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The Hindu  
Rajasthan Patrika (India)  
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U.P. Samak  
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The Times of India (India)  
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# Assam flood toll 13, CM takes aerial survey

**PRESS TRUST OF INDIA**  
GUWAHATI, AUGUST 23

ASSAM CHIEF Minister Tarun Gogoi on Sunday took an aerial survey of flood-affected districts in Kokrajhar, Chirang, Bongaigaon, Goalpara and Dhubri, as the death toll in the state rose to 13.

After an aerial survey of more than two hours, the chief minister said the state government has stepped up rescue and relief operations in the state with all ministers and officials having been directed to visit the affected districts and monitor relief operations. He also lauded the role of NDRF and SDRF personnel for their all-out efforts in rescuing marooned people.

The chief minister was accompanied by Chief Secretary V K Pipersenia, Assam State



A man collects water in Morigaon district, Sunday. Dasarath Deka

Disaster Management Authority chairman P K Tiwari and other senior officials, a spokesman for the CMO said.

The current wave of flooding has affected 18 districts, the worst hit being Dhubri, Goalpara, Chirang, Kokrajhar

and Bongaigaon, an official report said here. The flood has affected a population of 6.16 lakh and has inundated 1291 villages. At least 260 relief camps have been opened so far to provide shelter to 1.79 lakh people.

Gogoi said the Centre was yet

to release a sizeable chunk of funds sought by the state government for infrastructure damage caused by floods last year. He said the Centre has only released Rs 380 crore so far. "We have submitted memoranda to the central government, including the Prime Minister and Home Minister, but have not received the funds sought by us for huge infrastructure damage caused by floods last year," he said.

He, however, pointed out that there was no funds constraints in providing relief to the affected. "We have funds for relief work. What we require from the central government is sufficient funds to build up the infrastructure, such as roads, bridges, school buildings, health centres, dwelling houses and embankments, that were damaged by last year's flood and proper rehabilitation of the flood-hit people," he said.



News item/letter/article/editorial published on August - 24 09 2018 the

Hindustan Times	Nav Eharat Times (Hindi)	M.F. Chronicle
Statesman	Punjab Keshar (Hindi)	A. & J. (Hindi)
The Times of India (N.D.)	The Hindu	Indian Nation
Indian Express	Rajasthan Patrika (Hindi)	Kal Duniya (Hindi)
Tribune	Deccan Chronicle	The Times of India (A.)
Hindustan (Hindi)	Deccan Herald	Elite

and documented at Bhadrath(English) & Publicity Section, CHC.

## First hydropower plant <sup>HT</sup> <sub>24</sub>

**NEW DELHI:** The Delhi Jal Board will soon be able to produce electricity using waste water treated from its own sewage treatment plant.

The water utility has commissioned the first-ever hydropower plant in the city which will have a generation capacity of 20,000

kWh of electricity per year. The plant has been commissioned at Chilla area in East Delhi.

"This is the first plant in Delhi which will be run through hydraulic turbines propelled by treated effluent coming out of a Sewerage Treatment Plant (STP)," a statement said. **MTC**

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Indian Chronicle

Deccan Herald

H. P. Chronicle

A. P. Chronicle

Andhra Pradesh

Malayalam (Hindi)

The Tribune of India (Hindi)

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# Water in 91 reservoirs below avg of 10 yrs

24/8/TTU

## Rains normal in half the nation, country still has 9% deficit

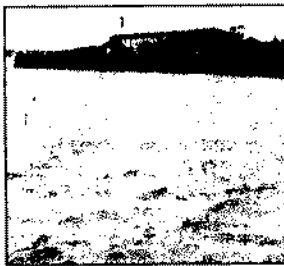
Neha.Madaan@timesgroup.com

**Pune:** The water situation across India appears grim as the total storage in 91 main reservoirs across the country has gone below the average of the past 10 years, the Central Water Commission (CWC) has said in a report.

The reservoirs currently hold 91 billion cubic metres (BCM) water, which is 58% of their total live storage capacity. During the same period last year, these reservoirs held 103.5 BCM. The average of the past 10 years stands at 98.7 BCM.

Except the north and central regions of the country, storage levels are sinking everywhere. Of the 17 major reservoirs in Maharashtra, 13 have less water than last year and the 10-year average. In fact, Jayakwadi, Bhima, Yeldari and Girna have less than 5% water left. The 27 reservoirs in the western region (Maharashtra and Gujarat) have 15.89 BCM (59%) water left, while they can hold 27.07 BCM. The situation was slightly better this time last year at 61%. The 10-year average storage during the same period was 66% of the live storage capacity.

The storage in the eastern region, which includes Jharkhand, Odisha, West Bengal and



ALARMING

Tripura, is also less than the decade's average. Himachal Pradesh, Punjab, Rajasthan, West Bengal, Tripura, Gujarat, Uttarakhand and Madhya Pradesh are among the states where the situation is better as compared to last year. Other states where the water levels have dipped include Chhattisgarh, Uttar Pradesh, Andhra Pradesh, Telangana and Karnataka.

A member of the Central Water Commission said, "The reservoir storage has been directly affected by less rainfall nationwide. But the previous year's storage is also a deciding factor."

A water expert who is also a part of the commission added, "During months of excess rainfall, when water levels in reservoirs go beyond the maximum, water is released for downstream regions. But this has not happened this monsoon."

**New Delhi:** Even as the prospect of drought in some parts of India looms large, the India Meteorological Department has reported that more than half the country has received normal rainfall so far. Some regions in central and southern parts, on the other hand, have reported deficient rains this monsoon.

According to IMD data, 20 of India's 36 sub-divisions, or over 55% of the country, have received normal rains. About 29% has witnessed deficient rainfall, while 13% reported an excess.

Overall, a deficiency of 9% was recorded in the whole country. Among the four divisions, the northwest received the highest rainfall — only 2% lower than the normal. The east and northeast followed with a deficit of 6%, while central India and the southern peninsula reported a shortfall of 11% and 20%, respectively. The weatherman has reported a positive sign in that no sub-division has recorded "scanty" or "no-rain" precipitation.



IMD says none of India's 36 sub-divisions has reported scanty rains

Sub-regions Assam, Meghalaya, Arunachal Pradesh, Sikkim, Jharkhand and Bihar, Uttarakhand, Himachal Pradesh, Jammu and Kashmir, east Rajasthan, Odisha, east Madhya Pradesh, Gujarat, Vidarbha, Chhattisgarh, Andaman and Nicobar Islands, coastal Andhra Pradesh, Tamil Nadu and Pondicherry, Lakshadweep and southern interiors of Karnataka have received normal rainfall.

With a deficiency of 44% and 46%, the northern interiors of Karnataka and Maha-

rashttra's Marathwada region are the worst affected so far.

The rainfall deficit in central Maharashtra was reported at 36%, 33% for Konkan and Goa, 34% for eastern UP and 29% for its western parts, 31% for Punjab, 30% for Kerala, 26% for coastal Karnataka, and 22% for Telangana. Delhi reported a deficit of 25%.

Only three sub-divisions — Gangetic West Bengal (32%), west Rajasthan (76%) and west MP (35%) have witnessed excess rainfall. **PN**



Media list of articles/articles published on August 24 2015 in the

Hindustan Times ✓  
Sudhakar  
The Times of India (Delhi)  
Indian Express  
Tribune  
Hindustan (Hindi)

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

M.P. Chronicle  
/ & / (Hindi)  
Indian Patriot  
Kali Dunya (Hindi)  
The Times of India (H)  
Bharat

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CENTRE SEEKS REPORT FROM ASSAM ON FLOOD DAMAGES 24 (ST)

# Gogoi makes aerial survey

PRESS TRUST OF INDIA  
New Delhi, 23 August

Assam chief minister Tarun Gogoi today made an aerial survey of severely flood-affected districts of Kokrajhar, Chirang, Bongaigaon, Goalpara and Dhubri districts even as the death toll in the floods rose to 13 while a report has been sought from Assam government giving details of damages caused due to floods so that necessary further aid can be planned out.

Union Minister Jitendra Singh said here today said six teams of National Disaster Response Force (NDRF) have already been deployed for rescue work in the flood affected areas of

Assam. The NDRF teams have been deployed in Tinsukia, Lakhimpur, Kokrajhar and Kamrup.

There is one Battalion (about 1,000 personnel) of NDRF stationed in Guwahati to move into action as and when required without wasting any time, the Minister said.

Singh said following heavy rains since 17 August, river Brahmaputra, particularly, and also other rivers, including Jia Bharali, Putimari, Beki and Manas began to flow above normal level.

After an aerial survey of more than two hours, chief minister Gogoi said the state government has stepped up rescue and relief operations in the state with all min-



isters and officials directed to visit the affected districts to monitor relief operations.

He also lauded the role of NDRF and SDRF personnel for their all out efforts in rescuing marooned people.

The chief minister

was accompanied by chief secretary V K Pipersenia, Assam state disaster management authority chairman P K Tiwari and other senior officials, a spokesman of the chief minister's office said.

The flood has affected

a population of 6.16 lakh people with 1291 villages inundated.

Altogether 260 relief camps have been opened so far with 1.79 lakh inmates taking shelter in these camps.

The chief minister further said the Centre was yet to release a sizeable chunk of funds sought by the state government for infrastructure damages caused by floods last year and has only released Rs 380 crore so far. "We have submitted memoranda to the Central Government, including the Prime Minister and Home Minister, but have not received the funds sought by us for huge infrastructure damage caused by floods last year," he said.

(Newspaper/Editorial article/editorial) published on August-24-8-2015 in the

Hindustan Times

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The Times of India (N.E.)

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M.P. Chronicle

Via (Hindi)

Indian Mirror

Lat Daily (Hindi)

The Times of India (M)

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(The Documented at Bharatpur/English) Publicity Section, D.P.C.

## पाक के साथ जल मुद्दे का समाधान बातचीत से ही : भास्कर

नई दिल्ली, (भाषा): जम्मू-कश्मीर में निर्माणाधीन खले जल विद्युत परियोजना पर पाकिस्तान द्वारा विरोध जताने के बाद भारत ने बातचीत के माध्यम से मुद्दे के समाधान की मांग की है। केंद्रीय जल संसाधन मंत्रालय के सूत्रों ने बताया कि औपचारिक पत्र लिख कर सिंधु जल संधि के प्रावधानों के तहत चेनाब नदी पर बन रही 850 मेगावाट की बिजली परियोजना पर भारत से तटस्थ विशेषज्ञ की नियुक्ति की पाकिस्तान की मांग के जवाब में केंद्र ने यह जवाब दिया है। सूत्रों ने बताया कि भारत के सिंधु जल आयुक्त को 20 दिन पहले भेजे गये एक पत्र में पाकिस्तान ने परियोजना के डिजाइन पर कुछ शंका प्रकट की थी। मंत्रालय के एक वरिष्ठ अधिकारी ने बताया,

“हम ने पाकिस्तान सरकार को दस दिन पहले जवाब लिखा है। हम ने मुद्दे पर बातचीत की मांग की है।” अधिकारी ने बताया कि दोनों देशों के मध्य सिंधु जल आयोग की अगली बैठक की तारीख अभी तय की जानी है। सिंधु जल संधि के अंतर्गत भारत और पाकिस्तान ने सिंधु जल आयुक्त के स्थायी पद को बनाया था। प्रावधानों के तहत आयुक्त संधि के तहत मतभेदों और विवादों को सुलझाने के लिए बातचीत कर सकते हैं। मुद्दे का समाधान नहीं होने पर तटस्थ विशेषज्ञ, वार्ताकारों या मध्यस्थता अदालत पर विचार किया जा सकता है। पूर्व प्रधानमंत्री मनमोहन सिंह ने वर्ष 2013 में चेनाब नदी पर विद्युत संयंत्र का शिलान्यास किया था।

पंजाब-24-8-15

News Item/feature/article/editorial published on August 24, 2015 in the

Hindustan Times

Statesman

The Times of India (N.E.)

Indian Express

Tribune

Hindustan (Hindi)

Nav Ekarat Times (Hindi)

Punjab Keshav (Hindi)

The Hindu

Rajasthan Patrika (Hindi)

Deccan Chronicle

Deccan Herald

M.P. Chronicle

A.P. (Hindi)

Indian Nation

Kal Enkya (Hindi)

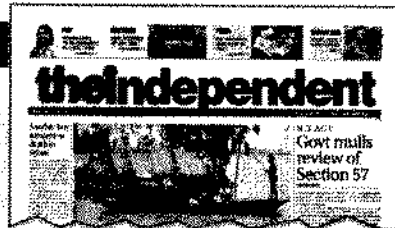
The Times of India (A)

Bika

and documented in Enchirion/English/6 Publicity Section, DMIC

बांग्लादेश के अखबार से

**बाढ़ से हालात और गंभीर  
हुए, कई गांव जलमग्न**



बां ग्लादेश में बाढ़ से हालात और गंभीर हो गए हैं। ब्रह्मपुत्र और तीस्ता नदियां उफान पर हैं। गायबदा उपजिले की कई प्रशासनिक इकाईयों के गांव जलमग्न हो गए हैं। ग्रामीणों को पलायन को मजबूर होना पड़ रहा है। हजारों की संख्या में लोग इससे प्रभावित हुए हैं। कुरिग्राम और नोआखली में तीन लोगों की मौत भी हो चुकी है। कुरिग्राम में लगभग 30 हजार हेक्टेयर क्षेत्रफल में फसलें बाढ़ में

डूब गई हैं। प्रशासन का कहना है कि जलस्तर में जल्द कमी नहीं आई तो आने वाले दिनों में हालात और बिकट हो सकते हैं। प्रभावित इलाकों में सड़क परिवहन पूरी तरह से ठप हो गया है। लोगों को प्रशासन की ओर से सुविधाएं भी पर्याप्त मात्रा में नहीं मिल पा रही हैं। सीमित संसाधनों के साथ प्रशासन को प्रभावित इलाकों में राहत कार्य शुरू करना पड़ रहा है। अनेक स्थानों पर बाढ़ प्रभावितों में प्रशासन के प्रति नाराजगी भी है।

मीटिंग - 24-8-15



Newspapers and other publications published on August 24, 2015 in the

Hindustan Times  
Economic  
The Times of India (H.D.)  
Indian Express  
Tribune  
Punjaber (Hindi)

New Esharal Times (Hindi)  
Punjab Keshari (Hindi)  
The Hindu  
Rajasthan Patrika (Hindi)  
Deccan Chronicle  
Deccan Herald

Times of India  
The Hindu  
The Hindu  
The Hindu  
The Hindu  
The Hindu

For information in English/English Publications Section, G.I.P.

# आधे से ज्यादा देश में सामान्य रहा मानसून

पंजाब-24-8-15

नई दिल्ली, (भाषा): जहां देश के कुछ हिस्सों में सूखे की आशंका के बीच आधे से ज्यादा भारत में सामान्य वर्षा हुई है, वहीं मध्य और दक्षिण भारत के कुछ क्षेत्रों में अब तक कम बारिश हुई है। भारतीय मौसम विभाग के आंकड़ों के मुताबिक, देश के 36 उपमंडलों में से 20 में सामान्य बारिश हुई है। आंकड़े बताते हैं कि देश के 58 फीसदी हिस्से में सामान्य वर्षा हुई है, जबकि 29 प्रतिशत क्षेत्र में कम वर्षा हुई। देश का 13 फीसदी हिस्सा ऐसा है जहां पर बहुत ज्यादा बारिश हुई है। पूरे देश भर में कुल नौ फीसदी कम बारिश रिकॉर्ड की गई है। चार मंडलों में से, उत्तर पश्चिम में सबसे ज्यादा बारिश हुई है। यहां सामान्य से केवल दो प्रतिशत कम बारिश हुई। इसके बाद पूर्वी

और उत्तर पूर्वी हिस्सा आता है जहां पर छह प्रतिशत कम बारिश हुई। वहीं मध्य भारत में 11 फीसदी और दक्षिण प्राय: द्वीप में 20 फीसदी कम बारिश हुई। किसी भी उपमंडल में कम बारिश हुई हो या बिल्कुल बारिश नहीं हुई हो ऐसा नहीं हुआ है जोकि एक सकारात्मक संकेत है। असम, मेघालय, अरुणाचल प्रदेश, सिक्किम, झारखंड, बिहार, उत्तराखंड, हिमाचल प्रदेश, जम्मू कश्मीर, पूर्वी राजस्थान, ओडिशा, पूर्वी मध्य प्रदेश, गुजरात, विदर्भ, छत्तीसगढ़, अंडमान निकोबार द्वीप समूह, तटीय आंध्र प्रदेश, तमिलनाडु, पुडुचेरी, लक्षद्वीप और दक्षिण अंदरूनी कर्नाटक में सामान्य बारिश हुई है। खासतौर पर दक्षिणी प्रायद्वीप और मध्य भारत के कम में

## मौसम विभाग दक्षिण भारत के कुछ हिस्सों में कम बारिश

कम 13 उपमंडल ऐसे हैं जहां पर कम बारिश हुई है। उत्तरी अंदरूनी कर्नाटक में 44 प्रतिशत और महाराष्ट्र के मराठवाड़ा क्षेत्र में 46 फीसदी कम बारिश हुई है। ये देश में अब तक सबसे ज्यादा प्रभावित हिस्से हैं। मध्य महाराष्ट्र में 36 प्रतिशत, कोंकण और गोवा में 33 फीसदी, पूर्वी उत्तर प्रदेश में 34 फीसदी, पंजाब में 31 प्रतिशत, केरल में 30 फीसदी, पश्चिमी उत्तर प्रदेश में 29 फीसदी, तटीय कर्नाटक में 26 फीसदी, हरियाणा, चंडीगढ़, दिल्ली में 25 प्रतिशत, तेलंगाना में 22 प्रतिशत और

आंध्र प्रदेश के रायलसीमा में 21 फीसदी कम बारिश हुई है। उत्तर पूर्वी राज्यों में नगालैंड, मणिपुर, मिजोरम और त्रिपुरा में अब तक 28 प्रतिशत कम बारिश दर्ज की गई है। गंगा के तट से लगे पश्चिम बंगाल के हिस्से (32 प्रतिशत), पश्चिमी राजस्थान, (76 प्रतिशत) और पश्चिमी मध्य प्रदेश (35 प्रतिशत) देश में ऐसे तीन उपमंडल हैं जहां पर ज्यादा बारिश हुई है। मौसम विभाग ने इस साल मानसून कमजोर रहने का पूर्वानुमान जताया है और समझा जाता है कि देश भर में इस बार लगभग 12 प्रतिशत कम बारिश होगी। मानसून के अब तक के दो माह में से जून में 16 फीसदी अधिक बारिश और जुलाई में 17 फीसदी कम बारिश हुई।

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News Bulletin (article, editorial) published on August - 24.8.2015 in the

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

May Bharat Times (Hindi),  
Punjab Kesari (Hindi),  
The Hindu  
Rajasthan Patrika (Hindi)  
Denver Chronicle  
Denver Herald

M.F. Chronicle  
A. & J. (Hindi),  
Indian Nation  
Nri Duniya (Hindi)  
The Times of India (U.)  
Pitts

and documented at Ehenrajsh/English/M. Publicity Section, C.I.C.

## असम : बाढ़ से 4 मरे, 6.5 लाख पर संकट

लगातार हो रही बारिश  
के चलते 1400 से  
अधिक गांव चपेट में

गुवाहाटी @ पत्रिका 24-8-15

patrika.com/india

असम में बाढ़ के हालात शनिवार को और खराब हो गए तथा बाढ़ की चपेट में आने से चार लोगों की मौत हो गई। वहीं लगातार हो रही बारिश के चलते 1400 से अधिक गांव में

6.5 लाख से अधिक लोग प्रभावित हैं। असम में लगातार हो रही बारिश से यहां हालात बंद से बदतर हो गए हैं। इसके कारण असम के 13 से अधिक जिलों में बाढ़ का पानी घुस गया है। असम सरकार ने कोकराझाड़, चिरांग, बंगाईगांव और डिब्रूगढ़ समेत कई जिलों में राहत शिविर स्थापित किए हैं। असम राज्य आपदा प्रबंधन प्राधिकरण (एएसडीएमए) ने कहा कि चिरांग

जिले के बिजनी राजस्व सर्कल क्षेत्र के नंबर 1 कवाड़ी गांव में एक व्यक्ति की वही कोकराझार जिले के डोटामा राजस्व सर्कल में दो अन्य व्यक्तियों की बाढ़ के कारण मौत हो गई।

### ब्रह्मपुत्र का बढ़ा पानी

बाढ़ के चलते विस्थापित हुए 1.23 लाख लोगों ने प्रशासन द्वारा स्थापित 177 राहत शिविरों में पनाह ली। जल संसाधन विभाग ने कहा कि लगातार

बारिश के चलते ब्रह्मपुत्र नदी और उसकी सहायक नदियों में पानी का स्तर बढ़ गया जिसके चलते 19 जिलों में बाढ़ की स्थिति पैदा हो गई। वन विभाग की रिपोर्ट के मुताबिक काजीरंगा नेशनल पार्क के अंदर 27 अवैध शिकार विरोधी शिविरों में बाढ़ का पानी आ जाने से पुल और बुराफहर रैंज में पुलिया क्षतिग्रस्त हो गई। राज्य को दूसरी बार ऐसी भीषण का सामना करना पड़ रहा है।

News Item/Letter/Article/Editorial published on August-24-8-2015 in

Hindustan Times

Statesman

The Times of India (N.D.)

Indian Express

Tribune

Hindustan (Hindi)

Nav Bharat Times (Hindi)

Punjab Keshari (Hindi)

The Hindu

Rajasthan Patrika (Hindi)

Deccan Chronicle

Deccan Herald

L.P. Chronicle

A. e. (Hindi)

Indian Nation

Nai Dunia (Hindi)

The Times of India (A)

Blitz

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

## यमुना की सफाई पर एनजीटी नाराज

■ पीटीआई, नई दिल्ली : यमुना की सफाई के प्लान को ठीक तरह से लागू न करने को लेकर एनजीटी ने केंद्र और दिल्ली सरकार को बमकद लगाई है। 13 जनवरी को ग्रीन ट्रिब्यूनल ने 'मैल्टी से निर्मल यमुना : रिवाइटेड इजेशन प्लान-2017' पर अपना फैसला सुनाया था। इसमें यमुना की सफाई और उसे मौलिक रूप में वापस लौटाने का काम शामिल था। एनजीटी ने कहा कि इस प्रोजेक्ट को 2017 तक पूरा कराने के लिए सरकारों की तरफ से बेहद ठंडा रिसॉन्स रहा है।

नं-24-8-15

News item/letter/article/editorial published on August 24.8.2015 in the

Hindustan Times	Nav Bharat Times (Hindi)	M.P. Chronicle
Statesman	Punjab Keshari (Hindi)	A. & J. (Hindi)
The Times of India (H.D.)	The Hindu	Indian Nation
Indian Express	Rajasthan Patrika (Hindi)	Kal Duniya (Hindi)
Tribune	Deccan Chronicle	The Times of India (A)
Hindustan (Hindi)	Deccan Herald	Blitz

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

## नेपाल में 5.0 तीव्रता का भूकंप

काठमांडू @ पत्रिका, नेपाल में  
रविवार को भी भूकंप के झटके  
महसूस किए गए। रिक्टर पैमाने  
पर इसकी तीव्रता 5.0 रही।  
रविवार को भूकंप नेपाल के  
नामने, काठमांडू में आया। इसके  
अलावा दिल्ली, बिहार, उत्तरी  
बंगाल और सिक्किम में भी  
झटके महसूस किए गए। नेपाल  
में स्थानीय समयानुसार तकरीबन  
2.30 बजे हल्के झटके आए।  
भूकंप का केंद्र कोठारी से 25  
किमी दूर दक्षिण-पूर्व में था।

For a full-length article, editorial published on *16 August 2015* in the

<sup>1</sup> *Journal of the American Medical Association*, 1997; 277: 1033-1037.

## Summary

The Times of India (N.S.)

[illegible]

Table 1. *Continued*

$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

Very Early Time: 1990

1952: 1952-1953

The Finder

Figure 6 shows the calculated results.

Case: Case

Lesson Number:

### 3.1.2. *Case Study 2: The Case of the Missing*

[illegible]

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$   
 $\frac{1}{4} \times \frac{1}{4} = \frac{1}{16}$   
 $\frac{1}{16} \times \frac{1}{16} = \frac{1}{256}$

*ELC/ESF Names of English/Erzeltete Publicity Section, CHC*

**‘जल पुरुष’ राजेंद्र सिंह को मिलेगा अंतर्राष्ट्रीय जल पुरस्कार**

स्टॉकहोम (स्वीडन), (वार्ता). 'जल पुरुष' के नाम से मशहूर भारत के राजेंद्र सिंह को 26 अगस्त को पानी का नोबेल पुरस्कार माने जाने वाले स्टॉकहोम वाटर प्राइज से सम्मानित किया जाएगा।

स्वीडन के राजा कार्ल सोलहवें गुस्ताव स्टॉकहोम सिटी हॉल में श्री सिंह को यह पुरस्कार प्रदान करेंगे। पुरस्कार के तहत एक लाख 50 हजार डॉलर और एक विशेष कलाकृति दी जाती है। श्री सिंह को विश्व जल सप्ताह को रजत जयंती के मौके पर



यह पुरस्कार दिया जा रहा है जिसमें पहले सुलभ इंटरनेशनल का, बिदेश्वर पाठक (2009), और फिर सार्दाई एंड एनवारमेट (2015) तथा डॉ माधव विताले (2015) को यह पुरस्कार मिल चुका है। डॉ सिंह ने पानी की कमी के साथ-साथ

राजस्थान में जल संरक्षण की दिशा में उल्लेखनीय काम किया है। 'स्टॉकहोम वॉटर प्राइज़' समिति के निर्णायकों का कहना है कि श्री सिंह की जल-संचय पद्धति से बाढ़ और मिट्टी के अपरदन का खतरा कम हुआ है जिससे वन्य जीवन को भी लाभ पहुंचा है। उनके तौर-तरीके आसान और सस्ते हैं जिन्हें सारी राज्यों में अपनाना चाहिए।

उन्होंने बारिश के पानी को धरती के भीतर पहुँचा दिया। उन्होंने भारतीय पद्धति को जो आज भी हमारी से अपनाया है, उसमें छोटे-छोटे पोखरों का निर्माण किया जाता है जो बारिश के पानी से नालबल भर जाते हैं और फिर इस पानी को धरती भीत-धीरे सोख लेती है।

News item/letter/article/editorial published on August-22-08-2015 in the

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

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

I.P. Chronicle  
A. & J. (Hindi)  
Indian Nation  
Hal Buniya (Hindi)  
The Times of India (M.)  
Bhaskar

and documented at Ehacirath/English/5. Publicity Section, CWC

# Assam flood worsens, HM reviews situation

ESS TRUST OF INDIA  
New Delhi, 21 August

Home Minister Rajnath Singh today reviewed flood situation in Assam and assured all central assistance for rescue and relief operations there.

Singh telephoned Assam Chief Minister Tarun Gogoi, who briefed him about the floods which have hit people in 13 districts.

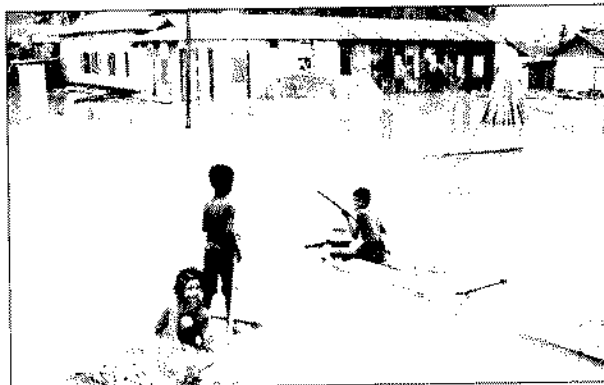
"Central and state agencies are carrying out relief and rescue operations. I have assured the Chief Minister of all possible assistance from the Centre to help the people in flood-affected areas of the state," he said here.

Assam's flood situation has worsened following incessant rainfall in the catchment areas affecting



nearly three lakh people in 13 districts of the state.

Brahmaputra river was flowing above the danger level at Nematighat in Jorhat and Dibrugarh and was maintaining a rising trend in most of the other districts, according to a report issued by the Assam State Disaster Management Authority.



**Rivers swell:** The flood situation in Assam worsened today following incessant rainfall in the upper catchment areas of Bhutan and Arunachal Pradesh, affecting more than three lakh people in 13 districts and hit road communication in several places.

The water level of the

rivers flowing through the districts of Dhemaji, Lakhimpur, Kokrajhar, Bongaigaon, Chirang, Barpeta, Jorhat, Baska, Sonitpur and Dibrugarh was rising alarmingly while in Nalbari, Sivasagar and Tinsukia districts it was maintaining a rising trend, Water Resources Department

report said. Brahmaputra river was flowing above the danger level at Nematighat in Jorhat and Dibrugarh and was maintaining a rising trend in most of the other districts. Several areas of Kaziranga National Park were under flood waters forcing wild animals to move to highland areas.

Flood waters have inundated vast tracts of land in Burapahar and northern range of the park but there was no loss of any wildlife so far, he said. Many other rivers in Kokrajhar, Bongaigaon, Barpeta, Morigaon, Sonitpur and Nalbari district are also flowing above the red mark.

Over three lakh people have been affected in 611 villages while nearly 30 hectares of cropland are under flood water.

Deen Bandh Upadhyay Memorial Publication on August - 22, 2018 in the

Hindustan Times  
 Express  
 The Indian Express  
 The Indian Express  
 The Indian Express  
 The Indian Express

Deen Bandh Upadhyay Memorial  
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Deen Bandh Upadhyay Memorial Publication Section 0-10

# Even treated water shouldn't be released into Ganga: Bharti

**NIITISH SHARMA**  
 TRIBUNE NEWS SERVICE

**KURUKSHETRA AUGUST 21**

Ganga is among the top 10 polluted rivers in the world and we are committed to turn it into the 10 cleanest rivers in the world within three to seven years.

This was stated by Uma Bharti, Minister of Water Resources, River Development and Ganga Rejuvenation. She was in the city to attend Bhujal Manthan - a national dialogue on clean and sustainable ground water-organised by Central Ground Water Board here today.

"Even treated water should not be allowed to flow in Ganga. It should be used for other purposes like agriculture, gardening and infrastructure development. NDMC is an example as gardening there done using treated water. A plan needs to be prepared in this context. The classification of water must be done," she added.

She said that before constructing any dam it must be



Union Minister Uma Bharti lights the ceremonial lamp to inaugurate a seminar on Bhujal Manthan at Kurukshetra University on Friday. Agriculture Minister OP Dhankar looks on. TRIBUNE PHOTO: RAVI KUMAR

ensured that the dam would not kill any river. There must be ample water flowing in the river every time so that the rivers are kept alive," she observed.

Expressing her concern

with the condition of Yamuna River, Bharti said that the real Yamuna ends at Hathinikund Barrage. If Haryana adopts the latest technology and let it flow in Yamuna, the real river would

Treated water should be used for agriculture, gardening and infrastructure development. The NDMC has set an example. It uses treated water for gardening. A plan needs to be prepared in this context. The classification of water must be done.

**Uma Bharti, UNION MINISTER**

again flow till Prayag. We have talked to UP in this context and would ask Delhi not to ask for more water than its allotted share," she added.

"The situation of ground water level in Haryana is a matter of concern. Out of 116 blocks, 71 blocks are over exploited, 15 blocks critical, seven blocks semi-critical while only 23 blocks are safe," she pointed out. Agriculture Minister OP Dhankar raised the water dispute between Haryana and Punjab and sought her intervention.



News item/Editorial/article published on August-22-2015 in the

Hindustan Times

Statesman

The Times of India (M.L.)

Indian Express

Tribune

Hindustan (Hindi)

New Bheral Times (Hindi)

Punjab Keshera (Hindi)

The Hind

Rajasthan Patrika (Hindi)

Dussehra Chronicle

Dussehra Herald

M.P. Chronicle

/a/ (Hindi)

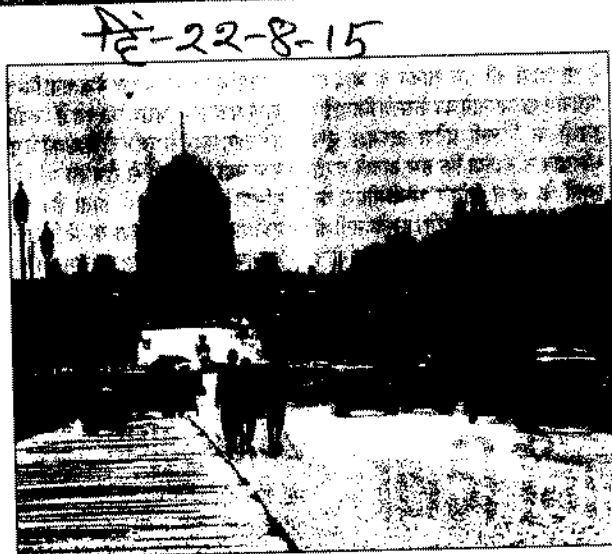
Indian Nation

Nal Dandya (Hindi)

The Times of India (M)

EPH

and documented at Ehasirath/Enollakhs Publicity Section, CMC.



नई दिल्ली में शुक्रवार को हुई बारिश के बाद मौसम सुहावना हो गया। • प्रेस

## दो दिन और बारिश होगी

**नई दिल्ली।** अगले दो दिन दिल्ली में बारिश दर्ज होगी। मौसम वैज्ञानिक बीपी यादव ने बताया कि मानसून रेखा दिल्ली के ऊपर से गुजर रही है जिसके चलते अगले दो से तीन दिनों में दिल्ली में रुक-रुक कर बारिश दर्ज की जा सकती है। 25 जुलाई के बाद आसमान साफ होने की संभावना है।

मौसम विभाग के अनुसार, शुक्रवार को अधिकतम तापमान 34.2 डिग्री सेल्सियस और न्यूनतम तापमान 27.8 डिग्री सेल्सियस दर्ज किया गया। वहीं, शनिवार को अधिकतम तापमान 34 डिग्री सेल्सियस व न्यूनतम तापमान 27 डिग्री सेल्सियस के करीब रहने की संभावना है। (प्र.सं.)

News from India (Newspaper) published on: August-22-2015

Hindustan Times

Starline

The Times of India (N.D.)

Indian Express

Tribune

Hindustan (Hindi)

Nav Bharat Times (Hindi)

Punjab Kesari (Hindi)

The Hindu

Rajasthan Patrika (Hindi)

Deccan Chronicle

Lakshmi Herald

USA Chronicle

7-8 (Hindi)

Indian Union

Indi Enquiry (Hindi)

The Times of India (V.)

EPIC

and documented in English & Hindi Publicity Section, CMC

# 15 हिन्दुस्तान

नई दिल्ली • शनिवार • 22 अगस्त 2015

## लेखा-जोखा

## उत्तर भारत में 20 से 60% कम बारिश

मानसून ठीकी से आ रहा है, जिससे देश के सूखाग्रस्त हिस्सों की स्थिति विकट हो सकती है। हिमालय के पास स्थित उत्तरी राज्यों, दक्षिण पश्चिमी तट और दक्षिणी-मध्य भारत में पिछले दो माह में सामान्य से 20 से 60 फीसदी कम बारिश हुई है। पर अभी उम्मीद है क्योंकि कई मौसम प्रणालियां पानी बरसा सकती हैं।

### अभी बादलों से मेहरबानी की उम्मीद

बंगाल की खाड़ी में निम्न वायुदाब के चलते 'मानसून लो' आकार ले रहा है। 26 अगस्त के बाद से यह बिहार, छत्तीसगढ़ और दिल्ली में भारी बारिश करा सकता है। इन इलाकों में बारिश सामान्य के स्तर पर पहुंच जाएगी। हिमालय तराई में अभी मानसून रेखा मौजूद है जो जम्मू और आसपास पानी बरसाएगी। पश्चिमी विक्षोभ के प्रभाव से हिमालय के आसपास बादल मेहरबान रहेंगे। सिर्फ सूखे से परेशान कर्नाटक, तेलंगाना, मध्य महाराष्ट्र और केरल की स्थिति सुधरती नहीं दिखाई दे रही है। मौसम विभाग के तीन सबडिविजन में सामान्य से ज्यादा, 19 में सामान्य और 15 में कम बारिश हुई है।

### सामान्य से कम बारिश

बिहार	20%
पूर्वी यूपी	30%
वेस्ट यूपी	40%
चंडीगढ़	50%
पंजाब	60%

### यहां है बदतर स्थिति (कम बारिश)

मराठावाड़ा	40%
मध्य महाराष्ट्र	30%
कर्नाटक	40%
केरल	30%
गोवा	20%

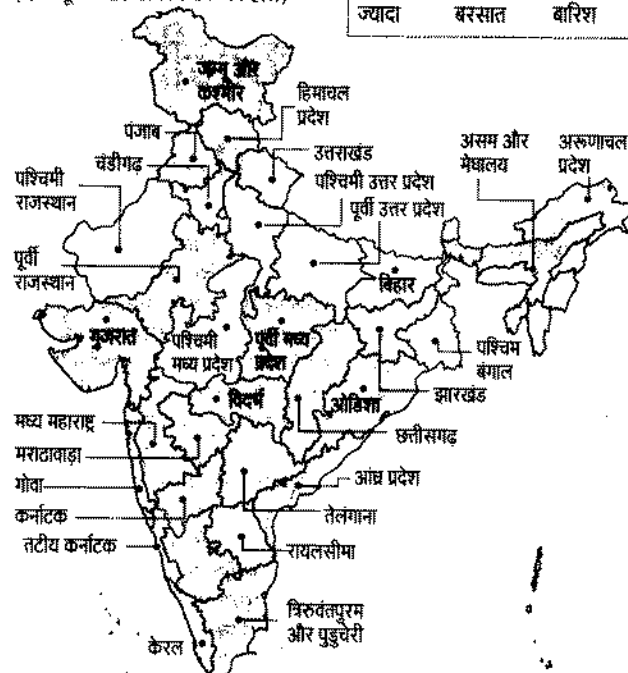
### आंकड़ों से ज्यादा हो रही बारिश

मौसम एजेंसी स्काइमेट के मुख्य विज्ञानी महेश पलावत मुताबिक आंकड़ों में बारिश हकीकत से कम है। इसका कारण 'पैवी रेन' यानी एक ही इलाके में कहीं कम कहीं ज्यादा बारिश है। मानसून ज्यादा मजबूत नहीं होने से इस तरह की बारिश हो रही है। इससे मौसम एजेंसियों के आंकड़ों में तो बारिश कम दिख रही है, लेकिन फसलों को पर्याप्त पानी मिल जा रहा है।

### कहां कितनी बरसात

(एक जून से 20 अगस्त तक का हाल)

सामान्य से ज्यादा सामान्य बरसात कम बारिश



✓ Hindustan Times ( Delhi )  
 जम्मू और कश्मीर 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 ( Bengaluru )  
 The Deccan Chronicle ( Hyderabad )  
 Central Chronicle ( Bhopal )

# More than foreign tech, our choices can revive Yamuna

METRO MATTERS



SHIVANI SINGH

I never miss a chance to soak up the view of the city whenever I am on the 17th floor of the HT building. From up there, one can still spot almost all of central Delhi's landmarks – the medieval domes, Nehru stadium and Pragati Maidan. Last week, I caught a rare view of the Yamuna. It seemed like a mirage.

In Delhi, monsoon is the only time the Yamuna behaves like a river. The surplus rainwater from the upstream allows it to reclaim the floodplain. It increases its span and flow. It even appears blue from a distance.

How do Delhi residents react to a river in flow? Going by the hyperventilating TV reports, they fear a deluge of the Waterworld variety every time the riverbed fills up with rainwater. But can one fault them when most of the new residents of Delhi have always known the Yamuna as an oversized toxic sewer?

Last week, HT reported on the government's plan to seek foreign participation in reviving the Yamuna. We could pick up techniques on river cleaning but the plan to develop our riverfront has to be our own.

Even after all those encroachments in the form of unauthorized colonies, metro yards, train stations, bus depot, a temple, residential complexes, and power plants, a huge floodplain is left unclaimed in Delhi. Not many urban centres in the world can boast of such vast expanses along their rivers.

Most western cities compromised their floodplains centuries ago by heavily urbanising on its rivers and wetlands. Paris, for instance, has all major landmarks such as Notre Dame, the Louvre Museum, Eiffel Tower and the Musée d'Orsay built on the Seine floodplains. The Organisation for Economic Cooperation



• The Yamuna behaves like a river only in monsoon when surplus water from upstream flows into it. ARUN SHARMA/HT FILE PHOTO

and Development last year warned that a once-a-century event (the last big flood was in 1910) would cripple France's commercial, political and cultural centre.

According to WWF's report 'Keeping the River Alive', over 200 years, the Rhine has lost more than 85% of its floodplain due to dams, dykes and urbanization, resulting in dramatic reduction in its natural flood retention functions as witnessed in the floods during 1993-95. The floodplain of the Danube and its five tributaries had seen a decline of 80%.

At least 1.5 million people live in the floodplain of the Thames and its tributaries where the stately riverside structures of London also sit.

Two years back, I was shocked watching, on news, Vltava waters flooding the heritage esplanades — and threatening to knock down the Charles Bridge with accumulated debris — just days after I flew home from Prague. The Czech capital just like Budapest, Vienna, Dresden, Passau or Bratislava (all affected by the 2013 floods) is built right on the river it flanks.

"In most developed cities in the world, multi-channel rivers have been turned into single-channel canals," says Manoj Misra of Yamuna Jiye Abhiyan. "They appear attractive but that is not what you call river restoration." It was on Misra's petition that the NGT ordered

Maili se Nirmal Yamuna Revitalisation Project 2017.

If at all, we could learn from the west how they are undoing the damage they perpetuated on their riverfronts for centuries. The idea of freeing rivers is gaining ground in many countries. After building dykes to keep waters from entering the country for 800 years, the Dutch are now implementing the "Room for the River" project. They are moving dykes back, increasing the depth of flood channels, and constructing a flood bypass. The Dutch government also demolished 50 houses and some shops to make room for the river Waal.

Relocating a fifth of its population that lives on the floodplain is not an option for Delhi. But there should not be any excuses for not removing non-residential structures, upscale farmhouses or imposing a permanent ban on fresh construction in the floodplains.

That the river needs fresh water to live is native wisdom. We don't need foreign consultancy for that. If we stop throwing waste, the river will stop being a drain. If we stop cluttering the riverbed, it will have breathing space. If we don't eye immediate real estate value, the floodplain will be our insurance for water and fresh air for all times to come. We have to make these choices ourselves.

• shivani.singh@hindustantimes.com

दिनांक 24.3.1974 को निम्नलिखित समाचार पत्रों में प्रकाशित जाकर/बाद राज की समाचार

Hindustan Times (Delhi)  
 The Indian Express (Delhi)  
 The Tribune (Chandigarh)  
 The Hindu (Chennai)

The Assam Tribune (Guwahati)  
 The Times of India (Mumbai)  
 The Telegraph (Kolkata)  
 The New Indian (Patna)

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

## असम बाढ़ : 13 की मौत, 6.5 लाख लोग प्रभावित



■ पीटीआई, गुवाहाटी : असम में जारी बाढ़ के प्रकोप से अब तक 13 लोगों की मौत हो चुकी है। भारी बारिश और बाढ़ की जड़ में 18 जिलों के 1291 गांव के 6.16 लाख से ज्यादा लोग आ गए हैं। रविवार को असम के मुख्यमंत्री तरुण गोगोई ने बाढ़ से सबसे ज्यादा प्रभावित कोकराझार, चिरांग, बोंगईगांव, धुबरी और लखीमपुर जिले का हवाई दौरा किया। कोकराझार में सबसे ज्यादा 1.64 लाख लोग बाढ़ से प्रभावित हैं। मुख्यमंत्री ने बाढ़ प्रभावित लोगों को राहत के लिए सरकार का काम किया है और प्रभावित जिलों के अधिकारियों से

दिनांक 23.3.1955 को निम्नलिखित समाचार पत्र में प्रकाशित हुआ कि/ क्या उदापुरी समाचार

Hindustan Times (Delhi)  
 The Pioneer (Delhi)  
 The Tribune (Chandigarh)  
 The Hindu (Chennai)

The Assam Tribune (Guwahati)  
 The Times of India (Mumbai)  
 The Telegraph (Kolkata)  
 Dargachal (Raipur)

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



**JAL SATYAGRAH**

Villagers during the second day of 'Jal Satyagrah' after the Upper Veda dam water reaches to the fields and houses submerged at village Udaipur, district Khargone, Madhya Pradesh on Saturday

— PTI



दिनांक 23 अगस्त 1947 को अंग्रेजोलेखित समाचार पत्रों में प्रकाशित आंग्रेजी/ बाङ्ला समाचार

Hindustan Times ( Delhi )

भारत 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 ( Bhanguru )

The Deccan Chronical ( Hyderabad )

Central Chronical ( Bhopal )

## देश के हर जगह में अब बारिश में कमी

बारिश, यह विजयी देश के कई इलाकों में हाल के दौर की अमीर बारिश के बाद अब हर जगह में बारिश में कमी आ गई है। इसके कारण पूरे देश में औसत बारिश में 9 प्रतिशत तक की कमी आ गई है। माना जा रहा है कि इससे कई राज्यों में फसलों पर असर पड़ सकता है, खासकर दक्षिण के राज्यों में। देश में इस समय तक 639 मिमी बारिश हो चुकी चाहिए थी, लेकिन हुई है 580.5 मिमी। बारिश में सबसे ज्यादा 20 प्रतिशत की कमी दक्षिण के राज्यों में दर्ज की गई है।

## चंडीगढ़-शिमला हाईवे पर भूस्खलन

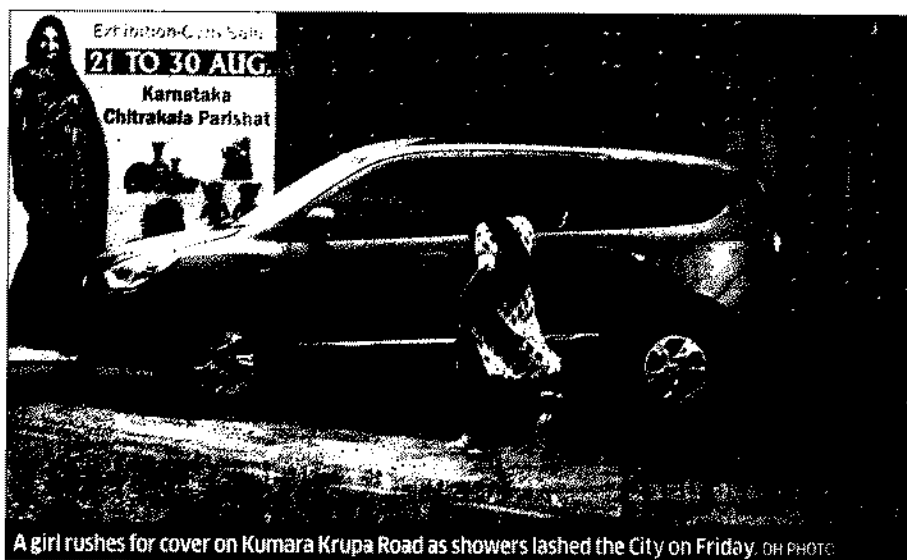
भारत-पाकिस्तान सीमा पर चंडीगढ़-शिमला हाईवे पर भूस्खलन के बाद यातायात को बंद कर दिया गया। शनिवार रात के से हो रही लगातार बारिश के कारण भूस्खलन होने से चंडीगढ़-शिमला राजमार्ग को तप्त देनी और रात्रि कर्मियों के बीच बंद कर दिया गया है। शिमला जाने वाले बसों को किसी अन्य रास्ते से जाना जा रहा है।

दिनांक 29.3.2015 को निम्नलिखित समाचार पत्र में प्रकाशित मानसूनी/ बाढ़ सम्बन्धी समाचार

Hindustan Times ( Delhi )  
समारा 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 )



A girl rushes for cover on Kumara Krupa Road as showers lashed the City on Friday. DH PHOTO

## Rain throws traffic out of gear in City

**BENGALURU, DHNS:** The moderate rains that lashed the City on Saturday evening threw traffic out of gear, inconveniencing commuters.

Traffic was seen moving at snail's pace in most parts of the City such as MG Road, Richmond Road, Double Road, Jayanagar 4th Block, KR Road, Sankey Road, Brigade Road and surrounding areas. According to the officials at Bruhat Bengaluru Mahanagara Palike control room, a tree fall was reported near Ambedkar Medical College in Kaval Byrasandra. There was also a complaint of waterlogging at Opera Circle in Ashok Nagar. Commuters had a harrowing time in reaching their destinations as more than 1,000 BMTC buses have been deployed for BBMP elections.

The auto drivers made most of the opportunity by demanding exorbitant fare from the hapless commuters stuck in rain. The showers also affected the last-minute poll preparations of

### Temperatures and rainfall

DATE	MAXIMUM	MINIMUM	RAINFALL
August 16, 2015	31.1	22	Nil
August 17, 2015	9.3	20.2	27.3 mm
August 18, 2015	29.6	21.3	Nil
August 19, 2015	30.8	22.3	Nil
August 20, 2015	31.2	22.4	0.8 mm
August 21, 2015	31.6	21.7	14.4 mm (up to 8.30 pm)

(Temperatures in degree Celsius)

candidates as well as election officials. The Indian Meteorological Department has forecast rains on Saturday, the polling day for BBMP elections. Over the last few days the City was not seeing a rise in mercury levels, but on Friday evening this phenomenon changed.

"A low pressure area is likely to develop over north Bay of Bengal within the next three days. As a result of this City has been experiencing rainfall and will also experience rain on Saturday

towards afternoon and evening," said Dr Geeta Agnihotri, Director in-charge, IMD Bengaluru. Thus City was experiencing a rise in temperature over the last 2-3 days and it was temporary. Changes in weather and wind pattern are a common phenomenon during this season, she added. The IMD has forecast rain or thundershowers for Saturday and rains, if any, may affect the voter turnout for the BBMP elections.

**DH News Service**



दिनांक २३, २४, २५ को निम्नलिखित समाचार पत्र में प्रकाशित मानसून/ बाढ़ सम्बन्धी समाचार

Hindustan Times ( Delhi )  
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The Deccan Herald ( Bengaluru )  
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 Central Chronicle ( Bhopal )

## Six feared dead in Assam flood

### 19 districts of state affected, six lakh marooned

**GUWAHATI:** At least six people were feared dead as the flood situation in Assam worsened on Friday following incessant rainfall in the upper catchment areas of Bhutan, Arunachal Pradesh and Meghalaya inundating fresh areas in the Brahmaputra valley. As many as 19 districts of the state are affected and 5.76 lakh people are marooned.

At least six people are feared to have been washed away in lower Assam's Engalmari area in Dhubri district. A total of seven were travelling in a passenger van when it was washed away by heavy currents.

On Friday, one woman passenger was rescued by locals at Singimari area.

Union Home Minister Rajnath Singh reviewed the situation on Friday and assured Chief Minister Tarun Gogoi of

#### Relief from heat as rain lashes Delhi

Rain lashed various parts of the national capital on Friday bringing much needed respite for Delhiites from humidity that persisted for the past several days, PTI reports from New Delhi.

Rainfall of 6.2 mm was recorded till 5.30 pm as humidity levels oscillated between 63 and 75 per cent, a Met official said. The weatherman has predicted light rains in some areas for Saturday.

full support from Centre.

Brahmaputra is flowing above danger mark in Neematighat, Dhubri and Tezpur. Jia Bharali river in Tezpur, Puthimari in Kamrup, Manas in Barpeta and Sankosh in Golakganj were flowing above danger level. In Assam's Barak valley, Kushiara river is flowing above danger level in Karimganj.

According Assam State Disaster Management Authority in the past 24 hours one person has drowned in floodwaters in

Bijni revenue circle of lower Assam's Chirang district. In the Dotma revenue circle of neighbouring Kokrajhar district two people have died.

Chief Minister Tarun Gogoi reviewed the situation with Minister for Water Resources Basanta Das and senior officials in Dispur on Friday and directed the authorities to provide necessary food, medicine and drinking water to relief camp inmates.

1.22 Lakh people have been shifted to 177 relief camps in

the state; over 77,000 of them are housed in 133 camps in the worst affected Kokrajhar district. The floods have caused huge loss to standing paddy and livestock.

Rural road and irrigation infrastructure in lower Assam has been totally devastated, the floods have also broken down bridges and washed away part of national highways in different parts of the state. Apart from NDRF, the Army is assisting the flood rescue operations in the state.

The Army continued its flood relief operations in Lower Assam, providing succour to more than 2,500 people in the past 24 hours, Army sources said.

The Army has so far deployed six columns along with speed boats and other rescue boats in the flood-hit districts of lower Assam.

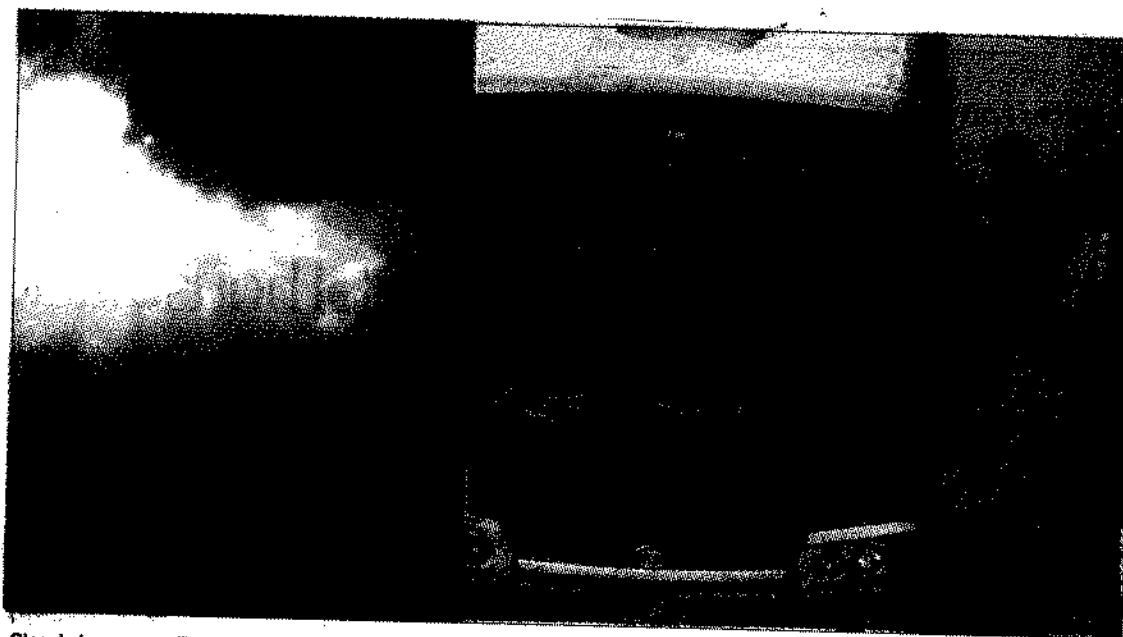
**DH News Service**

दिनांक 22 अगस्त, 15 को निम्नलिखित समाचार पत्र में प्रकाशित मानसून/ बाढ़ सम्बन्धी समाचार

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Clouds loom over Rajpath while a woman struggles to board a bus in a waterlogged area in New Delhi on Friday.  
 TRIBUNE PHOTO: MANAS RANJAN BHUI

# 40 rainwater harvesting structures to be set up

They will help restore depleting groundwater table in NDMC areas

NEW DELHI, AUGUST 21

The NDMC will come up with 40 rainwater harvesting structures at prime locations in Lutyens' Delhi which will also help restore depleting groundwater table.

"We are developing rainwater harvesting systems with storage facilities. At these spots, the rainwater could be stored and excess water used to recharge the groundwater table," NDMC chairman Naresh Kumar today said.

Kumar said 40 such structures will be set up under the project and as of now, 10 locations have been identified. The systems will be operational in another six months.

Locations identified for the Phase I of the project include Shantipath, Commonwealth games village, Singapore Embassy road, Sardar Patel Marg and Lodhi Garden among others.

"The 10 plants will have a water storage capacity of

50,000 to 1 lakh litre and excess water will be used for perforation of grounds.

"Also during the summer season, we are not able to contain our grass cover properly. We are also strengthening the reservoirs we already have for storing water. Delhi Jal Board services will be used to provide water during summer time to these reservoirs," he added.

As part of its green city initiative, the council has also

launched a major plantation drive in which around one lakh saplings are scheduled to be planted.

Saplings from 20 countries, including Bangladesh, Argentina, Sri Lanka, Pakistan, Thailand, the US, Brazil, Australia, Chile, Cuba, Indonesia and Laos, among others will be planted during the drive.

The NDMC area is home to the high and mighty of the country.—PTI

दिनांक 29 अगस्त, 15 को निम्नलिखित समाचार पत्र में प्रकाशित मानसून/ बाढ़ सम्बन्धी समाचार

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 The Deccan Chronicle ( Hyderabad )  
 Central Chronicle ( Bhopal )

## Rain brings relief from humidity

**NEW DELHI:** Rain lashed various parts of the national capital on Friday bringing much needed respite for Delhiites from the humidity that persisted for the past several days.

Rainfall of 6.2mm was recorded till 5.30 pm as humidity levels oscillated between 63 and 75 per cent, a Met official said.

"The maximum temperature was recorded at 34.2 degrees Celsius, whereas minimum settled at 27.8, both one notches above normal for this time of the year," a Met official said.

The weatherman has predicted light rains in some areas on Saturday.

"Light rain or thundershow can occur in several areas. Humidity levels are expected to be high," he said.

The maximum and minimum temperatures are likely to settle at 34 and 27 degrees Celsius, respectively. On Thursday, the minimum and maximum temperatures were recorded at 27.7 and 34.5 degrees Celsius respectively.

PTI



■ The city received 6.2mm of rainfall till 5.30pm on Friday. The Met department predicted light rains for Saturday. RAVI CHOUDHARY / HT

दिनांक २२ अक्टूबर १५ को निम्नलिखित समाचार पत्र में प्रकाशित भाजसूत्र/ बाक सम्बन्धी समाचार

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Central Chronicle ( Bhopal )

# For Ganga, inspiration flows from Rhine, once among dirtiest rivers

Visiwa.Mohan@timesgroup.com

**New Delhi:** As India stares at the mammoth task of cleaning the Ganga and looks for inspiration outside the country, it is the Rhine river of western Europe which has caught the attention of policy-makers here due to its record of rejuvenation despite once being one of the most polluted river systems of the world.

India initially looked at many success stories while making its plan to clean the national river. However, Rhine scored over Thames (England), Seine (France), Danube (central and eastern Europe), Mississippi (USA) and river Singapore.

Germany, which played a significant role in rejuvenating this river system which passes through many countries in western Europe, had made a number of presentations and impressed officials here who have been looking for some workable solutions to clean Ganga.

A team of officials from the water resources ministry will now travel to Europe next week to see how countries like Austria, Switzerland, Germany, France and Netherlands managed the river system

which once saw discharge of industrial effluents and solid waste from cities like Basel, Strasbourg, Worms, Mainz and Cologne.

"This is, however, a thing of the past. The western European countries had fought many odds and achieved what

we are now planning to do with Ganga and Yamuna," said an official, noting that Rhine is much cleaner despite having many chemical industrial units along its bank.

The lesson from Rhine will be clubbed with what India would learn from Australia on

maintaining the Murray-Darling Basin, one of the world's largest river systems. The third country which would help in the process is Israel, the world leader in drip irrigation technology.

For the full report, log on to [www.timesofindia.com](http://www.timesofindia.com)

## GANGA RIVER IT IS INDIA'S NATIONAL RIVER

LENGTH: **2,525 km**

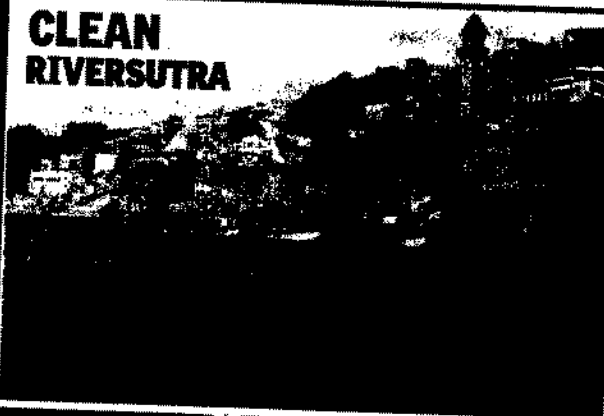
Ganga basin is the largest river basin in India in terms of catchment area (8,61,404 sqkm in India)

Covers an area of

**1,086,000 sqkm,** extending over India, Nepal and Bangladesh

**About 79%** area of Ganga basin is in India

## CLEAN RIVERSUTRA



## RHINE RIVER GERMANY, AUSTRIA, SWITZERLAND, FRANCE, NETHERLANDS & LIECHTENSTEIN

LENGTH - **1,320 km**

- > A number of industries are located along the river
- > Germany has already offered India to assist in Ganga rejuvenation in view of its success in the rejuvenation of Rhine
- > Germany had in January committed \$3 million to support Ganga rejuvenation

## MURRAY-DARLING RIVER BASIN AUSTRALIA

- > It is one of the largest and driest river systems in the world

### IT IS DIVIDED INTO TWO SYSTEMS

- > Northern basin - Darling system
- > Southern basin - Murray system
- > The total basin covers a huge area of over one million sq km

हिमांक ३२, अक्षांश २५ को निम्नलिखित समाचार पत्र में प्रकाशित मानसून/ बाढ़ सम्बन्धी समाचार

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

## Swelling Ganga poses threat in UP



People shift to safer places from submerged areas near the Ganga in Allahabad on Friday. PTI

# Assam flood scene grim, 5.78 lakh hit

**BIJAY SANKAR BORA**  
 TRIBUNE NEWS SERVICE

**GUWAHATI, AUGUST 21**

The flood situation in Assam has remained grim with the main channel Brahmaputra and several of its tributaries flowing above the red mark in different parts of the state.

The floods have so far affected over 5.78 lakh people from 1,071 villages under 51 revenue circles spread over 19 districts of the state.

Assam state disaster man-

agement authority informed that over 1.68 lakh people had been affected by the flood in the worst-affected Bongaigaon district followed by over 1.3 lakh people in neighbouring Barpeta district.

The rivers in Assam are on spate because of incessant rain in Assam valley, neighbouring Arunachal Pradesh and Meghalaya. Army personnel have been pressed into flood rescue and relief operations in worse-affected districts.

Standing paddy crop on over 55,200 hectares has been inundated by the flood, including 16,027 hectares in Kokrajhar district and 13,122 hectares in Dhemaji district.

The state government has set up 177 flood relief camps so far where over 1.22 lakh people had taken shelter till today. The maximum 77,480 flood-hit have taken shelter in relief camps in Kokrajhar district, while 43,923 flood-hit are being sheltered at relief

camps in Bongaigaon district.

The Army informed that despite heavy rainfall and bad weather, its personnel continued with flood relief operations in western Assam, providing succour to more than 2,500 people since last night. Not only has the Army rescued marooned people from ravaging waters, it is also providing humanitarian assistance along with the district administrations in the form of medical aid and food items.

দেশের ১২, ৩০ টি পত্রিকা নিম্নলিখিত সংবাদপত্রের মাধ্যমে প্রকাশিত হইবে/ বিহীন সংবাদপত্রের মাধ্যমে

Hindustan Times (Delhi)  
দৈনিক ইন্ডিয়ান (দিল্লী)  
The Tribune (Chandigarh)  
The Hindu (Chennai)

The Assam Tribune (Guwahati)  
The Times of India (Mumbai)  
The Telegraph (Kolkata)  
দৈনিক ইন্ডিয়ান (কলকাতা)

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



Relief materials being transported to a flood affected area at Bilasipara in Dhubri district on Friday. — UB Photos

## 8 dead, 6 lakh hit by floods in State

GUWAHATI, Aug 21: Eight persons died and over six lakh people hit by the floods in Assam, where the rising Brahmaputra river and its tributaries have flooded 19 districts prompting the Army to launch relief operations.

The Assam State Disaster Management Authority (ASDMA) said one person died due to the flood at No 1 Kawadi village under Bijni revenue circle in Chirang district and two others in Dotoma revenue circle in Kokrajhar district.

Two persons have died in Lakhimpur and one each in Bongaigaon, Baksa and Sonitpur districts, the ASDMA said in a press release today.

gar, Nalbari, Goalpara, Morigaon, Dhubri, Kamrup, Golaghat, Darrang, Nagaon, Kokrajhar, Bongaigaon, Chirang, Bapeta, Jorhat, Baska and Sonitpur districts to rise alarmingly, a report from the Water Resources Department said.

Flood waters have inundated 27 anti-poaching camps inside Kaziranga National Park and damaged a bridge and a culvert at Burapahar Range, the Forest Department reported.

The Red Horn Division of the Army has since yesterday deployed two columns, consisting of an officer, two junior commissioned officers and 35 of other ranks along with boats, life jackets and other flood re-

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15. 11. 2015

Hindustan Times (Delhi)  
The Tribune (Chandigarh)  
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## More plants needed to treat waste water flowing through Vrushabhavathi: Study

Bosky Khanna

**BENGALURU:** Vrushabhavathi Valley, a tributary of Arkavathi river that flows through Bengaluru, is in dire neglect.

A study conducted recently by Bangalore University (BU) on odour management of the valley has concluded that more plants are needed to treat the sewage water flowing through it.

"We did a study on how to manage the odour emanating from the Vrushabhavathi waste water and found that the root cause for the foul smell is hydrogen sulphide which is colourless and odourless. The foul smell is

that of rotten eggs. It's poisonous, odourless, flammable and explosive," Nandini N, Chairperson, Department of Environmental Science, BU, told *Deccan Herald*.

The lone STP functioning at present isn't enough. The treatment plants in the City are able to address just 60 per cent of the problem. There is a need to treat the polluted water flowing in the valley as it streams towards Ramangar and Mysuru.

### Irrigation

On the way, many farmers use it for irrigation and cattle-rearing. "The produce is consumed by Bangaloreans. So, the government should build more



People living on Magadi Road, Mysuru Road and around the Vrushabhavathi Valley are fed up with the foul smell from the valley. DH PHOTO

STPs of at least of 5-10 MLD capacity each," she said. Besides,

the professor went on, the treatment plants in peripheral and rural areas should be

upgraded as the contaminated

water gets mixed into this valley water. A full-fledged treatment plant with grit chambers, pH correction, anaerobic digester, primary clarifier, flocculation chamber, aeration chamber, secondary clarifier and stay pond should be created and installed, she said.

Vrushabhavathi is a tributary of Arkavathi river which joins Cauvery.

### Domestic discharge

The river drains a major part of western Bengaluru's waste water — domestic as well as industrial — covering an area of 97 sq km. It carries around 2,300 metre cube per hour of urban and domestic discharge. It also carries seasonal dis-

charge to Byramangala reservoir. People living in Magadi Road, Mysuru Road and around the valley are fed up with the foul smell and want the new corporators to solve the problem.

"The open drain is a death-trap. The area around it isn't well lit and covered. The Bruhat Bengaluru Mahanagara Palike and the Bangalore Development Authority have desilted it and cleared encroachments on it, but with little success.

"The government must clean and fence it and ensure there is no more foul smell," said Sanjay L, a resident of Rajarajeswari Nagar.

DH News Service