भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन नदी विकास एवं गंगा संरक्षण विभाग
केंद्रीय जल आयोग
जल प्रणाली अभियांत्रिकी निदेशालय

सत्यमेव जयते

Government of India
Ministry of Jal Shakti
Dept. of Water Resources, RD&GR
Central Water Commission
Water System Engineering Directorate

विषय: समाचार पत्रों की कटिंग का प्रस्तुतीकरण-17-सितंबर-2020

जल संसाधन विकास एवं सम्बद्ध विषयों से संबन्धित समाचार पत्रों की कटिंग को केंद्रीय जल आयोग के अध्यक्ष के अवलोकन के लिए संलग्न किया गया है. इसकी साफ्ट कापी केंद्रीय जल आयोग की वेबसाइट पर भी अपलोड की जाएगी.

संलग्नक: उपरोक्त

(-/sd)

सहायक निदेशक

उप निदेशक(-/sd)

निदेशक (-/sd)

सेवा में

अध्यक्ष, केंद्रीय जल आयोग, नई दिल्ली

जानकारी हेतु: सभी संबन्धित केंद्रीय जल आयोग की वेबसाइट http://cwc.gov.in/news-clipping पर देखें

Hindustan Times 17-September-2020

Hindustan Times

GANGA CLEANER IN 5 YRS, BUT MAY TAKE DECADES FOR ITS WATER TO BE FIT FOR DRINKING

Chetan Chauhan
letters@hindustantimes.com

NEW DELHI: Namami Ganga, the Central government's ambitious project to clean the Ganga, seems to have delivered modest results, with the quality of river water from Rudraprayag in Uttarakhand to Uluberia in West Bengal having improved between 2014 and 2019, according to Jal Shakti ministry data, but experts say it will take decades before the water becomes fit for human consumption.

The dissolved oxygen level, or the amount of oxygen available to living aquatic organisms, has improved at 27 locations and the biochemical oxygen demand (BOD), the amount of oxygen consumed by bacteria while they decompose organic matter, and faecal coliform (FC) content, a measure of the suitability of water for consumption, has improved at 42 and 21 locations, respectively.

The information was provided by the Jal Shakti ministry in response to a query by Kochi-based Right to Information applicant, K Govindan Nampoothiry. The RTI reply showed the maximum improvement in Ganga water quality has taken place in the hills of Uttarakhand.

→P10

Tribune 17-September-2020

Flood abatement steps reduce farmers' misery

GEETANJALI GAYATRI
TRIBUNE NEWS SERVICE

CHANDIGARH, SEPTEMBER 16

Though rain was 5 per cent short this monsoon in the last two months, the state managed to restrict flooding to less than 3,000 acres this year against 1.2 lakh acres last year due to better preparedness and a proactive approach when it came to flood abatement and control.

Though Haryana received 351.50 mm rain against normal rainfall of 371.60 mm, its distribution was uneven across the state, with some districts receiving rain in excess of 2 per cent to 56 per cent while others were deficient by 1 per cent to 62 per cent.

The altered climatic conditions changed the rainfall pattern, where rain intensity was high in a short period between July 1 and September 2 this year.

The Irrigation Department re-engineered and planned the dewatering strategy differently despite flood control works remaining stalled through the entire lockdown and monsoon, ahead of schedule by a few days this year.

"We began by ensuring that all pumps at our disposal were in working condition. Departing from the tradition of allowing water to accumulate till September 30 and then beginning the process of dewatering the fields, we decided to go right ahead with the process soon after it rained. Consequently, though 48,040 acres were submerged this year, less than 3,000 acres remained to be dewatered," said Additional Chief Secretary (Irrigation), Devender Singh.

The mere advancing of the dewatering schedule changed the flooding pattern in Haryana this monsoon. The department, through regular monitoring and exhaustive planning, installed pumps in chronic low-lying areas which faced flooding every monsoon and used mobile pumps in other temporary areas which were flooded this season to drain out water, saving crop loss for farmers.

The water was drained out from these pockets in just over three weeks against the usual period of three months since operations began after the monsoon was over.

According to information, the maximum rainfall of 461 mm against 296.3 mm was recorded in Kaithal, while Panchkula, with a rainfall of 301.6 mm against a normal of 786.1 mm, recorded the least rainfall.

Crops submerged due to flood in Gheer village of Karnal district. TRIBUNE PHOTO: SAYEED AHMED

PROACTIVE APPROACH

"We began by ensuring that all pumps at our disposal were in working condition. Departing from the tradition of allowing water to accumulate till Sept 30 and then beginning the process of dewatering the fields, we decided to go right ahead with the process soon after it rained." Devender Singh, ADDITIONAL CHIEF SECRETARY (IRRIGATION)

Assam Tribune 17-September-2020

AI-based system to detect arsenic pollution developed

KOLKATA, Sept 16: Researchers from IIT Kharagpur have developed an artificial intelligence-based prediction model for detecting arsenic pollution in drinking water, an official said on Wednesday.

The researchers have mapped the high and low arsenic zones across the entire Gangetic delta using artificial intelligence (AI) and the number of people exposed, IIT Kharagpur spokesperson said.

This study has been recently published in the international journal *Science of The Total Environment*.

"Our AI models predict the occurrence of high arsenic in groundwater across more than half of the Ganges river delta, covering more than 25 per cent area in each of the 19 out of 25 administrative zones in West Bengal," one of the authors of the paper and research scholar Madhumita Chakraborty said.

While the predictive model framework would prove to be vital typically for the identification of drinking water sources in arsenic-affected areas of West Bengal, it can also be used in other parts of the country, which are suffering from severe groundwater pollutants, the researchers said.

"Eventually, all this information forms the baseline knowledge for the recently initiated 'Jal Jeevan Mission' of the Government of India.

"The mission is based on providing safe drinking water to every household of the country within 2024 and the outcome of this research helps in providing information for the location of safe groundwater, which is the primary source of drinking water for most of India," research team leader Prof Abhijit Mukherjee, IIT Kharagpur's Department of Geology and Geophysics, said.

"Such successful use of artificial intelligence in geoscience enables us to find answers and build prima-facie understanding before further detailed field-based investigation or validation," Mukherjee said. – PTI

The Pioneer 17-September-2020

PM to inaugurate historic Kosi rail bridge tomorrow

New Delhi: Prime Minister Narendra Modi will dedicate to the nation the "historic" Kosi rail mega bridge through video-conference on Friday and also inaugurate 12 rail projects related to passenger facilities in Bihar, his office said. Modi has either inaugurated or laid the foundation stone of a number of development projects in the poll-bound state in the last few days with sources saying that the total cost of these infrastructure and other programmes would be about Rs 16,000 crore.

The Prime Minister's Office said on Wednesday that the "Kosi Rail Mahasetu" (mega bridge) is a watershed moment in the history of Bihar as it will connect the region to the North East and described it as historic.

In 1887, a meter gauge link was built between Nirmali and Bhaptiahi in the region but it was washed away during the heavy flood and severe Indo-Nepal earthquake in 1934, the PMO said, adding no attempt was made to restore this rail connectivity for a long period due to the meandering nature of Kosi river. The mega bridge project was sanctioned by the Union government during 2003-04. It is 1.9 km long and its construction cost is Rs 516 crore, the PMO said.

"This bridge is of strategic importance along the India-Nepal border. The project was completed during the COVID-Pandemic where the migrant labour also participated in its completion," it added.

The 12 other rail projects, which Modi will also inaugurate, include a new railway bridge on the Kiul River, two new railway lines, five electrification projects, one electric locomotive shed and third line project between Barh and Bakhtiyarpur.

The inauguration of Kosi rail mega bridge will fulfil the 86-year-old dream and a long wait of the people of the region, the PMO said. The prime minister will also flag off the Saharsa-Asanpur Kupha train from the Supaul station.

Once the regular train service begins, this would prove to be highly beneficial to Supaul, Araria and Saharsa districts, making it easier for those on long distance travel to Kolkata, Delhi and Mumbai.

He will also inaugurate the railway electrification projects of Muzaffarpur– Sitamarhi, Katihar–New Jalpaiguri, Samastipur-Darbhanga-Jaynagar, Samastipur-Khagaria, and Bhagalpur-Shivnarayanpur sections, the PMO said. ***PTI***

Deccan Chronicle 17-September-2020

POLLUTION | CHECK **Monitoring stations claim air quality has never been so clean in the city**

Regular rains improve air quality in city

T.S.S. SIDDHARTH | DC
HYDERABAD, SEPT. 16

The recent spells of rains, some heavy, such as the one the city experienced on Wednesday evening well into the night, created many problems on the ground in terms of flooding in several parts of the city and chaos on city roads, but they also washed the city's air clean.

The air quality of the city which was earlier a blazing flash of red on the air quality index (AQI), has now become nothing more than a string of green boxes, indicating that the quality of air in the city has improved immensely.

Whether on the national air quality monitoring stations or the state air quality monitoring stations, the city's air has never been better. This, experts say, is due to the bouts of rain that the city has been receiving.

On Wednesday evening, certain pockets of the city like Jubilee Hills, Rajendranagar and Falaknuma experienced the highest rainfall (till 7.30 pm), 109 mm, 104.3 mm, and 99.3 mm respectively.

RAIN FILTERS

- **AIR QUALITY** of the city, which used to worst earlier, has improved immensely. Experts give credit for this to the bouts of rain that the city has been receiving.
- **EXPERTS CLAIM** whenever a raindrop falls through the atmosphere, it attracts tiny aerosol particles to its surface before hitting the ground, in the process cleaning the air.

As explained by environmental scientists from the Telangana State Pollution Control Board (TSPCB), whenever a raindrop falls through the atmosphere, it attracts tiny aerosol particles to its surface before hitting the ground. The process by which droplets and aerosols attract is coagulation, a natural phenomenon that can act to clear the air of pollutants like sulphates, and organic particles, along with dust.

"The air-quality always improves during the monsoon season. During this time, the pollutants are attached to the raindrops," Prasad Dasari, senior scientist with the state pollution board told *Deccan Chronicle.*

"There are two types of precipitation — dry and wet. While in dry precipitation, the pollutants stick to buildings, trees or other such things, during wet precipitation, the pollutants stick to the water droplets. Since they cover a larger area than buildings or trees, the quantum of pollutants is lower," he adds.

During the summer month of May this year, particulate matter 10 microns (PM10) was measured to 74 ug/m3 at the university of Hyderabad. Similarly, at the Nehru zoological park, Pashamylaram, Bolarum, and ICRISAT, the levels were 91, 87, 86, and 76 respectively.

However, in August the pollution levels had dropped to 31, 31, 26 28, and, 22 respectively.

Deccan Chronicle 17-September-2020

Heavy rains claim 2 lives

10.9 cm rain inundates several parts of city, disrupts power supply

T.S.S. SIDDHARTH | DC
HYDERABAD, SEPT. 16

A sudden and ferocious downpour on Wednesday evening swamped Hyderabad city and its surrounding areas causing havoc and resulting in at least two deaths amidst reports of flooded roads, vehicles being carried away by rainfed, sudden floods that turned the city's roads into fast-moving rivers, and utter chaos on many of the main city road junctions with traffic either coming to a grinding halt or moving at a pace slower than that of a snail.

Two persons were killed when a wall of a house collapsed on them under the Medipally police station limits in Peerzadiguda municipality, just outside the Hyderabad city limits.

During the first three hours of Wednesday evening's downpour, several areas of the city received upwards of 10 cms of rain, officials at the Indian meteorological department (IMD) here said.

The weather on Wednesday witnessed thunder and lightning that accompanied the at times spells of very heavy rain, could be expected to continue over the next four days over much of the state, the IMD has warned.

"The city received an extremely intense spell of rainfall. This was due to an upper-air cyclonic circulation over the state. This is expected to bring rains for the next 48 hours, while the intensity might not be the same, we predict that there would rain," K. Naga Ratna, director, IMD, told *Deccan Chronicle.*

As of 9 pm, the highest rainfall was recorded in Falaknuma at Chandulal Baradari, followed by Shaikpet, RDO Office Attapur and Film Nagar. These areas received 109.8 mm, 109.8 mm, 105 mm and, 97.5 mm of rainfall respectively. The highest rainfall in the state of 129 mm was registered at Satwar in Zaheerabad mandal.

The rains on Wednesday resulted in disruption of power supply in several areas and officials of the Telangana state southern power distribution company limited (TSSPDCL) said that they formed an emergency team to tend to all issues pertaining to power supply.

"People should be vigilant about power poles, transformers and wires. If wires are cut on roads or buildings anywhere, the company should be notified immediately, said TSSPDCL chairman and managing director, G. Raghuma Reddy.

In case of voltage fluctuations or power outages, complaints can be made to the special control room on 7382072104, 7382072106, 7382072106,7382071574 along with 1912, 100 or local fuse off call office, he said.

Similarly, the Greater Hyderabad Municipal Corporation (GHMC) received a total of 95 rain-related complaints, which included water-logging, building or wall collapse, tree fall, potholes and dilapidated building collapses.

The highest number of complaints were those pertaining to waterlogging at 52.

Motorists wade through flooded waters at VST crossroads on Wednesday. — DEEPAK DESHPANDE

A man on a motorcycle rides through a flooded street at Bagh Lingampally on Wednesday. — GANDHI

Telangana Today 17-September-2020

Telangana Today

Rains claim three lives across TS

Motorists wade through knee-deep water at Ameerpet as rains lashed Hyderabad on Wednesday. — Photo: Surya Sridhar

CITY BUREAU
Hyderabad

While two men died due to wall collapse in Peerzadiguda, a woman was washed away in a stream at Shapur thanda in Vikarabad

Three persons died in rain-related incidents in Telangana on Wednesday. In the first incident, two men, who were returning home after work on their motorbike during heavy rains that lashed the city late on Wednesday, met a tragic death after a wall collapsed and trapped them fatally underneath at Peerzadiguda.

The men, identified as Praveen and Mohan, were both glass-cutting workers and residents of Peerzadiguda, and were on their way from Uppal towards Medipally when the mishap occurred.

According to the police, Praveen was riding the bike while Mohan was riding pillion. When the duo reached Old Peerzadiguda, they slowed down due to the downpour. They were driving along the roadside when the compound wall of a place of worship suddenly collapsed and fell on them, trapping them beneath.

"We suspect that due to the heavy rain, the wall had absorbed water and became weak. With heavy wind too, it collapsed. Both died on the spot," police said.

The Medipally police have booked a case and are investigating while the bodies were shifted to the Gandhi Hospital morgue.

Meanwhile, a 38-year-old woman was washed away in a stream at Shapur thanda in Vikarabad district on Wednesday evening.

Anitha, an agricultural labourer from Shapur thanda, was returning home after completing work in her agricultural land when the incident occurred, the police said.

Her husband and two children escaped in the incident. The police later fished out the body and handed it over to the family members.

Heavy rains lashed many parts of Hyderabad on Wednesday paralysing normal life and causing traffic gridlocks at several stretches.

(RELATED REPORTS: PAGE 3)

Telangana Today 17-September-2020

Telangana Today
Smart Solution

Residents beat water scarcity

Install rain water harvesting system, save Rs 56,000 in 3 months

SUNNY BASKI
HYDERABAD

Most of the metropolitan cities witness huge demand for water tankers as residents in apartments, faced with short supply of water, end up booking a tanker for their daily needs, particularly during the summer.

However, several residents in Ameenpur have overcome the issue of water scarcity by adopting the concept of rainwater harvesting pits. Residents living in 40 flats of SLV Pride Apartment in Ameenpur have implemented rainwater harvesting pit and proudly proclaim that they have saved 80 water tankers in the last three months.

This success story of SLV Pride residents has all begun during the lockdown. Residents felt it ideal to build a rainwater harvesting pit instead of running for water whenever required at their apartment.

Initially, many residents thought that installing a rainwater harvesting system would be expensive and may not benefit them much. Despite the lockdown being a tough time for everyone financially, residents came forward to contribute to the expenses to build a rainwater harvesting pit.

To start with, they connected the roof top water through pipes and directed it to sump and pits. According to them, the rooftop has the potential to save 12 lakhs liters of water and it was divided into two parts with one having a sump dedicated to regular usage while the other one for rainwater pit.

Residents of SLV Pride Apartment in Ameenpur promoting the usage of rain water harvesting systems.

According to residents, they have spent a sum of Rs 79,000 for building a rainwater harvesting pit and have already saved Rs 56,000 in three months. Most of them think that rainwater harvesting structure requires high cost, however, it is a one-time investment and one can see savings in money and water in the long run, say SLV Pride Apartment residents.

Before building the structure, residents visited several apartments to gain knowledge on implementing the initiative and how to save and utilise the water. Now, rainwater harvesting structure has also helped them in reviving the bore water. The water is being used for drinking and bathing while excess is being left for earth.

Buoyed by the success, SLV Pride residents are now requesting people to implement this method which will harvest the rain water, pure in drums or pits, which can be used for daily needs and give back to the earth instead of allowing it for drainage.

Those looking for more details, can reach out to email info@therainwaterproject for necessary guidance.