Central Water Commission
Water Systems Engineering Directorate
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West Block II, wing No- 5
R K Puram, New Delhi-66
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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 have also been uploaded on the CWC website.

25.10.18.

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o/c

Deputy Director, WSE Dte. 25/10/18

Director, WSE Dte. - in training

For information to:

Chairman, CWC, New Delhi

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

News item/letter/article/editorial Published on 25.10.2018......... in the

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HOW THE GANGA'S WATER GOES FROM GOOD TO BAD TO WORSE

What do experts mean when they say the Ganga is polluted? And is the pollution level the same all along its 2,525km as it wends its way through five states before flowing into the Bay of Bengal? Data from the Central Pollution Control Board, which has set up monitoring stations along the river, shows how the water quality progressively deteriorates down the Ganga basin, home to 50 crore people. A look at how water quality is measured and what it's like at selected spots along the river

WHAT POLLUTION EXPERTS LOOK AT WHEN CLASSIFYING WATER QUALITY

Dissolved Oxygen (DO)
Dissolved oxygen refers to the level of free, non-compound oxygen (O2) present in water or other liquids. It is crucial for the survival of aquatic life

Biochemical Oxygen Demand (BOD)
It's the amount of dissolved oxygen used by microorganisms while metabolising organic matter (sewage or pollutants) in water. The more pollution there is, the greater the BOD; and the greater the BOD, the lower the amount of dissolved oxygen

Total Coliform
Coliforms are a class of bacteria found in, among other things, faeces. The presence of coliform bacteria in drinking water may indicate a possible presence of harmful, disease-causing organisms

pH Value
pH is a measurement of the hydrogen ion concentration. pH of pure water is 7. The normal range for pH in surface water systems is 6.5 to 8.5

WHAT MAKES WATER FIT FOR DRINKING...

CPCB recommends that river water should not be consumed directly without some kind of treatment. Having said that, it classifies 3 categories for drinking

Class A
Fit for drinking after disinfection
Water in this category has dissolved oxygen (DO) of more than 6 mg/l and biochemical oxygen demand of less than 2 mg/l. Total coliform should be less than 50/100ml

Class C
Conventional treatment and disinfection
Fit for drinking with conventional treatment after disinfection. It should have dissolved oxygen of more than 4mg/l and biochemical oxygen demand of less than 3mg/l. The pH range should be between 6 to 9 while total coliform should be below 5,000/100 ml

Neither in Class A nor Class C
Water that does not fall in Class A or Class C is fit for drinking only after organised conventional/ advanced treatment, including disinfection

...AND FOR BATHING

For water to be fit for bathing, it should have dissolved oxygen more than 5 mg/l and biochemical oxygen demand of less than 3 mg/l. Acceptable faecal coliform range is from 500/100ml to 2,500/100 ml. The pH range should be between 6.5 and 8.5

Fit for bathing | Not fit for bathing

HERE'S WHAT A TRIP DOWN THE GANGES SAYS ABOUT ITS WATER QUALITY

BHAGIRATHI AT GANGOTRI
Source of the river, where it issues from the Gangotri glacier

HAR-KI-PAURI GHAT
Haridwar is where the Ganga enters the plains. It's so far so good here with the water fit for bathing

GARHMUKTESHWAR
About 460km into its journey, the first spot where the water is unfit for bathing and deemed in need of advanced treatment for drinking

KANPUR (RANIGHAT)
The first major industrial city in the river's path. The red icons tell the story

ALLAHABAD (SANGAM)
The meeting place of Ganga, Yamuna and the mythical Saraswati, the water quality here is such that the pious dip is teeming with impurities

VARANASI (ASSIGHAT)
The holy city surprisingly has water deemed fit for bathing, despite the impurities it has collected on the way

PATNA (DARBHANGA GHAT)
It's the same old story in the Bihar capital; water neither fit for bathing nor drinking

GARDEN REACH
This is near Kolkata and the water quality is predictably bad, keeping with the trend in the bigger cities

ULUBERIA
The last monitoring station before the river flows into Bay of Bengal. It ends its journey no better than along most of its route

82 testing stations measured quality of water for drinking and bathing

Unfit for drinking at **68** spots

Unfit for bathing at **67** spots

Source: **CPCB data for Sep 2018**; Graphic: **Karthic R Iyer**; Text: **Kenneth Mohanty**

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PM asks council of ministers to inform people about govt schemes

EXPRESS NEWS SERVICE
NEW DELHI, OCTOBER 24

AS THE BJP's poll preparations get into full swing, Prime Minister Narendra Modi has urged his Council of Ministers to inform the people about the projects and schemes initiated by various ministries, sources said.

In a meeting with the Council of Ministers on Wednesday, the Prime Minister said the information about the ongoing projects should be communicated in simple language. The meeting, held four months after one in June, was expected to review the implementation of the welfare and other schemes of the government.

There were presentation on the progress of the Namami Gange and the projects undertaken in the MSME sector, sources said.

Secretary, Water Resources, U P Singh presented a report on the progress of the projects under Namami Gange, sources added.

"The Prime Minister said because these aspects are technical, such as explaining water quality or sewage treatment plans, its difficult for the common man to understand and recommended more dissemination of information in simple way and language that can be understood," said an official present in the meeting.

The meeting of the council of ministers followed the Cabinet Meeting. The cabinet ministers meet every Wednesday to take policy decisions.

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INDIA, BANGLADESH TO START CRUISE SERVICES

NEW DELHI : To augment water transport, India and Bangladesh Wednesday agreed to consider inclusion of Rupnarayan river in the protocol route besides declaring Kolaghatin in West Bengal and Chilmari in Bangladesh as new Ports of Call. The decision was taken in a meeting pertaining to protocol arrangements and improvement of Inland Water Transportation here. "During 19th Standing Committee meeting under 'Protocol on Inland Water Transit and Trade' (PIWTT), India and Bangladesh agreed to consider inclusion of Rupnarayan river (National Waterway-86) from Geonkhali to Kolaghatin West Bengal in the protocol route. They also agreed to declare Kolaghatin West Bengal and Chilmari in Bangladesh as new Ports of Call," Ministry of Shipping said in a statement. Ports of call are places where ships make a stop during a journey.

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केरल में बांध के प्रस्ताव को मंजूरी पर पलानीस्वामी ने मोदी से विरोध दर्ज कराया

चेन्नई, (भाषा): तमिलनाडु सरकार ने प्रधानमंत्री नरेंद्र मोदी को बुधवार को पत्र लिखकर मुल्लापेरियार बांध की जगह एक नए बांध के निर्माण के वास्ते पर्यावरण प्रभाव आकलन अध्ययन कराने के केरल के प्रस्ताव को मंजूरी देने का विरोध किया। विपक्षी पार्टियों ने भी इस मुद्दे पर केंद्र पर हमला किया। मुख्य विपक्षी पार्टी द्रमुक ने राज्य सरकार से केंद्रीय पर्यावरण मंत्रालय के खिलाफ मामला दायर करने का अनुरोध किया। मुख्यमंत्री के. पलानीस्वामी ने खत में कहा कि पर्यावरण, वन और जुलवायु परिवर्तन मंत्रालय के तहत आने वाली एक समिति ने पिछले महीने, नए बांध का निर्माण कराने के वास्ते पर्यावरण प्रभाव आकलन अध्ययन करने के केरल के प्रस्ताव की नियम-शर्तों को मंजूरी देने की सिफारिश की है। उन्होंने कहा कि इसने तमिलनाडु के लोगों में डर और घबराहट पैदा की है। यह कदम इस मामले पर उच्चतम न्यायालय के आदेश का उल्लंघन करता है। दरअसल इस मामले पर दोनों राज्यों के बीच विवाद है। पलानीस्वामी ने कहा कि नदी घाटी और जल विद्युत परियोजनाओं की विशेषज्ञ मूल्यांकन समिति ने 27 सितंबर को एक बैठक में यह सिफारिश की है।

मुख्यमंत्री कहा कि केरल सरकार ने इस मुद्दे पर केंद्र का रूख किया और केंद्र सरकार उसे सुन भी रही है जो अंतरराज्यीय विवाद पर उच्चतम न्यायालय के आदेश का गंभीर उल्लंघन है। मई 2014 के अदालत के निर्णय का हवाला देते हुए पलानीस्वामी ने कहा कि नए बांध के निर्माण के लिए दोनों पक्षों में सहमति होनी चाहिए।

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'नमामि गंगे' का 80% काम मार्च तक पूरा होगा: गडकरी

भरोसा

नई दिल्ली | एजेंसी

केंद्रीय मंत्री नितिन गडकरी ने बुधवार को कहा कि गंगा को साफ करने की कुछ परियोजनाएं पूरी हो गई है और कुछ पर कार्य प्रगति पर है। उन्हें उम्मीद है कि मार्च 2019 तक 'नमामि गंगे' कार्यक्रम का कार्य 70-80% तक पूरा हो जाएगा।

नितिन गडकरी ने मंगलवार को उत्तराखंड, झारखंड, बिहार और पश्चिम बंगाल में नमामि गंगे कार्यक्रम के तहत जारी प्रत्येक परियोजना की विस्तृत समीक्षा की थी। मंत्रालय की विज्ञप्ति के अनुसार, गडकरी ने सभी हितधारकों को निर्देश दिया कि गंगा की सफाई परियोजनाओं को जल्द पूरा करें और जहां भी कोई बाधा हो तो उसके समाधान के लिए सकारात्मक कदम उठाएं। उन्होंने जोर दिया कि कार्य को युद्ध-स्तर पर किया जा रहा है और नमामि गंगे कार्यक्रम बहुत सफल होने जा रहा है।

उन्होंने कहा, नदी में जल का निर्बाध प्रवाह सुनिश्चित करने के लिए 'अविरल गंगा' के लिए भी अधिसूचना जारी की गई है। एसटीपी का निर्माण किया जा रहा है और घरों की नालियों को जलमल लाईनों से जोड़ा जा रहा है।

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स्वच्छ गंगा मिशन को लेकर मंत्रिमंडल के समक्ष प्रस्तुति

नई दिल्ली | एजेंसी H. 25

जल संसाधन एवं गंगा संरक्षण मंत्रालय ने बुधवार को मंत्रिमंडल के समक्ष एक प्रस्तुति दी, जिसमें गंगा नदी की साफ-सफाई के मकसद से चलाई जा रही विभिन्न परियोजनाओं की प्रगति के बारे में जानकारी दी गई।

जल संसाधन एवं गंगा संरक्षण मंत्रालय के सचिव यूपी सिंह ने बताया कि 45 मिनट की इस प्रस्तुति में सूचित किया गया कि गंगा नदी के संरक्षण के लिए किए गए कुछ सहमति करार पर काम अच्छी गति से चल रहा है वहीं कुछ अन्य मामलों में इसने अभी गति नहीं पकड़ी है। सिंह ने बताया कि प्रस्तुति के बाद प्रधानमंत्री नरेंद्र मोदी ने सुझाव दिया कि स्वच्छ गंगा मिशन के तहत किए गए कार्यों को लोगों तक अधिक प्रभावी रूप से पहुंचाया जाना चाहिए।

परियोजना मोदी के शीर्ष कार्यक्रमों में से एक

नमामि गंगे परियोजना अर्थात गंगा की स्वच्छता के लिए राष्ट्रीय मिशन मोदी सरकार के शीर्ष कार्यक्रमों में से एक है। उन्होंने कहा कि मंत्रियों को वानिकी, ठोस कचरा प्रबंधन, नदी पर घाट बनाए जाने जैसे मुद्दों पर भी जानकारी दी गई।