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People making their way to safer places after massive floods hit Hatsingimari area on Friday. – UB Photos

Flood situation improves in Bongaigaon district

CORRESPONDENT

BONGAIGAON, Aug 23: The flood situation in Bongaigaon district has improved since Friday. But erosion by the rivers is on with falling water levels in the district.

Hif by erosion, around 300 families along the Aie river in North Salmara in the district had to take shelter on the roads on Saturday.

Crops like paddy, jute, sugarcane and vegetables have been damaged by flood in North Salmara subdivision, which is considered as a hub of agri-produce and milk. Hence the crisis of vegetables and cow milk has been noticed in the markets.

As the flood water have snapped the connecting roads between Lengtisinga and Rangapani in the district, people from either side have to negotiate the distance by boats, local residents informed.

However, if the breached dams and embankments besides Aie river are not repaired in time, the next flood is likely to cause havoc in villages beside the river, local residents apprehended.

In Chirang district also, the flood situation is improving. But erosion by rivers has not stopped yet in some villages in the district. The flood affected many farmers in the district by damaging crops, vegetables, fisheries and dairy farms.

Dr Bhumidhar Barman, State Revenue Minister and Basanta Das, Water Resource Minister, visited Kokrajhar and Chirang districts respectively to review the flood situation and had a meeting with the district administration for follow-up action.

Dr Bhumidhar Barman told mediapersons that his Government is not getting the financial support needed to tackle the flood situation in the State.

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CM conducts aerial survey Assertible Flood toll goes up to

STAFF REPORTER

GUWAHATI, Aug 23: Chief Minister Tarun Gogoi today made an aerial survey of floodaffected Lower Assam's Kokrajhar, Chirang, Bongaigaon, Goalpara and Dhubri districts even as the death toll in the current deluge rose to 13.

Accompanied by Chief Secretary VK Pipersenia and other senior officials, which included Commissioner and Secretary, Revenue and Disaster Management and CEO, Assam State Disaster Management Authority, PK Tiwari, Chief Minister Gogoi made an aerial survey of the worst-affected districts of Lower Assam on an Indian Air Force chopper.

Landing at Narengi Army helipad after almost two hours of aerial survey, Chief Minister Gogoi said the State Government has geared up rescue and relief operations in the floodaffected areas. Gogoi praised the NDRF and the SDRF for the all-out efforts in rescuing marooned people. The Chief Minister said the ministers and officials have fanned out to the affected areas and are monitoring the relief operations.

The Chief Minister said the Central Government is yet to release a sizeable chunk of funds sought by the State Government for infrastructure damages caused by floods last year. It has only released Rs 380 crore so far. "We have

submitted memoranda to the Chief Minister Gogoi, in a Central Government, including the Prime Minister and Minister Rajnath Singh in Gu-Home Minister, but have not wahati on October 1 last year, received the funds sought by us for huge infrastructure damaged infrastructure, which damage caused by floods last year," he said.

Gogoi said there are 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 for building up the infrastructure such asreads Bridges school build ings, health centres, dwelling houses and embankments damaged by floods last year and proper rehabilitation of the flood-hit people," he said.

(See page 2)

Flood to 11 goe

(Contd from page 1)

It may be mentioned that memorandum to Union Home sought Rs 2,010 crore for included roads and bridges, dwelling houses, health centres and school buildings. It also demanded Rs 660 crore for rescue and relief opera-

tions. Besides, a sum of Rs 6,700 crore was sought as special assistance to the State, which included Rs 3,500 crore for raising and strengthening of embankments and Rs 1,000 crore for mitigating the flood problems of Guwahaticity

The Chief Minister said the first priority of the Government is to provide relief to the floodhit people, and that he has instructed the Deputy Commissioners of the affected districts to leave no stone unturned to extend all possible help to the affected, especially children and women. "Restoration of surface communication and repair of breached embankments have also been accorded priorities.' the Chief Minister added.

Gogoi said that the Government would prepare an assessment report, highlighting the damage and rebuilding exercise only after the flood waters recede.

MUMBAI AND TELANGANA MODELS BEING STUDIED

Coming soon: early flood warning system

Aloysius Xavier Lopez

hennai Corporation will develop an early flood warning system for the city to cope with challenges associated with the north east monsoon. A team of officials will visit Mumbai and cities in Telangana to study the early flood warning system shortly.

> Once the system is commissioned, issuing early flood warning will be possible to prevent loss of lives and property

along the Cooum, Adyar, Kosasthalaiyar or the Buckingham Canal.

More than 7 lakh buildings are estimated to be located in areas prone to flooding along waterbodies.

A decision on commissioning Real Time Decision Support System may also be taken after a study by Anna University.

The hydrology project is also expected to allow the civic body forecast likely rainfall in the catchment area, enabling it to warn line agencies to take measures and avert human and property loss by regulation of release of excess water.

Currently, there is always a danger of flooding in downstream areas of waterways and in 130 waterbodies as the city does not have any system to forecast how much water will flow in each neighbourhood.

"With the help of the new system, we may be able to issue warning in advance to take measures in downstream areas

Over 7 lakh buildings are estimated to be located in areas prone to flooding along waterbodies. - FILE PHOTO

when water is released," an official said.

Decision on installing data acquisition system stations comprising automatic rain gauge, automatic climate stations and water level recorders in the catchment areas may be taken based on advice by Anna University.

"Chennai has topography

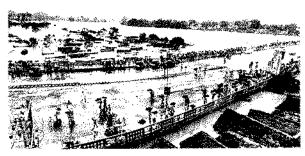
with a different gradient when compared to other cities. The early flood warning system should be developed after studying the drainage system and developing a mechanism to drain the water. Interconnecting waterbodies will be crucial. It is yet to be done," said N.Mathavan, a disaster management expert.

Can WhatsApp, Twitter galvanise volunteers into action?

Prince Frederick

CHENNAI: Due to unavoidably sluggish flow of information. the entire scale of destruction in the October 1943 Madras floods, arguably the worst the city has ever experieuced, became evident only after the floodwaters had subsided.

Heavy rainfall between October 4 and 10 led to dangerous breaches in the embankments of major rivers and lakes, including Cooum and Advar, but a complete picture of the damage emerged only as late as October 14. Whatever followed was fire-fighting, which was



In the past, lack of swift communication hindered relief work. (Above) Advar River in spate at Marmalong Bridge in Saidapet - PHOTO: THE HINDU ARCHIVES

localities, with eight people awares is unpardonable. "In a being swept away by the fu- llood, social media, including rious waters.

Experts say that today.

Twitter and WhatsApp, provides the option of responhardly effective in most when technology often gives ding quickly to emergencies cases. For example, it was slowly developing calamities as they arise. However, effeclearnt later that Perambur the character of an unfolding tive technological intervenwas one of the worst-affected drama, being caught un- tion is contingent on Prof. Krishnamurthy.

effective use of this technology. It also entails mobilisation of volunteers and having a plan much ahead of the event," says Professor R.R. Krishnamurthy, head of the department, applied geology, Madras University.

"A street-wise emergency map has to be created. Vulnerable streets have to be identified. Houses with senior citizens should be identified too. In the Climate Disaster Resilience Index that the Madras University prepared, together with the Chennai Corporation and the Kyoto University, this is exactly what we did: identify two wards that were vuluerable to floods. We arrived at a street-wise emergency plan for these wards," explains

To make it workable, volungroups should provide contact details - obviously one that includes their Twitter handles - of those of its members who live in these floodprone areas. When these areas face a flood crisis, these volunteers can be informed about the situation immediately and people can be bailed out of danger.

There is a lesson from another flood. The heart-rending image of two people crushed to death in their Maruti 800 iu Mogappair defines the 2005 flood for us.

"It should not take a flood to show us that a tree is weak. Smartphones and responsib-

It was a theoretical model. do that much before harm befalls anyone. NGOs should teering groups should be teach citizens the signs of debrought on board. These cay they should look for in a tree. The citizens can in turn identify weak trees in their neighbourhood, take pictures of them and mail them to the Corporation, which could take proactive action," says Shobha Menon, trusteefounder, Nizhal.

Experts say in the event of a Bood, residents of each neighbourhood should know the safest route to the nearest building that is not prone to flooding. Each of the two hundred wards should have volunteers who would assist residents, especially women and children and senior citizens. And, needless to say, the entire process could be le citizens should be able to lacilitated by technology.

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Sand mining endangers new bridge in Srikakulam

K. Srinivasa Rao

SRIKAKULAM: Unabated illegal sand mining is posing a threat to the bridge being constructed on the Nagavali river as apprehensions are rife that the excess excavation from the nearby ramp will be a blow to the strength of the structure that will ensure connectivity between old and new Srikakulam,

Around one lakh people living in Gujaratipeta, PN Colony and the 20 villages nearby have been facing problems in reaching the core areas of Srikakulam after the old bridge was dismantled three years ago to make way for



ON SHAKY GROUNO. Locals fear the bridge being constructed on Nagavali river will not be strong owing to the rampant sand mining in nearby areas, - PHOTO: BASHEER

promised owing to the illegal gold mine for sand transporters. sand extraction.

Sand with estimated value of Recently, the government more than Rs.I crore is being liftthe new one. They now fear that opened a sand ramp in Hayat- ed every day from the ramp, the new bridge would not serve nagar, near where the bridge is which is very close to the Nationthe purpose if its strength is com- coming up, and it has proved a al Highway 16. Further, of late

illegal sand mining has become abated from near the bridge in rampant, allegedly because of a violation of the Water, Land Tree nexus between government offi- Act-2002 which says that sand oials and transporters.

The local people of Hayatnagar recently took to the streets alleging that sand was being transported illegally for the reach by lorries and tractors in the night to which officials were turning a blind eye.

Probe demanded

Leading the protest, YSRC leader Dharmana Prasada Rao demanded a thorough probe into the allegations and steps for the protection of new bridge.

"Illegal mining continues un-

excavation must not be undertaken near the bridge as it would lead to the collapse of the structure owing to lack of strength." YSRC leader Gumma Nagesh told The Hindu. What is the use of spending crores of rupees on the works, if the govt. fails to pro-'tect it? he asked.

Asked about the malpractice, Srikakulam Collector P. Lakshmi Narasimham said that the issue would be referred to the Roads and Buildings Department and a field inspection would be conducted soon.

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Central Chronical (Bhopal)



Houses submerged in floodwater in Chaygaon area in Kamrup district of Assam on Sunday. PTI

Assam wants Rs 500-cr flood package from Govt

GUWAHATI, DHNS: Assam government has asked the Centre for Rs 500 crore assistance for relief, rehabilitation and repair works following the massive floods that claimed 14 lives and stranded 8.33 lakh people.

Despite the stoppage of torrential rains, flood situation in the state showed little signs of abating as major rivers flew over danger mark and inundated more dry land.

"We will seek Rs 500 crore as an interim relief from the Centre. Many areas are still under water, so the final assessment of damages will take some time," Assam Chief Minister Tarun Gogoi said in a press conference in state capital Dispur. "As soon as the water level goes down, we will start assessing the damages of

Normal life hit as rain lashes TN

After witnessing dry weather for a week, normal life was thrown off gear in Tamil Nadu with isolated rain, under the influence of the south-west monsoon, lashing the state since Sunday night, DHNS reports from Chennai. The intensifying south-west monsoon triggered rains in 15 districts except capital Chennai and the weatherman has predicted rains in the next two days.

roads, embankments, bridges and other vital infrastructure," Gogoi added





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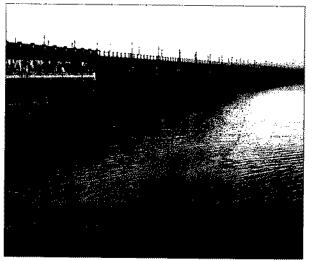
Low dam levels port grim power situation

Drastic drop in generation at Sharavathi, Linganamakki hydel plants likely

√rupathunga S K

HIVAMOGGA: As predicted ry the India Meteorologicai Department (IMD), it has een a weak monsoon so far n the Mainad region. The listrict has not received coious rains in August, the hird month of the rainv eason, so far. It is likely to ave an adverse impact on lectricity generation at the haravathi Hydro Electric 'roject, the backbone of the tate's power generation.

According to Sharavathi hief engineer (electrical) Shivji, the plant generates 5,000 nillion units (MU) of power er annum. It is feared that nere would be a shortfall of round 3,000 MU this year, if nere is no drastic rise in water



A view of the Linganamakki reservoir. DH FILE PHOTO

level of Linganamakki dam in the State. the coming days. The plant ltgenerates 10 to 11 MU of powcontributes 23 per cent of the er per day. The Sharavathi

power station, with its 10 units, has an installed capacity of 1,035 MW and the power house at the Linganamakki reservoir, with two units, has an installed capacity of 55 MW.

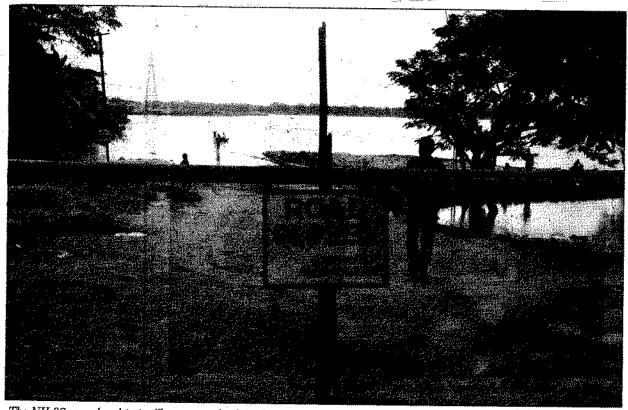
According to the dam authorities, the water level was at 1,787 feet against the maximum level of 1,819 feet on August 24. Interestingly, the water level was 1814.50 feet on the same day last year. This figure clearly indicates that the dam is unlikely to reach its maximum level in the remaining days of the rainy season as it is still short of 32 feet. Had the water level crossed 1,800 feet, it should have been possible. But now, the possibilities of the dam reaching the brim are less, they said.

They said that they could generate power from the Mahatma Gandhi, Sharavathi, Linganamakki and Gerusoppa power plants only for 90 days, if the government demands for maximum capacity power generation. A total power of 22 MU could be generated from these plants per day. But 9,000 cusees of water has to be used for the purpose.

Speaking to Deccan Herald over the phone, Sharavathi Hydro Power Station chief engineer (electrical) Shivaji said, "We have not received any direction from the government on reducing or stopping power generation in the plant. The purchase of power from other states and utilisation of power generated from other sources of energy are necessary as the dam is unlikely to reach its maximum level this year."

DH News Service

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Central Chronical (Bhopal)



The NH 37 was closed to traffic as a result of the damage caused by flood waters at Panchgram in Hailakandi district, on Sunday. – UB Photos

Assam Teibure, Gundal, 25 Aug 15



People of Kariguri near Bhergaon in Morigaon district moving to safer places with their belongings after their village was ravaged by flood, on Monday. – UB Photos

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Water release from High the 15 Mettur dam stepped up

Special Correspondent

SALEM: Water release from the Mettur dam was stepped up to 13,502 cusecs on Tuesday.

The release was reduced by 3,000 cusecs (from 13,500 cusecs to 10,500 cusecs) on Sunday owing to widespread of rainfall in the Cauvery delta districts where samba cultivation is in progress.

the delta region, the release tmc ft, PWD sources said.

was stepped up on Tuesday.

The dam continued to receive good inflow owing to rainfall in the catchment of the Cauvery in Karnataka,

21,030 cusecs

The dam received 21,030 cusecs on Tuesday and water level rose to 93.08 feet against its full level of 120 feet. The storage too improved to 56.21 tmc ft against As the rainfall stopped in the full capacity of 93.470 lyeart mert latter amloksk skocksk bublished ca.<u>k /6*</u>

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Govt not serious about seismic threat to city: HC

Solbam Rocky Singh

■ modev.sinch@biedustantimes.com

NEW DELH: About 90% of buildings in the capital are not structurally equipped to withstand a seismic zone (SZ) IV earthquake but the Centre and Dethi government are "not interested" in taking any corrective measures, the Dethi high court said on Wednesday.

Saying that the government was waiting for a "disaster to happen", a bench of justice **BD** Ahmed and justice Sanjeev Sachdeva directed the Centre and Dethi government to give a status report on action taken so far to ensure structural integrity of buildings.

The court said it was forced to step in on the issue as none of the authorities were doing their job.

"Only 10% of buildings in MCD areas are earthquake safety norm compliant, that means 9 out of 10 buildings will flatten when earthquake comes. So, how much population will be wiped out," the bench asked the Centre and MCD's counsel.

Delhi with a population of over 1.6 crore falls in seismic zone (SZ) IV, a high-damage risk zone that can expect the second highest level of earthquakes.

'Only 25% of the capital's areas are planned or approved while the rest 75% is unplanned or unauthorised. There are 17,000 unauthorised colonies with no layout plan but they are in the process of regularisation," the HC said.

In its affidavit, filed at the HC, the MCD has said that old buildings and those in the unplanned areas do not have the record of their design and drawing details.

"The corporation is planning to seek help of HT Delhi, Central Building Research Institute, Roorkee, RITES, Indian Association of Structural Engineers Association, etc. to suggest ways and means of ascertaining the structural integrity

of these buildings and steps to strengthen or retrofitting requirements in accordance with the provision of modified building byelaws," the MCD counsel said.

The counsel said the corporation is planning to launch a public awareness programme in which people living in buildings of about 30 or more years old will be asked to obtain structural fitness certificate for their building from the empanelled structural engineers.

The bench took strong objection to the absence of any representation from Delhi government in the case.

"Union of India and Delhi government are not interested (in the issue). And MCD is allowing all kinds of rampant illegal construction," the bench said, seeking their response within two weeks. The court was hearing a PIL filed by advocate Arpit Bhargava seeking directions to immediately determine seismic stability of buildings in Dethi.

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Encroachments along 27km of Yamuna to be removed

TIMES NEWS NETWORK

New Delhi: The Delhi government and the Centre have decided that encroachments along 27km of the Yamuna banks will be removed to make space for riverfront development. Chief minister Arvind Keiriwal met Union water resources minister Uma Bharti, transport minister Nitin Gadkari and urban development minister, M Venkaiah Naidu on Wednesday to discuss plans for a special purpose vehicle (SPV) for reviving Yamuna. Delhi ministers Kapil Mishra and Satyendar Jain were also present

It was also agreed that a six member committee headed by the secretary, ministry of water resources, will be set up to study various options for cleaning of the 49km stretch of Yamuna flowing through Defhi and neighbouring states.

According to a note by the ministry of urban development, Kejriwal suggested that cleaning of Yamuna could be

GOVT ORDER

taken up without the government spending on it and that it can even generate surplus revenue instead. He said that land on both sides of the river over a 27km stretch is with the Delhi government. DDA and the Delhi government would take the responsibility of clearing the encroachments on it.

Naidu suggested forma-

tion of a committee of secretaries of various ministries and Delhi government departments for examining various options and submitting a report on feasible options. The committee will submit its report by September, 2015.

At the meeting, Gadkari has discussed the waterways project that can be implemented to make Yamuna navigable. Tourism and water minister Mishra tweeted, "Great to see Naidu, Gadkari and Uma Bhartifi listen to us. We hope they help us transform Delhi."

TOI had reported on August 13 that SPV will function on the lines of the Delhi Metro and will singularly carry out and monitor development of the river and riverfront.

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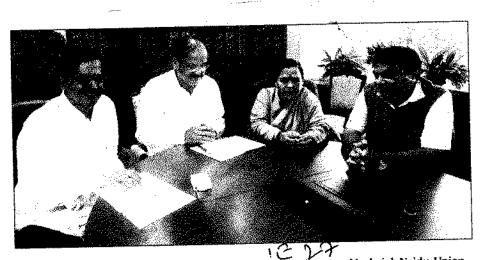
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Chief Minister Arvind Kejriwal met Minister of Urban Development Venkaiah Naidu, Union Water Resources Minister Uma Bharti and Minister of Road Transport and Highways Nitin Gadkari, to discuss the joint effort between the Centre and the Delhi government to clean up Yamuna river, in New Delhi on Wednesday. The Centre has set up a six-member committee to study the 'clean-up' of Yamuna and submit a report on it by September. Amit Mehra

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JOINT ACTION PLAN

MAKING IT A TOURIST HUB ON THE LINES OF INDIA GATE DISCUSSED

Clean Yamuna: panel to submit report by Sept. 30

Staff Reporter

he success of the Delhi Metro rail project, it was decided at a Centre-Delhi government meet on Wednesday, would likely be replicated to clean up the Yamuna in the Capital, make it a hub for tourism, and address the drinking water woes of people.

A six-member committee comprising officials from the Union Ministries of Water Resources, Urban Development, Surface Transport, and Environment; the Delhi Development Authority (DDA); and several others departments under the Delhi government has been constituted to prepare a report by September 30.

The decision to form the committee, which would formulate a roadmap for cleaning the river, was taken at a meeting attended by Union Ministers M. Venkaiah Naidu, Uma Bharti, Nitin Gadkari, and Delhi Chief Minister Arvind Kejriwal. Mr. Kejriwal had sought the participation of Mr. Gadkari and Mr. Naidu for the purpose at an interaction with Ms. Bharti earlier this month.

"The committee will be formed under the chairmanship of the Water Resources Ministry secre-

THE COMMITTEE WILL BE FORMED UNDER THE CHAIRMANSHIP OF THE WATER RESOURCES MINISTRY SECRETARY AND IT HAS BEEN GIVEN A MANOATE TO STUDY VARIOUS ASPECTS



Chief Minister Arvind Kejriwal with Union Urban Development Minister M. Venkaiah Naidu and Union Water Resources Minister Uma Bharti at a meeting over cleaning the Yamuna in New Delhi on Wednesday. — PHOTO: SANDEEP SAXENA

tary and it has been given a mandate to study various aspects, including a suggestion to have a special purpose vehicle, because the suggestion is that it can be on the model of the Delhi Metro, where the State and the Centre join jands," Mr. Naidu told reporters after the meeting.

"Already the DDA has made some proposals. The Water Resources Ministry too has come up with its proposals... They will come up with a final report," the Union Urban Development Minister said.

Noting that the possibility of inland transport across the Yamuna would be explored to facilitate cargo movement, Mr. Naidu said that issues such as utilising recycled water, beautification of river banks, and providing clean water for Delhiites were discussed.

The Minister said that they were looking at making the river a tourist attraction on the lines of India Gate. Delhi Tourism Minister Kapil Mishra said that the issue of harvesting rainwater and floodwater in the Yamuna was also discussed at the meeting.

Mr. Kejriwal and Ms. Bharti had, on August 8, agreed to set up a special purpose vehicle for the cleaning and rejuvenation of the river in line with which it had been agreed to prepare a blueprint in the next 45 days.

For feedback, please mail us at cityeditordelhi@thehindu.co.in

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YAMUNA CLEANING: GOVT SETS UP 6-MEMBER PANEL

A SPECIAL PURPOSE VEHICLE WILL BE FORMED TO AID CLEANING PROCESS

STATESMAN NEWS SERVICE

New Delhi, 26 August

Concerned over the increasing pollution of the Yamuna flowing through the Capital, the Centre, in consultation with the Delhi Government, has set up a sixmember committee to study various options for cleaning the 49-km stretch of the river.

This decision was taken at a meeting chaired by Minister of Urban Development M Venkaiah Naidu today which was attended by Delhi Chief Arvind Kejriwal, Delhi PWD Minister Satyendra Jain and Delhi Jal Board chairman Kapil Misra.

The Central government was represented by Union Water Resources Minister Uma Bharati, Surface Transport and Shipping Minister Nitin Gadkari and senior officials. The meeting discussed various



Delhi Chief Minister Arvind Kejriwal "Union Minister Uma Bharti with M. Venkaiah Naidu. Minister of Urban Development, in the Capital on Wednesday. SNS

options, including formation of a special purpose vehicle, for undertaking the work of cleaning of the Yamina with the Centre, Delhi government and Delhi Development Authority undertaking respective works in a synchronised manner.

Mr Kejriwal suggested

that cleaning of Yamuna could be taken up without the governments spending on it and even generating surplus revenues. He said land on both the sides of the river over a 27-km stretch is with Delhi government and the rest with DDA.

Mr Kejriwal said Delhi government would take the responsibility of clearing the encroachments.

After discussions, Mr Naidn suggested formation of a committee for examining various options and submitting a report on feasible options which was accepted by all.

The six-member committee to be headed by Secretary (Water Resources), will include representatives of the Ministries of Urban Development, Water Resources, Surface Transport, Environment besides the Delhi Government.

The committee will submit its report by September for further consideration by the Centre and Delhi government. Mr Naidu said cleaning of Yamuna would ensure clean water in the river, beautification of river banks, recycling of water and promotion of inland waterways in the river.

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Six-member panel set up to clean Yamuna 27/8

The committee will submit report next month

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NEW DELHI, AUGUST 26

A six-member committee has been set up to study various options for cleaning the 49-km stretch of the Yamuna flowing through Delhi. The decision was taken at a meeting chaired by the Minister of Urban Development M. Venkaiah Naidu today.

Chief Minister Arvind Kejriwal accompanied by PWD Minister Satyendra Jain and Delhi Jal Board Chairman Kapil Misra, Union Water Resources Minister Uma Bharati and Surface Transport and Shipping Minister Nitin Gadkari and senior offi-

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cials from respective departments attended the meeting, sources said.

Various options, including formation of a special purpose vehicle for undertaking the work of cleaning the river, were discussed.

According to the sources, Kejriwal suggested that cleaning the Yamuna could be taken up even without the government's spending anything on the task. He said that land on both the sides of river over a 27-km stretch is with the Delhi Government and the rest with the DDA while the Delhi Government would clear the encroachments.

After discussions, Naïdu suggested formation of a committee to examine various options and submitting a report on it which was accepted by all.

The six-member committee to be headed by the Secretary (Water Resources), Union government, will include representatives of the Ministries of Development, Water Resources, Surface Trans-Environment port, besides those of the Delhi Government.

The committee will submit its report in September for further consideration by the governments of India and Delhi. News Keminstranianioleichinnial published & Acque

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यमुना की सफाई के लिए समिति गठित

मह दिल्ली, (वार्ता): सरकार ने गया है। नाहरी विकास मंत्रालय की संत्रालय के प्रक्रिकी समिति में यमुना की सफाई के लिए विभिन्न जारी एक विज्ञान के अनुसार समिति शामिल होंगे। इसके अलावा पहलुओं पर अध्ययन के वास्ते का अध्यक्ष जल संसाधन मंत्रालय दिल्ली सरकार का भी एक एक छह सदस्यीय समिति का में सचिव को बनाया गया है। शहरी प्रतिनिधि इसमें होगा। सरकार गठन किया है और समिति को विकास मंत्रालय, जल संसाधन, उसके आधार पर यमुना की सफाई एक माह में रिपोर्ट देने को कहा ंसडक परिवहन तथा पर्यावरण की बीजना तैयार करेगी।

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असम में बाढ़ का प्रकोप, 8.5 लाख लोग प्रभा

• 984 गांवों में पानी मरा

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patrika.com/India असम के 12 जिलों में बाढ़ का प्रकोप जारी है। बाढ़ से राज्य के 984 गांवों में 8.5 लाख से ज्यादा लोग प्रभावित हुए हैं। केंद्र सरकार ने कहा है कि उसने राज्य सरकार को बाढ़ से होने वाली क्षति को न्युनतम करने के लिए हरसंभव मदद मुहैया कराई है।

ये जिले प्रभावित

लखीमपुर, डिब्रूगढ़, बॉगाईगांव, सोनितपुर, बारपेटा, जोरहाट, म्वालपाँडा, मोरीगांव, धुबरी, कामरूप, गोलाघाट और नगांव जिले सबसे ज्यादा प्रभावित।



- अब तक 13 लोगों की जान गई
- 🐲 करीब 50 हजार हेक्टेयर कृषि भूमि पानी में डूबी
- अरुणाचल प्रदेश एवं भूटान के उंचाई वाले इलाकों में लगातार हो रही
- » **ब्रह्मपुत्र औ**र इसकी सहायक नदियां खतरे के निशान से उपर
- डिब्रुगढ, सोनितपुर, ग्वालपारा और नगांव में कई जगह सड़कें बही
- सोनितपुर जिले में दो पुल बह गए

जयसमंद पेयजल परियोजना बनी आदर्श 🏱 58 माह में बचे 1074 लाख रुपए, सबसे पहले जोधपुर में होगा इस तर्ज पर काम

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patrika.com/city जयसमंद झील परियोजना के तहत शहर को सप्लाई किए जा रहे पेयजल के तंत्र की एस्को पैटर्न (ठेके पर सप्लाई देकर ऊर्जा बचत) पर लाने का प्रयोग सफल रहा है। यह अर्जन, बिजली की बच्चत आदि पर परियोजना प्रदेश के लिए आदर्श बन गई है। इस तर्ज पर अन्य बड़े खर्च वाली पेयजल परियोजनाओं में भी की मंशा है कि जिन पेयजल ऊर्जा बचत के लिए जन स्वास्थ्य अभियांत्रिकी विभाग एस्को पैटर्न रुपए बिजली खर्च आ रहा है और अपनाने की कवायद में जुट गया है। पदेश के विभिन्न शहरों की पेयजल पैटर्न लागू हो। ताकि, जयसमंद

परियोजनाओं को एस्को पैटर्न पर ले 🗱 जाने के लिए विभाग ने पंप कंपनियों सहित केन्द्र व राज्य के संबंधित अधिकारियों की बैठक बुलाई है। इसमें बिजली बचाते हुए शहरों में पेयजल उत्पादन बढ़ाने, राजस्व चर्चा कर परियोजनाओं को ठेके पर देने पर मंथन किया जाएगा। सरकार परियोजनाओं पर हर साल 5 करोड़ 10 वर्ष पुराने पंप लगे हैं, वहां एस्को

जयसमंद से अब तक 1074 लाख का फायदा

विभाग के गगर खंड प्रथम के अधिशासी अभियंता पहलाद मीणा ने बताया कि जयसमंद झील से उदयपर शहर में पानी की सप्लाई को 61 महीने पहले एरको पैटर्न पर लाया गया था। अब तक 58 माह में 3 करोड़ 54 लाख 94 हजार 253 रुपए की बिजली युनिट का विभाग को फायदा हुआ है। वहीं 1632 लाख रुपए की ऊर्जा बची है। पावर सेक्टर में .अन्य रवर्च के पेटे भी 30.58 लाख रुपए बचे हैं। जबकि, ठेके पर सप्नाई होने के कारण विभाग की मैन पावर पेटे 291 लाख रुपए की बचत हो चुकी है। इस तरह कुल १९५४ लाख रुपए की आय हुई। इसमें ठेके पर अब तक 880 लाख रुपए खर्च हुए



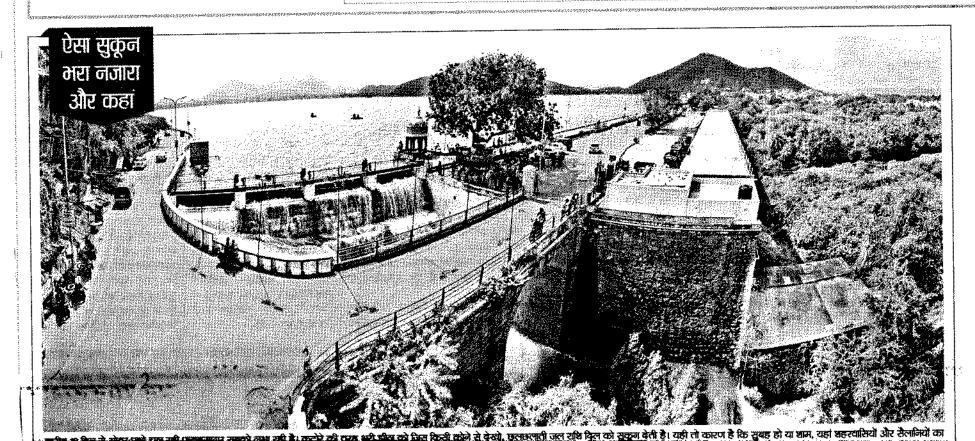
यांनी लगभग १०७४ लाख रुपए की सरकार को बचत हुई।

तैयारी है। जयसमंद परियोजना का ठेका 84 महीने के लिए हुआ था। ठेके पर सप्लाई के लिए विभाग घटकर 1.7 केडब्ल्यूएच यूनिट प्रति किलोलीटर रह गया। विभाग पहले शहर में 150 लाख लीटर

परियोजना की तरह वहां भी लाभ की पानी ही सप्लाई कर पाता था। अब स्थिति बने। इसके तहत पहले 24 घंटों में 201 लाख लीटर पानी जोधपूर शहर में काम शुरू करने की सप्लाई होता है, जिससे उत्पादन भी बढ़ गया।

प्रदेश की बड़ी पेयजल 🔻 परियोजनाओं को एसको पैटर्न पर औसतन लगभग 15 से 16 लाख ताने से करोड़ों रुपए का बिजली खर्च रुपए का भुगतान करता है। पहले बचेगा। विभाग को अलग से आय होगी। 2.902 के डब्ल्यूएच यूनिट प्रति तंत्र में नया सेटअप स्थापित हो पाएगा किलोलीटर का खर्च आता था। और मैन पावर की कमी दूर हो सकेगी। टेके पर जाने के बाद यह खर्च जयसमंद परियोजना सफरन रही है। जल्द जोघपुर शहर में काम शुरू करेंगे।

किरण महेस्वरी, जन स्वरूप



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नर्मदा बचाओं आंदोलन ने दी चेतावनी

'सरकार को भुगतने होंगे गंभीर परिणाम'

सत्याग्रह के समर्थन में देशभर में होगा जल सत्याग्रह

श्रम मंत्री ने बताया आंदोलन को विकास में बाधक २७-8-15

बडवानी @ प्रतिका

patrika.com/state सरकार को सत्याग्रह की अनदेखी. अनसनी के गंभीर परिणाम भुगतना होंगे। आज सरकार पुरी तरह से गूंगी, बहरी और संवेदनहींन हो चुकी है। पिछले 14 दिन से सत्याग्रह पर बैठे आंदोलनकारियों से कोई संवाद ही करो या मरो का आंदोलन बन चुका बार फिर देशभर के साथी जुटेंगे।

सरकार नहीं करना चाहती है। इस है। हमारी मांग है कि तत्काल संवादहीनता के गंभीर परिणाम मुख्यमंत्री हमसे मिलने आएं और सरकार को भुगतना होंगे। ये बात अब तक सरदार सरोवर में हुए नर्मदा बचाओं आंदोलन से जुड़े ट्रिब्यूनल, हाई कोर्ट, सुप्रीम कोर्ट, समाजवादी नेता डॉ. सुनीलम ने आयोगों के निर्णयों पर अमल करने सरकार को चेतावनी देते हुए कही। की घोषणा करें। साथ ही सरदार राजघाट पर चल रहे नर्मदा बचाओ सरोवर बांध की ऊंचाई 17 मीटर आंदोलन के जीवन अधिकार कम करने की घोषणा भी करें। नबआं सत्याग्रह के दौरान मंगलवार को नेत्री मेघा पाटकर ने बताया कि देशभर में जन आंदोलनों के राष्ट्रीय सत्याग्रह के समर्थन में देशभर के समन्वय द्वारा सत्याग्रह के समर्थन में 250 जन आंदोलन भी जल सत्याग्रह जल सत्याग्रह की घोषणा भी की। की तैयारी में हैं। इसकी तारीख की

आयोगों की जांच रिपोर्ट में किसी भी सरकार के ध्यानाकर्षण के लिए बड़ी घटना, कांड का कारण • मेस्टकार्ड अभियान भी देशभर में संवादहीनता ही आया है। सरकार को लग रहा है कि बैठे हैं, थक जाएंगे तो ख़ुद ही उठ जाएंगे। ऐसा नहीं है ये

डॉ. सुनीलम ने कहा कि जांच घोषणा भी जल्द की जाएगी। वहीं चलाया जाएगा।

28 सितंबर को हरसद दिवस और शंकर गृहा नियोगी दिवस पर एक



प्रदेश सरकार को घुनौती देते नहुआं के कार्यकर्ता।

विकास नहीं होने देना चाहते : आर्य

मगलवार को प्रदेश के अम मंत्री अंतरसिह आर्य बडवानी में विभिन्न आयोजन में शामिल होने पहुँचे। यहाँ मीडिया से चर्चा के दौरान उन्होंने नर्मदा बचाओं आंदोलन के सत्यायाह को दिकास में बहाक बलाया। उन्होंने कहा कि प्रदेश सरकार पूरे प्रदेश में 2024 तक नर्मदा अस पहुँचाना चाहती है क्योंकि इसके बाद हम वर्मदा जल का उपयोग वहीं कर पाएंगे। इसके लिए पुल, पुलिया, वहर विमीण के लिए जमीब की जरूरत है।इस तरह के सत्यायह विकास में बाधा गर्ग्याच्या प्रदेश को पेंछे छक्त रहे हैं।

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यमुना को स्वच्छ करने के लिए बुधवार को निर्माण भवन में आयोजित बैठक में केंद्रीय जल संसाधन मंत्री उमा भारती, शहरी विकास मंत्री वेंकया नायडू, दिल्ली के मुख्यमंत्री अर्विद केजरीवाल और ऊर्जा मंत्री सत्येंद्र जैन ने हिस्सा लिया। ● मोहम्मद जाकिर

गंगा की तर्ज पर साफ होगी यमुना

नई दिल्ली विशेष संवाददाता

केंद्र सरकार ने अब गंगा की तर्ज पर यमुना को साफ करने की तैयारी शुरू कर दी है। केंद्रीय शहरी विकास मंत्री वेकैया नायडू की अध्यक्षता में इस बारे में हुई पहली उच्च स्तरीय बैठक में केंद्रीय जल संसाधन मंत्री उमा भारती, सड़क परिवहन व नौवहन मंत्री नितिन गडकरी और दिल्ली के मुख्यमंत्री अरविंद केजरीवाल शामिल हुए।

फैसला

- वेंकैया नायडू, उमा भारती व केजरीवाल के बीच बैठक हुई
- जल संसाधन सचिव की अध्यक्षता में बनी समिति

बैठक में सफाई के विभिन्न पहलुओं के अध्ययन के लिए जल संसाधन सचिव की अध्यक्षता में छह सदस्यीय समिति गठित की गई है। समिति सितंबर के मध्य

तक अपनी रिपोर्ट देगी। दिल्ली में यमना का प्रवाह क्षेत्र 49 किलोमीटर लंबा है। इसमें कुछ क्षेत्र दिल्ली सरकार और कुछ दिल्ली विकास प्राधिकरण के तहत आता है। ऐसे में केंद्र और राज्य मिलकर इस अभियान को चलाएंगे।

बुधवार को नायडू द्वारा बुलाई गई बैठक में मुख्यमंत्री केजरीवाल के साथ लोक निर्माण मंत्री सत्येंद्र जैन, दिल्ली जल बोर्ड के अध्यक्ष कपिल मिश्रा भी मौजूद रहे।

Hindustan Times Statesman The Times of India (ILD.) Indian Expices Tribune Mindustan (Mindi) C

Funjah Keshan (Elinci) The Hindu Disjecthen Petrika (Filati) Decoat Chronicle Liebben Herald

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<u>end documentsd at Ehepirath/English)'s Fubliche Section, CYC.</u>

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हिन्दुस्तान



1859 में अमेरिका के तितुसविले में पेट्रोलियम का पहला कुआं मिला

क्रिसिल का आकलन

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यूपी-बिहार के लिए ज्यादा घातक मानसून की बेरुखी खेती पर निर्मर परिवार आय का जरिया खेती

मानसुन की बेरुखी यूपी, बिहार, महाराष्ट्र और कर्नाटक जैसे राज्यों के लिए घातक साबित हो सकती है। अन्न उत्पादन में 34 फीसदी हिस्सेदारी रखने वाले इन राज्यों में ज्वार, सोयाबीन, मक्का, तर दाल और कपास की पैटावार को सबसे ज्यादा नकसान होने का अंदेशा हैं। रेटिग एमेरी किसिल ने १६ अगस्त तक बारिश का असर ओंकने के बाद यह निष्कर्ष निकाला है।

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बारिश पर निर्मरता



बारिश भारत में मानसून के चार महीने में होती है।



खेतिहर भूमि सिंवाई के लिए मानसन पर निर्भर



हिस्से में कम बारिश, यपी, बिहार में ज्यादा असर

कहां-कितने मेहरबान बादल

राज्य	बारिश में अंतर	प्रमुख फसलें
यूपी	-32.9%	गेहूं, सरसों, मक्का
बिहार	-32.4%	गेहूं, दाल, तिलहन
के रत	-29.7%	चाय, इलायची, मक्का
पंजाब	-28.5%	गेहूं, मक्का
कर्नाटक	-24%	ज्वार, काबुली चना
महाराष्ट्र	-23.3%	ज्वार, गेहूं, काबुली चना
हरियाणा	-21.1%	गेहूं, सरसों
ओडिशा	-14.1%	धान
आंध्र प्रदेश	-13.7%	धान, दाल, मक्का
तमिलनाडु	-9.5%	चाय, कॉफी, मिर्च, हर्ल्दी

फिर भी पानी नसीब नहीं

यूपी और बिहार में खेतिहर भूमि का बड़ा हिस्सा सिवाई व्यवस्था से तैस है। बावजद

इसके फसलों को पर्याप्त पानी नसीब नहीं हो पा रहा है। कम बारिश की वजह से जलाशयों

कर्ज से लदे किसान

में पानी घटा है। 2014 में भारत में 12 फीसदी कम मानसूनी बारिश हुई थी।

सिंचाई की उपलब्धता

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आत्महत्या (नोट : कृषि मंत्रालय के ऑकड़े) किसान ज्यादातर किसान या तो फसल बीमा की किस्त भरने में असमर्थ हैं या भारी कर्ज के बोझ तले दबे हैं। बड़ी संख्या में किसान ऐसे भी हैं. जिन्हें फसलों का बीमा पैसों की बर्बादी लगता है। वे मानसून के जुएं पर दांव लगाना मनसिब समझते हैं। लिहाजा वे फसल बीमा के लाभ से वंचित रह जाते हैं।

क्यों महरूम

किसानों ने जान दी नुकसान की वजह से बीते तीन साल में

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रोवर मंगल पर पानी निकालेगा

त्र तकनीक

सिंगापुर ए**जेर्सा**

धरती जैसे जीवन की अनुकूल संभावनाओं वाले मंगल ग्रह पर इंसानी बस्तियां बसाने का काम तेज होने के साथ वैज्ञानिकों ने वहां खाने-पीने के जरूरी इंतजाम भी शुरू कर दिए हैं। इसी कवायद में सिंगापुर के वैज्ञानिकों ने एक ऐसा रोवर तैयार किया है, जो मंगल की बेहद ठंडी सतह से पानी निकालने और उसे जमा करने का यहत्वपूर्ण काम करेगा।

सिंगापुर यूनिवर्सिटी ऑफ टेक्नोलॉजी एंड डिजाइन और ऑस्ट्रेलिया की गिलमोर स्पेस टेक्नोलॉजी ने मिलकर रोवर के इस प्रोटोटाइप को तैयार किया है। वैज्ञानिकों ने इसे मार्स एक्वा रिट्राइवल सिस्टम (मार्स) नाम दिया है। वैज्ञानिकों ने केवल 10 हजार डॉलर के बजट में मार्स को तैयार किया है, जो अभी मंगल के तापमान और दबाव की 30 फीसदी तक की परिस्थितियों को सह सकता है। परीक्षणों के बाद यह मंगल की परिस्थितियों में पूरी तरह काम करने में सक्षम रोवर की शक्ल लेगा। लाल ग्रह पर गए क्यूरियोसिटी, फोनिक्स मार्स लैंडर जैसे कई रोवरों ने वहां पानी होने के संकेत दिए हैं।

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ट्रैक पर यमुना प्लान

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वीरेंद्र वर्मा, नई दिल्ली

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यमुना की सफाई और उसके किनारों को संदर बनाने के लिए दिल्ली मेट्रो रेल कॉरपेरेशन की तर्ज पर ही दिल्ली यमुना डिवेलपमेंट कॉरपोरेशन (डीवाईडीसी) बनाया जाएगा। कॉरपोरेशन यमुना की सफाई के साथ-साथ यमुना के किनारों पर कमशील एक्टिविटी, रेन वॉटर हार्वेस्टिंग सिस्टम लगाने और यमुना में वॉटर ट्रांसपोर्ट सिस्टम शुरू करने का काम करेगा। यह फैसला बुधवार को केंद्र सरकार और दिल्ली सरकार के बीच हुई मीटिंग में लिया गया।

सूत्रों से मिली जानकारी के मुताबिक, कॉरपोरेशन में केंद्र और राज्य सरकार की हिस्सेदारी 50-50 फीसदी की होगी। यह कॉरपेरिशन बनाने के लिए 6 सदस्यीय कमिटी का भी गठन किया गया है। कमिटी के सदस्यों में डीडीए के वाइस चेयरमैन, केंद्रीय शहरी विकास मंत्रालय के सेक्रेटरी. जल संसाधन मंत्रालय के सेक्रेटरी, जहाजरानी मंत्रालय के सेक्नेटरी, वन की ओर से लोक निर्माण विभाग के सेक्रेटरी शामिल होंगे। कमिटी अपनी रिपोर्ट सितंबर के महीने में देगी।

यमुना के विकास के लिए हुई मीटिंग संसाधन मंत्री उमा भारती, जहाजरानी दोनों अपनी जमीन कॉरपोरेशन को सौंप मिलेगी।



यमुना के विकास पर हुईं मीटिंग, कमिटी सितंबर में देगी रिपोर्ट

मंत्री नितिन गडकरी, दिल्ली के मुख्यमंत्री अरविंद केजरीवाल, लोक निर्माण विभाग के मंत्री सत्येंद्र जैन, जल बोर्ड के चेयरमैन सरकार के अधिकारी मौजुद थे।

जानकारी के मुताबिक इस समय दिल्ली मंत्रालय के सेक्रेटरी और दिल्ली सरकार में यमुना के आसपास 49 किलोमीटर जमीन है। इस जमीन में 27 किलोमीटर जमीन दिल्ली सरकार के तहत आती है, बाकी 22 किलोमीटर जमीन डीडीए के तहत आती है। डीवाईडीसी बन जाने में शहरी विकास मंत्री वेंकैया नायडू, जल के बाद दिल्ली सरकार और डीडीए

देंगे। उसके बाद कॉरपोरेशन यमना के किनारों को सुंदर बनाएगी। लैंड स्केपिंग की जाएगी। किनारों के आसपास की कपिल मिश्रा के अलावा केंद्र और राज्य जमीन पर रेन वॉटर हार्वेस्टिंग सिस्टम भी लगाया जाएगा, ताकि यमना का बाढ़ क्षेत्र व आसपास के एरिया में वॉटर रिचार्ज होता रहे। इसके अलावा लोग यमुना की खुबस्रती व शाम के वक्त यम्ना के आसपास घूमने आ सकें, इसके लिए किनारों के आसपास ही कमशंल एक्टिविटी भी शुरू की जाएंगी। इससे रेवेन्यू आएगा और यमुना का विकास करने में मदद

- यमुना की सफाई के लिए बनेगा दिल्ली यमुना डिवेलपमेंट कॉरपोरेशन
- डीवाईडीसी के लिए 6 सदस्यीय कमिटी बनेगी, सितंबर में कमिटी देगी रिपोर्ट

garana.

- **#** दिल्ली सरकार और डीडीए दोनों यमुना किनारे की अपनी जमीन कॉरपोरेशन को देने
- डेनों का पानी साफ कर गिरांया जाएगा नदीं में, नदी के किनारे बनेंगे सुंदर

कॉरपोरेशन यमुना के अंदर छोटे जहाज चलाने की भी शुरुआत करेगा। योजना तो यह भी है कि दिल्ली से आगरा तक छोटे शिप के जरिए जाया जा सके। उधर, यमुना में साफ पानी के लिए दिल्ली जल बोर्ड इंटरसेप्टर एंड डायवर्जन स्कीम पर काम कर रहा है। इस स्कीम के तहत यमुना में गिरने वाले तीन बड़े नालीं- नजफगढ़ ड्रेन, शाहदरा ड्रेन व सिप्लमेंट्री ड्रेन के साथ-साथ पाइपलाइन बिछाकर गंदे पानी को सीधे सीवेज टीटमेंट प्लाट तक ले जाया जाएगा। प्लांट में पानी साफ करके इसे फिर से नालों के जरिए यमुना में छोड़ा जाएगा, ताकि यमुना में साफ पानी के साथ-साथ बहाव भी बना रहे।