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nen water can make a difference

GOPAL KATESHIYA

BHAVNAGAR (GUJARAT), OCTOBER 11

"WHY DON'T you irrigate your crop when there is water nearby?", asks Kalu Sutariya, stopping his moped. "How can I? I have no diesel engine or electric motor pump to bring the water" is Hanu Chohla's prompt reply, as he maintains a vigil against nilgai (blue bull) and stray cattle that might damage the standing cotton on his field,

The 65-year-old Chohla's three-bigha (0.5 hectare) plot is part of a 10-bigha holding belonging to a cooperative society of Bharwads. a cattle-herder community to which he belongs. Ironically, the Bhoipara distributary. which branches off from the Limbdi Branch Canal (LBC), cuts straight through this 10bigha land at Ratanpur village in Vallabhipur taluka of Gujarat's Bhaynagar district, But there's no water flowing through the distributary, simply because a section of it has not been completed. That, in turn, has to do with the State Highway-36 connecting Bhavnagar to Ahmedabad. Bhojpara is among nine of the LBC's 26 distributaries, whose constructions Sutariva. His farm is only one km west of the tion is facing hurdles, as there is no forest clearance to cut the trees on both sides of the

LBC is part of an elaborate canal network to take the Narmada river waters to the parched agricultural lands of Gujarat's Saurashtra region. The Narmada Main Canal is near Kadi in Mehsana district of North Gujarat Water from it is conveyed to the Saurashtra Branch Canal, which then supplies to LBC and six other such sub-branch canal's. The sub-branch canals further supply to distributaries, followed by minor canals and finally the sub-minors that take

Incomplete construction of distributary canals is preventing most Gujarat farmers from accessing benefits from the Narmada project

the water to farmers' fields. *

While the Sardar Sarovar Narmada Nigam Limited (SSNNL) — which is implementing the massive Narmada project that seeks to irrigate 18.45 lakh hectares of land in Gujarat, including five lakh hectares of Saurashtra — has completed all the branch and sub-branch canals, the missing links in the distributaries and below is what's preventing the waters from irrigating the fields of farmers like Chohla. While the distributaries and minors are conventional open canals, the SSNNL has opted for underground pipelines for sub-minors to overcome the hurdles of land acquisition.

One such sub-minor canal of the Bhojpara distributary touches Sutariya's three-hectare farm in Ratanpur. 'They have laid the pipeline and even fitted a valve, but I haven't still got the water," complains Vallabhipur Branch Canal (VBC), a subbranch canal like the VBC with 33 distributaries. "With a couple of irrigations, my cotton yield can double to 18 quintals per hectare. There is groundwater here, but it is salty. The only option is surface water from Narmada, but I don't have the machinery and pipeline to draw it from the VBC," notes Sutariya, whose two sons work as migrant labourers in Surat.

The black cotton soil in this belt is highly suitable for cotton cultivation. That potential is now being realised by farmers in neighbouring Mevasa, which is east of the VBC and whose sub-distributary-4 (SD-4) is already watering around 1,300 hectares of the village. Dahya Limbani, who cultivates eight hectares, has sown cotton in six and fodder sorghum (jowar) in the remaining two. He is waiting to give his first irrigation, having already built dykes and installing a diesel engine on the SD-4 that borders his farm.

"Will we get water today from the canal?", Limbani asks Bhikhabhai Bagadiya, the sarpanch of Mevasa. "No, it'll take a couple of days. The VBC deputy engineer says if we open the head of SD-4 now, there will be back overflow into the branch anal where the water levels are already high. Once the VBCs vulnerable patch is fixed to prevent overflow, they will release water," the sarpanch tells him over phone.

But Mavii Chauhan, the or outvengineer in charge of SD-4, offers an interim solution. Limbani's farm is hardly 200 metres from the VBC. "Why don't you install accorde of diesel engines and pump water into SD-4? If you just lift the water from the canal, it can flow to your farm with gravity." Chauhan suggests. "But I don't know if my neighbour will allow me build a channel on his farm to bring water to my cotton field. So, I'm waiting for SD-4 water", Limbani shoots back.

The SSNNL has been releasing water into the VBC for roughly a decade now, whose value farmers like Limbani understand, "I have another two-hectare farm near a stream, into which the VBC water is released. I have been giving a single irrigation to my cotton crop for the last five years by drawing water from it using a diesel pump. My yields are now 20 quintals per hectare," points out Limbani. He has one son working as a diamond polisher in Surat and another, who helps him in the farm.

According to the sarpanch Bagadiya, who owns 20 hectares land, out of Mevasa's registered population of 2,200, hardly 700 live in the village. The rest have migrated to Surat, as they cannot depend on rainfed agriculture. But the arrival of Narmada waters has initiated a trend of reverse migration.

Madhayji Moradiya, who has three hectares land at Hadmativa village in Bhavnagar's Umrala taluka, migrated to Surat 20 years ago. His two sons are diamond traders in Mumbai. Till recently, Moradiya was giving his three hectares land to sharecroppers for cultivation. But this year, he decided to do farming himself. He and two other farmers have installed a diesel engine at the tail of the VBC. "My cotton crop is already ready for the first picking. I expect to harvest at least 20 quintals per hectare," says the 58-year-old, whose has studied only till Class II.

Vallabh Sakariva has planted cotton on his entire 28-hectare land at Kanthariya village in Vallabhipur taluka. That includes six of his own and 22 hectares he cultivates as share-cropper. Sakariya has installed a diesel pump at the tail distributary-1 canal of LBC, which has raised his irrigation cover to about 13 hectares. "I had no irrigation facility before the canal water arrived in 2015. Since then, I have been harvesting 400 quintals of cotton on an average, which is more than twice what it used to be." he says.

It is stories such as these that offer more than a ray of hope.

India's first APMC yard established with near-zero government assistance

Costing ₹125 cr, it includes farmer training centre, soil testing lab and produce grading facilities

GOPAL KATESHIYA

AMRELI (GUJARAT), OCTOBER 11

P P SOJITRA, chairman of the Amreli Agricultural Produce Market Committee (APMC), recently earned praise from Prime Minister Narendra Modi. The reason: the unique model of financing that the APMC employed in developing its new market yard at Fatehpur, a village on the outskirts of Amreli town.

The new yard, costing Rs 125 crore, has 10 auction sheds of 25,000 square feet each, an open bidding space of three lakh square feet, 200 shops/offices, a well-appointed guest house, a farmer training centre, soil testing lab and produce grading facilities, underground cabling and storm-water drainage systems. But what sets it apart from other APMC-owned yards in India is its being built with hardly any state support or bank loans.

Started in 1953, the Amreli APMC is the oldest in the Saurashtra region. The existing yard spread over six hectares has, over time, become the heart of Amreli town. And with rising crop arrivals, on top of vehicular population linked to the town's own growth, it has inevitably contributed to traffic snarls.

In 2008, Sojitra, then with the Congress, promised to develop a new and bigger yard outside the town. He repeated it while contesting the 2013 election to the APMC as well—this time as a BJP leader. Being with the ruling party, he thought, would make implementing the poll promise easier.

"We first approached the state government to allot us land, but got no response. So, we directly approached the farmers," says Sojitra, who was the BJP's Amreli district unit general secretary from 2012 to 2015.

The APMC initially bought 17 hectares from 10 farmers in Fatehpur, paying Rs 90 lakh per hectare each. But three farmers with three hectares refused, as their land was contiguous to the state highway. "We needed that tract, belonging to three brothers, to get the project going," notes Sojitra.

Ghanshyam Kanpariya was paid Rs 51 lakh per bigha (six bigha make a hectare), plus two shops in the new yard free of cost. The second brother Rasik was also given the same rate, along with an auctioneer's job in the APMC for his son Mehul. The last one Nanji, too, agreed after being offered Rs 55 lakh per bigha and a clerical job at the APMC for his mechanical engineering graduate son Vishal. Most farmers used the proceeds to buy cheaper land in nearby villages, in the process increasing their holding. Ghanshyam and Rasik Kanpariya even invested in embroidery work units at Surat, while Nanji bought a flat and shop in Ahmedabad for his elder son Jatin, who has a marketing job there.

While land acquisition costs, inclusive of registration charges, alone came to Rs 30 crore, the APMC had only Rs one crore of savings to start with. "To raise resources, we first



The entrance to the Amreli APMC's brand new market yard. Gop. 1 Kateshiya

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The APMC would till then continue outsethe sheds for auctioning crops. By Enc. 2013, all the assets in the old yard, barring office, had been leased out, generating Rs 3: 24 crore.

But since this wasn't enough, it was decided to solicit interest from traders for taking on lease 200 shops to be built in the new market yard. The response, however, was lukewarm. "Hence, we the Gujarat Agricultural Produce Market Act's provisions, making it mandatory for the APMC's 80 commission agents and 50 wholesalers to own offices in the new yard as a precondition for retaining their licences. We could, thus, sell around 150 shops. That, along with space sold to the Amar Dairy (Amreli District Cooperative Milk Producers' Union) and a bank, helped garner Rs 22.39 crore," adds Sojitra.

At the project construction stage, the APMC inserted a tender condition that required the private firm winning the contract to compulsorily purchase assets worth 25 per cent of the total cost. The total project cost, inclusive of land, was assessed at Rs 125 crore. The contractor's share of that came to Rs 31 25 crore.

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3 Couprine

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While land acquisition costs, inclusive of registration charges, alone came to Rs 30 crore, the APMC had only Rs one crore of savings to start with. "To raise resources, we first demolished a dilapidated shed in the old yard and constructed 200 shops there. These were, then, auctioned off on a 99-year lease basis. Net of building costs, we could mobilise Rs 20 crore," informs Sojitra.

The next step was to convert even the auction sheds in the old APMC yard into 132 platforms for vegetable retailing and 52 provision stores. The spaces were leased out in advance, with a condition that the possession would be granted only after three years.



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"Only for the balance amount, we had to avail of a Rs 25 crore NABARD loan, of which Rs 10 crore has been withdrawn. The only help we took from the state government was a Rs 5 crore grant under the Kisan Kalpvruksha Yojana, a scheme to fund creation of vegetable markets within APMC premises," states Sojitra.

While the new yard was formally inaugurated by the Prime Minister on September 17, the APMC intends shifting its operations there by end-October after Diwali. There couldn't be a more auspicious time for India's first APMC yard, built with least government assistance, to take off.

3 Coverint News item/letter/article/editorial published on

Nav Bharat Times (Hindi)

Hindustan Times

Statesman

The Times of India (N.D.)

Indian Express

Tribune Hindustan (Hindi) Punjab Keshari (Hindi)

The Hindu Rajasthan Patrika (Hindi)

Deccan Chronicle Deccan Herald

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sfreservöir not opened



Too close for comfort: The Srisailam reservoir brimming with water on Wednesday. 🕶 u. subramanyam. ...

G. VENKATARAMANA RAO

MAuthorities did not open the crest gates of the Srisailam 🕜 Reservoir on Wednesday, though the level of water reached dangerously close to the brim.

 The reservoir received an Haverage inflow of 1,24,600 cusecs the whole of Tuesday and an inflow of 1.05 lakh cusecs was recorded on Wednesday.

The outflow from the reservoir for generation and power and the irrigation schemes was pushed to the maximum of 79,103 cusecs.

With a flood cushion of just 6.22 tmcft on Wednesday morning, the authorities took a risk by not raising the crest gates.

But for the outflow of nearly 80,000 cusecs, the overflowing by Wednesday evening, irrigation experts said.

2009 incident

They recalled how things went haywire when a retaining wall of the same reservoir gave way in October 2009 and all water had to be released in a hurry resulting in a flood of over 10 lakh cusecs at the Prakasam bar-

rage that led to inundation of several low-lying areas and habitats upstream and downstream of the barrage.

The word around here is that the authorities have been asked to keep the gates closed till a Minister reached the dam site for releasing the water.

The dam authorities released 71,174 cusecs to the two power houses for generation purpose, 6,000 cuses to the Pothireddypadu Head Regulator, 332 cusecs to Handri-Neeva Sujala Sravanthi Left Irrigation Scheme and 1,597 cusecs for the Mahatma Gandhi (Kalavakurthy) Lift Irrigation Scheme.

Water dispute

Andhra Pradesh and Telangana have been at loggerheads with each other about reservoir would have been release of water from the reservoir , to irrigation schemes.

The Krishna River Management Board (KRMB) is an autonomous board constituted to regulate the drawing of water from common irrigation projects Srisailam and Nagarjuna Sagar, It recently wrote a letter to the Centre saying neither State was heeding to its orders.

Covering L., YIS

म् 10:11:111. ते निम्नलिखित समाचार पत्र में प्रकाशित मानसून्। बाढ़ सम्बन्धी समाचार

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ापन **टाईम्स (दिल्ली**)

The Tribune (Chandigarh)

The Hindu (Chennai)

The Assam Tribune (Guwahati,) The Times of India (Mumbai) The Telegraph (Kolkata) हिन्दुस्तान (पटना)

The Deccan Hearld (Bengluru) The Deccan Chronical (Hyderabad) Central Chronical (Bhopal)

lro-ecological approach suggested or revival of Kolong rivers?

GUWAHATI, Oct 9: A Gauhati Uni- ence, in its August 25, 2017 issue.

logical approach The Kolongis at present. Is sof spatial databases under GIS envi-parlance, is the act of working with a de the name of an engineering solution to analysis of fluvial, ecological and sociothe increasing flood hazard attributed to — economic databases, a scheme for reviv— sid.

It in the intermath of the Careat Assau ... bug the degraded Kolong river has been — for Farthquake of 1950, cure

has developed an elaborate hydrological. /un Assaulese) in the B database containing reak and design dis - colocked in 1964 by erecting charges for 10 years, 25 years, 50 years, 5 embankinent abits sake of poin and 100 years, bank mill discharge, stage— "Himura, 10 save Nagaton town and discharge rating curve, basin runoff etc., "accent areas ship maintained by asver flow with its ... connected with this niver system welcoity, channel width as well as depth) ... The Kolong with a total length of about of the Kolong river are also adequately... 250 kilometres (kms), has branched out ...

India for the past five years, under the

Minakshi Bora, the research scholar,

explored.

The fadings of her research, which dia, about 77 km upstream of Nagaon ser is he and other aquatic lorganid fauna, was sponsored by the Department of town, and has met it again at Kajalimukh including river dolphins, figurished Steam Science and Technology, Government of near Guwahati, in a joint channel with boats too once plied on this river adding the Kopili river, a major south bank tribe Brahmaputra. Kopili has met

Bora maintains that it is high time to undertake a holistic river restora programme for the Kolong gasping for hie because of the new sever conjugate fringly, she said, based on the graded river or stream products o revisering its link with the Brahmaphra in "1282 the geo-environmental setting and setting pre-disturbed confinion. Although graded river or stream process untries like USA, Japan, China, Rus-danssome parts of our own columny storation is pather a familiar still non-existent in Northespite widespread degrada

was at the root of the pros ast Nagaon sistrict area till Os. The allumium deposited during the flood season used y fertilize the dijoining flood

with a network of biological-ionically resourceful and hyignificant werlands, facilitatto the economic vigour of the people living by it maintains the research's

News item/letter/article/editorial published on

Hindustan Times Statesman

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Indian Express

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The Hindu

Rajasthan Patrika (Hindi)

Deccan Chronicle Deccan Herald

M.P.Chronicle (ibniH) is A Indian Nation Nai Duniýe (Hindi)

The Times of India (A)

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नई दिल्ली विशेष संवाददाता.

दोनो परियोजनाओं के लिए त्रिपक्षीय अखाव करना होगा। इसके प्रदर्शन के

केंद्र सरकार उत्तरखंड के हरिद्रार और काओर वाराणसी में गंग नदी पर बनने उत्तर प्रदेश के जाराणमी है के जारी पर के जाते सीवेज शोधन संयंत्र हाईबिड

ज़ेल संसाधन अदी विकास शीर जाएगी। निर्माण करने वाली कंपनी को लागत आएगी। गडकेरी ने कहा कि " प्रांगा संस्थाण मेंत्री नितित पडकरी ने डिपी संबंदी 35 साल बक् सर्वत्रका स्व डिपी संबंत्र ऑगले वे साल में बनकर

र्गेडकरी ने नई नेबसाइट का शुमारम किया

गडकरी ने गंगा से जुड़ी प्ररियोजनाओं के लिए नई वेबसाईट का शुभारम किया। इसमें चालू परियोजनाओं का विवरण रहेगा। इसके अलावा शरू होने वाली मिरियोजनाओं के बारे में जानकारी उपलब्ध रहेगी। गडकरी ने कहा कि गंगा के बाट, बुनियादी झांबा, तीर्थ यात्री सुविधाओं की लेकर निजी कंपनिया आवेदन कर कसती हैं। परियोजना संबंधी सभी नियम और शर्त वेबसाइट पर है।

इरिहार संयत्र पर 172 करोड़ सीर 🔑 🍜 कानपुर, बागलपुर सहित 10 शहर रीयार हो जाएंगे। उन्होंने कहा कि हरिद्वार, इलहाबाद, हावड़ा, पटना,

वासणसी संयत्र पर 153 करोड़ रुपये सबसे अधिक गंगा को प्रदृषित कुर रहे नागत आएगी। गडकरी ने कहा कि "हैं। शहरों की गंदगी गंगा में सहीं गिर इसके लिए और शोधन संयंत्र लगाए जाएंगे। मंगा परियोजनाओं की निगरानी राज्यमंत्री सत्यपाल सिंह करेंगे।

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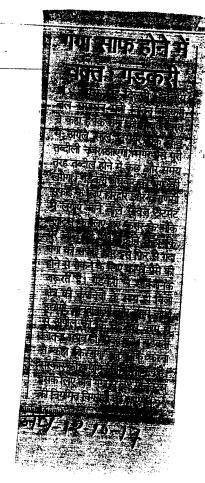
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