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# It's a slow start for clean Ganga mission

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## CLEANING PROJECT: REPORT CARD

### Status of 'Namami Gange' programmes

**May, 2015:** Approved the 'Namami Gange' programme with an outlay of Rs 20,000 crore for a five-year period

**July 7, 2016:** Launched 231 projects under phase-I

### 193 out of 231 projects are entry-level activities

Ghats (river fronts) | 123

Crematoria | 65

► Trash skimmer for surface cleaning — Five (Ganga river — Kanpur, Allahabad, Varanasi and Patna; Yamuna river — Mathura)

**August 13, 2016:** Launched smart Ganga city scheme in 10 cities under Phase-II

**These cities are:** Haridwar, Rishikesh, Mathura-Vrindavan, Varanasi, Kanpur, Allahabad, Lucknow, Patna, Sahibganj and Barrackpore

► These cities are chosen for infrastructure development for sewage treatment

### Medium-term activities

Sewage Treatment Plant | 8

Drain Interceptor Project | 1

Pilot Drain Project | 6

Remaining projects are related to afforestation, bio-diversity centre and plantation of medicinal plants

**New Delhi:** The Centre has been focused on its ambitious Ganga rejuvenation plan but it has so far only launched entry-level activities, including modernisation/construction of 'ghats' (riverfronts), crematoria and surface cleaning. Work on medium-term projects like municipal sewage and industrial effluent management through sewage treatment plants (STPs) and common effluent treatment plants (CETPs) have not yet picked up. The scale of the work, ensuring such facilities in as many as 118 towns/cities, needs massive coordination among five states through which the Ganga flows.

The list of the projects, which were launched on July 7 under phase-I of the 'Namami Gange' programme, shows that 193 out of 231 projects are related to ghats/crematoria development and surface cleaning. The list includes only eight STPs, one drain interceptor project and six pilot drain projects among other activities which will have long-term effects.

Though entry-level activ-

ities are important and it will present some 'visible' change in the next 12 to 18 months, the government will be able to achieve the final and long-term goal of Ganga cleaning only after acting fast on its medium-term projects including STPs in 118 towns/cities.

According to details of the 'Namami Gange' programme,

32 out of 118 towns have so far been surveyed for the purpose while pre-feasibility reports of another 32 have been prepared. Besides, real-time effluent monitoring stations have been installed in 508 out of 764 grossly polluting industries along the Ganga and public outreach activities have been initiated in many villag-

es in five states (Uttarakhand, Uttar Pradesh, Bihar, Jharkhand and West Bengal) along the river. These details are part of the presentation on 'Namami Gange' programme made by mission director of National Mission for Clean Ganga (NMCG) Rajat Bhargava at a workshop organised by the high commission of Canada this month.

It is expected that the recently launched 'smart Ganga cities' plan will give a fillip to the government's efforts to have adequate sewage treatment infrastructure in urban areas. The NMCG has chosen 10 cities — Haridwar, Rishikesh, Mathura-Vrindavan, Varanasi, Kanpur, Allahabad, Lucknow, Patna, Sahibganj and Barrackpore — for infrastructure development for sewage treatment under this plan.

This will be implemented on the hybrid annuity mode based on PPP model. In the hybrid annuity model, a part of capital investment (up to 40%) will be paid by government through construction linked milestones and the balance amount through an annuity over the contract duration up to 20 years to ensure longevity.



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# Bihar flood toll 156 <sup>29</sup> <sub>29</sub>

## 5.56 lakh people rescued from 12 flood-affected districts

NEW DELHI: With three more deaths reported on Sunday, the toll in Bihar rose to 156 as there was no let up in the flood situation in the State while in neighbouring Uttar Pradesh the Ganga continues to flow above the danger level.

In Bihar, the three deaths were reported from Samastipur while twins were born on an NDRF rescue boat in Patna.

The Ganga is flowing above the red marks in four districts.

An NDRF release said they got a request from the family members of Rekha Devi (25) for help. Within 50 minutes, an NDRF team reached Bihar's Chandrapura village to shift the pregnant woman to Mohanpur primary health centre but she gave birth to twins on board. The newborns and the mother were admitted to the PHC.

Chief Minister Nitish Kumar inspected relief camps in Bhagalpur. He later reached Purnea where he held a meeting with top officials. He will visit Katihar tomorrow.

Almost 5.56 lakh people have been rescued so far from the 12 flood-affected districts. The government is plying 2,821 boats for evacuation.

In Uttar Pradesh, the Ganga and Yamuna rivers have been receding with no fresh rainfall but they are still flowing above their respec-



Union Minister of Law & Justice Ravi Shankar Prasad with a flood-affected child at a relief camp at Bakhtiyarpur in Patna district of Bihar. - PHOTO: RANJEET KUMAR

tive danger marks at several places.

About 8.7 lakh people in 987 villages in Varanasi, Allahabad, Ghazipur and Ballia remain affected due to floods. The State government has alerted the health department for outbreak of any disease.

According to a Central Water Commission report, river Ganga is receding everywhere in the State but is still flowing above danger mark at Varanasi, Ghazipur and Ballia.

The flood situation in West Bengal's Malda district remained unchanged with the Ganga water level standing static at 48 cm above the extreme danger level.

Additional District Magistrate Kanchan Chowdhury

said over 5,550 families in 45 villages are affected.

In Rajasthan, heavy rainfall occurred at isolated places in Kota, Udaipur and Jodhpur divisions. Light to moderate rains at many other areas in the state.

Keshoraipatan in Bundi recorded maximum of 14 cm rains followed Pirawa in Jhalawar (at 11 cm) till Sunday morning since Saturday while Kota registered 10 cm precipitation.

The Met department has issued heavy rainfall warning at isolated areas tomorrow.

Several places in Himachal Pradesh received heavy rains with Dharamshala being the wettest (106 mm rains) while Jogindernagar received 80 mm rains. - PTI

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## Water level in North Indian reservoirs lower this year

Punjab, Haryana, HP received below-normal rainfall

**VIJAY MOHAN**  
TRIBUNE NEWS SERVICE

CHANDIGARH, AUGUST 28

The northern region is the only part of the country where the water level in major reservoirs remains below last year's level, as the monsoon in Punjab, Haryana and Himachal has been notably below normal this year.

Latest data compiled by the Central Water Commission (CWC) reveals that the current storage available in six reservoirs in the northern region is 12.97 billion cubic metres (BCM), which is 72 per cent of their total storage capacity. The storage during corresponding period last year was 91 per cent and the average storage of last 10 years during this period was 75 per cent.

In the western, central and eastern regions, storage

is better than last year as well as the average of last 10 years, while in the southern sector, the storage is better than last year but lower than the 10-year average.

Water levels in reservoirs located in Himachal are 16 per cent below normal, while in Punjab, though the level at present is nine per cent above normal, it is still below last year's storage. The storage at Bhakra Dam and Pong Dam in Himachal is, at present, 64 per cent and 65 per cent of their capacity as compared to 91 per cent and 92 per cent, respectively, last year. Thein Dam in Punjab is filled up to 72 per cent of its capacity vis-a-vis 80 per cent last year.

Reservoirs in this region are dependent on rain and snow melt. The monsoon in the

aforementioned three states has been less than expected. Indian Meteorological Department's data shows that till this evening, Punjab had received a total of 325 mm rain this season against the normal of 393.1 mm, with the deficiency being 17 per cent below normal.

Rains in Haryana were deficient by 24 per cent, with the state receiving 285.9 mm rain against the normal of 370.5 mm. Himachal has a rain deficiency of 16 per cent. Lahaul Spiti in Himachal is the driest district in this region this year, with the monsoon being 79 per cent below normal, followed by Kurukshetra in Haryana with a deficiency of 70 per cent and Ferozepur in Punjab with 67 per cent deviation below normal.



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## A.P. gets 36 tmcft, Telangana 15 tmcft of Krishna water

M. RAJEEV

**HYDERABAD:** In a significant decision, the Krishna River Management Board (KRMB) has allocated 36 tmcft of water to Andhra Pradesh and 15 tmcft to Telangana for September.

The allocations are against the 47 tmcft requisitioned by Andhra Pradesh and 40 tmcft sought by Telangana on Friday. The allocation to Andhra Pradesh had been on the higher side as the state insisted that it would need more water during September, but the Board asserted that the 63:37 ratio would ultimately be maintained between the two States.

The decision was taken at a meeting of the three-member committee, comprising KRMB member-secretary

Sameer Chatterjee and engineers-in-chief of Telangana and Andhra Pradesh C. Muralidhar and M. Venkateswara Rao here on Saturday. The panel met again on Saturday as the Board could not arrive at a consensus on Friday.

At the close to two-hour meeting, it was decided to maintain the 63:37 ratio for next month. Of the 15 tmcft allocated to Telangana, 12 tmcft would be for the Nagarjunasagar left canal and 1.5 tmcft each for meeting the drinking water requirements of Hyderabad, and the A. Madhav Reddy irrigation project.

Of the allocation made to Andhra Pradesh, 10 tmcft each would be released for the Krishna delta system and the Pothireddypadu and Nagarjunasagar right canal,



The allocations are against the 47 tmcft requisitioned by Andhra Pradesh and 40 tmcft sought by Telangana on Friday. An aerial view of Prakasam Barrage in Vijayawada. — FILE PHOTO

four tmcft to Handri-Neeva Sujala Sravanthi, and two tmcft to the left bank canal.

"For the time being, the requirement of Andhra Pradesh is more. Ultimately, we will maintain the ratio," Mr. Chatterjee said. He said the

discussion point on Saturday was confined to September, and a similar meeting would be held in the last week of next month to finalise releases for October.

Sources said the requirement of Telangana had been

brought down significantly as the state had decided to defer the release of water to Khammam.

The meeting had resolved to strike a balance as the prospects in the season were not encouraging so far. "We have to calculate keeping the barest minimum requirements for the season and ensuring survival of the standing crop," said a member.

The meeting did not discuss consumption by minor irrigation sources in the two States as a sub-committee had been constituted to examine it. The sub-committee is expected to submit its report within 15 days based on which the Board would take a view on the overall distribution of water between the two riparian States.

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# Monsoon returns with forecast for heavy rains

DC CORRESPONDENT  
HYDERABAD, AUG. 25

After a break in the monsoon, Hyderabad received rains on Thursday afternoon.

The Met department has issued a heavy rainfall warning for Coastal Andhra Pradesh while light to moderate rainfall in Telangana is expected in the coming days. The two states will continue to receive rains for the next four-five days.

Malakpet, Kothapet, Banjara Hills, Saroor Nagar, Aman Nagar, Rahmat Nagar Colony, Rain Bazaar, Chandrayangutta Road, Begumpet, Neerdm, Yaprall and ECIL received rains on Thursday.

Though it rained during non-peak hours, the pot-hole-filled roads brought down vehicle speed, the

■ **HEAVY** rainfall warning for coastal AP and light to moderate rainfall for TS is expected

■ **AREAS** that saw rain on Thursday were Malakpet, Kothapet, Banjara Hills, Saroor Nagar, Aman Nagar, Rahmat Nagar colony, Rain Bazaar, Begumpet etc.

drizzles also caused traffic jams after 5 pm. For Hyderabad, the Met department has forecast generally cloudy skies with one or two spells of rain. Maximum and minimum temperatures are likely to be around 31 and 23°C. In Telangana, Nalgonda, Adilabad,

Nizamabad and Khammam districts received good rains on Thursday. However there is no heavy rainfall warning for TS.

Meanwhile in Andhra Pradesh, except for coastal areas, it remained dry in most parts of the state Thursday.

However, in the last 24 hours most parts of the state recorded few good showers. From 08:30 am on Wednesday, Machilipatnam received 12 mm rainfall, Vijayawada 4.4 mm, Ongole 3.6 mm and Vishakhapatnam and Kakinada 0.3 and 0.2 mm of rain respectively.

Andhra Pradesh till now has received 11 per cent less rains than normal. However, possibility of rains over the region in the coming days is likely to reduce this shortfall.



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## Public, farmers can get flood forecast on mobile phones

Ajith Athrady

**NEW DELHI, DHNS:** Four years from now, people will get flood alerts on their mobile phones, if the Centre successfully implements the National Hydrology Project on time.

The Ministry of Water Resources began the execution of its ambitious National Hydrology Project (NHP) pro-

gramme, which aims to provide real-time flood forecasts for the public as well as disseminate water data information for the farmers to help them plan their cropping pattern in a better way.

The first stage of the multi-purpose NHP, which has an outlay of over Rs 3,679 crore, will be implemented in 2016-2020, and the second stage

will be executed between 2021 and 2024, covering the entire country.

According to the scheme, an independent agency, National Water Informatics Centre, under the Ministry of Water Resources, will collect all water-related data using various information systems and technologies, including remote-sensing.

The government plans to use the data to increase the lead time in flood forecasting from one to at least three days and assess map flood inundation areas and surface and groundwater resources in a river basin for better planning.

The idea behind it is to integrate all information about water in the country, be it rivers, dams, reservoirs, surface wa-

ter or groundwater, and then plan its management and usage, said an official from the Water Resources Ministry.

"The project will help in the development of real-time flood forecasting and reservoir operations in a manner that does not result in the sudden opening of gates leading to the inundation of the areas below," said an official.

In case of a flood or opening of reservoir gates, the government can disseminate the information via SMS or various media, which will help people move to safer places.

The project will help in the gathering of hydro-meteorological data, which will be stored and analysed and seamlessly accessed by any user, the official said.

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## Govt circulates mythology handbook to clean Ganga

**Neelam Pandey**

■ neelam.pandey@hindustantimes.com

**NEW DELHI:** What does it take to clean the Ganga?

People's participation, according to the government, and, a heavy discourse on the divine origin of the river that sustains 46% of India's population.

A handbook on the river brought out by the NDA government draws heavily from Hindu mythology, apparently turning the massive exercise of cleaning the river into a sermon.

The Narendra Modi government is spending ₹20,000 crore over the next few years to clean the 2,525 km-long river.

Here are some samples from the book, published by the National Literacy Mission Authority under the human resource development (HRD) ministry:

When a person on death bed drinks 'Gangajal', it reduces his pain, gives "peace" to the soul after death, and brings "moksha" (salvation), says the book titled Ganga Rahi Pukaar.

"Think of how much 'tapasya' our ancestors did to bring Ganga to Earth!", it says, giving a detailed account of the mythical fight between "devtas" and "daityas" and the role of Lord Shiva

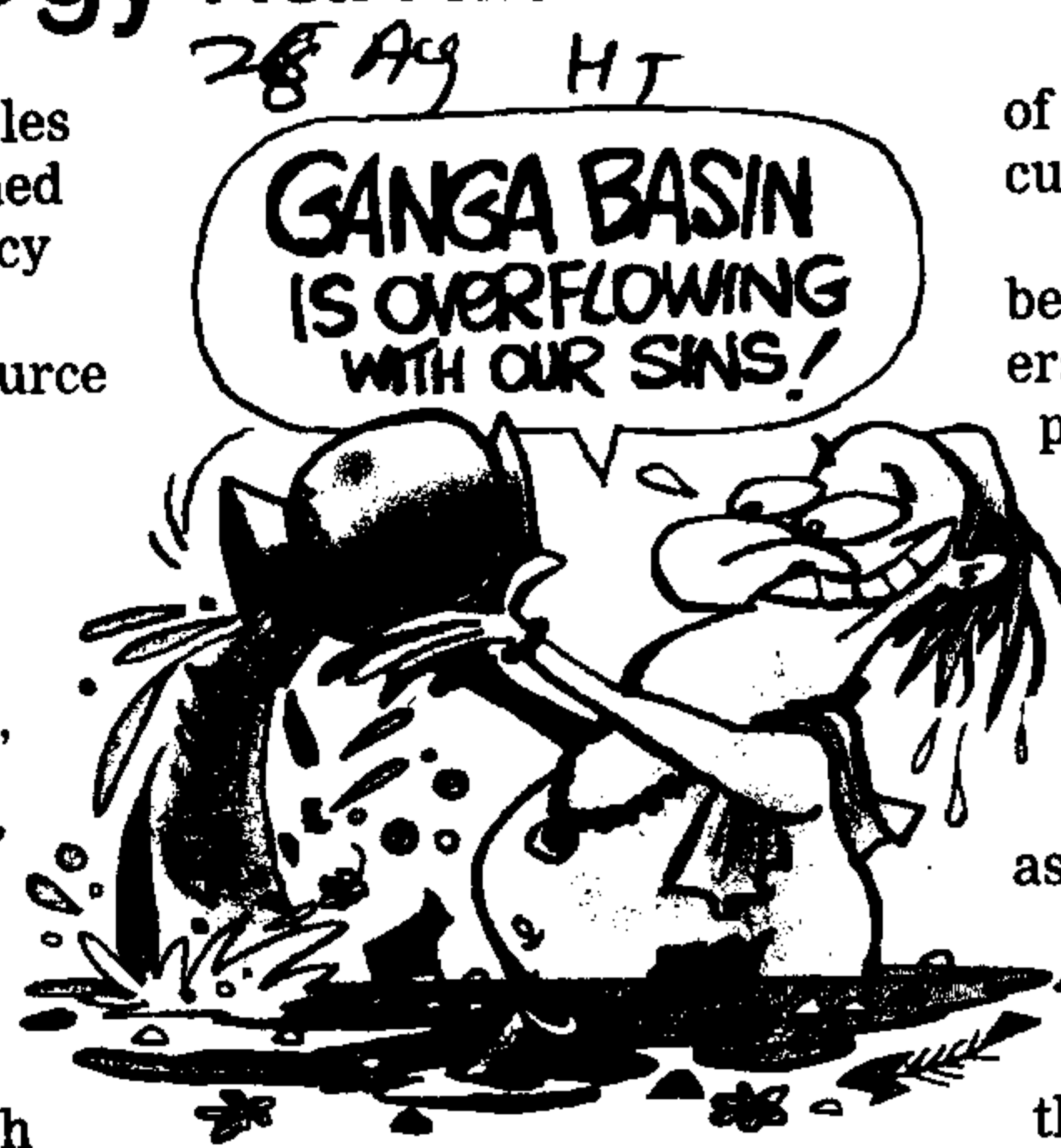


Illustration: JAYANTO

in the exercise.

Characters from villages tell stories — largely mythical — about Ganga and "bacteria-killing" quality

of the river and its curative properties.

About 10,000 copies have been distributed for trainers of the adult education programme, gram panchayats and volunteers to create awareness.

"The idea is to ensure villagers take ownership of the river and treat it as their own. The stories that are there in the book are meant to not only educate but hold their interest too. A committee that had representation from all religions was formed for the content of the book," said a senior official of the HRD ministry, rejecting any religious slant in the book.



# Floods, Brahmaputra and reservoirs

The Assam Tribune 27 Aug

**Nikhil Chandra**

In the Workshop on Thrust Areas of 100 Days Agenda of Chief Minister, Assam, for the Water Resources Department, held recently in Guwahati and which included the who's who from the academic and technocratic world, the Chief Minister who inaugurated the workshop was very optimistic and intended that at the end of the workshop, a permanent solution for floods of the mighty Brahmaputra could be arrived at.

On that line, a presentation was made which gave a plausible solution for the Assam floods. In the past at these workshops, surely, the total quantity of flood or excess water to be stored has already been calculated, the quantity of silt also has been calculated, the number of rivers from the north and south has been counted, the varying width of the Brahmaputra has been measured and the flora and fauna and sedimentation studies done just to put the basic facts and data in place. What we have proposed is to make the Brahmaputra riverbed itself into a reservoir. The main river will function as the best storage system.

What is often too simple is ignored and, therefore, many studies are carried out to find land to contain close to 60-80 thousand cumecs of water. Where can we find that much of land to store the water outside of the Brahmaputra? Next was the issue of the 120 tributaries and distributaries that locally bring in the flood (approx. 20,000 cumecs) and silt into the main river adding to the already swollen river. The phenomenon of flash floods is often experienced. So somewhere these rivers need to be intersected and trained at the source much away from the Arunachal border along the Assam foothills. This

can be done making a linear dynamic reservoir canal of some 200 metres wide. This will need land, though in compensation we can bring in a train line and an expressway over the embankments so built which will fund the project as well as provide in situ employment to the dislocated locals. In today's time, a multipurpose flood solution is the way forward. With some cynicism one can say that the

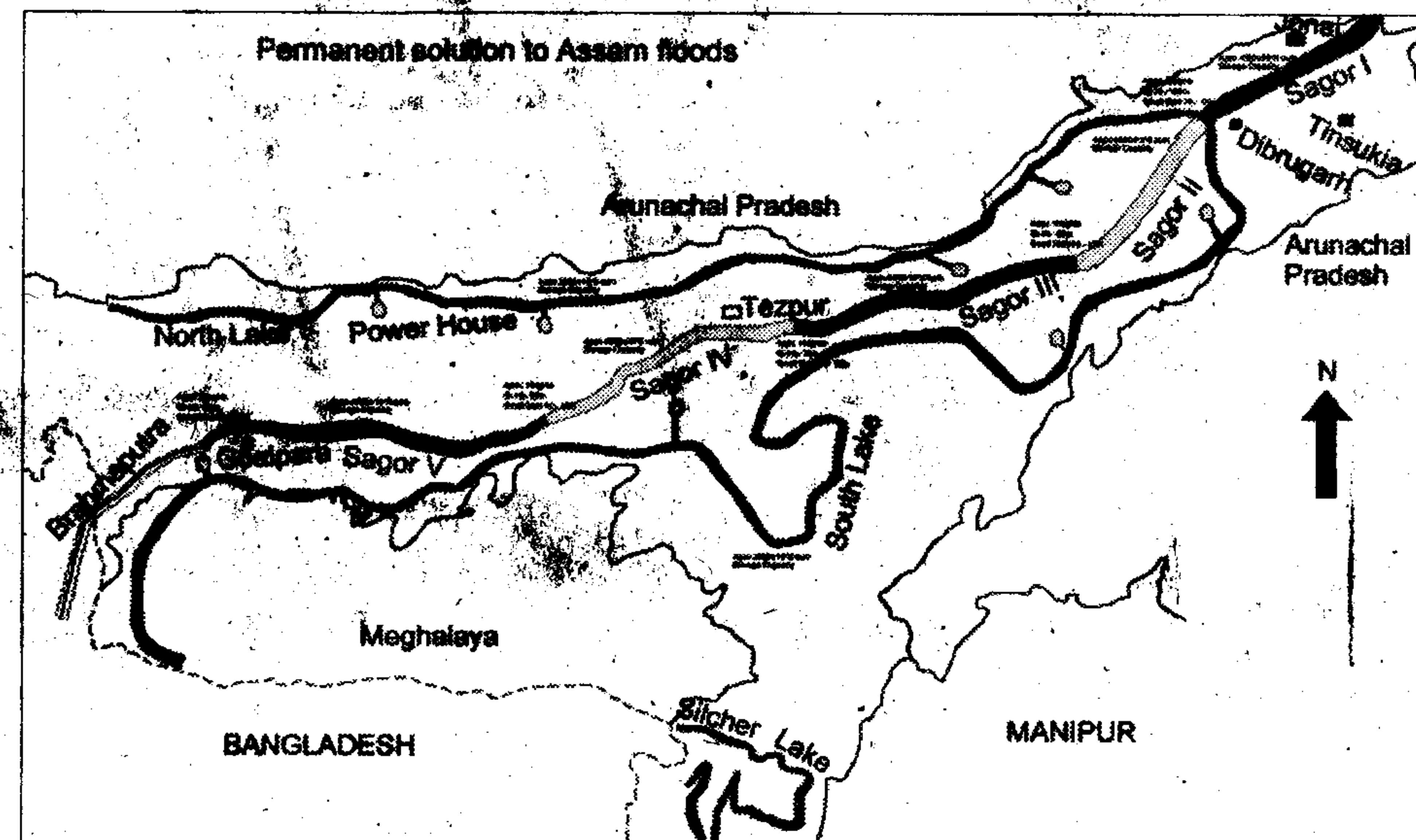
comes. This spillway will be six metres in height approximately. The lean period water level of the river is 1.5 metres. It is during the rainy season from May to October that the river has 2-3 metres of water level. The spillway dam will contain most of the water and arrest the velocity to deposit the major silt there itself. The next step will be the removal of this silt. This spillway will submerge during heavy discharge, it may remain submerged for 45 days approximate-

in the river course will permanently end. Impervious core is a technique which is used to make the foundation of dams. This is proposed not only in the five dams' locations as indicated in the illustrative diagram, which are perpendicular to the gradual rising water flow of the Brahmaputra, but also in the proposed parallel river embankments. One of the main reasons for the breach of embankments in Assam as well as in Bihar is the fact that these embank-

the tributaries coming from the north and south side into the main river. This will perhaps also enable the Subansiri hydel project to function without any fear of creating havoc in Assam.

Over the embankments of these linear dynamic reservoirs, care will be taken on the north canal reservoir to have less curves and gradual curves which will increase the possibility of designing a bullet train track on one side of the embankment and a high-speed expressway on the other side. These will be high revenue generating endeavours. Bullet trains need elevated corridors and when mainland India can think of proposing an exclusive high-speed rail corridor, why don't we design a solution to the Assam floods where the Indian Railways will look at the possibility of making a one-of-its-kind train track in Assam? This infrastructure can also be used for freight and heavy load.

It has been observed that the natural or normal carrying capacity of the river Brahmaputra is around 30000 cumecs and any volume over this leads to the flood condition. The peak discharge of the river on the Bangladesh border has been assumed at 100000 cumecs, though this has occurred rarely in the recent past, maybe due to the changing global climatic conditions. This difference of 70000 cumecs will need to be contained in a separate structure as the reservoirs in the bed of the river Brahmaputra will not be sufficient. A linear dynamic reservoir at a contour height of 105 metres parallel to the north and south boundaries of Assam with an approximate length of 700 km can do the job. This reservoir will not only contain the excess water but will also restrict



revenue generation component may look a distant dream but a project as huge as this has to be self-sustainable financially.

With the main river getting converted into reservoirs at five different locations, the land will be reclaimed permanently and the reclaimed land's fertility can be upgraded for agricultural purposes technologically.

To describe the project briefly, it is proposed to build a low spillway dam at 112 metres from the mean sea level. This spillway will be on both the Brahmaputra as well as the Lohit rivers and will contain the major silt that

ly. At the time of designing this spillway, there will either be a track or a road which will have a small road-crossing as well as a mechanism which will dredge the silt collected on the eastern side or the reservoir side of the spillway dam. Flushing the silt using river water can be another way of de-siltation.

Once the river is contained within embankments having an impervious core, the rivulets and streams which are made in the riverbed, which is often a topic of extensive research work, will submerge in the reservoir and, therefore, the whole study of forecasting an unpredictable change

charge of the river on the Bangladesh border has been assumed at 100000 cumecs, though this has occurred rarely in the recent past, maybe due to the changing global climatic conditions. This difference of 70000 cumecs will need to be contained in a separate structure as the reservoirs in the bed of the river Brahmaputra will not be sufficient. A linear dynamic reservoir at a contour height of 105 metres parallel to the north and south boundaries of Assam with an approximate length of 700 km can do the job. This reservoir will not only contain the excess water but will also restrict

The lake reservoirs both in the north and south reservoir canals as well as in the Brahmaputra itself will make for perennial water source for fisheries and tourism. It is calculated that the combined revenue generated can easily offset the entire project cost at a net project value (NPV) of 18 years. With an NPV of 18 years, this is a solution which is technically and financially plausible. A similar structure is also proposed for the Barak Valley. This will also protect Majuli and the world famous Kaziranga National Park.

One of the main reasons that a project fails is due to lack of public awareness, at the initial stage itself, with the use of social media and the internet, a consensus can be generated with the entire flood solution shared and the population sensitized.

(The author can be contacted at seekniks@gmail.com.)



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## इच्छा है

२४ (५१)

जल संसाधन मंत्री उमा भारती आजकल जहां मौका मिल रहा है बताना नहीं भूल रही कि वह गंगा किनारे पद यात्रा करने वाली हैं। उन्होंने यहां तक कहा कि चाहे मंत्री पद छोड़ना पड़े मगर पद यात्रा करनी है। यही बात उन्होंने इलाहाबाद में गंगा पंचायत संबंधी कार्यक्रम में भी दोहराई जहां उनके मंत्रिमंडलीय सहयोगी नरेंद्र तोमर भी मौजूद थे। यहां उन्होंने कहा पता नहीं अगली बार वह किस हैसियत से आएंगी। मंत्री की या पद यात्री की। इस बयान ने, जाहिर है, पार्टी में तमाम चर्चाओं को जन्म दे दिया है। खास बात यह है कि पीएम मंत्रालय में उनके प्रदर्शन से खुश नहीं हैं और वह खुद बाहर होने की भूमिका बना रही हैं। दूसरा उत्तर प्रदेश में चुनाव आ रहे हैं और भाजपा के पास मुख्यमंत्री पद के उम्मीदवार का टोटा है। झांसी से सांसद उमा जी की मुख्यमंत्री उम्मीदवार बनने की इच्छा जोर मार रही है।





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हिन्दुस्तान ( पटना )

The Deccan Herald ( Bengluru )  
✓ The Deccan Chronical ( Hyderabad )  
Central Chronical ( Bhopal )

# DC - 27 Aug Krishna sharing decision today

DC CORRESPONDENT  
HYDERABAD, AUG. 26

Sharing of Krishna water for Hyderabad continues to be a bone of contention between TS and AP, even as the Krishna River Management Board is learnt to have decided to allot 47 tmc ft for Andhra Pradesh and 39 tmc ft for Telangana state to meet the irrigation and drinking water needs for September.

However, a final decision in this regard will be taken by the Board's



three-member committee on Saturday.

The Hyderabad water issue came up in the Board meeting held here on Friday.

TS representative state

irrigation special secretary S.K. Joshi argued that since Hyderabad is the joint capital, both states should share Krishna water equally to meet drinking water

needs of city. However, AP opposed this.

Mr Joshi pointed out that nearly 1.50 tmc ft of water per month was required for Hyderabad alone and both states should share it equally. He sought release of six tmc ft for Hyderabad.

However, the Board failed to take any decision on this and stated that it would take a final decision on Saturday.

The meeting chaired by Board chairman Ram Sharan was attended by senior irrigation officials

of both the states.

The TS representative demanded release of 41 tmc ft from Krishna immediately to help farmers under Nagarjunasagar left canal ayacut.

They also sought implementation of telemetry method to monitor usage of water in irrigation projects.

However, the Board said it will send its three-member committee to Srisa- ilam project on August 29 and take a decision on where to fix the telemetry equipment.



डेनमार्क 29 अप्रैल को निम्नलिखित समाचार पत्र में प्रकाशित मानसून/ बाढ़ सम्बन्धी समाचार

Hindu Times ( Delhi )  
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# बाढ़ पीड़ितों ने मंत्री को बनाया बंधक

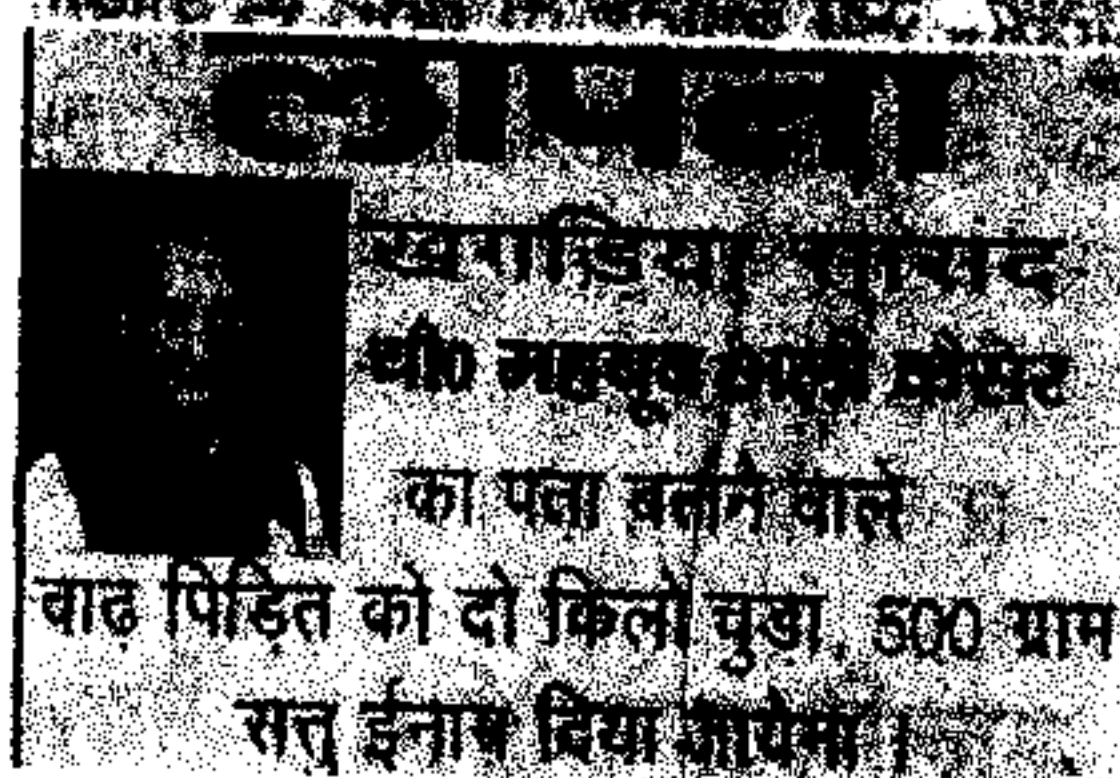
29 Apr 1987



## ■ एजेसिया, नई दिल्ली

केंद्रीय मानव संसाधन राज्यमंत्री व राष्ट्रीय लोक समता पार्टी (आरएलएसपी) सुप्रीमो उपेंद्र कुशवाहा को बिहार के वैशाली में स्थानीय लोगों ने बंधक बना लिया। कुशवाहा वैशाली के महनार थाना अंतर्गत हसनपुर में बाढ़ प्रभावित लोगों से मिलने गए थे। जानकारी के अनुसार कुशवाहा जैसे ही हसनपुर पहुंचे, बाढ़ पीड़ित अपनी समस्याओं को लेकर नाराजगी जाहिर करने लगे। वे राहत नहीं मिलने से नाराज दिखे। इसी दौरान स्थानीय लोगों ने उन्हें बंधक बना लिया। इस दौरान केंद्रीय मंत्री लाख समझाते रहे कि वे खुद बाढ़ पीड़ितों की समस्या से दुखी हैं और उनकी पीड़ा जानने ही उनके गांव पहुंचे हैं। लेकिन लोग सुनने को तैयार नहीं थे।

**बिहार में कहीं सूखा, कहीं बाढ़ :** बिहार अब बाढ़ के अलावा सूखे की मार भी झेल रहा है। राज्य के 12 जिलों में बाढ़ आई हुई है। वहीं दस जिलों में सूखे के हालात पैदा हो गए हैं। कई जिले ऐसे हैं, जो एक साथ बाढ़ और सूखे दोनों की परेशानी को झेल रहे हैं।



एलजेपी) सांसद चौधरी महबूब अली कैसर को लेकर बिहार के कई इलाकों में पोस्टर लगाए गए हैं, जिसमें कैसर को लापता बताते हुए दूढ़कर लाने वाले को बतौर इनाम दो किलो चूड़ा (चिड़वा) और आधा किलो सत्तु दिए जाने की घोषणा की गई है। चौधरी महबूब अली कैसर बिहार के खगड़िया से सांसद हैं।

**चारधाम यात्रा में मौसम बना विलेन :** उत्तराखंड की चारधाम यात्रा पर मौसम का खलल बरकरार है। रविवार सुबह केदारनाथ यात्रा को 7 घंटे बाद शुरू किया जा सका। बदरीनाथ मार्ग लामबगड के पास 4 घंटे रुका रहा जबकि गंगोत्री मार्ग भी यात्रियों को दिक्कत हुई।



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

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# Flood fury continues in Bihar, toll touches 153

## 4.97 lakh people evacuated so far from flood-hit districts

**NEW DELHI, PTI:** The death toll in Bihar rose to 153 on Saturday with four more fatalities as floods continued to ravage the state, while higher reaches of Himachal Pradesh experienced the season's first snowfall.

In West Bengal, the flood situation in Malda worsened with two fresh deaths reported from Kaliachak III block, taking the toll to four in the district.

Twelve more panchayat areas were inundated in Bihar, affecting a total population of 34.69 lakh in 12 districts.

Two deaths each were reported from Bhojpur and Begusarai, the disaster management department said.

Caused by a rise in the water levels in Ganga, Sone, Punpun, Burhi Gandak, Ghaghra, Kosi and other rivers, the floods have affected people in 2,037 villages under 565 panchayats of 74 blocks in the state, it said.

The Ganga, though showing a receding trend, is flowing above the danger mark at sev-

en places like Digha Ghat, Gandhi Ghat, Hathidah in Patna, Bhagalpur and Kahalgaon in Bhagalpur district, besides in Munger and Buxar districts.

A total 4.97 lakh people have been evacuated so far from the 12 flood-affected districts of Buxar, Bhojpur, Patna, Vaishali, Saran, Begusarai, Samastipur, Lakhisarai, Khagaria, Munger, Bhagalpur and Katihar, the release said.

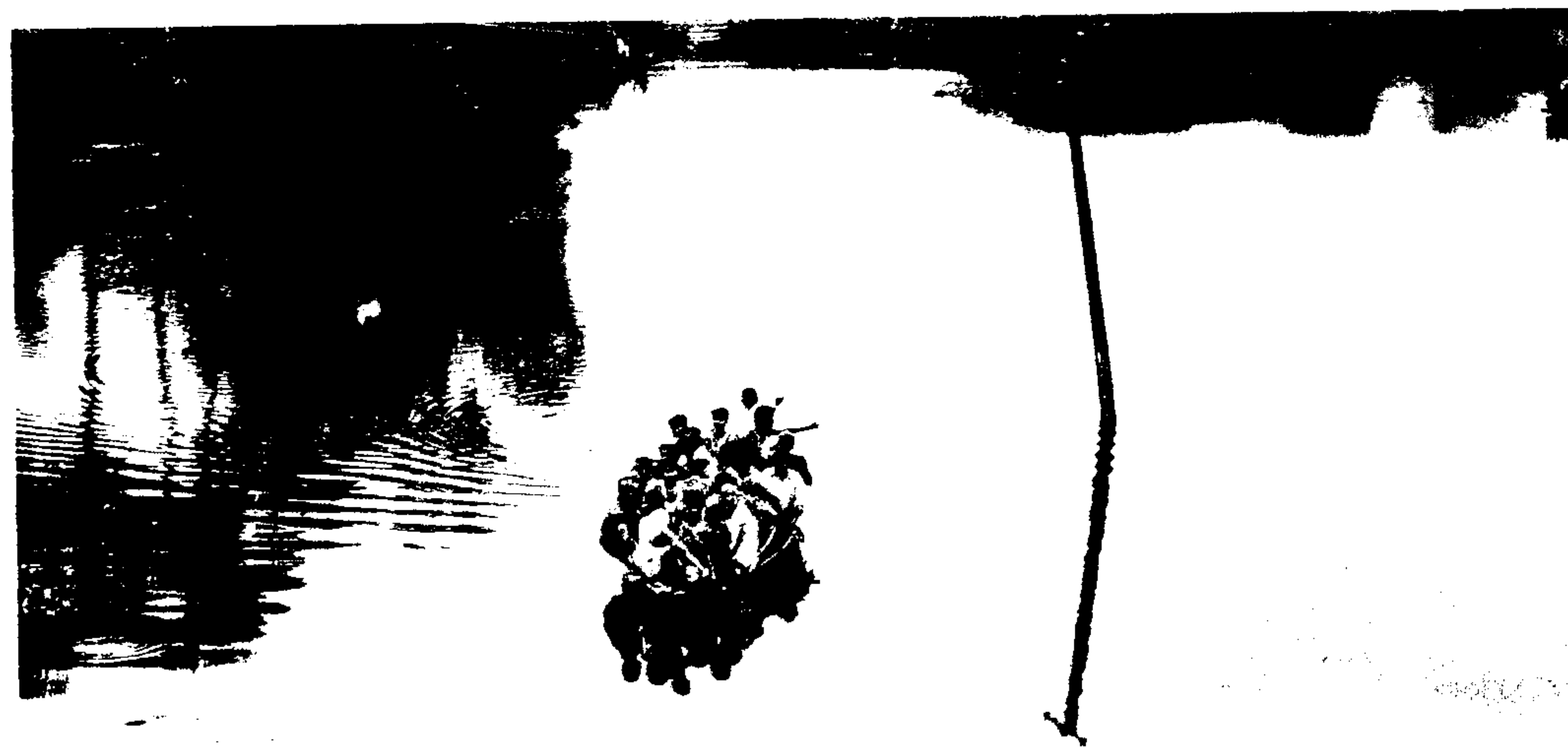
### In the national capital

New Delhi endured a sultry day with the mercury settling two notches above normal. Parts of Uttar Pradesh witnessed a fresh spell of rain even as several rivers continued to flow above the danger mark at many places.

At least 8.7 lakh people in 987 villages in Varanasi, Allahabad, Ghazipur and Ballia have been affected by the floods as the Ganga continues to flow above the danger mark in Fafamu, Chhatnag, Mirzapur, Varanasi, Ghazipur and Ballia.

Several parts of Himachal Pradesh were lashed by moderate to heavy rain as the Dhauladhar ranges in Kangra district and high-altitude tribal areas experienced the season's first snowfall.

Rain lashed various places in Punjab and Haryana as maximum temperatures hovered at below normal levels in some areas in both states.



**MONSOON FURY:** (Top) Children swim in the Ganga in front of a submerged temple in Allahabad; People being evacuated on a boat from Didarganj area in Patna to safer areas on Saturday. PTI

**At least 8.7 lakh people in 987 villages in Varanasi, Allahabad, Ghazipur and Ballia have been hit by the floods as the Ganga continues to flow above the danger mark**



Hindu Times ( Delhi )

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# *The Hindu* 28 Aug Flood fury stays unabated in Bihar

**With four more fatalities, death toll touches 153**

**NEW DELHI:** The death toll in Bihar rose to 153 on Saturday with four more fatalities as floods continued to ravage the State, while higher reaches of Himachal Pradesh experienced the season's first snowfall.

In West Bengal, the flood situation in Malda worsened on Saturday with two fresh deaths reported from Kaliachak III block, taking the toll in floods to four in the district. Twelve more panchayat areas were inundated in Bihar affecting a total population of 34.69 lakh in 12 districts.

Two deaths each were re-

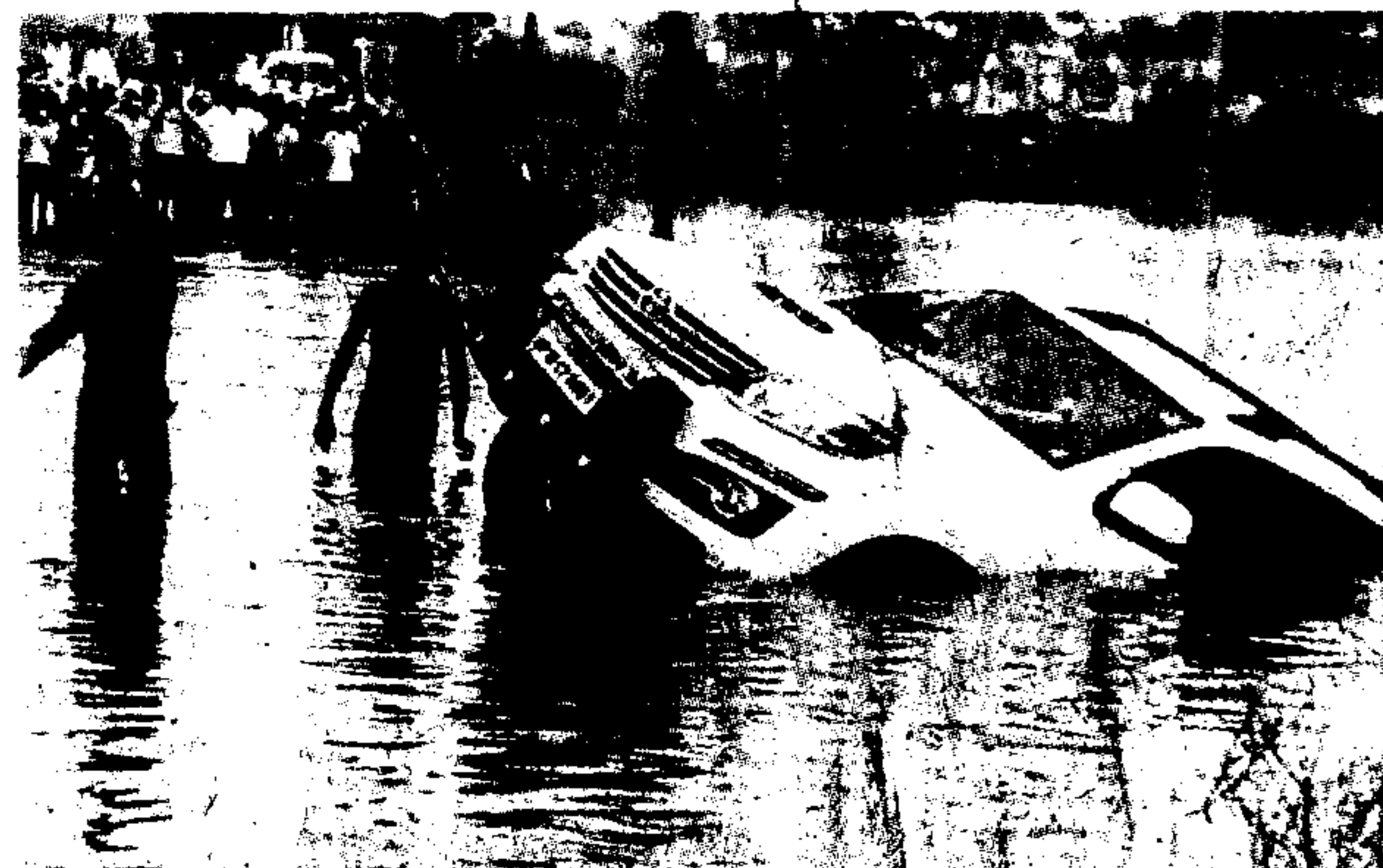
ported from Bhojpur and Begusarai, the Disaster Management Department said.

Caused by a rise in water levels in Ganga, Sone, Punpun, Burhi Gandak, Ghaghra, Kosi and other rivers, the floods have affected people in 2,037 villages under 565 panchayats of 74 blocks in the state, it said.

## **4.97 lakh people evacuated**

The Ganga, though showing a receding trend, is flowing above the danger mark at seven places — Digha Ghat, Gandhi Ghat, Hathidah in Patna, Bhagalpur and Kahalgau in Bhagalpur district, besides in Munger and Buxar districts.

A total 4.97 lakh people have been evacuated so far from the 12 flood-affected



**DEEP TROUBLE:** People attempt to pull out a vehicle from a flooded road in Allahabad on Saturday. — PHOTO: PTI

districts of Buxar, Bhojpur, Patna, Vaishali, Saran, Begusarai, Samastipur, Lakhisarai, Khagaria, Munger, Bhagalpur and Katihar, a department release said.

Parts of Uttar Pradesh wit-

nessed a fresh spell of rains even as several rivers continued to flow above the danger mark at many places.

At least 8.7 lakh people in 987 villages in Varanasi, Allahabad, Ghazipur and Ballia

have been hit by the floods as the Ganga continues to flow above the danger mark in Fa-famu, Chhatnag, Mirzapur, Varanasi, Ghazipur and Ballia.

Several parts of Himachal Pradesh were lashed by moderate to heavy rains as the Dhauladhar ranges in Kangra district and high altitude tribal areas experienced the season's first snowfall.

Rain lashed various places in Punjab and Haryana as maximum temperatures hovered at below normal levels in some areas in both States.

More than 53,000 people have been rescued by National Disaster Response Force teams from the flood-ravaged areas in Bihar and Uttar Pradesh. — PTI



दिनांक 28.08.2017 को निम्नलिखित समाचार पत्र में प्रकाशित मानसून/ बाढ़ सम्बन्धी समाचार

Hindustan Times ( Delhi )

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## 28 Aug NB7 आज बरस सकते हैं बादल

■ स, नई दिल्ली : दिल्ली में सड़े को बादल छाए रह सकते हैं। हल्की बारिश भी होने की संभावना है। इस दौरान अधिकतम तापमान 34 डिग्री और न्यूनतम तापमान 26 डिग्री रहने का अनुमान है। दिल्ली में



1 सितंबर तक बादल छाए रह सकते हैं और बारिश होने की उम्मीद है। शनिवार सुबह 8:30 बजे तक 14.8 मिमी बारिश दर्ज हुई।

शनिवार को मैक्सिमम टेम्परेचर नॉर्मल से दो डिग्री ज्यादा के साथ 36 डिग्री दर्ज हुआ। मिनिमम टेम्परेचर नॉर्मल से एक डिग्री कम के साथ 25.5 डिग्री दर्ज हुआ। हवा में अधिकतम नमी का स्तर 94 पसेंट दर्ज हुआ। मौसम वैज्ञानिकों ने बताया कि आने वाले दिनों में हल्की बारिश होने की उम्मीद है।

दिनांक २८.८.२०१८ को निम्नलिखित समाचार पत्र में प्रकाशित मानसून/ बाढ़ सम्बन्धी समाचार

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28 Aug The Tribune

# Varanasi flooded, but corporators on junket

VARANASI, AUGUST 27

Lakhs of people have been affected by the raging floods in Prime Minister Narendra Modi's Varanasi parliamentary constituency, but this hasn't deterred a mixed group of 49 corporators from embarking on a 10-day, six-city tour of three states — ostensibly for a "study on sanitation".

Compounding this, a group of 22 BJP corporators was set to leave on Sunday on a week-long four-city tour but this has now been deferred — not cancelled.

Varanasi Mayor Ram Gopal Mohley, known for his proximity to Modi, lamely attempted to justify the junket, saying the trip had been planned in advance.

"Their bookings had been

done and tickets and all done much before. The flood was not foreseen then," he said, adding for good measure that the corporators should have used their "vivek" (intelligence) in such a situation.

He also requested the BJP corporators to refrain from going ahead with their trip and confirmed that despite "similar advance bookings", the journey had been deferred for the time being.

Additional Municipal Commissioner of Varanasi Rajendra Sengar said that the trip of the first group had no specific agenda. "Ye sirf ek bhraman hai (It is just an excursion tour)," he said.

Not surprisingly, for this group, drawn from the Bahujan Samaj Party

(BSP), the Congress and Uttar Pradesh's ruling Samajwadi Party (SP), sanitation seems to be the last thing on their mind to go by their "mauj-masti" (fun) postings on social media, where they are seen in aircraft, cars and five-star hotels, among others.

This group flew first to Delhi on August 25 and was scheduled to visit Kochi, Thekkady, Alappuzha and Thiruvananthapuram in Kerala and Kanyakumari in Tamil Nadu. They will also spend two days in Mumbai before returning on September 3.

The second group was to visit Mysuru, Ooty, Tirupathi and Bengaluru and was to return by September 6. How much of the tax-payers money did the corpora-

tion have to fork out? No one seems to have an exact idea or don't want to say.

For the record, the Varanasi floods have displaced thousands, affected over eight lakh people, submerged 30 villages and inundated 65 localities in the city. Over a dozen have died of drowning and other rain-related mishaps.

Ticked off by Modi after reports that the local BJP unit was doing precious little to help the people in distress, party workers have now hired 20 boats and are distributing food, milk packets and drinking water pouches to the affected people. Edible items like 'sukhdis' and 'matthis' sent by 25 industrialists from Gujarat are also being distributed. — IANS

## HOLY CITY UNDER WATER

8 lakh	12	65	30	20
affected by floods	deaths due to drowning	localities inundated	villages submerged	boats giving relief goods



Affected people collect relief material at a locality in Varanasi. PTI



दिनांक 27.8.1991 को निम्नलिखित समाचार पत्र में प्रकाशित मानसून/ बाढ़ सम्बन्धी समाचार

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## Wet weather likely over weekend

SPECIAL CORRESPONDENT

**CHENNAI:** The city and its neighbourhood may continue to experience the mix of showers and cloudy sky over the weekend too.

Chennai got its much-needed respite from the searing heat on Friday. The day temperature dipped by several notches in Nungambakkam and Meenambakkam, with weather stations recording 32.1 degrees Celsius and 32.8 degrees Celsius respectively.

The city had sizzled for many days, with the maximum temperature touching 38 degrees Celsius.

Several areas received up to 1 cm rain till Friday evening. While this has brought

*Hindu 27 May*  
cheer to residents, waterlogging in some areas such as Mogappair has left them concerned over the upcoming northeast monsoon.

Officials of the Meteorological Department noted that a low-pressure area, formed over west-central Bay of Bengal off north Andhra Pradesh coast, has influenced rain over the State, particularly the northern parts.

The department forecasts that rain or thundershowers are likely to occur in a few places over Tamil Nadu and Puducherry. Chennai may experience a cool weekend with thundershowers and the day temperature is set to be around 34 degrees Celsius till Sunday.



**WELCOME SHOWERS:** The sudden rains took a lot of residents in the city by surprise. — PHOTO: B. JOTHI RAMALINGAM

दिनांक २७.०८.२०१८ को निम्नलिखित समाचार पत्र में प्रकाशित मानसून/ बाढ़ सम्बन्धी समाचार

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Central Chronicle ( Bhopal )



\* A man stands on top of his submerged car as he waits for a boat next to his house in Allahabad, Uttar Pradesh, on Saturday. AP PHOTO

## Flood fury continues, Bihar death toll hits 153 <sup>28 Aug HT</sup>

Press Trust of India

\* letters@hindustantimes.com

**NEW DELHI:** The death toll in Bihar rose to 153 on Saturday with four more fatalities as floods continued to ravage the state while higher reaches of Himachal Pradesh experienced the season's first snowfall.

In West Bengal, the flood situation in Malda worsened with two fresh deaths reported from Kaliachak III block, taking the toll in floods to four in the district.

Twelve more panchayat areas were inundated in Bihar, affecting a total population of 34.69 lakh in 12 districts. Two deaths each were reported from Bhojpur and Begusarai, the disaster management department said.

Meanwhile, in UP's Allahabad, the water level of the Ganga and

Yamuna rivers receded further on Saturday, leaving behind dirt and slush in flood-affected, low-lying localities in the city.

For the first time after water started rising from August 16, the level of Ganga came down below the danger mark of 84.73m at around 11am on Saturday.

More than 53,000 people have been rescued by National Disaster Response Force (NDRF) teams from flood-ravaged areas in Bihar and UP.

The NDRF has deployed 75 rescue and relief teams, with about 40 rescuers in each, to help those hit by heavy rains in these states. It has also tasked two deputy inspector general-rank officers in the two states for monitoring the situation round-the-clock.

(With HTC inputs from Allahabad)



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06 | metro | hindustantimes

27 Aug 2016 H-T

# Rain lashes parts of Delhi, cloudy day today

HT Correspondent

■ htreporters@hindustantimes.com

■ **NEW DELHI:** Heavy rain lashed parts of the national capital on Friday evening, resulting in waterlogging and traffic jams in several areas.

The rain raised the level of humidity in the air which oscillated between 95% and 60%, the weather department said.

■ "The maximum temperature was recorded at 35.1 degrees Celsius, while the minimum settled at 26.8 degrees Celsius, both a notch above normal," a Met official said.

■ The Safdarjung observatory recorded 14.8 mm of rain, while the reading at the Palam observatory was 18.2 mm.

■ However, the rainfall was not equally distributed. The north, south and the east received moderate to heavy rainfall while in other areas the rainfall was trace.

■ Stretches across ITO, Delhi Cantt, Dhaulakuan, Rajouri and Laxmi Nagar area saw witnessed traffic jam due to the



■ Children play at Vijay Chowk lawns in New Delhi on Friday. The day's maximum temperature was 35.1 degrees Celsius. RAVI CHOUDHARY/HT

waterlogging.

The weatherman predicted a cloudy morning for Saturday with possibility of light rains towards the evening.

"The skies will remain generally cloudy with rain thundershower likely to occur on Saturday," said an official of the India Meteorological

Department.

The temperature is likely to hover between 34 and 26 degrees Celsius, respectively.

The Met department forecast rain for the coming week as well. For Tuesday to Thursday, the Met office forecast rain or thundershowers.

WITH PTI INPUTS



# Monsoon fury: Five members of a family washed away in Himachal 14 more killed in Bihar floods, toll at 149

NEW DELHI: As many as 14 more people perished in the devastating floods in Bihar on Friday, taking the death toll to 149 this monsoon.

Five members of a family were washed away following a cloudburst in Himachal Pradesh. In Bihar, where Chief Minister Nitish Kumar made an aerial survey of several flood-affected districts during the day, the swollen Ganga river was still flowing above the danger level.

A release by the disaster management department said Bhojpur accounted for maximum deaths at 13. The floods have been caused by the overflowing Ganga, Sone, Punpun, Burhi Gandak, Ghaghra, Kosi and other rivers, and have affected 32.51 lakh people in 2,018 villages under 553 panchayats of 74 blocks in the state, it said.

Ganga, though showing a receding trend, is flowing above the danger mark at seven places, including Digha Ghat, Gandhi Ghat, Hathidah in Patna, Bhagalpur, Kahalgaon in Bhagalpur district and in Munger and Buxar districts.

A total of 4.16 lakh people have been evacuated so far from the 12 flood-affected districts of Buxar, Bhojpur, Patna, Vaishali, Saran, Begusarai, Samastipur, Lakhisarai, Khagaria, Munger, Bhagalpur and Katihar, the release said.

Heavy rain on Friday lashed parts of the national capital, raising humidity levels even as the downpour resulted in wa-

terlogging in certain areas leading to traffic jams. "The maximum temperature was recorded at 35.1 degrees Celsius, while the minimum settled at 26.8 degrees Celsius, both a notch above normal," a Met official said.

In Himachal Pradesh, five members of the family were

washed away following a cloudburst in Gawaldi village of Naren Panchayat in the Rampur area of Shimla district in the wee hours.

Several rivers continued to flow above the danger mark in Uttar Pradesh with fresh rain at many places. According to a Central Water Commission re-

port, though rivers Ganga and Yamuna have started receding in the state, they are still flowing above the danger mark at many places. Despite receding waters, Ganga is still flowing above danger mark at Fafamu, Chhatnag, Mirzapur, Varanasi, Ghazipur and Ballia, while Yamuna is above the red mark at

Naini (Allahabad).

## Heavy rain across TN

Heavy rain and thundershowers lashed the Tamil Nadu region, especially the western districts, on Friday, even as the meteorological department predicted favourable weather conditions for a downpour in

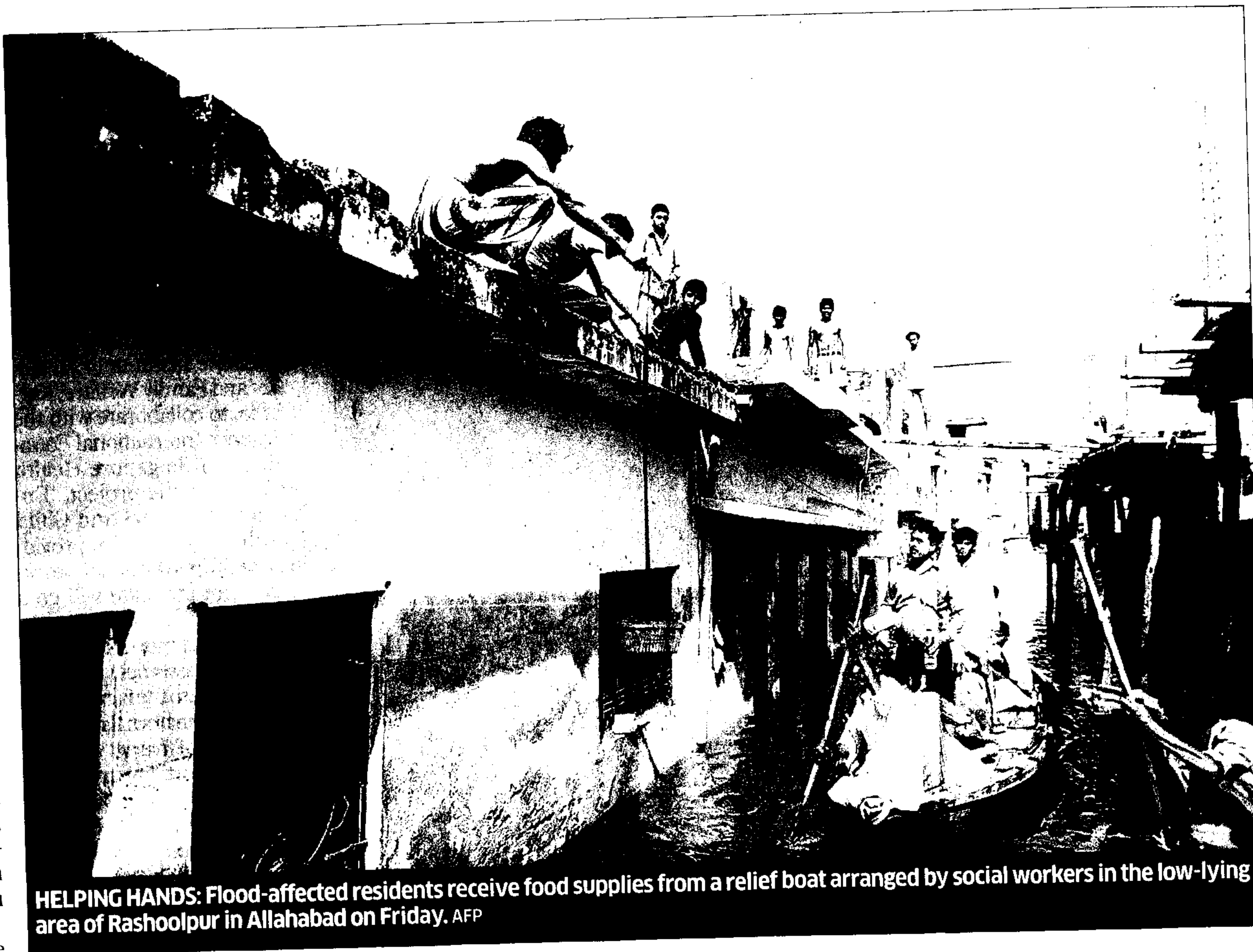
## Lalu slams PM for not releasing aid to flood-hit state

Nearly a week after 12 districts in Bihar were affected by floods, RJD chief Lalu Prasad Yadav slammed the Centre for not doling out any flood aid to the devastated state, DHNS reports. "Last year, when there was flood in Jammu, Prime Minister Narendra Modi announced a package of Rs 80,000 crore. But when 40 people died in Bihar, why has the prime minister not announced any package?" asked Lalu.

The RJD chief, whose party is ruling Bihar in alliance with the JD(U) and the Congress, wondered whether the Centre was meting out stepmotherly treatment to the flood-hit people because "they had defeated the BJP in Assembly elections last year. Lalu's sentiments were echoed by Finance Minister of Bihar Abdul Bari Siddiqui.

the next 48 hours. "Under the influence of yesterday's upper air cyclonic circulation over the west central bay and off north Andhra Pradesh coast, a low pressure area has formed over the same area," a senior official in the regional meteorological centre told DH.

DHNS& PTI



HELPING HANDS: Flood-affected residents receive food supplies from a relief boat arranged by social workers in the low-lying area of Rashoolpur in Allahabad on Friday. AFP



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 Chronical ( Hyderabad )  
Central Chronical ( Bhopal )

# Wastes and its management

■ Dr Pradip Kumar Das

**W**astes are the useless materials generally found in towns and cities.

Waste products are gradually increasing day by day due to urbanization. Waste disposal is a common problem in most of the cities of India. Increase in population, poor civil services, changing lifestyles, ineffective policies and lack of awareness contribute to the problem. Mounds of solid wastes generated every day can create havoc due to lack of proper management.

Wastes can be classified in different ways: domestic waste, biomedical waste, construction waste, and sewage and industrial waste. Moreover, wastes also include other types like solid and liquid, biodegradable and non-degradable, hazardous and non-hazardous, etc.

Domestic wastes are mostly kitchen wastes. The sources of kitchen wastes are hotels, hospital canteens, hostels, housing complexes, restaurants, institutional campuses, fruits and vegetables markets, temples and residences. Domestic wastes may be hazardous if they are dumped on the streets and residential premises. Amongst the all met-

ro cities, Delhi alone produces 7,000 metric tonnes of domestic wastes every day of which about 50% is biodegradable.

Plastic which is used for various domestic purposes is becoming unmanageable biomedical waste strewn all around including the vicinity of hospitals. Rag-pickers, who are regular features in such biomedical waste sites, are prone to several diseases. Health institutions like hospitals, nursing homes, doctors' clinics, pathology laboratories, etc., are the major sources of biomedical waste.

Hospitals generate two types of wastes: liquid and solid. The liquid waste mostly consist of vomit, urine, drugs, chemicals, radioactive materials, organic chemicals and fluid from pathology laboratories and chemical developers and fixer solutions from the radiology department. The liquid wastes discharged into the drains without detoxifying are mostly dumped in an irrational way. Moreover, majority of hospitals do not have incinerators, neither biomedical waste disposal arrangement nor an agency who has the expertise in biomedical waste disposal. Solid wastes include disposable syringes, empty syringes, empty plastic packages of

blood, empty bottles of glucose, etc. Such disposables are responsible for serious health hazards and environmental pollution.

The existing system of biomedical waste disposal in most of the hospitals is not healthy. The biomedical waste management and handling rules framed as early as in 1998 are not being followed. Hospital wastes if burnt in incinerators without segregation may result in toxic fumes in air. Non-incinerable materials like plastic and other infectious materials should be segregated and most ideally autoclaved.

Construction wastes mostly include concrete, wood and iron. There are two sources of construction waste. One is the leftover/un-utilized goods after the construction/renovation is over and second is debris resulting from demolition of old and/or unauthorized construction. Presently, all the construction wastes along with other wastes like vegetable, plastic, etc., are being dumped in sanitary landfill sites. Using the concrete and rubble after treatment as a filling for footpath in road construction is an innovative approach.

Population growth along with increasing industrialization and urbanization in India have created major problem of disposal of sewage and

industrial effluents. Both sewage and industrial effluents are dangerously toxic and a source of infection if discharged untreated. They pollute not only air and soil but also the surface and groundwater aquifers. According to an estimate, sewage water can annually irrigate about 1.5 mha of land area. Sewage and industrial effluents contribute about one million tonnes of nutrients. Present sewage irrigation practices being primitive and more of disposal-oriented, their use results in progressive and irreversible accumulation of salts, toxic materials and heavy metals in soil and groundwater. Industrial effluents contain high Total Solids (TS), Total Volatile Solids (TVS) and high Chemical Oxygen Demand (COD) in comparison to the sewage water which contains high Biological Oxygen Demand (BOD), chemicals and organisms and is rich in nutrients as well as organic carbon.

Waste management practices differ from country to country and for urban and rural areas. Irrespective of the source and types of waste, there is a need for proper and integrated waste management at all stages - collection, transposition, segregation, treatment, recycling and disposal. In our country, people's proactive participation in waste manage-

ment is essential and for that, campaigns to keep the surroundings clean involving NGOs, private companies and consumer federations should be organized. The area specific approach should be identified. The organizations like the municipal corporation should work as a link between the government and the private concerns.

Garbage should be collected right from the place it is generated and dumped at the landfills. Landfills in metropolitan cities are not landfills in the true sense but are dumping grounds which cause health and environment hazards. They should be replaced with sanitary landfills where garbage should be properly disposed of and used effectively for production of resources like gas, electricity, manure, etc. Having sufficient numbers of dustbins at common places to avoid roadside littering is another approach to keep cities clean.

Eco-friendly technologies such as pelletization, biomethanation and sanitary land filling should be used for waste disposal. We should honour the vision of Mahatma Gandhi and Narendra Modi's 'Swachh Bharat Abhiyan' campaign to keep our surroundings clean and people should be made aware of the merit of cleanliness and hygiene.

27 Aug The Assam Tribune



24/8/16

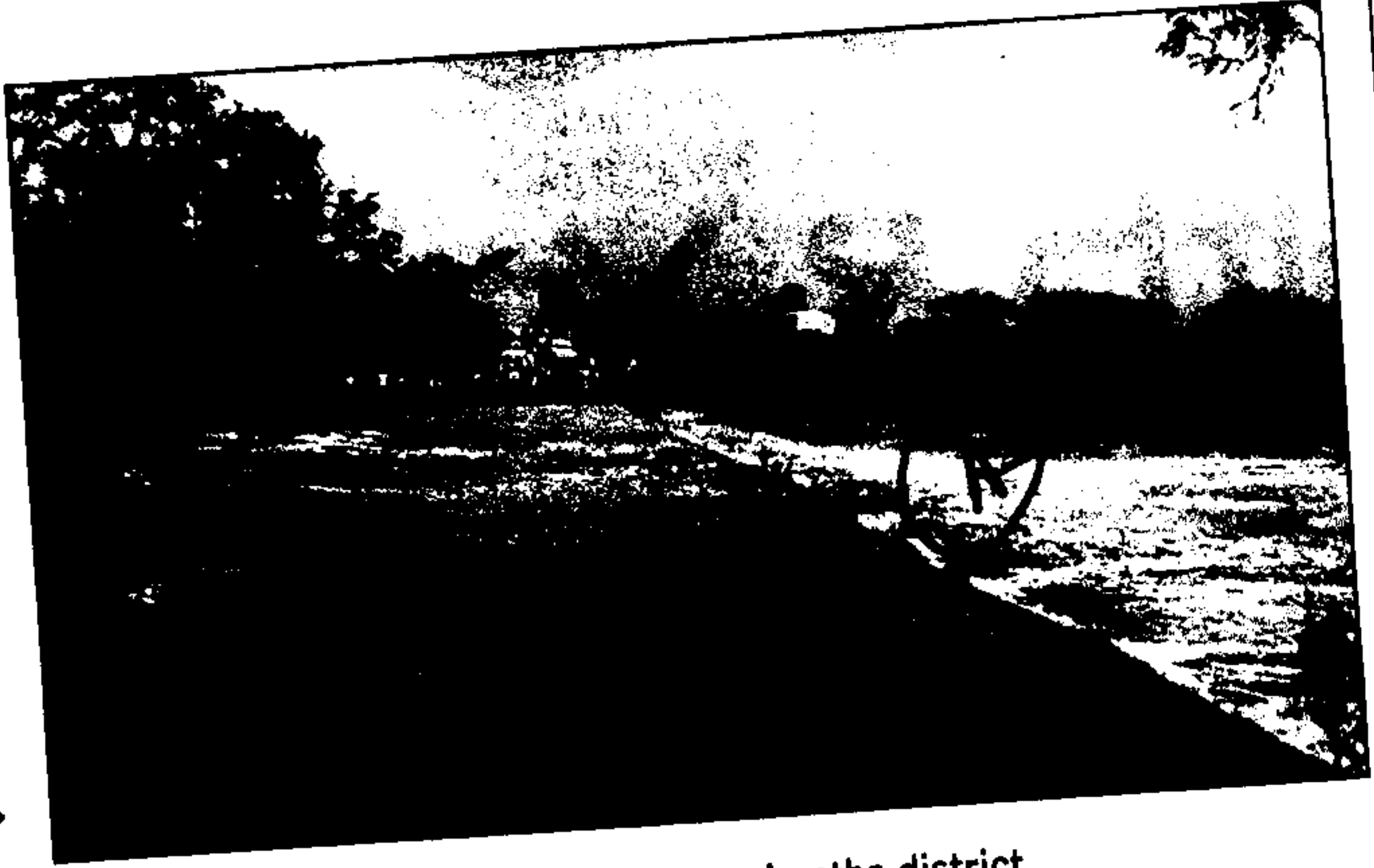
Hindustan Times  
Statesman  
The Times of India (N.D.)  
Indian Express  
Tribune  
Hindustan (Hindi)

Nav Bharat Times (Hindi)  
Punjab Kshari (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)  
Bhaskar

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

# Two breaches in Narmada minor canal



Fields are inundated in villages of Banaskantha district

TIMES NEWS NETWORK

**Palanpur:** A 61-feet wide breach in a Narmada minor canal left fields inundated in villages of Banaskantha district on Tuesday.

The breach passing through Chheriyana and Dhima towns located close to the Pakistan border, sources said.

Officials said that the water spilled on to the main road and reached up to a newly built market in Dhima. DR Yadav, deputy engineer in-charge of minor canals said the repair work was hampered by continuous rainfall.

"There are two breaches in the canal. One is 25 feet wide and other is 36 feet," he said.

Irrigation department officials rushed to the spot and started the repair work on the breach, said Yadav. However, the contractor is waiting for the water to recede.

Farmers alleged that the breach was caused due to the inferior quality of material used in the building the canals in this border area. They said it was the second time that there was a breach in the last 10 days. "We have even submitted a memorandum to the deputy collector asking him to look into the issue with urgency," said a farmer in Dhima town.

The farmers said there was knee-deep water in the field which were ready for kharif sowing.



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

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

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

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

औसत से ज्यादा बारिश के बावजूद रेलमगरा क्षेत्र के कई जलाशय खाली...

27 Aug - RP

# मातृकुण्डिया तक सैलाब, रेलमगरा कैसे सहेजता?

## बनास पर एक बड़े जलाशय की दरकार

पत्रिका न्यूज नेटवर्क  
rajasthanpatrika.com

रेलमगरा (राजसमंद). बनास में उफान के बावजूद खाली पड़ी राजसमंद झील से तो हमारे जल संग्रहण के ढांचे पर सवाल खड़े हुए ही हैं, रेलमगरा में इस वर्ष हुई जोरदार बारिश ने इस उपखण्ड क्षेत्र में भी जलसंग्रहण की क्षमता की पोल खोल दी है। इस बार दर्जनभर जलाशय फूट गए और औसत से ज्यादा बरसात के बावजूद पीने और सिंचाई लायक जल बचाया नहीं गया है। बनास और ऊपरी बांधों पर ही निर्भरता बनी हुई है। रेलमगरा क्षेत्र के कैचमेन्ट एरिया से बहकर गुजरता पानी चित्तौड़गढ़ जिले के धमाणा, भोपालसागर, जाशमा, डिण्डोली तालाबों में चला जाता है। इन जलाशयों का निर्माण कैचमेन्ट एरिया के पानी के बहाव क्षेत्र के मध्य किया गया है, जिससे पानी रेलमगरा क्षेत्र के जलस्रोतों में पहुंचने की बजाय चित्तौड़गढ़ पहुंचना शुरू हो जाता है। रेलमगरा में जलस्रोतों तक बरसाती

पानी की पहुंच प्रभावित हो गई। कम बारिश की दशा में कैचमेन्ट एरिया का पानी इन फीडरों से होता हुआ चित्तौड़गढ़ जिले में पहुंच जाता है, वहीं भारी बारिश के समय ये नहरें ओवरफ्लो होती हैं, तो इसका पानी खेतों में घुसकर फसलों को बर्बाद कर फिर आगे के जलाशयों तक पहुंचता है।

## यहां के पानी से भरता है मातृकुण्डिया

चित्तौड़गढ़ जिले में स्थित मातृकुण्डिया बांध राजसमंद जिले से बहकर जाते पानी से ही भरता है। इस बार रेलमगरा की भारी बारिश के साथ नंदसमंद से बनास में आए पानी से मातृकुण्डिया बांध ओवरफ्लो हो चुका है। गौरतलब तथ्य तो यह कि इस बार क्षेत्र में भारी बारिश होने से बनास नदी में कुरज क्षेत्र से पानी की भारी आवक हुई, जिससे नंदसमंद से पानी की आवक होने से पूर्व ही मातृकुण्डिया बांध 23 फीट की भराव क्षमता को छू गया और बांध के गेट खोलने पड़े। मातृकुण्डिया बांध से बहकर आगे गया काफी पानी भी जलाशयों से छलककर व्यर्थ ही बहता रहा।

## इतना पानी बहा कि झील पूरी भर जाती



## बनास है सक्षम

हालांकि इस वर्ष सामान्य से अच्छी बरसात हुई है, लेकिन जानकारी का कहना है कि बनास नदी एक और बांध बनकर उसमें पानी संग्रहित रखने की क्षमता में पूरी तरह मरम्मत सक्षम हो सकती है। बांधेरी का नक्का व नंदसमंद के बांध एक और बांध हमारी क्षमता बढ़ा सकता है।

## यह हो सकता है समाधान

राजसमंद जिला मुख्यालय के पूर्व दिशा में स्थित गांवों से बहकर आता पानी चित्तौड़गढ़ जिले में पहुंचता है। जानकारों का कहना है कि इसे रोकने के लिए रेलमगरा क्षेत्र में एक बड़े जलस्रोत

के निर्माण की जरूरत है। बड़ा जलस्रोत बनाकर पानी को चैनलाइज किया जाना चाहिए। बहकर दूसरे जिलों में पहुंचने वाला पानी यहां का भूजल स्तर बढ़ाने में कारगर साबित हो सकता है। यहां

800 मिमी सामान्य बारिश है रेलमगरा की

950 मिमी बारिश हो चुकी है इस बार, यानि सामान्य से 150 मिमी ज्यादा वर्षाकाल अभी भी बाकी

1188 एमसीएफटी भराव क्षमता का मातृकुण्डिया

4000 एमसीएफटी पानी छोड़ा गया है मातृकुण्डिया बांध से। इतना पानी राजसमंद झील को छलका सकता है।

2006 में मातृकुण्डिया बांध ओवरफ्लो हुआ, 0692 एमसीएफटी पानी छोड़ा गया, जो भराव क्षमता का 9 गुना ज्यादा था

का पानी जाशमा, भोपालसागर, मातृकुण्डिया, धमाणा, डिण्डोली, कपासन गांवों के बड़े जलाशयों को छलका रहा है, तो क्यों नहीं यहीं पानी को सहेजने का बंदोबस्त किया जाए?

## अच्छी बारिश के बाद भी रीते हैं जलाशय

इस वर्ष रेलमगरा क्षेत्र में अब तक सामान्य से 150 मिमी अधिक बारिश हो चुकी है, जिसके बाद भी कई जलाशय खाली पड़े हैं। दूसरी ओर पानी की भारी आवक के कारण काबरा, गित्पूण्ड, मोरा, सिन्देसर कलां, चांपाखेड़ी के एमिकट एवं तालाब फूटने से पानी व्यर्थ बह गया। वहीं, भराई तालाब की गत वर्ष टूटी पक्की फल की मरम्मत नहीं कराए जाने से यह तालाब अपनी पूर्ण भराव क्षमता से करीब 6 फीट कम भरा हुआ है। कुवारिया, कुरज और पीपली आचार्यान क्षेत्र में भी बड़ी संख्या में तालाब फूटने से जल संग्रहण क्षमता पर बुरा असर पड़ा है।

मातृकुण्डिया बांध से अब तक जितना पानी छोड़ा गया है, उससे बांध नौ बार भर सकता था। वर्ष 2006 एवं वर्ष 2012 में 15 अगस्त से पूर्व यह बांध नंदसमंद से पानी की आवक होने से भरा था। इस वर्ष 15 अगस्त से पूर्व ही यह बांध ऊपरी पानी की आवक के बिना ही भर गया।

मनोहरलाल सिसोदिया, एईएन, सिंचाई विभाग, मातृकुण्डिया

बनास के नदी के पानी पर पहला हक तटवर्ती गांवों का है। सरकार अपने स्तर पर बनास के निचले स्तर तक पानी का बहाव सुनिश्चित कर बाद में अतिरिक्त पानी राजसमंद झील एवं अन्य जलाशयों तक पहुंचाने का विकल्प तैयार करे, तो जिले का अतिरिक्त पानी यहां काम में लिया जा सकेगा। बजरी दोहन को रोकने के लिए जिम्मेदारों को जागरूक होने की आवश्यकता है।

नंदकिशोर राजोरा, कार्यकर्ता, बनास बचाओ संघर्ष समिति

बनास में पानी का बहाव सेजा बढ़ाने के लिए सहायक सिद्ध होता है। लेकिन यह बरसात पर निर्भर है। ऐसे में जिले के पानी को अन्य जिलों में पहुंचने से रोकने के लिए सरहद पर बड़े जलाशय का निर्माण किया जाए, तो भूजल स्तर में काफी बढ़ोतरी हो सकती है। अच्छी बारिश के समय अतिरिक्त पानी खेतों में भरने से फसलों के नुकसान को बचाया जा सकता है। जनप्रतिनिधियों को अब भी समय रहते कोई निर्णय जल्द करना चाहिए।

रामलाल माली, काश्तकार, पनोतिया



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)  
Blitz

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

### Malda flood situation worsens, toll 4

MALDA, 27 AUG: The flood situation in Malda worsened today with two fresh deaths being reported from Kallachak III block, taking the toll due to floods to four in the district. Two-year-old Noor Alam of Deonapur and Ajmal Sheikh (8) of Sobhapur drowned in the flood waters today, the ADM said. pti

## 53,000 rescued by NDRF in flood-hit states

statesman news service

28/8/16

NEW DELHI, 27 AUG: The National Disaster response Force (NDRF) has deployed 21 rescue teams in Bihar and 19 in Uttar Pradesh due to the flood situation in several districts of the two states. Seventy five NDRF teams are involved in rescue and relief work.

So far, NDRF teams have evacuated and rescued more than 53,000 people and provided medical assistance to 12,200 people this monsoon season.

Yesterday, NDRF teams deployed in Bihar at Munger, Samastipur, Begusarai, Fathuha, Patna, Bhagalpur, Didarganj, Danapur, Bakhtiyarpur, Buxer, Vaishali and Chapra evacuated more than 1,748 marooned people. NDRF teams also dis-

tributed relief materials and provided medical care to 130 stranded people in Bihar.

In Uttar Pradesh, NDRF teams conducted rescue and relief operations at Allahabad, Banda, Gazipur, Varanasi and Ballia districts, evacuating 2,163 people, who were stranded in low lying areas, to safer places. They distributed relief material in flood-prone areas and provided medical care to 601 people in UP.

One NDRF team positioned at Mangan, North Sikkim, resumed rescue and relief operation yesterday at Tingbungand village, evacuating more than 280 people and distributing relief material.

NDRF Director General O P Singh is monitoring the situation. A 24X7 NDRF control room in Delhi remains in touch with other agencies.



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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Deccan Herald

M.P.Chronicle  
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Indian Nation  
Nai Duniya (Hindi)  
The Times of India (A) ✓  
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and documented at Bhagirath(English)& Publicity Section, CWC.

# Met warns of heavy rains over next two days

TIMES NEWS NETWORK

Yogesh Chawda

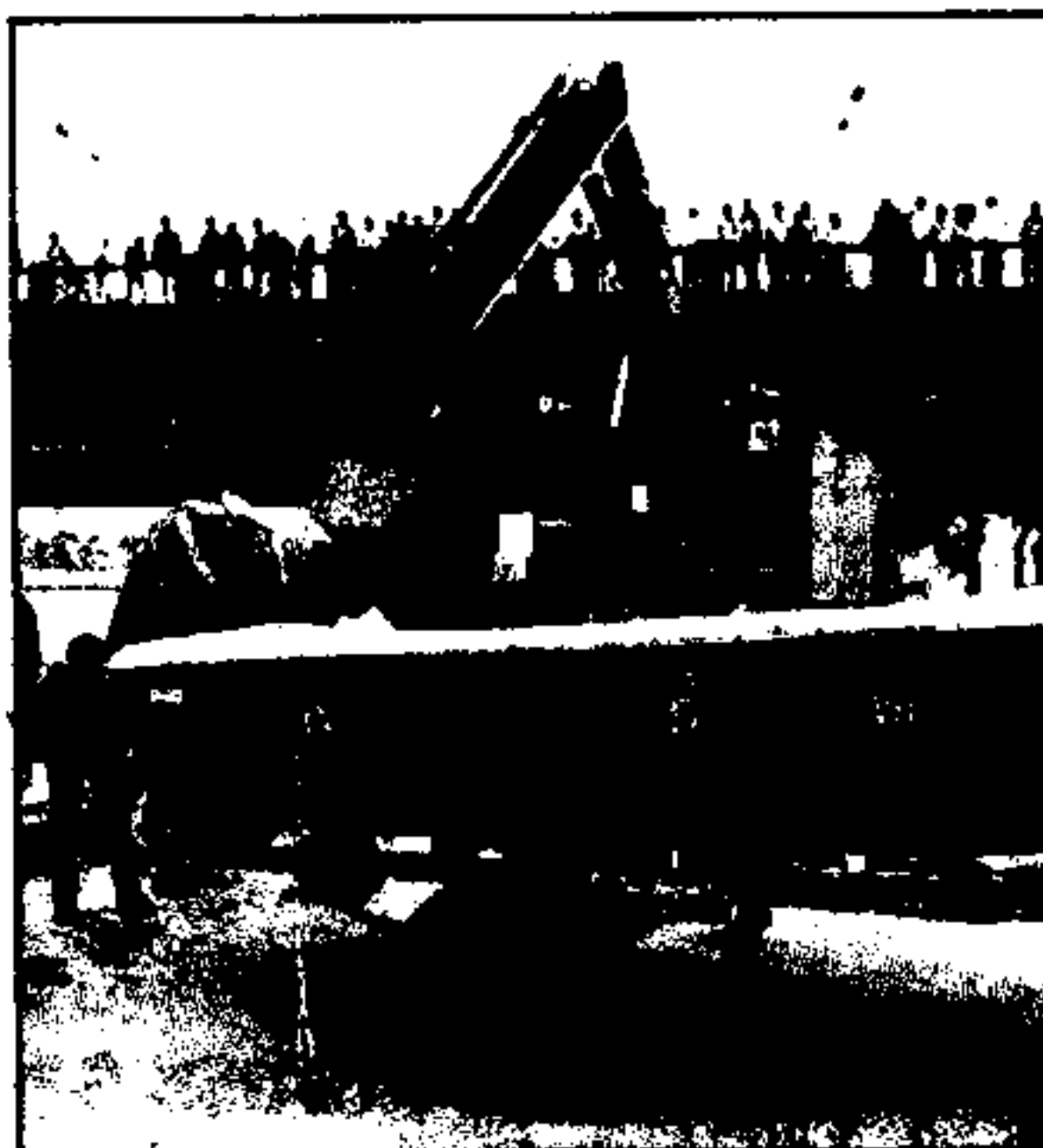
**Ahmedabad:** The India Meteorological Department (IMD) on Tuesday issued a warning of heavy to very heavy rainfall over the Gujarat region for the next two days. The intensity of the rains will gradually decrease after that but will continue to intermittently shower the state, which is still facing a 25% deficit, till mid-September, Met officials said.

"Heavy to very heavy rainfall will occur over Gujarat," said the warning issued for the next two days by the Meteorological Centre, Ahmedabad of IMD on Tuesday.

Director of India Meteorological Department (IMD), Gujarat, Jayanta Sarkar said, "There is a low pressure area over East Rajasthan and the neighbourhood with an associated upper air cyclonic circulation extending up to the mid-tropospheric level. This is likely to bring heavy to very heavy rainfall in the Gujarat region and at isolated places over Saurashtra-Kutch in the next two days."

"The rainfall will continue for three to four days after that but the intensity will gradually decrease," Sarkar added. He said that the state will continue to witness rains till September.

According to the Met



The maximum temperature fell to 29°C on Tuesday

centre, the monsoon is active over the Gujarat region and rainfall occurred at isolated places in the Saurashtra-Kutch region.

On Tuesday, the weather in Ahmedabad was pleasant with a drizzle all through the day in many areas.

The maximum temperature fell further to 29°C on Tuesday, three degrees less than Monday's maximum temperature. The minimum temperature recorded

was 25.4°C.

Meanwhile, the fresh breeze and showers drew Amdavadis out of their homes. Commuters and youths, were seen parking their vehicles by the roadside to enjoy the rain and click selfies. The rain also affected vehicular movement at various places, including Ashram Road, Navrangpura, Paldi, Income Tax Crossroads, Satellite and SG Road on Tuesday.

Hindustan Times  
Statesman  
The Times of India (R.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)  
Eliz

and documented at Bhagirath(English) & Publicity Section, CV/C.

# City likely to fall short of rain quota

Anindya Chattopadhyay

TIMES NEWS NETWORK

**New Delhi:** After a rather dry fortnight, the city finally saw a short spell of moderate rain on Friday evening, which, too, was unevenly spread.

While Lodhi Road recorded the highest amount of rainfall at 33mm, other areas like Ayanagar, Pitampura and Akshardham remained dry.

The Safdarjung observatory recorded 14.8mm rain till 5.30pm on Friday, the highest after August 13 when 29.8mm rain was recorded. Unlike July, when the city saw 292.5mm rain against a monthly normal of 210.6mm, August has so far witnessed a deficiency by 63%. Against a monthly normal of 221.8mm, the city witnessed only 96.4mm rain till 5.30am on Friday. Even though near normal rainfall has been predicted for the remaining days of the month, it is highly unlikely that the deficiency can be sorted.

"Rainfall over Delhi has surely been below expectations but when we make long-term average forecasts, we do not take into account rain over such a small area. For the rest of the month, we are expecting near normal rainfall over the city with no spectacular revival of the monso-



**SHAME OLD STORY:** Sporadic rain led to waterlogging at various places in the city

on. However, by the weekend we expect the rainfall to be better distributed across the city. We are not expecting any extreme weather spell for the time being," said B P Yadav, director, IMD.

This month's rainfall has been the lowest in August since 2006, when Delhi had recorded 98mm rainfall, a figure that the city is likely to cross by the end of the month. August 2014 recorded the second lowest rainfall since then with 139.1mm. The highest rainfall recorded so far this

month was on August 13 with 29.8mm.

"The axis of the monsoon trough at mean sea level continues to pass through Anupgarh, Agra, Satna, Pendra Road, Gopalpur, through the centre of the low pressure area and then east-southeastwards to east central Bay of Bengal. Delhi will see a generally cloudy sky with thunderstorm and rain, which is likely to occur on August 27 and 30. Light rain or drizzle is likely on August 28 and 29," said a Met official.



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# Rain lashes parts of Delhi, cloudy day today

HT Correspondent

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**NEW DELHI:** Heavy rain lashed parts of the national capital on Friday evening, resulting in waterlogging and traffic jams in several areas.

The rain raised the level of humidity in the air which oscillated between 95% and 60%, the weather department said.

"The maximum temperature was recorded at 35.1 degrees Celsius, while the minimum settled at 26.8 degrees Celsius, both a notch above normal," a Met official said.

The Safdarjung observatory recorded 14.8 mm of rain, while the reading at the Palam observatory was 18.2 mm.

However, the rainfall was not equally distributed. The north, south and the east received moderate to heavy rainfall while in other areas the rainfall was trace.

Stretches across ITO, Delhi Cantt, Dhaulakuan, Rajouri and Laxmi Nagar area saw witnessed traffic jam due to the



■ Children play at Vijay Chowk lawns in New Delhi on Friday. The day's maximum temperature was 35.1 degrees Celsius. RAVI CHOUDHARY/HT

waterlogging.

The weatherman predicted a cloudy morning for Saturday with possibility of light rains towards the evening.

"The skies will remain generally cloudy with rain thundershower likely to occur on Saturday," said an official of the India Meteorological

Department.

The temperature is likely to hover between 34 and 26 degrees Celsius, respectively.

The Met department forecast rain for the coming week as well. For Tuesday to Thursday, the Met office forecast rain or thundershowers.

WITH PTI INPUTS