

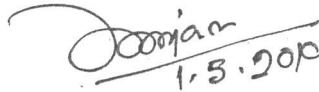
Central Water Commission
WSE Dte.,

West Block II, Wing No-4
R. K. Puram, New Delhi – 66.

Dated 01.05.2019


Subject: Submission of News Clippings.

The News Clippings on Water Resources Development and allied subjects are enclosed for perusal of the Chairman, CWC, and Member (WP&P/D&R/RM), Central Water Commission. The soft copies of clippings will be uploaded on the CWC website.


1.5.2019
Senior Artist
WSE, Dte.,

Encl: As stated above.

~~Deputy Director, WSE Dte.~~


01/05/2019

~~Director, WSE Dte.~~


01/05/19

For information to _____

Chairman CWC, New Delhi

Member (WP&P/D&R/R.M.), CWC and all concerned, uploaded at www.cwc.nic.in

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News item/letter/article/editorial Published on 01.05.2019... in the

Hindustan Times
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Tribune

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Deccan Herald
The Times of India (A)
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Fani is country's strongest April cyclone in 43 years: IMD data

H-1.5

Unusual formation due to the 'warming of the Bay of Bengal basin'; protracted gestation could lead to it gaining strength

JACOB KOSHY
NEW DELHI

Cyclonic storm Fani, which is lying about 600 km east of Vishakapatnam and 800 km south of Puri, is the first severe, cyclonic storm to have formed in April in India's oceanic neighbourhood since 1976, according to records from the India Meteorological Department (IMD).

While severe cyclones (defined as generating maximum windspeeds of 89-117 kmph) can form any time, they tend to be concentrated in November – after the monsoon – or around May, when the monsoon prepares to arrive in Kerala in June.

The head of IMD told *The Hindu* that such quirks were a consequence of global warming. "This is a cyclone that's forming due to the warming of the Bay of Bengal basin... with global warming we have to be prepared for such occurrences and take precaution accordingly," said K. J. Ramesh, Director-General, IMD. He said that Fani, so far, was unlikely to have an impact on the advent of the monsoon.

From 1965-2017, the Bay of Bengal and Arabian sea have collectively registered 46 'severe cyclonic storms.' As many as 28 of them were from October-December. Se-

ven of them have been in May and only two – in 1966 and 1976 – were recorded in April, data from the IMD's cyclone-statistics unit shows.

Tropical cyclones in the Indian neighbourhood began as 'depressions' or a gradual build-up of warm air and pockets of low pressure. About 35% of such formations intensify to 'cyclones' and only 7% intensify to 'very severe cyclones'. About 20-30 severe tropical storms occur around the world every year.

The IMD ranks cyclones on a 5-point scale with the mildest at 62-88 kmph and



Rough waters: Fishermen trying to control their boat near the Chandrabhaga beach in Puri, Odisha. • BISWARANJAN ROUT

the strongest, a 'super cyclonic storm', at 221 kmph. Cyclone Fani is expected to graduate to an 'extremely severe cyclonic storm' by Wednesday and make landfall in Orissa (as a very sev-

ere cyclonic storm) by May 4, according to an evening forecast by the IMD on Tuesday.

"It is very likely to move northwestwards till May 1 evening and thereafter re-

curve north-northeastwards and reach Odisha Coast by May 3 afternoon with maximum sustained wind of speed 170-180 gusting to 200 kmph," the IMD statement notes.

Meteorologists also point to Fani's protracted gestation. The storm had been building up since April 25 and is expected to make landfall, according to current models, only after May 3. "Nearly 10 days is an extremely long period," said Mr. Ramesh. On an average, tropical cyclones form and make landfall in less than a week.

Satheesh Shenoi, Director, INCOIS (Indian National Centre for Ocean Information Services), a research unit responsible for tracking

the oceans, said that Fani's slow progress – it is now moving at 11-18 kmph – was also a matter of worry as the longer it hovered in the ocean, the more moisture and energy it gained from the ocean and the stronger its impact along the coast.

"For now, models suggest that waves as high as 6.3 m are possible in the ocean under the influence of the storm," he told *The Hindu*.

Heavy rains are expected in north Andhra Pradesh and Odisha and light rains in West Bengal under the influence of the cyclone. Strong winds are expected in Kerala, Tamil Nadu, Puducherry and south Andhra. Fishermen have been advised to stay away from the sea.

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Fani to intensify into severe cyclonic storm

SNS/PTI

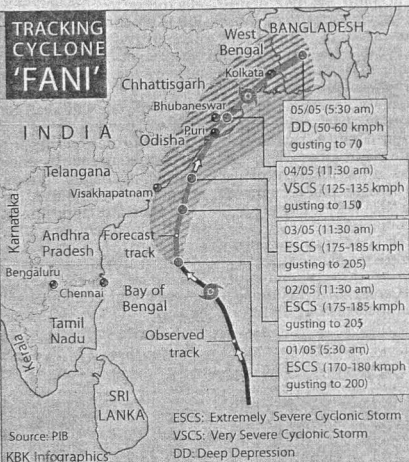
NEW DELHI, 30 APRIL

Cyclone 'Fani' is likely to intensify into an 'extremely severe cyclonic storm' by late night and can hit the Odisha coast by Friday afternoon, the India Meteorological Department said Tuesday.

In its 12 pm bulletin, the Cyclone Warning Division of the IMD said Fani (pronounced as Foni) lays over southeast and adjoining southwest Bay of Bengal, about 830 km nearly south of Puri (Odisha) and 670 km south-southeast of Vishakhapatnam (Andhra Pradesh) and about 680 km northeast of Trincomalee (Sri Lanka).

"It is very likely to intensify further into an extremely severe cyclonic storm during the next 12 hours. It is very likely to move north-westwards till May 1 evening and thereafter recurve north-northeastwards and reach Odisha coast by May 3 afternoon with maximum sustained wind of speed 170-180 kilometers per hour gusting to 200 kmph," the IMD said.

TRACKING CYCLONE 'FANI'



The National Disaster Response Force (NDRF) and the Indian Coast Guard were put on high alert and the fishermen were asked not to venture into the sea, the Union Home Ministry said on Monday. The wind speed of a

cyclonic storm is 80-90 kilometres per hour with wind gusting up to 100 kmph. In case of an 'extremely severe cyclonic storm', the wind speed goes up to 170-180 kmph and could gain the speed of 195-200 kmph.

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Only 19% water stock left in dams across Maharashtra

19 dams completely dry; industries may soon face partial water supply cuts

SHUBHANGI KHAPRE
MUMBAI, APRIL 30

WITH JUST 19.63 per cent water stock left in 3,267 dams across Maharashtra, industries may soon face partial cuts in supply, sources in the department of water resources said. Last year, water stock in the dams was recorded at 32.60 per cent around the same time.

Of the total 40,897.95 million cubic metres storage capacity, dams in the state currently have 8,029.59 million cubic metres live storage.

According to sources in the department of water resources, while a blanket ban on water to industries was unlikely, the sector may face partial cuts soon.

"The degree of water cut to industries will be determined by circumstances and also the nature of the industry. An average water cut of up to 40 per cent cannot be ruled out," an official, without wishing to be named told *The Indian Express*. In areas where live water storage in dams is below five per cent, supply to industries could be "temporarily suspended" for May, the official added.

Chief Minister Devendra Fadnavis, sources said, has already issued standing orders to all district collectors to ensure that highest priority is accorded to making drinking water and fodder available. The government, they said, has also issued guidelines mandating that dam and reservoir water be first supplied for drinking purposes, followed by agriculture and finally



Of 40,897.95 million cubic metres capacity, dams in the state currently have 8,029.59 million cubic metres live storage. File

for industries.

Earlier, the state government declared drought in 151 talukas of Maharashtra's 355 talukas and initiated various relief operations, including water management under which district collectors have been asked to deploy tankers to water-deficit talukas.

According to information, obtained from the water resources department, Aurangabad division in Marathwada has been worst hit. The division has only 5.27 per cent water available in its 964 dams. In 2018, despite drought, water level in the dams here was 30.46 per cent.

In Marathwada, live water stock has touched zero in maximum number of dams, including Paithan, Manjara, Majalgaon, Yeldhari, Siddheshwar, Lower Terna, Sina Kolegaon and Lower Dudhna.

Across the state, so far 19

dams have zero water stock, including Khadakpurna and Pentakli (Buldhana); Gosikhurd (Bhandara); Dina (Gadchiroli); Bham and Puneagaon (Nashik); Pimpalgaon, Ghod and Temghar (Pune); Bhima (Solapur); Kundali Tata and Lonavala Tata.

The second worst-affected region is in Nagpur division (Eastern Vidarbha region) where water levels in 384 dams have declined to 502.02 million cubic metres out of the total 4,607.01 million cubic metres. The available water in dams here is 10.9 per cent, lower than last summer's 17.18 per cent.

The Amravati division (western Vidarbha), with 446 dams, currently has 1,009.94 million cubic metres live water stock out of a total 4,193.26 million cubic metres storage capacity. At 24.08 per cent, this is marginally better than last year's 21.12 per cent recorded around this time.

EXPLAINED

E

In drought mitigation, variety of challenges for state govt

CONTINUED SPELLS of drought coupled with falling water levels in dams could entail short-term and long-term challenges for the Maharashtra government. The immediate concern relates to meeting the demand for drinking water in 24,000 villages. Another concern is ensuring adequate supply of fodder for cattle for two months, provided there is a good monsoon in June. Otherwise, the administration may need to take drastic steps for four months, including providing employment in drought-affected areas under MNREGA. The expenditure towards drought mitigation would require more fund mobilisation.

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'Water audit is a farce'

ALOK DESHPANDE
MUMBAI

A leading water expert has questioned the government's report on 'Auditing of Irrigation Projects in Maharashtra State' considering the lack of a 'water budget'.

Pradeep Purandare, a water expert and former professor at Water and Land Management Institute (WALMI) has written to the chief auditor pointing out that, "water audit at present has become a farce in absence of water budget, measurement of

water, area irrigated and other relevant parameters including water account at irrigation division."

Water auditing is being done since 2003-04 and this is the fourteenth report where analysis and evaluation of available data on 2504 projects is being conducted.

"If one reads between the lines, it is crystal clear that water budget (Preliminary Irrigation Program, PIP) is not prepared in most of the projects. And wherever PIP is prepared, it is prepared me-

chanically to finish off an annual ritual," said the letter.

Mr. Purandare said the water budget is one of the most crucial parts in any irrigation project, as it plans the availability of water for a particular sector. "When the basics are not ready, how is an audit being done?" he asked.

In his letter, Mr. Purandare points out that theft and unauthorised use of water is rampant in the State and if not considered in the audit it makes the report lose its credibility.

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सतर्कता : तटीय इलाके खाली करने का सुझाव, सेना और वायुसेना को हाई अलर्ट पर रखा गया

चक्रवात 'फेनी' प्रचंड तूफान में बदला

मुवनेश्वर | एनईसी

चक्रवात 'फेनी' प्रचंड तूफान में बदल गया है और शुक्रवार दोपहर तक यह गोपालपुर और चांदबाली के बीच ओडिशा तट को पार करेगा। मौसम विभाग ने इस संबंध में जानकारी दी है।

मौसम विभाग ने ओडिशा, पश्चिम बंगाल और आंध्रप्रदेश के कुछ हिस्से के लिए चक्रवात का अलर्ट जारी किया है और तटीय इलाके खाली करने का सुझाव दिया है। मौसम विभाग ने कहा कि चक्रवात 'फेनी' दक्षिण पश्चिम और पश्चिम मध्य और दक्षिण पूर्व बंगाल की खाड़ी की ओर है। यह पुरी (ओडिशा) के 760 किलोमीटर दक्षिण-दक्षिण पश्चिम और विशाखापत्तनम के 560 किलोमीटर दक्षिण-दक्षिणपूर्व तथा त्रिणकोमली के 660 किलोमीटर उत्तर-उत्तरपूर्व (श्रीलंका) में है।

मौसम विभाग के अतिरिक्त महानिदेशक मृत्युंजय महापात्र ने बताया कि प्रचंड चक्रवाती तूफान 'फेनी' के भारतीय पूर्वी तट की ओर बढ़ने पर नौसेना और तटरक्षक बल के जहाज तथा हेलीकॉप्टर, राष्ट्रीय आपदा मोचन बल की राहत टीमों को तैनात किया गया है। सेना और वायु सेना की टुकड़ियों को तैयार रखा गया है।



ओडिशा के कोणार्क में मंगलवार को चक्रवात फेनी की चेतावनी के बाद समुद्री तट से नावों को किनारे लाते मछुआरे। • एएनआई

जरूरी सामान की आपूर्ति के लिए तैयार रहने को कहा

राज्यों और केंद्रीय एजेंसियों की तैयारी की समीक्षा करते हुए मंत्रिमंडल सचिव ने निर्देश दिए हैं कि जान के किसी भी नुकसान से बचने और भोजन, पेयजल तथा दवाइयों समेत आवश्यक सामान की आपूर्ति के वास्ते तैयार रहने के लिए सभी आवश्यक कदम उठाए जाएं। उन्होंने आवश्यक सेवाएं जैसे कि बिजली, दूरसंचार बनाए रखने के लिए पर्याप्त तैयारी करने की भी सलाह दी है।

800 किलोमीटर दक्षिण में था 'फेनी' चक्रवात

मौसम विभाग ने बताया कि चक्रवाती तूफान 'फेनी' मंगलवार दोपहर को पुरी से करीब 800 किलोमीटर दक्षिण में था। इसके अगले 24 घंटे में प्रचंड चक्रवाती तूफान में तब्दील होने की आशंका है और एक मई को शाम तक यह उत्तर पश्चिम की ओर बढ़ेगा। उसके बाद फिर उत्तर-उत्तरपूर्व की ओर मुड़ेगा तथा तीन मई को दोपहर तक ओडिशा तट पर पहुंचेगा।

केरल में कई जगहों पर बारिश की संभावना

केरल में कई जगहों पर हल्की से लेकर मध्यम तो कुछ जगहों पर तेज बारिश देखने को मिल सकती है। तमिलनाडु और दक्षिण तटीय आंध्रप्रदेश में भी कहीं-कहीं बारिश हो सकती है पर उत्तर तटीय आंध्रप्रदेश में गुरुवार को अत्यधिक बारिश होने की संभावना है। इसके एक दिन बाद कई जगहों पर हल्की से मध्यम और कुछ जगहों पर बहुत अधिक बादल बरस सकते हैं।

चार राज्यों को 1,086 करोड़ की राशि जारी

मंत्रिमंडल सचिव पीके सिन्हा की अध्यक्षता में एनसीएमसी की पहली बैठक के फैसले के आधार पर गृह मंत्रालय ने कहा कि केंद्र ने तमिलनाडु, आंध्र, ओडिशा और पश्चिम बंगाल को एहतियातन और राहत कार्यों में मदद के लिए पहले ही 1,086 करोड़ रुपये की वित्तीय राशि जारी कर दी है।

मछुआरों को समुद्र में नहीं जाने की सलाह

राज्यों ने मछुआरों को समुद्र में ना उतरने का परामर्श जारी किया है। भारतीय मौसम विभाग सभी संबंधित राज्यों की ताजा भविष्यवाणियों के साथ तीन घंटे के बुलेटिन जारी कर रहा है। गृह मंत्रालय निरंतर राज्य सरकारों और संबंधित केंद्रीय एजेंसियों के संपर्क में है।

एनडीआरएफ तैनात

एनडीआरएफ आंध्रप्रदेश में 41 टीमों, ओडिशा में 28 और पश्चिम बंगाल में पांच टीमों को तैनात कर रहा है। एनडीआरएफ की एक टीम में करीब 45 कर्मी होते हैं।