

**The Times of India**

**Title : Rained-out Chennai gasps for relief**

**Author :**

**Location :**

**ChennaiNew Delhi:**

**Article Date : 12/04/2015**

**I stand by you, PM assures TN, declares `1k cr grant**

PM Narendra Modi on Thursday announced an immediate relief of Rs 1,000 crore to Tamil Nadu to deal with the devastation caused by the floods.

Modi undertook an aerial survey of the affected areas of Chennai and took stock of the situation arising due to the deluge. Later, he discussed the situation with chief minister J Jayalalithaa, who undertook a separate aerial survey of the flood-ravaged areas.

“I am pained by the plight of Tamils affected by the floods. I will stand by you (people),“ Modi told reporters later in chaste Tamil.

“The Centre stands by the people of TN in this hour of need. I have directed that Rs 1,000 crore be released by the Centre for immediate relief,“ he said. This is over and above the Rs 940 crore which was released earlier.

Rescue and relief operations have been speeded up with National Disaster Response Force (NDRF) sending 20 more teams and 80 more boats from Pune, Patna, Guwahati and Bathinda battalions. So far, more than 5,000 stranded people have been rescued from flooded areas. The rescue teams are going into the interiors of Chennai, where there's no connectivity and people have no means to contact any agency .

The National Crisis Management Committee (NCMC) reviewed the flood situation and explored the possibility of dropping ready-to-eat food items, drinking water and milk in the affected areas.

The NCMC, headed by cabinet secretary P K Sinha, took stock of the flood situation with Tamil Nadu chief secretary K Gnanadesikan and top officials of central ministries and departments.

The chief secretary informed the NCMC through video conferencing about the latest situation and relief and rescue work in the state.

The cabinet secretary asked the ministries concerned to provide necessary assistance, ensuring that rescue and evacuation of people was their top priority .

Home secretary Rajiv Mehrishi held a meeting of the Crisis Management Group on Thursday morning with officials of ministries of defence, food, railways, agriculture, health, department of telecommunication, National Disaster Management Authority , India Meteorological Department and NDRF.

For the full report, log on to <http://www.timesofindia.com>

## Photoshop leaves PIB red-faced

A photo of Prime Minister Narendra Modi surveying parts of rain-hit Chennai on Thursday. (R) An apparently photoshopped image released by Press Information Bureau, which PIB was forced to remove after questions were raised in the social media about its authenticity



**TOUCH DOWN:** An aerial view of the Chennai airport which shut operations after Wednesday's showers



## THE GREAT METROPOLITAN DISASTER

### THURSDAY'S HIGHLIGHTS

**S**aidapet bridge over Adyar closed to traffic

**C**hennai airport remains shut, nearly 3,000 still stranded. Rajali naval air station at Arakkonam, 70 km west of Chennai, will function as makeshift airport

**I**NS Airavat moved to Chennai with medical equipment, ship has 20 divers & swimmers and 15 boat; 15 NDRF teams working in the city

**I**AF begins airlifting people from Chennai

**C**hennai petroleum Corp. Ltd of Indian Oil shuts its 210,000 barrels per day Manali refinery because of heavy flooding

**P**hone lines continue to be out, ATMs still not working, power outages continue



## WHY DID THE CITY GO UNDER:

Chennai has three main east-flowing waterways Kosasthalayar River, Cooum River, & Adyar. They flow into Bay of Bengal. Buckingham Canal is the other waterway

**1** Heavy rains force authorities to release 30,000 cusecs from brimming Chembarambakkam reservoir into Adyar river

**2** Adiyar stream not deep or wide, banks encroached upon

**3** Similarly water released from Poondi, Puzhal reservoirs floods Cooum river that flows through city. Other waterways too burst their banks



## ROADS NOW RIVERS IN SOUTHERN METROPOLIS



### UNDER THREE FEET OF WATER

- VIT Chennai Campus
- Madipakkam LIC Nagar
- Saraswathi Hospital
- Shastri Nagar—First Avenue
- Elcot SEZ, ECR Link Road
- Mathsya Restaurant

### WATER-LOGGED ROADS

- Velachery Bypass Road
- Srinivasa Road—T Nagar
- Chettinad Health City Bus Stop
- Keelkattalai Junction
- MGR Salai
- Entrance to Bollineni
- SRP Tools Bus Stop
- Five Furlong Road
- Bollineni Villas
- Radhakrishna Salai
- Mudichur Road

### SAFE ROADS

- R K Mutt Road
- Cathedral Road Bus Stop
- ThillaiGanga Nagar Subway
- Kasturi Rangan Road
- Spur Tank Road
- Nelson Manickam Road
- Madambakkam Main Road
- G K Moopanar Flyover

## INDUSTRY LOBBYISTS CLAIM LOSSES UPWARDS OF ₹15,000 CRORE

### WHERE DID CHENNAI GO WRONG:



- **Mindless development** of Chennai to blame, lowlands built up, storm water drains choked, water exits blocked
- Chennai has **1.5 lakh illegal structures**
- **300 waterbodies** have disappeared
- Flooded areas, Mudichur and Velachery, have come up on **wetlands or river basins**
- **Velachery and Pallikaranai** flooded because of concretisation of wetlands
- **5,550 hectares of swamp converted to IT corridor**, only 10% of wetland saved
- **No storm water drain network** in suburbs like Tambaram, Sriperambudur and Ambattur
- City has 882 km of storm water

### MONEY SPENT ON DRAINAGE, YET...

**2009** TN spent Rs 1,447.9 cr on interconnecting storm water drains and ensuring lake overflows go into the three main rivers

**2015** Rs 4,500 crore integrated storm water drain project by AIADMK govt funded by World Bank to lay network of storm water drains in suburban Chennai

overflows go into the three main rivers | Storm water drains in suburban Chennai



drains, no storm water drain in suburbs

## FACEBOOK SAFETY CHECK FEATURE:

Activates safety check feature in Chennai. This will allow people to mark themselves "safe" from floods

Once user clicks "yes, let my friends know", tool automatically notifies his/her facebook friends



# CHENNAI BATTLES FLOODS

RESCUE & RELIEF WORK IN FULL SWING, PM ANNOUNCES ₹1000-CRORE MORE AID

SNS & PTI

Chennai, 3 December

Rescue and relief operations were in full swing today in the worst flood-affected areas of Chennai and suburbs and neighbouring districts which enjoyed a welcome respite from torrential rains as Prime Minister Narendra Modi announced a Rs 1,000 crore more aid to Tamil Nadu.

Heavy rains continued to lash coastal Cuddalore district, one of the worst affected areas ever since North-East monsoon fury started early last month, and Villupuram and Kanyakumari districts and Puducherry as the death toll in the state mounted to 269.

The city remained virtually cut off from the rest of the country with air, rail and road transport services continued to be suspended while public transport was crippled because of flooding of arterial main roads, including the Mount Road over the Marmalong bridge.

While intermittent rains have been forecast for Chennai, coastal and interior Tamil Nadu will receive more rains in the



next 24 hours.

The Grand Southern Trunk Road that links Chennai with Madurai and beyond was cut off after breaches in several places in Kanchipuram district. The Southern Railway announced cancellation of all inter and intra-state train services till Saturday while the airport operations will remain suspended till Sunday. Prices of milk, vegetables and food items



sky rocketed because of short supply and people were forced to fork out huge amount of money for buying essentials.

With the flood wreaking havoc, Modi undertook an aerial survey of the flood-hit areas of Chennai and its suburbs and neighbouring districts of Kanchipuram and Tiruvallur. Later he held con-

sultations with Chief Minister J Jayalalithaa at the naval base "INS Adyar" and announced Rs 1,000 crore aid for relief works over and above Rs 940 crore given by the Centre to Tamil Nadu during the earlier spell of rains in November. Jayalalithaa also made a separate aerial survey of the affected areas. In a brief state-



ment that began in Tamil, Modi said he has seen the extent of damage suffered by the state and shared the misery of people of Tamil Nadu. "I will stand in support of you," he said after the review meeting with the CM.

Limited commercial flight operations are likely to start from the Rajali naval air station in

Arakkonam, near Chennai, tomorrow, the Civil Aviation Ministry said today. These flights will be operated by Air India and a few private airlines. Rajali is located around 60 km from Chennai.

**SEE ALSO PAGE - 07**

**EDITORIAL: DELUGE THAT  
DAMNS ON PAGE 08**

**The Times of India****Title : CUT OFF: ALL SERVICES IN CHENNAI STILL GROUNDED, TN TOLL CLIMBS TO 270****Author :****Location :****Article Date : 12/04/2015**

Although rains have abated and floodwaters are receding in and around Chennai, IMD's forecast of another possible downpour hangs over the city. Around 270 deaths have so far been reported across Tamil Nadu. Low-lying areas, particularly around OMR (Old Madras Road), remain submerged and marooned. Power supply and communication lines remained cut off across large swathes of the city and residents are still struggling to get basic essentials like clean water, bread and milk. Hospitals are flooded-damaging medical equipment--and attendance is thin. Chennai airport (in photo above) and the two main railway stations remain closed, but limited commercial flights are likely to start from Rajali naval air station in Arakkonam, 60km from Chennai, on Friday. After an aerial survey of Chennai on Thursday, PM Narendra Modi announced an immediate relief of Rs 1,000 crore for rescue & rehabilitation over and above the Rs 940 crore which was released earlier. "I am pained by the plight of Tamils affected by the floods. I will stand by you," he said in chaste Tamil. Amid the tragic loss of lives and property, there have been numerous heart-warming stories of citizens and organisations going out of their way to help those in distress





# THE CHENNAI CALAMITY

## Stranded survivors struggle to stay afloat

**BATTLING ODDS** Harrowing stories emerge as rescue personnel work on war footing to evacuate residents

**Subirto Mondal and KV Lakshmana**  
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**CHENNAI:** When Gautham left his partially submerged home in central Chennai's Jafferkhanpet on Wednesday evening for a restaurant located on higher ground four kilometers away, he thought he escaped the worst of the deluge. He couldn't have been more wrong. Around 2 am, commotion and the sound of children crying woke him up and he followed others into a bus amid rapidly rising water levels. But within minutes, water had started seeping into the bus and it seemed the vehicle would capsize.

"We somehow escaped the bus and grabbed a large piece of floating thermocol. Nine of us struggled for 15 minutes until one of us shouted he had touched land," said the management trainee, relief palpable in his voice.

"It was like I was born again." Hundreds of harrowing stories such as Gautham's flooded around Chennai on Thursday as rescue personnel worked on a war footing to evacuate those stranded in low-lying areas and local authorities struggled to distribute relief and medical supplies.

More than 100 people were airlifted to safety as the army, air force, NDRF and state police coordinated rescue efforts out of the Tambaram air base and the Rajahmundry naval base in Andhra Pradesh.

As many as 1,200 National Disaster Response Force (NDRF) officials were deployed while the coast guard put into action rubberised motor boats to ferry some of the three million people marooned by floods triggered by the worst rains in a century.

IAF sorties began by afternoon, dropping food packets for people and conducting surveys as people were seen waving their hands from bridges and housing colonies inundated in 8-10 feet

**GAUTHAM, a survivor**

» We somehow escaped the bus and grabbed a large piece of thermocol. Nine of us struggled until one of us shouted he had touched land. It was like I was born again.

water. Fishermen also pressed their boats into rescue operations. Metro services emerged as an unlikely lifeline for Chennai residents as it remained the only public transport option that wasn't marooned. Hundreds of people jostled inside metro stations, trying to charge their phones.

In a few areas where the water managed to drain away, the state road transport corporation resumed part of the city's bus services. Some of the highways leading into the city were active again as authorities suspended tolls and people posted on social media the best ways to reach Chennai.

But many complicated rescue efforts were inadequate. The residents of a four-storey complex in badly hit Kotturpuram owed their lives to their security guard of 12 years, S. Jeyan.

As a swollen Cooum river gushed into the neighbourhood Wednesday evening, Jeyan organised boats to evacuate residents.

"No one came to rescue us. No boat, no helicopter or any help from the government. Whatever help came it was from well-meaning individuals," Jeyan said and thanked volunteer teams who're ensuring three meals a day, drinking water and blankets.

City officials said the corporation rescued 62,000 people while the fire department evacuated another 5,000 but sporadic electricity supply and clogged telephone lines hit operations.



■ An aerial view of a flooded area near Chennai in Tamil Nadu.



■ Prime Minister Narendra Modi with Tamil Nadu chief minister J. Jayalitha in Chennai on Thursday.

### RUSHING WITH RELIEF

A race to help the marooned as Met warns of more rains

₹1,000 cr interim relief announced by PM Modi; TN had sought ₹8,453 cr in central aid

₹15,000 cr approx total loss pegged by industry body Association

269 deaths reported so far; total loss of cattle 2,766

1.64 lakh is the number of people housed in relief camps

460 relief camps set up

4.3 lakh food packets distributed

44,000 people evacuated to safe places

900 Army jawans deployed

1,000 NDRF personnel deployed with 110 boats

200 Navy personnel deployed with 12 boats

4 Helicopters doing sorties

FLOOD-HIT AREAS: Cuddalore, Tiruvalluvar, Kancheepuram & Chennai in TN & UT of Puducherry

## Pharma industry takes a hit

**Himani Chandra**  
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**NEW DELHI:** Pharmaceutical majors Novo Nordisk, Eli Lilly and Natco have temporarily closed their offices in flood-ravaged Chennai and sent staff on leave while others including Novartis India and Dr Reddy's are monitoring the situation.

Danish multinational Novo Nordisk has kept its facility shut since Wednesday. "There is no electricity and we are unable to reach our staff via telephone," said a company spokeswoman. The US-headquartered Eli

Lilly shut its Chennai facility. Natco Pharma, which operates its active pharmaceutical ingredient (API) plant in Chennai, has suspended operations.

"The company's wholly owned subsidiary's active pharmaceuticals ingredient plant has temporarily suspended operations," Natco Pharma said in a filing to the BSE. Novartis India has shut its operations but has asked its medical representatives in the city to take an individual call depending on the circumstances.

"There are many drugs for serious illnesses that are dropped at patients' homes instead of pharmacies. We haven't announced a holiday but we have asked our medical representatives to take care of themselves first," Rangit Shahani, vice-chairman of Novartis India, told HT.

Drug makers in other parts of the country could face shortage of APIs till manufacturing remains suspended in Chennai.

Dara Patel, secretary general of the Indian Drug Manufacturers' Association, the largest pharma group that has over 800 members, said: "The transportation of drugs from the units and transportation of raw material into the units will be a major challenge."

### flood diary

#### LIMITED FLIGHTS FROM NAVAL BASE

Limited commercial flight operations from Rajahmundry naval air station in Andhra Pradesh will start from Friday, aviation ministry has said. "Air India and some private airlines have agreed to operate 6 flights from Rajahmundry on Friday and Saturday," the ministry said in a statement. The fare will be ₹1,000 for travelling to southern states and ₹2,000 for northern states. Manual ticketing for the flights will be done at the Rajahmundry Naval Air base and passengers can carry only hand baggage. AI opened a special flight to Andhra Pradesh on Thursday to evacuate 120 passengers stranded in TN.

#### Hema Malini faces flak for criticising town planning

Actress and BJP MP Hema Malini was shouted down by AIADMK MPs in the Lok Sabha on Thursday when she seemed to blame improper development for Chennai's inability to handle the rains. Hema Malini said: "Town planning cannot continue to be a slogan. City planning should involve experts..."

#### Facebook, Google pitch in to help its stranded users

Facebook activated the "Safety Check" feature for its users in Chennai on Thursday, while Google compiled all critical information under its "Crisis Response" tool to provide them relief, reports said.

City stares at an imminent viral outbreak, govt offers all help

**HT Correspondent**  
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**NEW DELHI:** Unprecedented rain in Tamil Nadu have killed 2 and now public health agencies are gearing up for health problems associated with contaminated food and water, disrupted sewer supply and mosquito-borne infections.

Union health minister J. Naidu spoke to Tamil Nadu health minister Dr. C. Vijai Bhaskar on Wednesday offering support. "The Union ministry is in touch with the health department and will provide possible need-based assistance including setting up water filtration camps and sending medicines, disinfectants such as chlorine, phenyl and DDT," said a Union health ministry official who did not want to be named.

"Nausea, vomiting, abdominal cramps, acute diarrhoea, severe skin allergies, insect cuts and wounds inevitable follow flooding," said Dr. Arora, chairman, department of gastroenterology, Ganga Hospital, New Delhi.

"Most infections are bacterial, viral or fungal. Flood is the biggest cause of hepatitis epidemics across the world which causes jaundice and liver fever," he said.

The other outbreaks to watch out for are hepatitis A, which again causes symptoms of fever and jaundice, cholera, enteric fevers such as typhoid, a mosquito-borne fever such as malaria and chikungunya.

"The UN agencies have offered to support coordination assessment and planning efforts of the state government," said Job Zachariah, chief, UNICEF Tamil Nadu and Kerala.



**The Times of India**

**Title : Bad air: Delhi races ahead of Beijing**

**Author : Jayashree Nandi**

**Location :**

**New Delhi:**

**Article Date : 12/04/2015**

After a neck-and-neck race with Beijing over the past few winters, Delhi may soon find itself without a rival for the 'most-polluted-city' crown. The Chinese city is doing its best to fall behind although, as happened last week, it sometimes nudges ahead with a wind-aided spurt.

A recent assessment by Beijing-based Greenpeace East Asia shows that between August 2014 and August 2015, Delhi's levels of PM2.5 (fine, respirable pollution particles) were far higher than those in Beijing.

Using data from Delhi Pollution Control Committee (DPCC) and Beijing Municipal Environmental Monitoring Centre stations in Beijing, Greenpeace East Asia found that the Chinese city's monthly PM2.5 averages were between 100gm<sup>3</sup> and 200g m<sup>3</sup>. Delhi's monthly averages for October, November, December and January were well above 200gm<sup>3</sup>. A microgram (g) is a thousandth part of a milligram.

Not only the Chinese government but also civil society organisations are now saying that Beijing's air quality is improving steadily due to aggressive anti-pollution policies. Average annual PM2.5 levels fell by about 25% from November 2014 to November 2015, after more modest reductions since 2012.

“This November was the worst on record in Beijing since 2010, largely due to the horrendous smog episode that the city just experienced. However, even after that, 2015 is on track to be by far the best year on record,” said Lauri Myllyvirta, global campaigner, coal at Greenpeace. “This reduction is not happening only in Beijing but all across eastern and central China, and it can be verified from NASA satellite imagery along with official data.”

Other Chinese cities have also shown improvement, say activists. A Greenpeace East Asia analysis of data from 360 Chinese cities released last year reveals “modest” air quality improvements in coastal regions and cities such as Beijing over 12 months. Even the industrialised Hebei province, just outside Beijing, has improved by 31%.

“Our analysis shows that the government's strict pollution control measures are working,” said Zhang Kai, climate and energy campaigner at Greenpeace East Asia.

On the other hand, DPCC's average PM2.5 data for winter months in Delhi shows no improvement whatsoever. DPCC monitors air quality at RK Puram, Mandir Marg, Punjabi Bagh, Civil Lines and Anand Vihar. Some of the stations have in fact shown an increase in PM 2.5 pollution. Only IGI Airport showed considerable improvement in December 2013, January 2014, and January , February, October and November this year. This might be because construction activity--a major polluter--at Aerocity which started in 2010 finished by 2014. Spokespeople for Aerocity said they also have a traffic plan for the area. “Delhi and Beijing started neck and neck. Both had severe pollution levels but Beijing never lost the momentum in dealing

with it. They implemented restraint policies such as limiting car numbers and scaling up public transport at the same time,” said Anumita Roychowdhury, head of Centre for Science and Environment's (CSE) Clean Air campaign. “Now they are considering implementing the California emission standards by December 2017 which are among the most stringent in the world. We cannot do with small steps anymore in Delhi.”

Experts say Beijing may have been able to achieve rapid improvements in air quality by idling coal-burning power plants, which helps it meet climate targets along with controlling air pollution.

“Based on our analysis of weather patterns in Beijing and the fact that the fall in pollution levels is the largest since satellite records started in 2003, we are confident in saying that the fall in pollution levels is due to a real reduction in air pollutant emissions,” said Myllyvirta. “China has achieved this by significantly reducing coal consumption in industry and power plants--coal-burning is responsible for an estimated 60% of PM2.5 in China.”

In 2013, China had released an air pollution action plan called Air Ten, setting targets for 2017 that gave it the momentum to act quickly. Three of Beijing's four coal-fired power plants have been shut down and the last one will be closed in early-2016. A new air pollution law will also take effect next year,” said a campaigner from Greenpeace East Asia.

Severe pollution has undermined public health in both cities and reduced life expectancy.

C. Arden Pope III, Mary Lou Fulton Professor of Economics at Brigham Young University, told TOI: “The estimates are that living in a highly polluted city such as New Delhi results in an estimated loss of life expectancy of about three years.”

In an article about China published last year, he and Dr Doug Dockery at Harvard School of Public Health, had said life-time exposure to ambient air pollution in a city like Beijing may also result in an estimated loss of life expectancy of approximately three years.

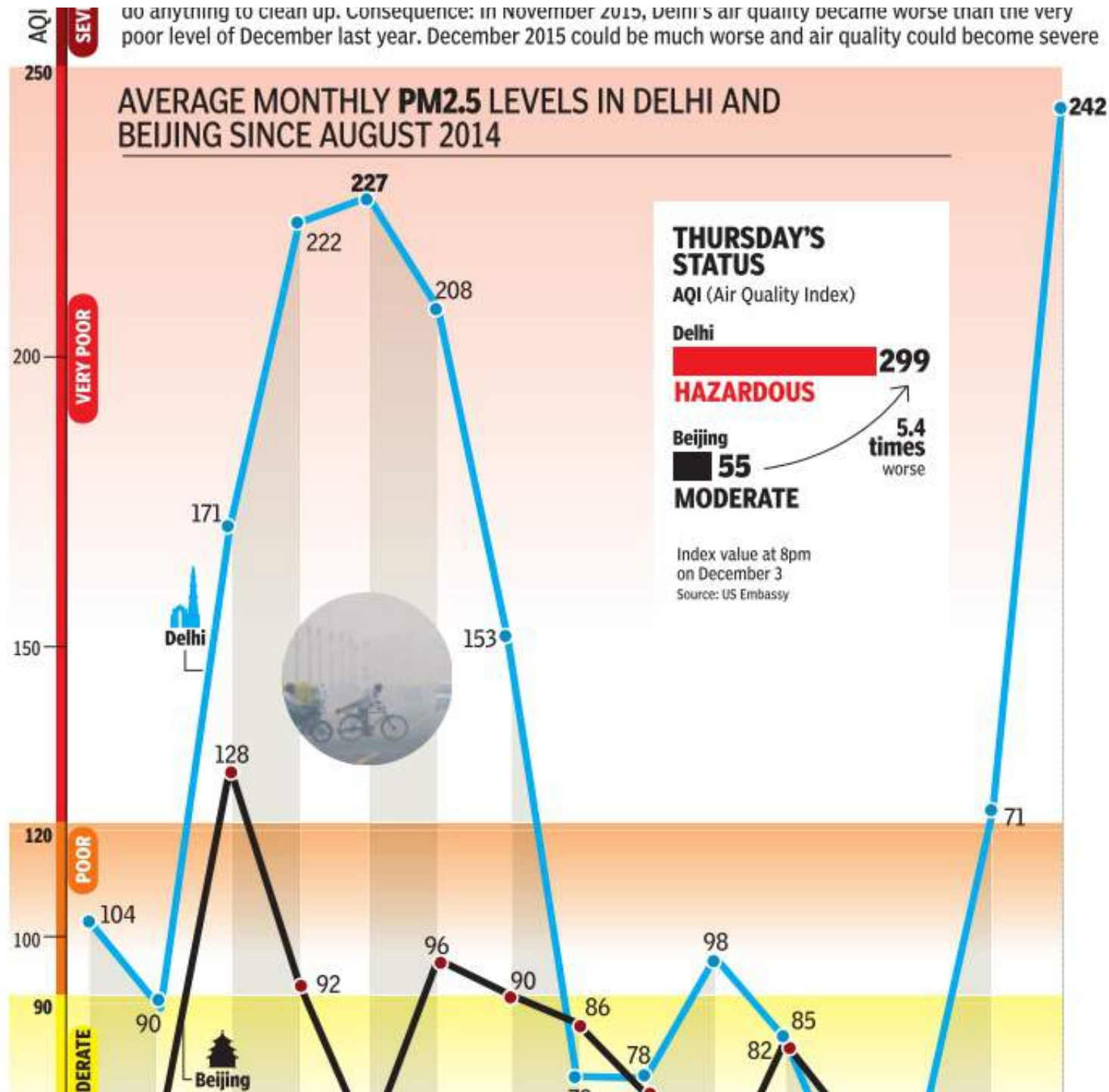
**Beijing's air quality is improving steadily due to aggressive anti-pollution policies. Average annual PM2.5 levels fell by about 25% from November 2014 to November 2015**

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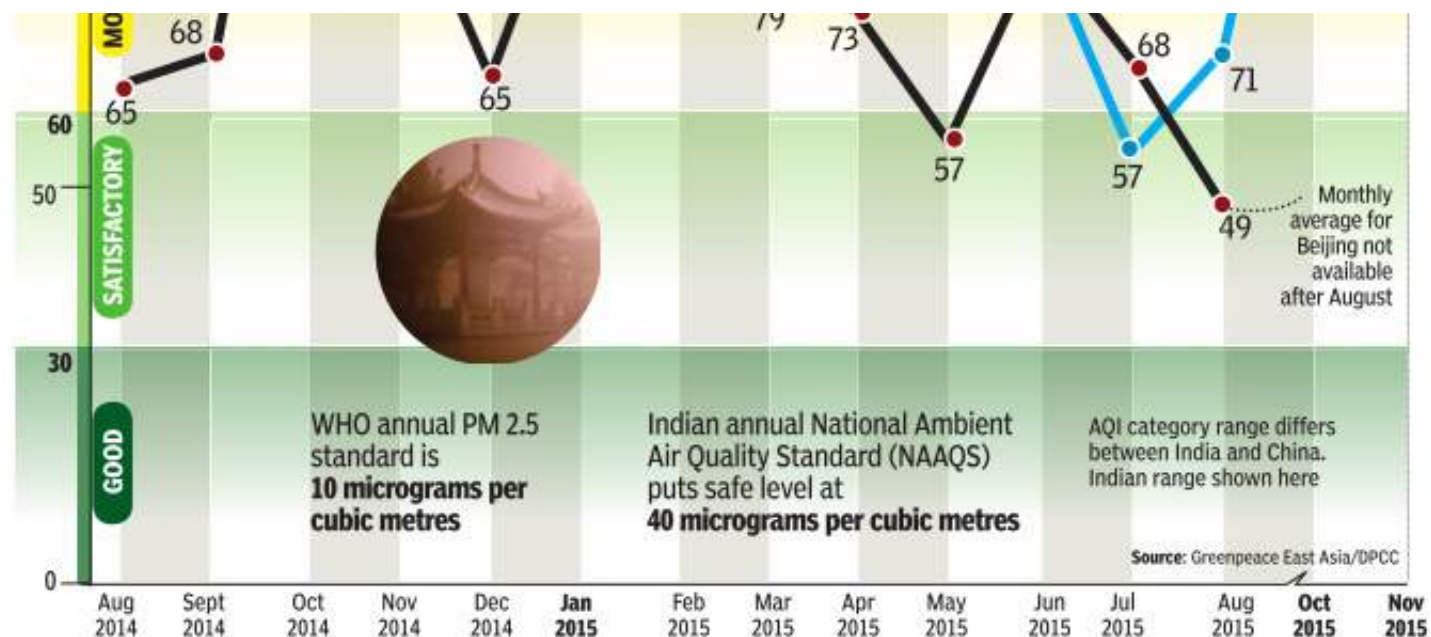
## DELHI'S WINTER CURSE IS BACK

Last year air pollution in Delhi more than doubled between August and December, making the winter air quality in the capital very poor. Beijing's air too worsens in winters, but to a much less extent. Delhi didn't do anything to clean up. Consequently, in November 2015, Delhi's air quality became worse than the year

do anything to clean up. Consequence: in November 2015, Delhi's air quality became worse than the very poor level of December last year. December 2015 could be much worse and air quality could become severe







## **The Times of India**

**Title : TOI AT PARIS SUMMIT - India, China warn rich nations on funding**

**Author : Vishwa Mohan**

**Location :**

**Paris:**

**Article Date : 12/04/2015**

### **Issue Could Make Or Break Summit: Group Of 134 Nations**

Flagging the issue of finance as super-critical to the success of the climate change summit, a group of 134 countries, including India and China, on Thursday emphasised that the contributions of rich nations must be categorically stated.

“The (issue) of finance is critical...It will make or break (the summit)“, the group said. Articulating the united stand over the issue, which divides the developed and developing world, group chair ambassador Nozipho Mxakato-Diseko from South Africa said the UN Framework Convention on Climate Change (UNFCCC) is explicit on what needs to be done.

The G77 and China, which forms the biggest group in the ongoing Paris climate talks, on Wednesday strongly objected to attempts made by rich nations to dilute the Convention that call on developed countries to extend support to poorer nations. In its first formal statement, the group said, “The G77 and China is deeply concerned with the attempts to introduce economic conditions in the finance section currently under negotiation here in Paris“.

Asked about the economic conditions, the chair on Thursday termed such a move by the rich nations as an attempt to escape from their responsibility as laid out in the Convention. Mxakato-Diseko said, “These countries jumped out of the Kyoto protocol.

They did not even ratify it ...World should be asking these small group of countries (rich nations) what is their responsibility“.

Though she was clearly referring to the US, which initially signed but never ratified the protocol, and also Canada which later opted out of the protocol, she chose not to call out the two. Asked to name the countries, she said, “We don't name and shame them. But, they name us.“ Her remarks, on behalf of the entire 134 developing countries came just a day after the group flagged its concerns over the approach of rich nations towards finance.

She late on Wednesday evening said, “Any attempt to replace the core obligation of developed countries to provide financial support to developing countries with a number of arbitrarily identified economic conditions is a violation of the rules-based multi lateral process and threatens an outcome here in Paris“.

The group on Wednesday expressed its concerns over the narrative which suggests that the world has changed since the UNFCCC was adopted in 1992 due to the dramatic economic development gains of some of the developing countries (China, South Korea, Saudi Arabia and UAE among others) and hence that it is time to expand the pool of so-called “donors“ of climate “aid“ and to narrow the list of those eligible to receive this

“support“ to only the “poorest of the poor“. “This narrative serves narrow national interests of developed countries and says little about reality. If the world has really changed so much, we ask why it is that after all these decades all our members remain developing countries with little or no voice in global decision-making processes and institutions“, said the ambassador.

The G77 and China stressed that nothing under the UNFCCC can be achieved without the provision of means of implementation to enable developing countries to play their part to address climate change.

Mxakato-Diseko said that the full picture of financial arrangements for the enhanced implementation of the Convention kept on eluding the Group. “We believe that it will help the process if all matters related to finance, whether it is under the Convention, the Kyoto Protocol and under the ADP (Ad Hoc Working Group on the Durban Platform for Enhanced Action) can be discussed in a comprehensive and coherent manner, regardless of where they will be reflected in the end, whether in the decision or the agreement“, she said.

The group also emphasised that it is now time for all developed countries to convert their pledges to the Green Climate Fund (GCF) into contribution agreements, as well as scaling up commitments in the ADP process.

Under the Convention, developed countries are obliged to provide financial resources, including technology transfer and capacity building to all developing countries.

For the full report, log on to <http://www.timesofindia.com>



# STICKING POINTS



## Explaining Climate Finance

- All groups of developing countries – G77 plus China and Like Minded Developing Countries (LMDC) – flagged Climate Finance strongly
- There is a goal to mobilise \$100 billion a year from both public and private sources by 2020
- There is, however, no clear roadmap to mobilise \$100 billion a year from 2020
- Rich nations are expected to contribute to the Green Climate Fund (GCF) – a multilateral fund to help poor/developing countries fight climate change
- Rich nations want the emerging economies, including India, too contribute to the GCF
- Rich nations also want that the money to be provided to only poor nations and not to countries like India

## POINT COUNTERPOINT

- World has changed since United Nations Framework Convention on Climate Change (UNFCCC) was adopted in 1992 due to dramatic economic gains of some developing countries like China, South Korea and UAE among others
- It is time to expand the pool of so-called 'donors' of climate 'aid' and to narrow the list of those eligible to receive this 'support' to only the 'poorest of the poor'
- 134 countries of G77 plus China group, including India, want all rich nations to contribute to the GCF and the money be made available to all developing countries
- Developing countries want rich nations to keep loans and existing overseas development aid out of climate finance
- Developing countries also want the rich nations to scale up their contributions to GCF beyond \$100bn per year target
- As of Nov 2015, GCF has raised \$10.2bn equivalent in pledges from 38 governments
- Out of \$10.2bn, only \$5.9bn has been capitalised to the fund
- India says it would also contribute but it will not be part of GCF

India's contribution, like China, will be made under south-south cooperation (cooperation among developing countries)

# Unregulated urbanisation to blame: CSE experts

+ VIKAS VASUDEVA *WU*

+ NEW DELHI: Chennai is perhaps experiencing the worst impact of freak weather, but the city could have fared better had it protected and preserved its natural water bodies and drainage channels, experts at the Centre for Science and Environment (CSE) said on Thursday.

The unprecedented deluge that Chennai has been subjected to is a reminder of increasing frequency of such freak weather events across the Indian sub-continent, they said.

Speaking on the subject, CSE director-general Sunita Narain said: "We have repeatedly drawn attention to the fact that our urban sprawls such as Delhi, Kolkata, Mumbai, Chennai, Srinagar etc. have not paid adequate attention to the natural water bodies that exist in them. In Chennai, each of its lakes has a natural flood discharge channel which drains the spillover. But we have built over many of these water bodies, blocking the smooth flow of water. We have forgotten the art of drainage. We only see land for buildings, not for water."

## Waterbodies

CSE's research shows that Chennai had more than 600 waterbodies in the 1980s, but a master plan published in 2008 said that only a fraction of the lakes could be found in a healthy condition.

# सहायक नदियां एक-दो महीने ही बहती हैं, बड़ी नदियों का भी पानी हुआ कम प्रदेश में नदियां सूखीं, गहरा सकता है जल संकट

## जलवायु परिवर्तन पर इग्नू ने की प्रदेश के 23 जिलों में स्टडी

भोपाल. जलवायु परिवर्तन पर इन दिनों विश्व भर में चिंता की लकीरें खिंची हुई हैं। भारत के बीचोबीच होने के कारण मध्यप्रदेश पर भी इसका असर साफ दिखाई देने लगा है। इग्नू की एक स्टडी से सामने आया कि प्रदेश में पानी की उपलब्धता अत्यंत दुर्लभ होती जा रही है। इसका कारण है कि मौसमी नदियां नष्ट हो चुकी हैं। सहायक नदियां सिर्फ एक-दो महीने बहती हैं। इसके कारण बड़ी नदियों में जल भरण क्षमता खत्म होने लगी है। इंदिरा गांधी राष्ट्रीय मुक्त विश्वविद्यालय के भोपाल रीजनल सेंटर ने जलवायु परिवर्तन

## इन जिलों में की स्टडी

भोपाल के अलावा खरगौर, धार, देवास, बड़वानी, शाजापुर, राजगढ़, सतना, सागर, रीवा, पन्ना, छतरपुर, सीहोर, विदिशा, भिण्ड, मुरैना, दतिया, शिवपुरी, ग्वालियर, इसका असर भी पड़ता दिखाई दे रहा है। इंदौर, टीकमगढ़, दमो और रायसेन।

को 23 जिलों पर स्टडी की है। इसमें सामने आया है कि समय रहते प्रदूषण को रोका नहीं गया तो हालात भयावह हो सकते हैं। इग्नू के रीजनल डायरेक्टर डॉ. केएस तिवारी ने बताया कि बढ़ते प्रदूषण को लेकर कई समस्याएं सामने आ रही हैं। जिसके कारण पल-पल में मौसम बदल रहा है। इकोनॉमिक डेवलपमेंट भी प्रभावित हो रहा है।





चेन्नै एयरपोर्ट।

# चेन्नै की मदद में बढ़े हाथ

■ विप्र/एजेंसियां, नई दिल्ली/चेन्नै

चेन्नै में बाढ़ पीड़ितों की मदद के लिए हर ओर से मदद भेजी जा रही है। 'ऑपरेशन मदद' के तहत नौसेना ने अपने कई युद्धपोतों और टैंकों को तैनात किया है। चूंकि चेन्नै हवाई अड्डा भी जलमग्न है इसलिए नौसेना ने वैकल्पिक हवाई अड्डे के तौर पर राजाली स्थित अपना हवाई अड्डा सिविल उड़ानों के लिए खोला है। राजाली हवाई अड्डा चेन्नै से 60 किलोमीटर दूर है। नौसेना प्रमुख एडमिरल आर के धोवन ने गुरुवार को यह जानकारी दी।

**भेजे 5 करोड़ :** बिहार के सीएम नीतीश कुमार ने मुख्यमंत्री राहत कोष से गुरुवार को 5 करोड़ रुपये का चेक तमिलनाडु की मुख्यमंत्री जयललिता को बाढ़ पीड़ितों की सहायता और पुनर्वास के लिए भेजा।

**कुत्तों के लिए होटल :** चेन्नै के होटल फॉर डॉग ने अपने दफ्तर में पानी भरने के बावजूद कुत्तों को शरण देने का फैसला किया है। संस्था ने चेन्नै से कुत्तों को बेंगलुरु के अपने होटल में शिप्ट कराने का फैसला किया।

**ऐप से मदद :** पेटिएम राज्य के किसी भी नंबर पर 30 रुपये का प्री टॉकटाइम रीचार्ज कर रही है। जोमैटो के जरिए लोग जरूरतमंद के लिए खाना खरीदकर पहुंचा सकते हैं। हेल्थकेयर ऐप प्रैक्टो ऐसे वैरिफाइड डॉक्टरों और अस्पतालों की लिस्ट दे रही है जिन्हें लोग कॉल कर सकते हैं।



बाढ़ से बेघर लोगों को अब बाहरी मदद का ही सहारा है।



चेन्नै के बाढ़ प्रभावित इलाके में पीएम मोदी की एरियल विजिट की इस फोटो पर सोशल मीडिया में सवाल उठ रहे हैं। कहा जा रहा है कि विमान से बाढ़ में डूबे इलाके इतने करीब कैसे दिख सकते हैं। इसे फोटोशॉप का कमाल बताया जा रहा है। (विस)



एयरपोर्ट पर फंसे लोगों को एयरफोर्स के विमान बाहर निकाल रहे हैं।



# मुनाफाखोरी ने मारा चेन्नै की बारिश में

**दूध 200 रुपये  
लीटर बिका**

■ एजेंसियां, चेन्नै : बेमौसम बरसात में डूबी तमिलनाडु की राजधानी चेन्नै के लोगों के लिए कई और आफतें खड़ी हो गई हैं। दवाइयों, दूध, सब्जी जैसी जरूरी चीजों की भारी कमी और दुकानें बंद होने से उन्हें पेशानी से जूझना पड़ रहा है। कई इलाकों में गुरुवार को 200 रुपये लीटर दूध बिका। चेन्नै में हवाई, रेल और सड़क मार्ग ठप होने से लोग पूरे देश से कट चुके हैं। हजारों लोग रेलवे स्टेशनों और हवाई अड्डों पर फंसे हैं। डीजल और पेट्रोल की कमी से बाढ़ से बचे चुनिंदा पेट्रोल पंपों पर लंबी कतारें लग रही हैं। ज्यादातर इलाकों में फोन लाइनें और बिजली आपूर्ति ठप होने से पेशानी बढ़ गई है। लोग अपने पहचान पत्र, राशन कार्ड जैसे जरूरी दस्तावेज पानी में बह जाने की भी शिकायत कर रहे हैं। एटीएम और बैंकिंग सेवाएं बंद होने से लोग पैसों की किल्लत भी झेल रहे हैं। वे घरों की छतों पर बैठे मदद का इंतजार कर रहे हैं।

**मसीहा बन सामने आए सुरक्षा बल**



AFP

**1000 करोड़ दिए पीएम ने**



PTI

प्रधानमंत्री नरेंद्र मोदी ने गुरुवार को चेन्नै का हवाई सर्वे करने के बाद राहत कार्यों के लिए 1000 करोड़ रुपये देने का ऐलान किया। मुख्यमंत्री जयललिता ने भी हवाई सर्वे कर हालात का जायजा लिया। केंद्रीय गृह मंत्री राजनाथ सिंह ने लोकसभा में बताया कि चेन्नै और अन्य प्रभावित जिलों में 269 लोगों की मौत हो चुकी है।

**सोशल मीडिया  
भी आगे**

सोशल नेटवर्किंग साइट फेसबुक ने तमिलनाडु में फंसे लोगों की जानकारी के लिए सेफ्टी चेक बटन एक्टिव कर दिया है। इसके जरिये चेन्नै में फंसे लोग अपनी सलामती की खबर फ्रेंड्स तक पहुंचा सकते हैं। उधर, सर्च इंजन गूगल ने भी होमपेज पर एक लिंक दिया है, जिससे चेन्नै में राहत शिविरों आदि की जानकारी ली जा सकती है।

**5 हजार लोग बचाए गए**

सेना, एनडीआरएफ और पुलिस की टीमों युद्धस्तर पर बचाव कार्य में जुटी हैं। सुरक्षाबलों ने लगभग 5 हजार लोगों को दूसरे स्थानों पर पहुंचाया। एनडीआरएफ ने गुरुवार को बचावकर्मियों की संख्या दोगुनी करके 1200 लोग तैनात कर दिए। नौसेना ने सबसे ज्यादा प्रभावित क्षेत्रों की पहचान के लिए यूएवी का इस्तेमाल किया है। उसने गोताखोर और नावों की भी तैनाती की है। लोगों को विमान के जरिये दिल्ली पहुंचाया गया। वायुसेना के जवानों ने खाने के सामानों से लैस पैकेट घरों की छतों पर गिराए। ▶▶ पेज 13



VIBHA SHARMA  
TRIBUNE NEWS SERVICE

NEW DELHI, DECEMBER 3

It is not just the coastal Tamil Nadu that is bearing the brunt of an errant weather this year. In northern parts as well, the overall temperature, especially the minimum measured at night, is ruling much above the normal for this time of the year despite the presence of a certain degree of chill in the air.

Meteorological department

chief Lakshman Singh

Rathore said the overall night temperature in the north had increased by 2 to 4.5 degrees Celsius, blaming global warming for the trend.

Rathore said eastern parts, including Bihar, Jharkhand, Chhattisgarh and east Madhya Pradesh, were more affected as the minimum temperature here was 6 to 8 degrees above normal. "The overall temperature has been on the higher side in different

## Wheat output to be low

- The wheat output in high-yielding Indo-Gangetic plains is expected to fall by 51 per cent due to heat stress, says a UN report
- This region produces 14 to 15 per cent of the world's wheat and feeds around 200 million people in the region
- The UN weather agency has attributed the high temperature to man-made global warming and a strong El Nino

seasons this year, which concurs with the observations of the World Meteorological Organisation," he said.

Over the past 15 years, he said, a gradual increase had

been witnessed across India.

"The temperature breaching the previous year's record has become a common annual feature. This is global warming... The emission of

greenhouse gases is leading to higher sea surface and air temperature," he said.

While instances of western disturbances have been more this time round, their reach has remained limited to Jammu and Kashmir and Himachal Pradesh with many of these not even reaching the Uttarakhand region. "The number of rainy days has reduced, which will impact agriculture in the plains," he said.

While irrigated regions in the northwest may be able to cope with the challenge, the farmers in rain-fed areas would be worst-hit. The rainfall during the southwest monsoon was inadequate this year, which has resulted in low residual moisture in the soil. The northern parts also did not receive rain after the monsoon and the situation has been further exacerbated by the higher-than-normal temperature.