. PTI

The draft law tries to build a comprehensive governance structure on water, dealing with its conservation and preservation, regulation of use, pollution prevention and abatement, pricing, administration, and river and aquifer management. It says that the state "at all levels" would hold water "in public trust" for the people, and "water for life"

would take precedence over all other uses, including agricultural, industrial and commercial.

"It shall be the duty of the state at all levels, the citizens, and all category of water users to protect, preserve and conserve water sources, and pass them on to the next generation," it says.

The proposed law wants to introduce a "graded pricing sys-

tem" for domestic water supply, with full cost recovery pricing for high-income groups, "affordable pricing" for middle-income, and a "certain quantum of free supply" to the poor. Alternatively, a minimal quantum of water may be supplied free to all.

A "binding" national water quality standards for every kind of use is proposed to be introduced. A "binding" national water footprint standards for "every activity or product" are also sought to be evolved. The draft law says it would be the "duty" of everyone to strive towards reducing their "water footprint".

Industries, in particular, will be asked to state their water footprint in their annual reports, along with an action plan to progressively reduce it over time. "There shall be prohibitive penalties to discourage profligate use, with denial of water supply services beyond a threshold...," a provision related to industrial use of water says.

Recognising that water in all its forms "constitutes a hydrological unity", the draft law asks governments to strive for rejuvenation of river systems by ensuring Aviral Dhara (continuous flow), Nirmal Dhara (unpolluted flow), and Swachh Kinara (clean and aesthetic river banks). An integrated river basin development and management plan in each of the basins is supposed to be drawn up, and all water-resource projects in that basin or its sub-basins need to conform to that plan.

To deal with inter-state water disputes, the draft law proposes the establishment of "appropriate institutional arrangements". "The upper basin state shall adopt a cautious and minimalist approach to major interventions in the interstate rivers...," it says, while stressing that none of the states in a basin "owns the river".

in the

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

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

M.P.Chronicle Aai (Hindi) Indian Nation Nai Duniva (Hindi) The Times of India (A) Rlitz

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

फिर मेली हो रही शिप्रा

पेज हुं खान का पानी मिलेगा, पंथपिपलई के पास स्टॉपडेम हुआ ओक्स्पलो, खान डायवर्शन के चलते प्रोजेक्ट बंद करने से पैदा हुई स्थिति

उज्जैन @ प्रतिकां १३-३-6-16

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सिंहस्थ में नर्मदा जल से स्वच्छ हुई शिप्रा नदी अब दोबारा से मैली होने वाली है। ऐसा खान डायवर्सन प्रोजेक्ट के बंद होने तथा पंथपिपलाई में खान का गंदा पानी ओवरफ्लो होने से होगा। स्थिति यह है कि बधवार को ही पंथपिपलई में बने स्टाप डैम से खान का पानी निकलकर शिप्रा की ओर बढ़ गया है। ऐसे में एक-दो दिन में परी शिपा में खान का गंदा पानी मिल जाएगा।

शिप्रा नदी को स्वच्छ रखने के लिए 90 करोड़ रुपए खर्च कर खान डायवर्सन प्रोजेक्ट बनाया गया था। सिंहस्थ में पोजेक्ट के शरू होने के चलते खान का गंदा पानी शिप्रा में नहीं मिला था. लेकिन अब स्थिति बदलने वाली है। दरअसल खान डायवर्सन के अधूरे काम को पुरा करने के लिए प्रोजेंक्ट को बंद कर दिया गया है। ऐसे में पंथपिलई से पाइप में डायवर्ट होने वाला पानी रुक गया है। वहीं खान का पानी यहा स्टापडैम में जमा होने लगा है। स्थानीय ग्रामीण बता रहे हैं कि बुधवार सुबह ही स्टाप डैम भरा

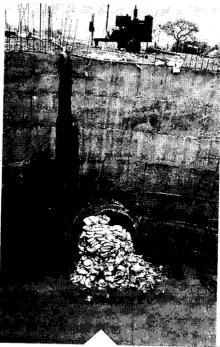
बारिश में नहीं काम का खान डायवर्शन

खान डायवर्सन प्रोजेक्ट बारिश के समय किसी काम का नहीं रहेगा। दरअसल यहां बनाए गए स्टाप डैम की भ्रमता इतनी नहीं है कि वह बाद या अधिक मात्रा में आने वाले पानी को रोक लें। इंदौर या रास्ते से खान में ज्यादा पानी आता है तो वह स्टापडेस से होते हुए शिप्रा बदी में मिल जाएगा।

अधूरे काम को पूरा करने के लिए खान डायवर्शन प्रोजेक्ट को बंद किया गया है। खान का पानी अभी तो नहीं, लेकिन एक-डो दिन में शिप्रा में मिल जाएगा। ऐसे में बारिश में तो खान का पानी शिपा में मिलना ही है।

- **मुकुल जैन,** ईई, जलसंसाधन

गया था। दोपहर बाद ओवरफ्लो होकर पानी आगे की ओर बढ गया है। अगले एक-दो दिन में खान का गंदा पानी पूरी तरह से शिप्रा नदी में मिल जाएगा। लिहाजा अब तक साफ शिप्रा नदी फिर से प्रदूषित हो जाएगी।





जिस पानी को रोका, सिंहस्थ बाद शिप्रा में उसे ही डाल रहे

खान के पानी को शिप्रा में मिलने से रोकने के लिए सिंहस्थ के दौरान पूरे महीने मशक्कत की गई। खान का पानी भूखी माता के नजबीक स्थित इंटकवेल में जमा किया जा रहा था। अब इंटकवेल में पाइप लाइन जोड़ने के लिए इसे खाली किया जा रहा है। इंटकवेल में जमा खान का गंदा पानी पंपिंग कर घाट के नजदीक ही खाली जमीन पर छोड़ा जा रहा है। जमीन पर छोटी नहर भी बना दी गई है जिससे गंदा पानी होते हुए फिर शिप्रा में मिल रहा है।

Hindustan Times

Indian Express

Hindustan (Hindi)

The Times of India (N.D.)

Statesman

Tribune

Nav Bharat Times (Hindi)
Punjab Keshari (Hindi)
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Blitz

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यह नमक की खेती नहीं, नर्मदा का किनारा है

भरूच. फोटो देखने से आभास हो रहा है कि यहां नमक की खेती हो रही है, लेकिन ऐसा नहीं है। यह नजारा गुजरात की जीवन रेखा कही जाने वाली नर्मदा नदी का है। नर्मदा से दिश्या का पानी उत्तरने के बाद नदी का किनारा नमक के खे**द** जैसा लगने लगा है।

नर्मदा नदी को बचाने के लिए दाखिल हो सकती है पीआईएल

भरुच @ पत्रिका

3. 6.16 in the

patrika.com/city नर्मदा नदी का इन दिनों भरुच में अस्तित्व पर संकट मंडरा रहा है। नदी को बचाने के लिए विभिन्न संगठनों की ओर से प्रशासन से गृहार लगाने के बाद भी कोई ठोस प्रयास नहीं किया जा रहा है। नदी का पुरा इलाका सफेद मैदान में तब्दील हो गया है। नमक की चादर नदी किनारे के इलाके में फैल गई है। जमीन पूरी खारी हो गई है और अधिकारी व राजनेता खामोश बैठे हैं। नदी को बचाने के लिए जिले की विभिन्न स्वंयसेवी संस्थाओं की ओर से कोर्ट में पीआईएल दाखिल करने की कार्रवाई तेज कर दी है। आगामी दिनों कोर्ट में जनहित याचिका दाखिल किए जाने की संभावना व्यक्त की जा रही है। लोगों को भी अब कोर्ट से ही इंसाफ मिलने की उम्मीद है। सफेद मैदाज बज गया

सफेद मैदान बन गया नर्मदा नदी का किनारा

सफेद मैदान को देखने के लिए अभी तक लोगों को कच्छ जाना पड़ता था, लेकिन अब वह समय आ गया कि सफेद मैदान नर्मदा नदी किनारे लोगों को देखने को मिल जाएगा। मीठे पानी की नर्मदा नदी आज प्रशासनिक नीतियों के कारण खारे पानी में तब्दील हो गई है। नदी का 110 किमी लंबा किनारा कुछ दिनों बाद नमक क्षेत्र में अगर तब्दील हो जाए तो इसमें आश्चर्य नहीं होगी। बांध से पानी नहीं छोड़े जाने से नदी को दिया ने लील लिया है।

in the

lindustan Times Statesman The Times of India (N.D.) ndian Express **Tribune**

Hindustan (Hindi)

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

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

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

बुदेलखंड में अकाल, मराठवाड़ा में पानी का संकट

मराठवाड़ा से बुंदेलखंड के लिए 11 दिनों की जल-हल पदयात्रा संपन

वर्ड दिल्ली @ पत्रिका ब्यूरो

patrika.com/india मराठवाडा से बुंदेलखंड के लिए 11 दिनों तक चली जल-हल पदयात्रा सम्पन्न हो गई। यह पदयात्रा जय किसान आंदोलन, एकता परिषद, जन आंदोलनों के राष्ट्रीय समन्वय और जल बिरादरी ने संयुक्त रूप से आयोजित की थी। इस पदयात्रा में शामिल राजेंद्र सिंह, पीवी राजगोपाल

और योगेंद्र यादव ने अपनी रिपोर्ट

सार्वजनिक की। इस रिपोर्ट के

मुताबिक, महाराष्ट्र में लोग पानी के

अन्तिम संभव भंडार का उपयोग कर

हैं। दुर्भाग्य से इस जल संकट का मुनाफाखोरी के

हुई थी।

बेहतर है। हालांकि यहां लोग, विशेष रूप से मध्य प्रदेश के, पानी की कमी के साथ जीने को विवश हैं। मध्य प्रदेश के अन्य गांवों में टैंकर आपर्ति में वृद्धि करने की जरूरत है। उल्लेखनीय है कि 21 मई को लातर जिले के सोनवती गांव से शुरू हुई यह पदयात्रा 31 मई को महोबा में समाप्त

रहे हैं। बड़ी संख्या में गांव के लोग बाहरी और कभी कभी मिलने वाली

टैंकरों के पानी पर परी तरह से निर्भर

इस्तेमाल बेलगाम

लिए हो रहा है।

स्थिति अपेक्षाकृत

बंदेलखंड

पशु ज्यादा प्रभावित

रिपोर्ट में कहा गया है कि सुखा मनुष्यों से ज्यादा जानवरों को प्रभावित कर रहा है। बुंदेलखंड में पशओं के लिए अकाल की स्थिति उत्पन्न हो चुकी है। हर गाँव में जहाँ भी हम गए सूखा की वजह से पिछलें महीने में 10 से 100 पशुओं की मौत की रिपोर्ट है। हर गांव में प्रतिदिन एक पश की मौत हो रही है। उत्तर प्रदेश और मध्य प्रदेश के बंदेलखंड क्षेत्र के 13 जिलों में कुल 11,06 5 गांव हैं। इस अनुमान से इस साल मई के महीने में 3 लाख पशुओं की मौत हो चुकी है। इस अनुमान में नीलगाय, बंदरों और हिरण जैसे जंगली जानवरों को शामिल नहीं किया गया है।

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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दो दिनों तक चिपचिपाती गुर्मी पड़ने का अनुमान

नई दिल्ली प्रमुख संवाददाता दिल्ली में शुक्रवार को अधिकतम तापमान 43 डिग्री सेल्सियस के करीब

रहने की संभावना है। तेज गर्मी और आर्द्रता के चलते अगले दो दिन राजधानी के लोगों को चिपचिमी गर्मी का सामना करना पड सकता है।

मौसम विभाग के अनुसार, 06 जून से एक पश्चिमी विक्षोभ सक्रिय हो रहा है। इसके बाद ही इस गर्मी से राहत मिल सकेगी। मौसम विभाग ने गुरुवार को

अधिकतम तापमान 42.3 डिग्री

30.7 डिग्री सेल्सियस दर्ज किया गया। यह सामान्य से तीन डिग्री सेल्सियस है। वहीं, हवा में आर्द्रता का अधिकतम स्तर 59 प्रतिशत के करीब रहा। हवा में आर्द्रता और तेज गर्मी के चलते दिल्ली में लोगों को दिनभर पसीना निकालने

सेल्सियस दर्ज किया। यह सामान्य से दो डिग्री अधिक है। वहीं, न्यूनतम तापमान

वाली गर्मी का सामना करना पड़ा। मौसम वैज्ञानिक समरजीत चौधरी ने बताया कि दो दिन दिल्ली में लोगों को

चिपचिपी गर्मी का सामना करना पड

सकता है।

Hindustan Times

Indian Express
Tribune

Hindustan (Hindi)

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चेत्रः ५ — हिं-३-४-१६ २१ जलशोधन संयत्र लेबोरेटरी से लैस होगा

नहं दिल्ली (का.सं)। दिल्ली सरकार ने कहा है कि यमुना को साफ करने के लिए कार्यरत सभी 21 जलशोधन संयंत्रों को लेबोरेटरी से लैस किया जाएगा।जिससे इन संयंत्रों से साफ किए जाने वाले पानी को यमुना में प्रवाहित करने से पहले इसकी गुणवत्ता जांच सुनिश्चित की जा सके। अभी सिर्फ 7 एसटीपी पर वाटर लैब कार्यरत है।इनमें एसटीपी के शोधित जल को यमुना में प्रवाहित करने के पहले दिन में सिर्फ एक बार वाटर लैब के टेस्ट से गुजारा जाता है।

जबिक शेष 14 एसटीपी पर सप्ताह में एक बार पानी गुणवत्ता अधिकारी खुद जाकर परखते हैं। विभागीय मंजूरी के बाद 14 संयत्रों पर भी लैब स्थापित कर 24 घंटे निगरानी की जाएगी।

हि 347.2%. को निम्नलिखित समाचार पत्र में प्रकाशित मानसून/ बाढ़ सम्बन्धी सर र

Hit Delhi)
লট সত্ত প্ৰতিশ্বাস্থিত সূত্ৰ স্থান সংক্ৰী (
The results of the mail)

The Assam Tribune (Guwanati) The Times of India (ਅumasi) The Telegraph (Keikata) ਇੰਕਵੁਦਗਰ (ਪਟਰਾ The Deccan Hearld (Bergluru)
The Deccan Chronical (Hyderabad)
Central Chronical (Bhopal)

Drought to cost Indian economy \$100 bn'

KumKum Dasgupta

* kumkum.dasgupta@hindustantimes.com

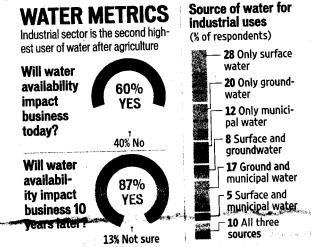
NEW DELHI: The ongoing drought in 10 states of India is estimated to impact the economy by at least ₹6,50,000 crore, according to a recent study by the Columbia Water Center-India.

The various categories of industries that have been affected include thermal power plants, iron and steel industry, agro-based industries, food products and beverages, textiles, and pulp and paper.

The report titled India's Deepening Water Crisis, Water Risks for Indian Industries says that the industrial sector in India is the second highest user of water after agriculture, but a lacks quantitative assessments and data, which can help gauge the actual magnitude of industrial water use and impacts.

In order to adapt to the water scarcity, many sectors are operating below their optimal production capacities, Dhruv M Sawhney, chairman, Confederation of Indian Industry-Triveni Water Institute (CII-TWI), told *HT*.

The resultant shortage, he



70 firms surveyed across 27 sectors

added, could pull down the growth in the index of industrial production (IIP) by 40-50 basis points, while the manufacturing sector alone could take a hit of 50-75 basis points.

"This year, there have been instances where thermal power plants in West Bengal, Karnataka and Maharashtra had to shut down due to lack of water. Another impact of

Source: Ficci-Columbia Water Centre India

drought is on groundwater, which accounts for around 55% of the water used by industries," said Kamal Vatta, director, and Romit Sen, deputy director, Centers for International Projects Trust, the India office of CWC.

The good news is that some Indian companies are already taking initiatives to tackle the scarcity. The CII-TWI has under-

taken about 120 water audits, resulting in potential annual savings of about 85 billion litres of water, which is equivalent to supplying one day of fresh water to India's rural population.

Their research show that 15-20% water savings are possible by low-cost strategies with payback in four to five months, and 30-40% savings can be achieved by medium-high cost strategies with payback in 12 to 18 months.

In Bundi district of Rajasthan, ITC is assisting the local community to revive water harvesting and conserve soil. This has led to an increase in area under irrigation. These measures translate into better incomes and livelihoods for the community while saving water.

Industries also see merit and higher economic value in reusing waste water for purposes where water quality is not an important criterion such as horticulture, gardening and cleaning.

Sawhney feels water audits should be made compulsory and the industry should connect with municipalities to treat and use municipal sewage.

उन्हों दिनाकं .३म्बे?ः.... को निम्नलिखित समाचार पत्र में प्रकाशित मानसून/ बाढ़ सम्बन्धी समाचार

Hindustan Times (Delhi) ्र ज्रवभारत 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) The Deccan Chronical (Hyderabad) Central Chronical (Bhopal)

सामान्य से ज्यादा बारिश का भरोसा



दिल्ली को भी बेसब्री से मॉनसून का इंतजार है। गुरुवार को इंतनी तेज गर्मी थी कि आईटीओ पर पुलिस हेडक्वॉर्टर के पास जेब्रा क्रॉसिंग का पेंट तक पिंघल कर फैल गया।

O पर्सेंट संभावना है इस बार मॉनसून में कमी की। मौसम विभाग का अनुमान है कि इस बार बारिश सामान्य से ज्यादा रहेगी।

2 साल के सुखे के बाद यह अनुमान कृषि के साथ-साथ परी डकॉनमी में रफ्तार के लिए जॉन फंकने का काम करेगा।

1994 के बाद सबसे ज्यादा. बारिश होगी, अगर अनुमान सही निकला। मौसम विभाग ने अपैल से भी ऐसा ही अनुमान लगाया था।

50 साल के औसत के मुकाबले 106 पर्सेंट तक बारिश देश में हो सकती है। मध्य और दक्षिण भारत में 113 पर्सेंट तक हो सकती है।

4-5 दिन में केरल पहुंचने वाला है मॉनसून। प्राइवेट एजेंसी स्काईमेट को लगता है कि मॉनसून केरल पहुंच चुका है। (विस)

Hindustan Times (Delhi) **्र**मवंभारत टाईम्स (दिल्ली) The Tribune (Chandigarh) The Hindu (Chennai)

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मानसून पर हर चैलेंज के लिए केंद्र तैयार PMO ने नीति आयोग से बारिश पर नजर रखने को कहा, कृषि-खाद्य मंत्रालय भी करेंगे मदद

रजत अरोड़ा | नई दिल्ली | मौसम विभाग ने सामान्य से ज्यादा बारिश का अनुमान दिया है, लेकिन मोदी सरकार सूखे और महंगाई के मोर्चे पर कोई रिस्क नहीं लेना चाहती। इसी वजह से प्रधानमंत्री कार्यालय (PMO) ने नीति आयोग को प्लान B बनाने का निर्देश दिया है। आयोग से कहा गया है कि वह मॉनसून पर बराबर नजर रखे। वह देखे कि कहां सामान्य और कहां कम बारिश हो रही है। आयोग से फसलों की बुआई और पैदावार पर भी नजर रखने को कहा गया है। आयोग से किसानों को अच्छे बीज और दूसरे उपायों के जरिये पैदावार बढ़ाने के उपाय करने को कहा गया है। इस प्लान B में कृषि और खाद्य मंत्रालय का पूरा सहयोग नीति आयोग को मिलेगा। एक तरह से दोनों मंत्रालय नीति आयोग के सुझावों के मुताबिक काम करेंगे।

क्या है कारण?

लगातार दो साल सुखा पड़ने से देश में कृषि उत्पादन कम हुआ है। इस दौरान सूखे से पीड़ित किसानों तक सही तरीके सें वित्तीय सहायता पहुँचाई नहीं जा सकी। खाने के सामान की खुदरा कीमत भी अधिक रही। इसलिए सरकार कोई रिस्क नहीं लेना चाहती। केंद्र ने वित्त मंत्रालय को निर्देश दिए हैं कि नीति आयोग की रिपोर्ट पर अमल करने में पैसा रोडा ना बने। अभी भी



पैसे की किल्लत नहीं होने देगा केंद्र

- आयोग से कहा गया है कि वह मॉनसून पर बराबर नजर रखे। वह देखे कि कहां सामान्य और कहां कम बारिश हो रही है
- केंद्र ने वित्त मंत्रालय को निर्देश दिए हैं कि नीति आयोग की रिपोर्ट पर अमल करने में पैसा रोडा ना बने

दाल से लेकर सब्जी-फलों के दाम में तेजी बनी हुई है। अप्रैल में रिटेल महंगाई दर यानी CPI बढ़कर 5.39 फीसदी रही। मार्च में यह 4.83 फीसदी थी। अप्रैल में कोर महंगाई दर 4.9 फीसदी रही, मार्च में कोर महंगाई दर 4.6-4.8 के दायरे में थी। सबसे अहम बात यह है कि खाने-पीने की चीजों की महंगाई दर में भी बढोतरी जारी है। महीने दर महीने आधार पर अप्रैल में खाने-पीने की चीजों की महंगाई दर 5.21 फीसदी से बहकर 6.32 फीसदी रही है। ग्रामीण इलाकों की महंगाई दर 5.7 फीसदी से बढकर 6.09 फीसदी रही है। शहरी इलाकों की महंगाई दर 3.95 फीसदी से बढ़कर 4.68 फीसदी रही है। मतलब साफ है कि महंगाई अब भी फन उठाए हुए है।

राजनीतिक वजह

मोदी सरकार के प्लान B के पीछे राजनीतिक कारण भी बताए जा रहे हैं। अगले साल पांच राज्यों में चुनाव होने हैं। बीजेपी का मुख्य फोकस पंजाब और उत्तर प्रदेश पर है। इन दोनों राज्यों में किसानों का वोट काफी अधिक है। यही कारण है कि मोदी सरकार एक तीर से कई निशाने साधना चाहती है। अगर कहीं कम बारिश हुई तो किसानों को जल्द राहत पहुंचाई जाएगी। दूसरी तरफ, कृषि उत्पादन ज्यादा होने पर रिटेल महंगाई कम करने में सफलता मिलेगी।

२५√२.2.0.16. को निम्नलिखित समाचार पत्र में प्रकाशित मानसून/ ः इ सन्बन्धी

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Monsoon set to be delayed

DC CORRESPONDENT HYDERABAD, JUNE 1

Mensoons in Kerala this year would be delayed from the normal date of YJune 1 for the last 50 The skyman announce that it would strike the Kerala coast on June 7 (plus or minus four days). The date of their striking Rayalseema is not yet announced. Indian Meteorological Department, Hyderabad, ector Mr. Y. K Reddy d, "Once the monsoon strikes the coast of Kerala, the IMD can predict the day of arrival in Ravalseema Telangana. It would generally take 2-3 days to reach Rayalseema from

The normal date for

Kerala."

THE NORMAL date for monsoon arrival in Telangana is June 5. However, due to the delay in hitting the Indian coast, the arrival may be further delayed in TS

arrival Telangana is June 5.

However, due to the delay in its hitting Indian coast, the arrival may be further delayed in TS. In 2015 the monsoon arrived on june 13th. TheIMD states that, based on the weather conditions in Kerala, the arrival date Rayalseema and Telangana can be predicted.

monsoon

दिनाकं रे. को निम्निलिखित समाचार पत्र में प्रकाशित मानसून/ बाढ़ सम्बन्धी समाचार

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Kerala wet with rain but it is not monsoon, says Met Department

Amit.Bhattacharya @timesgroup.com

New Delhi: Forecasters have often disagreed on when the monsoon would arrive in the country. This year, however, there is disagreement over whether the monsoon has arrived.

the current weather in Kerala, which has been witnessing heavy rains over the past week. Kerala is the state where the southwest monsoon makes landfall in the Indian subcontinent, slowly progressing northward to eventually cover

At the centre of the row is

The India Meteorological Department (IMD), the country's official weather agency that is entrusted with declaring the onset of monsoon, is clear in its view that the current rains in Kerala are pre-

the entire country.

KERALA RAIN	Place	May 30	May 31	June 1
NOT MONSOON	Thiru'puram*	0	4.5	0.1
RAINFALL IN MM AT 14	Punalur	0.6	41.2	12
PRE-SELECTED STATIONS	Kollam	5.0	2.0	2.4
	Alappuzha	2.9	32.4	61.9
	Kottayam	1.4	14.4	7.2
The first of the second	Kochi	3.0	25.0	12.6
The state of	Thrissur	3.0	6.0	21
	Kozhikode	6.4	43.0	50.3
	Thalassery	0	6.0	108
	Kannur	0	31.0	105.8
	Kudlu	12.4	31.0	13
	Mangalore	0.2	14,0	56.2
	Aminidivi	23.0	3.0	6
*Thiruvananthapuram Source: Skymet	Minicoy	2.0	21.0	0.6

monsoon showers and not the real deal.

"We need to distinguish between monsoon and other rain activity. What's happening at the moment over Kerala is thunderstorm activity. Thunderstorms are taking place in the evening due to heating up of the land, followed by heavy rain," said D Sivananda Pai, IMD's lead monsoon forecaster:

Taking a different view, private forecaster Skymet has made strong statements to the effect that the current rains have heralded the monsoon's arrival. "It looks like monsoon is here and has entered the Kerala coast. Skymet had predicted the onset of monsoon by May 30 this year. Yet, it has not been

declared by the governing aut-

hority till now. This has raised

a 'hush-hush' noise in the in-

dustry," Skymet CEO Jatin

Singh said on Wednesday.
Singh argued that the criteria for the monsoon's onset had been met, beginning with the condition that 60% of 14 pre-selected stations in the region should record at least 2.5mm rain for two consecutive days (see graph).

दिनाकं २.४१.८... को निम्नलिखित समाचार पत्र में प्रकाशित मानसून/ बाढ़ सम्बन्धी समाचार

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With telltale signs of rains in the skies, a labourer hurries up to gather salt at a pan near the Eastern Express Highway in Mulund. The salt that will be piled up will be sold over the next four months or so, until the end of the monsoon

6/4/2016 The Telegraph e-Paper preview

The Telegraph

Good morning, Nor'wester



A tree uprooted by Wednesday morning's Nor'wester near the Police Training School on AJC Bose Road. Picture by Amit Datta

A STAFF REPORTER

Calcutta woke up to a Nor'wester trail of howling wind, lashing rain, uprooted trees and submerged streets on Wednesday morning, an unusual time of day for a storm that typically strikes after a sweltering afternoon.

Strong winds accompanied by rain came down between 6.30am and 9am, with the heaviest spell recorded around 7am as clouds that had formed northwest of the city filled the skies.

"More such thundershowers are likely over the next two to three days because the weather systems causing the moisture incursion will remain active for now," an official of the meteorological department said.

The regional meteorological centre in Alipore reported that the highest wind speed of 45kmph was between 7.10am and 7.11am. A tree fell near the Police Training School on AJC Bose Road at 8.45pm, blocking the Vidyasagar Setu-bound flank of the thoroughfare and triggering long snarls. The Esplanade-bound flank of the road was unaffected, though.

Another tree was uprooted on BK Paul Avenue during the squall. Broken branches of trees were strewn across roads and lanes elsewhere in the city.

IMD Patna confirmed that tall columns of cloud had formed on the northeastern parts of Jharkhand around 3am and then moved towards Bengal.

The rain was caused by two powerful low-pressure zones that drew water vapour into land from the Bay of Bengal through the night, leading to heavy cloud formation. The



intensity of the rain was heavier in north Calcutta than in the south.

Pumping stations of the Calcutta Municipal Corporation (CMC) recorded 35mm of rain each at Birpara and Duttapukur, 32mm at Thanthania and 25mm at Palmer Bazaar. In south Calcutta, Chetla topped the rain count with 10mm, Ballygunge received 8mm and Behala Flying Club 4mm.

Neighbourhoods along the Bypass in the eastern part of the city too had a decent spell of rain.

The Alipore weather office recorded 16.6mm of rain overall in 24 hours till 8.30am. In meteorological parlance, a reasonably heavy spell of rain around this time of the year is classified as a pre-monsoon shower.

"Such showers happen towards the end of summer (March to May) and before the onset of the monsoon, when moisture-heavy winds from the sea start to make their way into south Bengal. At this point, the upper levels of the atmosphere are dry while the lower levels are humid, creating perfect conditions for thunderclouds to develop," a weather scientist explained.

South-westerly monsoon winds generally reach Calcutta between June 8 and 10, after touching the Kerala coast around June 1. This year, the monsoon is projected to be delayed. Monsoon winds are expected to hit Kerala more than a week later than usual.

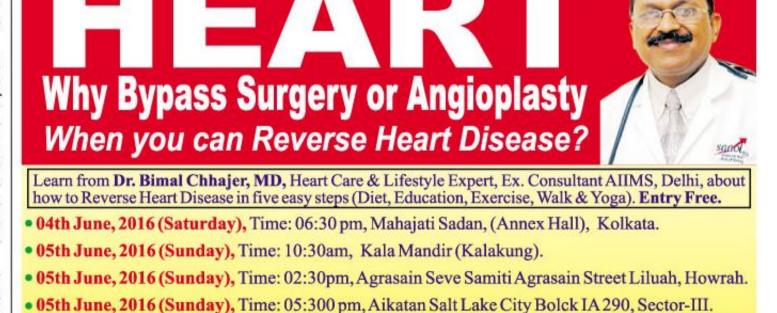
Wednesday's rain left some roads along Central Avenue waterlogged. But the water receded by 9am, just in time to spare rush-hour commuters the trouble of going through submerged roads. Civic officials said they did not have to use pumps to drain out rainwater from any locality.

The thunderclouds that brought the rain had formed because of a "very strong" cyclonic circulation spread across Madhya Pradesh, Bihar and Uttar Pradesh. A trough of low pressure running from Rajasthan down to Gangetic Bengal added to the incursion of moisture.

A trough is an imaginary line joining low-pressure points across the breadth of the country.

Both the cyclonic circulation and the trough are zones whose atmospheric pressure is lower than their surroundings, making them draw air. Since these systems were positioned close to the Bay of Bengal, they drew moisture-laden air from sea into land, leading to the formation of tall, dark cumulonimbus clouds.

"Generally, it takes both heat and humidity to cause the formation of thunderclouds and this usually happens in the second half of the day. But clouds formed on Wednesday even when the temperature was low because the abundance of moisture made up for the lack of heat," a Met official said.



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The Telegraph

NOR'WESTER WAKE-UP CALL WITH 45KMPH WIND AND HEAVY RAIN AT FAG END OF SQUALL SEASON







A Nor'wester with a top wind speed of 45kmph lashes Calcutta on Wednesday morning, unusual for a tropical storm that typically hits the city after an excruciatingly hot afternoon during March to early June. A tree was uprooted near the Police Training School on AJC Bose Road at 8.45pm, blocking the Vidyasagar Setu-bound flank and triggering snarls. Pictures by Ankit Datta, Amit Datta and Pabitra Das • Report on Page 17

http://epaper.telegraphindia.com/print/191490-5014166.html