

Perspective

Now is the time to manage our water

S K Sarkar

India is predicted to witness more than average yearly rainfall, thus breaking the last few drought cycles. But that does not mean we should forget to draw much needed lessons for managing drought likely to occur in the future.

It is worth recalling a recent Supreme Court judgement, *Swaraj Abhiyan Vs Union of India* (11 May 2016), which has brought into limelight the unsatisfactory status of our drought management. The judgment emphasized the need for taking measures such as, inter alia, setting up of a National Disaster Response Force and establishing a National Disaster Management Fund.

Under the existing practice, drought is defined in three ways. Meteorological drought is declared when there is deficiency of precipitation of a certain level, from expected or normal levels over an extended period of time; hydrological drought is defined as deficiencies in surface and sub-surface water supplies leading to a lack of water for day-to-day and specific needs, and finally, agricultural drought, triggered by meteorological and hydrological droughts, occurs when soil moisture and rainfall are inadequate, vis-a-vis certain expected levels, during the crop growing season, causing extreme crop stress and wilting.

Droughts can be managed if availability of surface water as well as ground water is adequate to meet the demand in various sectors - agriculture, domestic and industrial. Now that rain is knocking at our door, we must strive for adequate storage of water for use in times of crisis. Completion of delayed dam projects, renovating the existing dams, ponds, water tanks, to remove siltation, and restoration/creation of water bodies, must be given priority. Water conservation and recharging of



ground water are essential steps in this direction.

The demand side of water management should also be given adequate attention. The demand for water is growing in all sectors day by day, as the country's economic growth expands and the lifestyle of our population changes. By 2050, the average annual water availability in India is estimated to fall short of the demand, reducing per capita water availability to a water scarcity level. Steps for optimal water use will have to be introduced in all sectors.

First, today, water use in agriculture is more than 80 per cent of the total demand, and likely to hover around 70 per cent on a long-term basis. Ironically, ground water dependent inten-

sive crops such as sugarcane, banana, etc., are produced in water-stressed regions such as Marathwada. Indiscriminate exploitation of ground water occurs through digging of borewells. In other regions too, dependency on ground water is very much evident.

As assessed by the Central Ground Water Board, the annual ground water consumption in Delhi, Haryana, Punjab and Rajasthan, is more than its annual recharge. In the country as a whole, about 89 per cent of ground water is used for irrigation. Thus, unless recharge of ground water is immediately undertaken for its replenishment, the country is expected to face hydrological drought, and consequently agricultural drou-

ght, in coming years. This also calls for adoption of 'per drop more crop' policy, by using proven technology and by growing less water-intensive crops. The use of Jain Irrigation technology, for example, shows that wheat production using micro-irrigation saves irrigation water up to 50 per cent, conserves pumping energy, maintains right humidity, enhances the yield and enables crop rotation with intermediate pulse crop during summer.

The existing regulatory barriers should be removed for optimum use of ground water. Under the 'Easement Act 1882', a land owner has every right to collect and dispose of all water under the land and on the surface of his property. This needs to be amend-

ed, as ground water being less connected across user person's excess withdrawal affects its availability for others.

Second, in the industry sector too, there is enough scope for water conservation and recycling of waste water. Water intensive industries, such as the thermal power sector, paper and pulp industry, textiles and steel should undertake water use audit and reduce the water use in their operations in keeping with the availability of water. A study by The Energy and Resources Institute, Delhi, (2015) showed that there is significant scope for saving water and consequent financial savings in high water consuming industries such as thermal power plants. The aim in these industries should be zero water discharge and optimal use of water for meeting their operations. The lead industry should also encourage other industries placed in backward and forward chains, for undertaking similar activities.

Third, water loss during conveyance in domestic sector is significant, which can be avoided use of advanced urban water systems. In Israel, this has been significantly reduced, and in addition, 86 per cent of domestic waste water is treated before recycling it for agricultural/horticultural use. The rainwater use equipment should be introduced. In this regard, the Bureau of Water Use Efficiency being proposed by the central Water Resources Ministry can accelerate the process.

In sum, water security is vital for India's sustainable development. The conservation of water has to be undertaken with seriousness, on a long-term basis. Current short-term efforts applied for country's drought management will have to be combined with long-term measures on holistic basis. The need for policy changes should also be examined for incentivising optimum use of water. The Apex Court's remarks, such as "ostrich-like attitude" of some governments in dealing with drought, should trigger positive action not only on the part of governments, but also at all levels. And now is the time to act.

THE WRITER IS A DISTINGUISHED FELLOW AND DIRECTOR, WATER RESOURCES & FORESTRY SECTION IN TERI, NEW DELHI AND A FORMER SECRETARY, MINISTRY OF WATER RESOURCES, GOVT. OF INDIA

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ST-17 P-3 Humid day in city

New Delhi, 16 June: It was a sultry day in the national capital today with the mercury settling down at 37.3 degrees Celsius, two notches below normal.

The humidity levels oscillated between 75 and 41 per cent.

"The maximum and minimum temperatures were recorded at 37.3 and 28 de-

grees Celsius respectively," a MeT official said.

The weatherman has predicted a clear day tomorrow with possibility of thundershowers in some areas.

"The maximum and minimum temperatures are likely to hover at 38 and 29 degrees Celsius respectively," the MeT said. **PTI**

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WB nod to ₹643 cr Kol Dam water scheme for Shimla

PRATIBHA CHAUHAN
TRIBUNE NEWS SERVICE

SHIMLA, JUNE 16

The water woes of the state capital and the suburbs may finally be addressed with the World Bank (WB) giving its nod for the taking up of the Rs 643 crore Kol Dam lift water supply scheme to cater to the growing needs of town and suburbs for the next three decades.

Dr Smitra Mishra from the World Bank today visited the proposed site near Tattapnai for the lifting of 55 MLD water daily from the Kol Dam. She will hold detailed discussions with Secretary, Irrigation and Public Health Anuradha Thakur and the Shimla Municipal Corporation here tomorrow to look into the various aspects right from lifting and distribution. She also met Chief Minister Virbhadr Singh.

"The World Bank has agreed to partner with us for taking up the Kol dam water supply scheme to be able meet the growing water needs of the entire Shimla Planning Area, including the suburbs," confirmed Anu-

A big breather

- As per the revised proposal, the World Bank will provide Rs 544 crore while the state will pitch in with the rest for the water project
- Supply from the Ashwani khud which provided up to five MLD being was stopped on January 2, 2016 due to water contamination.

radha Thakur, Secretary Irrigation and Public Health. She added that a very important component of the project will be the thrust on globally observed best practices with regard to water supply.

As per the revised proposal sent in June 2015, the World Bank will provide Rs 544 crore while the state will pitch in with the rest for the project. With supply from the Ashwani khud which provided up to five MLD being stopped since January 2, 2016 earlier this year due to contamination, the nod from the World Bank for project has certainly come as a big breather.

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Pre-monsoon showers lash North, two killed in Kashmir

NEW DELHI: Heavy pre-monsoon showers lashed the northern States on Thursday, barring Delhi, dragging the maximum temperatures several notches below normal even as Kashmir reported two deaths with high-velocity winds sweeping the region, damaging structures and uprooting trees.

Sultry day in Delhi

It was a sultry day in the national capital even as the mercury settled at 37.3 degrees Celsius, two notches below normal for this time of the year.

The minimum in the city was recorded at 28 degrees and humidity level between 41 and 75 per cent.

The maximum day temperatures in the other three metropolitan cities of Kolkata, Chennai and Mumbai settled at 34.8, 37.6 and 34.3 degrees.

In Kashmir, Naik Surinder Yadav of Army's 64 Field Regiment was killed when a tree, uprooted by strong winds, fell on him at Zeran Check village in Baramulla district of north Kashmir while five-year-old Iqra died

An Armyman was killed when a tree, uprooted by strong winds, fell on him in Baramulla district

on the spot when a tree fell on her house at Faqir Bagh in the district.

Pre-monsoon rains lashed many parts of Punjab and Haryana, causing mercury to dip by few notches. Chandigarh received a heavy downpour overnight and the sky was cloudy during the day.

Ambala, Karnal, Panchkula, Hisar, Yamunanagar and Kurukshetra, were among other places in Haryana that were lashed by rains. Ludhiana, Ropar, Phagwara, Mohali and Hoshiarpur in Punjab were also lashed by rains.

The Met department has said the monsoon was likely to hit Punjab and Haryana by the end of June.

Thunderstorms in U.P.

Light to heavy rain and thunderstorms at a few places brought temperatures down in Uttar

Pradesh.

While Meerut and Ghaziabad received 3 cm each, Saharanpur and Sahibpur received 7 cm each. Nagina and Bansgaon registered 6 cm rainfall with Chandradeepghat, Kannauj, Malihabad, Bhinga, Aonla, Bijnore recording 4 cm each.

Heavy pre-monsoon rains lashed several parts of Himachal Pradesh for the second day, leading to a marginal fall in temperatures.

Wettest place

Gohar in Mandi district was the wettest place receiving 165 mm of rains, while Sundernagar and Bijahi gauged 121 mm and 110 mm of rains. Sub-Himalayan West Bengal witnessed heavy rains with Cooch Behar district measuring 87.8 mm and Darjeeling 19 mm of rainfall. Asansol and Bankura in Gangetic West Bengal gauged 21.6 mm and 9.6 mm of rains, respectively.

The Met office forecast heavy rains in Darjeeling, Jalpaiguri and Cooch Behar for the next three days. - PTI

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Stuck for a week, sluggish monsoon set for a surge: Met

Amit.Bhattacharya
@timesgroup.com

New Delhi: Stuck over south India for almost a week, the monsoon is set to stir again on the back of a fresh surge. Over the next four-five days, the rain-bearing wind system is expected to cover entire peninsular India and major parts of east India, and enter central India, the Met said.

Monsoon hit the country on June 8, over a week later than its normal date of June 1, and rapidly pushed into many parts of south India within a couple of days. Since then, it's remained static over the region while advancing in the east to cover northeast India.

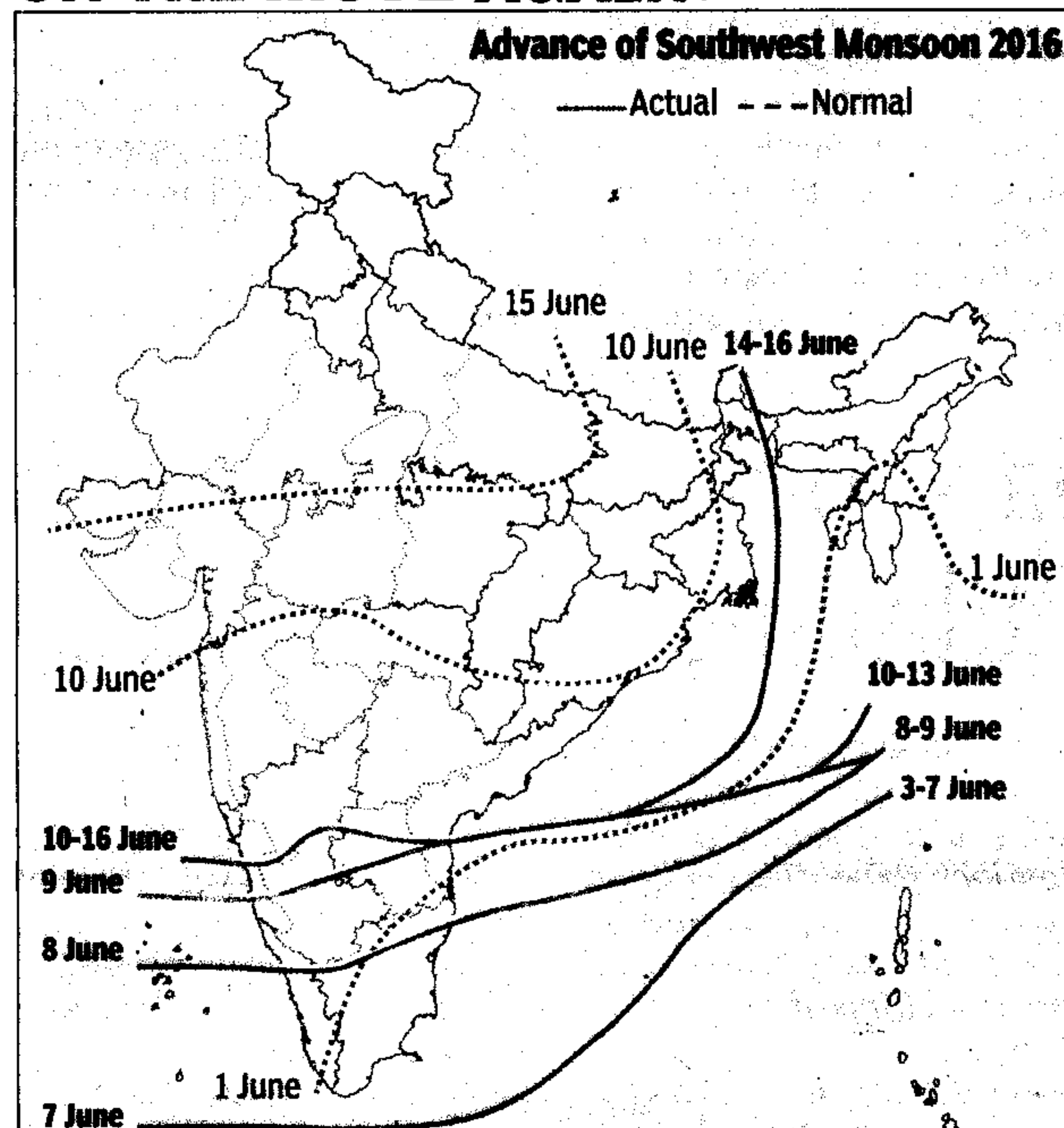
The system is set to move again, this time taking the monsoon into some of the major drought-hit areas of the country, forecasts the Met.

"After onset, there were two surges. The first advanced the monsoon into south India up to Goa; the other took it to the north-east," said B P Yadav, director, India Meteorological Department.

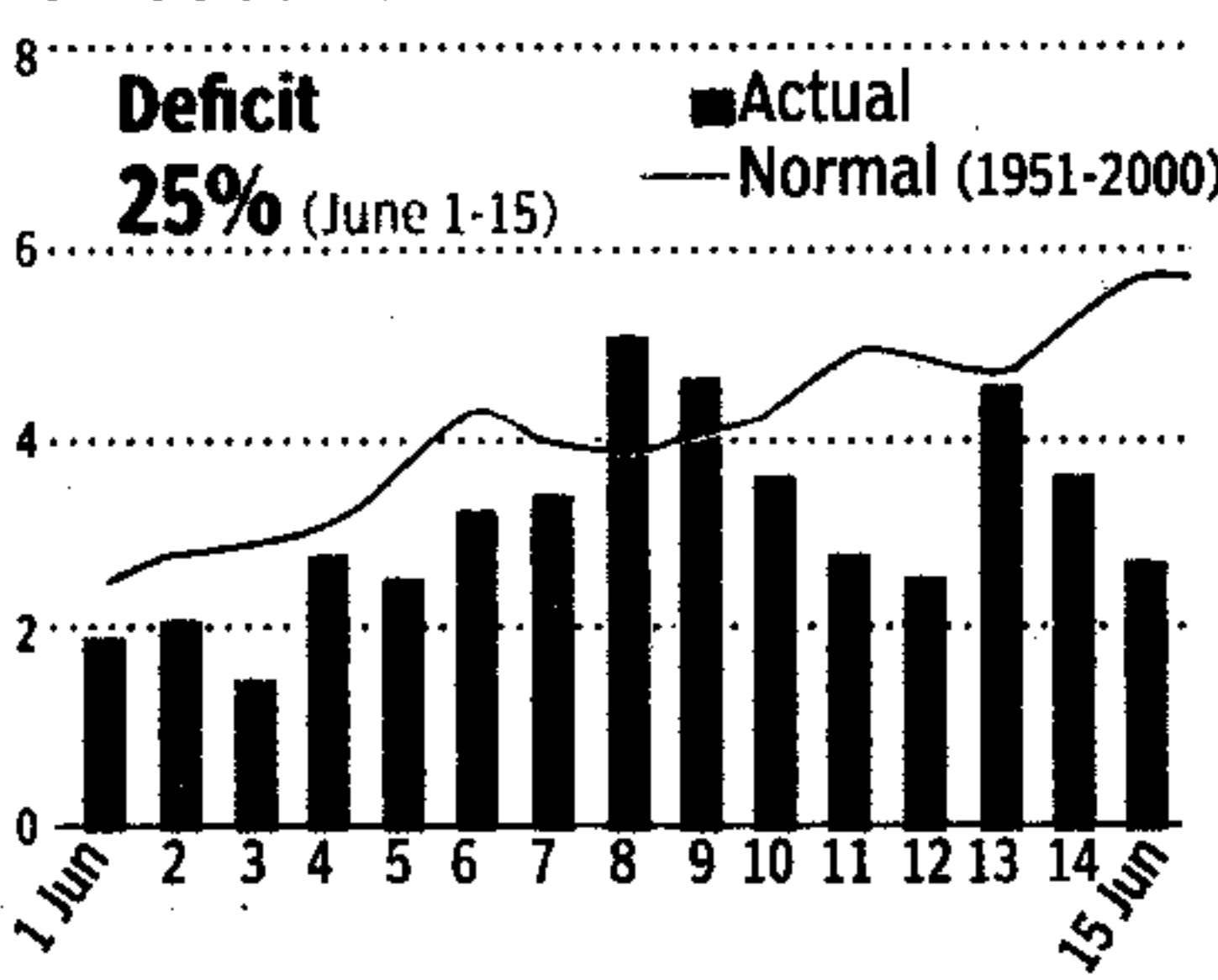
"We're on the verge of the third surge that's expected to take the monsoon into Telangana, Maharashtra, Chhattisgarh, besides covering Rayalseema and coastal Andhra. It's likely to enter Odisha, Bengal, Jharkhand and Bihar," Yadav said.

The late arrival and slightly sluggish progress thereafter has meant the

ON THE MOVE AGAIN?



All India daily mean rainfall (mm) since June 1



monsoon deficit in June's first half has grown to 25%. However, this is expected to reduce in the coming days, with the monsoon's Arabian Sea arm showing signs of ac-

tivity again. A fresh circulation forming off the Andhra coast is also expected to boost its strength.

"The monsoon never covers the country in a steady

flow. It progresses in pulses and surges. The coming days should reduce the monsoon deficit, although June is likely to end in the negative," Yadav said.

The Met's forecast an 'above normal' monsoon this year, with rains during the June-September season pegged at 106% of the long term average. The slow start to the season, although in line with the forecast, has led to advisories to farmers in central India to hold off sowing.

"After onset, the monsoon pulse weakened after interacting with dry air over

The rain-bearing wind system is set to move again, this time taking the monsoon into some of the major drought-hit areas of the country

the mainland. High temperatures in the Indian Ocean too could have played a part in the slightly sluggish behaviour of the monsoon so far," said D Sivananda Pai, IMD lead monsoon forecaster.

"But the ocean is now cooling and there's more moisture over the land. We expect a long wet spell, particularly after June 20," Pai added.

As per the Met's forecast, all three monsoon months after June are expected to see higher than normal rainfall, with July and September being particularly good.

STATE OF THE STATES

MAHARASHTRA

Monsoon | Farmers told to wait for rain (at least 75mm) before sowing soya

- Another 10-12 days before monsoon reaches Vidarbha
- Arabian Sea branch of monsoon likely to strengthen again from June 17

Prices | Spike in veggie prices, especially tomato. Coriander, leafy items also zoom

- Vegetable supply down by over 40%

Problem | Lack of water in vegetable growing districts



KARNATAKA

Monsoon | Received good rains between June 9 and June 12, but weakened later

- Rains expected after June 18
- Southwest monsoon active in coastal districts, Dakshina Kannada, Udupi and Uttara Kannada, parts of Western Ghats

Growth Rate | Karnataka's economy slowed from 7.8% (2014-15) to 6.2% (2015-16)

Problem | Drought in 137 taluks during kharif and 62 taluks during rabi season



ANDHRA/ TELANGANA

Monsoon | Slows after covering Rayalaseema, south coastal Andhra. Monsoon to advance only next week. Prices of vegetables up significantly

Prices | Tomato ₹100/kg, Potato ₹30/kg, Green chilly ₹130/kg

- Papaya, oranges, mangoes, melons up 150%

Problem | To date, only 5% sowing completed. Krishna, Godavari deltas – the rice bowl – are worst hit

- Water level down in reservoirs



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प्रतिष्ठा - 17-6-16

नहीं मिली पुलिया निर्माण की स्वीकृति तो ग्रामीणों ने खुद ही बना लिया लकड़ी का पुल



दुर्गौदल @ पत्रिका. कई वर्षों से ग्रामीण नदी-नालों पर पुल-पुलिया निर्माण के लिए शासन-प्रशासन से गुहार लगा रहे हैं लेकिन अब तक उनकी कोई सुनवाई नहीं हुई। थककर हर बार की तरह इस बार भी ग्रामीणों ने खुद ही नाले पर लकड़ी की पुल तैयार कर ली। इस बार भी बरसात में 80 से अधिक गांवों के ग्रामीणों की समस्याओं के साथ समय गुजरेंगे। यहां बता दें बीते इस क्षेत्र के ग्रामीण 20 वर्षों से जनसहयोग कर लकड़ी का अस्थाई पुलिया बनाकर आवागमन करते हैं। किसी तरह लकड़ी पुल के सहारे गांव तक बाइक, ट्रैक्टर पहुंच पाती।

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अर्थ जगत में चिंता 8 दिन देरी से आया, मौसम विज्ञानियों को भरपाई की उम्मीद

गोवा में मानसून भी सैर पर, कल पहुंचेगा मुंबई

मौसम विभाग ने बताया 106 फीसदी बारिश का पूर्वानुमान

नई दिल्ली @ पत्रिका

rajasthanpatrika.com

वर्षा हर देश की अर्थव्यवस्था के लिए जरूरी है, लेकिन भारत की अर्थव्यवस्था तो पूरी तरह कृषि आधारित है। इस बार मौसम विभाग की भविष्यवाणी ने अर्थव्यवस्था के संभावित खतरों को भी रोके रखा है, लेकिन एक तो मानसून 8 दिन की देरी से आया और दूसरे भौगोलिक दशाओं के चलते पिछले तीन दिन से गोवा में ठिठके मानसून से किसानों और अर्थशास्त्रियों की पेशानी पर थोड़ी चिंता की लकीरें जरूर उभर आई हैं। आरबीआई गवर्नर भी कह चुके हैं कि इस बार मानसून अच्छा रहा तो विकास दर 8 फीसदी रह सकती है। चूंकि देश में 60 फीसदी से ज्यादा भूमि असिंचित है, लिहाजा मानसून की स्थिति से अर्थचक्र बनता और बिगड़ता है। जब-जब मानसून की बेरुखी रही, महंगाई बढ़ी, जीडीपी घटी और भूजल स्तर चिंताजनक ढंग से गिरा।

बुवाई रखें धीमी

मौसम विभाग ने मानसून में संभावित देरी के चलते सूखा प्रभावित इलाकों में बुवाई को धीमा रखने की सलाह दी है।

पांच वर्षों में कितनी हुई बारिश

वर्ष	बारिश (%)	कम-ज्यादा (मिमी में)	अनुमान (%)
2011	102	901 (+2)	98
2012	93	823 (-7)	99
2013	106	937 (+6)	98
2014	89	890 (-17)	93
2015	86	887 (-14)	93

पांच वर्षों में कब आया मानसून

वर्ष	कब आया	पूर्वानुमान
2011	29 मई	31 मई
2012	5 जून	1 जून
2013	1 जून	3 जून
2014	6 जून	5 जून
2015	5 जून	30 मई



उम्मीद : इस बार छह फीसदी ज्यादा बारिश

मौसम विभाग के मुताबिक इस बार औसत से छह प्रतिशत अधिक बारिश होने का अनुमान है। यानी औसत 106 प्रतिशत होगी बारिश। जबकि स्काईमेट ने 109 फीसदी औसत बारिश का पूर्वानुमान लगाया है।

कल से आएगी तेजी : आईएमडी

भारतीय मौसम विभाग के महानिदेशक लक्ष्मण सिंह राठौड़ ने कहा कि दक्षिण-पश्चिमी मानसून आंध्र प्रदेश में ओगोल पहुंच गया है, लेकिन यह धीरे धीरे आगे बढ़ रहा है। जिसे आगे बढ़ने के लिए अनुकूल परिस्थिति नहीं मिली है। हालांकि 10 जून से इसमें तेजी आएगी।



फिलहाल : जून में 21% कम बारिश

अभी तक जून के महीने में हुई मानसून की कुल बारिश की बात करें तो अभी बारिश सामान्य के मुकाबले 21 फीसदी कम रिकॉर्ड की गई है, लेकिन जून खत्म होते-होते मानसून की ये कमी पूरी होने की पूरी संभावना है।

राजस्थान में भी देरी संभव : शर्मा

राष्ट्रीय भूगोल परिषद के पूर्व अध्यक्ष प्रो. एच. एस. शर्मा का कहना है कि आमतौर पर राजस्थान में मानसून 25 जून तक दस्तक देता है। हालांकि पिछले दो साल से इसमें देरी हुई है। इस बार समय पर आने की उम्मीद थी, लेकिन गोवा, कोंकण क्षेत्र में उच्च और निम्न बायुदाब की विशेष दशाओं के चलते मानसून सक्रियता की गति प्रभावित हुई है। इससे कुछ देरी हो सकती है। हालांकि इस दौरान पश्चिमी विक्षोभ के कारण कहीं-कहीं बारिश हो सकती है। उनका कहना है कि राज्य में बंगाल की खाड़ी और अरब सागर दोनों के मानसून का प्रभाव रहता है। पूर्वी हिस्से में अथवा ज्यादा क्षेत्र में बंगाल की खाड़ी से उठने वाले मानसून का असर रहेगा।

1 करोड़ 30 लाख टन गिरा खाद्यान्न उत्पादन

कमजोर मानसून के कारण खाद्यान्न पैदावार वर्ष 2014-15 (जुलाई से जून) में घटकर 25 करोड़ 20 लाख टन रह गई जो 2013-14 में 26 करोड़ 50 लाख टन के रिकॉर्ड स्तर पर थी। इस बार 25 करोड़ 31 लाख टन पैदावार होने का अनुमान है।

News item/letter/article/editorial published on June-17-16-2016 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.

राजधानी में अगले हफ्ते बारिश के आसार

17-6-16

नई दिल्ली | प्रमुख संवाददाता

आने वाले सप्ताह में 21 व 22 जून को दिल्ली व आसपास के इलाकों में अच्छी बारिश दर्ज की जा सकती है। शुक्रवार से अगले तीन दिन आसमान में बादल रहेंगे पर बारिश की संभावना नहीं है। शुक्रवार

को सुबह के समय आसमान में बादल व कुछ धुंध दर्ज की जा सकती है। अधिकतम तापमान 38 डिग्री सेल्सियस व न्यूनतम तापमान 29 डिग्री सेल्सियस के करीब दर्ज किया जाएगा। मौसम वैज्ञानिक समरजीत चौधरी ने बताया कि पश्चिम बंगाल में एक सिस्टम बन रहा

है। यह मध्य भारत होते हुए दिल्ली पहुंचेगा। 21 व 22 जून को दिल्ली व आसपास के इलाकों में अच्छी बारिश की संभावना जतायी जा रही है। अगले सप्ताह अधिकतम तापमान 38 डिग्री सेल्सियस व न्यूनतम तापमान 30 डिग्री सेल्सियस रहने की संभावना है।

दिनांक 17 जुन 2016 को प्रकाशित समाचार पत्रों में प्रकाशित मानसून/बाढ़ सम्बन्धी समाचार

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

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

The Deccan Herald (Bengluru)
The Deccan Chronicle (Hyderabad)
Central Chronicle (Bhopal)

Sultry day as pre-monsoon rains elude Delhi, max temperature 37 °C

Press Trust of India

■ letters@hindustantimes.com

NEW DELHI: It was a sultry day in the national capital even as the mercury settled at 37.3 degrees Celsius, two notches below normal for this time of the year.

The minimum in the city was recorded at 28 degrees and humidity level between 41 and 75 per cent.

The maximum day temperatures in the other three metropolitan cities of Kolkata, Chennai and Mumbai settled at 34.8, 37.6 and 34.3 degrees.

Heavy pre-monsoon showers on Thursday lashed northern states, barring Delhi, dragging the maximum temperatures several notches below normal even as Kashmir reported two deaths with high-velocity winds sweeping the region, damaging structures and uprooting trees.

Pre-monsoon rains lashed many parts of Punjab and Haryana, causing mercury to dip by few notches. Chandigarh received a heavy downpour overnight and the sky was cloudy during the day.

Hindustan Times (Delhi)
 नवभारत टाइम्स (दिल्ली)
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 हिन्दुस्तान (पटना)
 The Deccan Herald (Bengluru)
 The Deccan Chronicle (Hyderabad)
 Central Chronical (Bhopal)

The Hindu - 16 June | WARD WATCH |

The Assembly polls are just over and a new government is in place. But, it will soon be time to vote again. Elections for the local bodies, the last line of governance, are likely to be held in October. Here, we give you valuable nuggets of information about your neighbourhood, so you will be prepared when the time comes to ink your other forefinger

Yet to shake off flood impact



ON RECOVERY PATH: TNHB flats near Adyar River at Kotturpuram. — PHOTO: M. KARUNAKARAN

S. POORVAJA

A majority of the residents in Ward 172 who reside at Kotturpuram, Chitra Nagar, Surya Nagar and Lake View Road have stark memories of the devastation that the floods wreaked there. And the aftermath has left a trail of civic issues which need to be addressed, they say.

While the majority of the areas under the ward are on the banks of the Adyar River, educational institutions which include Anna University, Anna Centenary Library, Birla Planetarium and other educational institutions dot the landscape there which is a contrast of slums, housing board apartments and up-market residential localities.

"While more than half of the residents here have shifted to Perumbakkam in parts of Surya Nagar, there are still more than 100 families who are staying here because we do not want to leave our livelihood as well as education opportunities available to our children. As a result of the evacuation, there have not been much improvement works carried out," said R. Vishesh, a resident there.

Stating that they were

The aftermath of flood has left a trail of civic issues which need to be addressed, say residents

low-income families who largely depended on the facilities provided by the Corporation, he pointed out that the ICDS centre there for children and a gymnasium which had been damaged by the rains were yet to be repaired.

"The wall of a graveyard here which collapsed during the rains is yet to be repaired and the residents have been asking for it to be rebuilt for a while now," said Dhevaki, another resident there.

A section of residents in a few of the localities in Kotturpuram have taken garbage segregation and improving general cleanliness into their own hands. "We started a 'Swacch Kotturpuram' initiative and cleaned areas near bins as well as painted walls near them. While we are trying to motivate residents to

segregate garbage, as a long-term solution, the corporation can pitch in by helping us set up a vermin-compost unit as we have already identified some space for the same," said Chandra Prabhakar, Treasurer of the Nawab Gardens Residents Welfare Association.

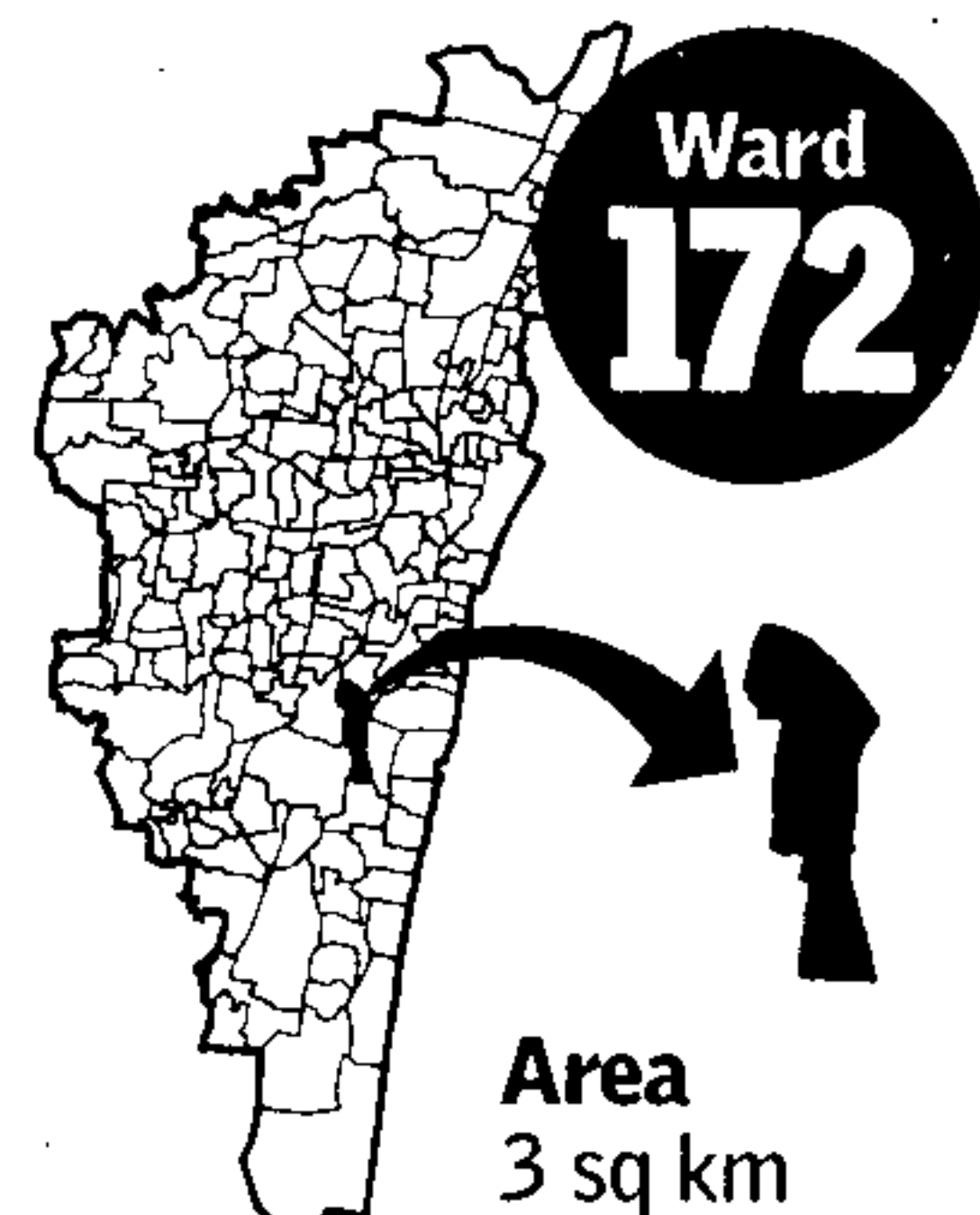
While the congested lanes at Kottur are filled with retail outlets and vendors selling fruits, vegetables and other items on the sides of the road, Councillor G. Kandhan said that they would soon be shifted to the newly constructed complex of 43 shops that the corporation had constructed in Erikarai Salai.

"At the start of my tenure, I had also helped re-construct six buildings at the Kotturpuram Housing Board which were in a dilapidated condition. We are now working towards laying tar roads in parts of Kalinkundram as residents did not want cement roads which were getting damaged by the constant movement of water tankers which supply water there," he added.



Councillor
 G. Kandhan, AIADMK,
 94454 67172

JE: 94451 90772



Zone: Adyar

Key boundaries
 Kotturpuram, Chitra Nagar, Pallipatti, Kalikundram, West Canal Bank Road, Varadapuram



Population
 45,000



Voters
 35,000



Number of Streets
 75



Bus routes
 Kotturpuram, Kottur, Gandhi Mandapam, Madhya Kailash



No. of parks
 3



Gymnasiums
 3



Playground
 1



Ration shops
 2



Major civic issues
 Need for garbage segregation, maintenance of streetlights in residential localities, tar roads, repairs to infrastructure damaged by floods

दिनांक 1.6.51-1.2.01 के दिनों में प्रकाशित समाचार पत्रों में प्रकाशित मानसून/बाढ़ से संबंधी समाचार

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

The Assam Tribune (Guwahati)
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The Deccan Herald (Bengluru)
 The Deccan Chronicle (Hyderabad)
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दिनांक 16.5.1, 2016 को निम्नलिखित समाचार पत्रों में प्रकाशित मानसून/बाढ़ सम्बन्धी समाचार

Hindustan Times (Delhi)
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DH - 16 June

Evening showers cause waterlogging, traffic jams

BENGALURU, DHNS: After cloudy and windy weather throughout the day, the city witnessed rain in the evening. The downpour resulted in severe traffic jam and waterlogging in many parts of the city on Wednesday.

Vehicular movement came to a halt at KG Road, Town Hall, Shoolay Circle, MG Road, Residency Road, Richmond Circle, Shanthinagar, Koramangala, BTM Layout, Banashankari, Sarakki, Ittamadu, Chamarajpet, Avenue Road, Chickpet and surrounding places. There were reports of power outages in some parts of the city.

The BBMP control room received calls on the waterlogging in some parts of the city including Khoday's Junction near Majestic. The BBMP authorities kept their Prahari teams on alert following rains in the city. According to the India Meteorology Department the city recorded 14 mm rainfall in just one and half hours while the HAL airport experienced 5.4



A biker struggles through an inundated underpass near Le Meridien Hotel. DH PHOTO

mm of rain till 8.30 pm.

The IMD has forecast light to moderate rainfall at many places in the coastal districts and light rain at isolated places in North Interior and South Interior Karnataka, over the next

48 hours. For Bengaluru city, the IMD has forecast generally cloudy sky with one or two spells of rain. The maximum and minimum temperatures would be around 29 and 21 degrees Celsius, respectively.

दिनांक 16.05.2015 को निम्नलिखित समाचार पत्र में प्रकाशित मानसून/बाढ़ सम्बन्धी समाचार

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|----------------------------|--------------------------------|------------------------------------|
| Hindustan Times (Delhi) | The Assam Tribune (Guwahati) | The Deccan Herald (Bengluru) |
| नवभारत टाइम्स (दिल्ली) | The Times of India (Mumbai) | The Deccan Chronicle (Hyderabad) |
| The Tribune (Chandigarh) | The Telegraph (Kolkata) | Central Chronical (Bhopal) |
| The Hindu (Chennai) | हिन्दुस्तान (पटना) | |

A DRIZZLE OF RELIEF

S L Shanth Kumar



While monsoon is yet to arrive, certain parts of south Mumbai witnessed pre-monsoon showers on Wednesday. The maximum temperature, however, continued to remain around 34°C