Need for Reassessment | ...

Written by Administrator Friday, 03 July 2009 08:36 -

Yojana Vol. 53 June 2009

Need for Reassessment

DEPARTMENTS king over the issue ater, irrigation and ds have changed	most of the issues affecting huma life but it is truer when floods ar expected to be mitigated by callin it a disaster.
ir names in the us, Department of ow become Water partment (WRD), s new incarnation gement and Relief on Department has sester Management 4D) and so on. By cs it appears that ds occurred in the se institutions for t someone ask what tually occurred, the	Disaster is defined a great or sudden misfortune Various governmential and nor governmental organizations try I combat disaster by proparing I face it, mitigate it and rehabilitat the poople to predisater situation All the three steps put together ar called disaster management. Floor are said to be a natural disaster b many while a significant sector of the society has started callin them manuade disaster because
	human intervention has appravate

in as

Dinesh Kumar Mishra

It needs to be realized that the problem is how to route the silt and not how to oute the water

definition tern Uttar sa or West because of recent past de disaster

iatural Floods -the civilizations s. Floods played positive role in start ff river of arcas. embar in that the em and th The o in the fo on the hope as solid

nkments – The root cause ig as indicated earlier, a program to embank the the Ganga-Brahmaputra

basin was taken up following the independence of the contry. When a heavily silt laden river is embanked, the sediment gest rapped within the embankments, pushes the bed level auccessively upwards necessitating the raising of the embankments also. There is a practical limit to which the embankments cam be raised and maintained. The river water seeps through these embankments and causes waterlogging in the countryside. The countryside and the l of the wate

is a practical limit to which the embankments can be raised and maintained. The river water seeps through these embankments and causes waterlogging in the countryside. The countryside is dearved of the neutral file to river was allowed to how freely. The embankments prevent the tubularies from entering the main river and shuice gates have to be constructed to allow this. These shuice gates cannot be opened during the rainy season because there is a possibility of the main river water entering into the michairy and the rain of the season because there is a possibility of the main river water entering into the michairy and there is a possibility of the main river water entering into the michairy and these shows near the ribbarries, on their own, may start flowing parallel to the main river outside, again flooding new areas. It can be suggested that to embankments of the main river and the tribbarry may get trapped Status of Floods Embankments - The Gove Cot trol Policy in 19 1 of

tary may get trapped. uter for this water to rough evaporation or the ground. Or else, to be pumped into streams. Should any nkments breach, then residing between the ments will meet their escape is through evaporation seeping into the ground. Or ei it may have to be pumped i either of the streams. Should a of the embankments breach, u the people residing between two embankments will meet th watery grave. No embankment, the guaranteed against breachin not even in the USA or China. pros. the of the m ha pro Of l

Planning C Five Year

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and not how to route the water. The 2007 flood in North Bih broke many previous record: Continuous rains between 1st Jul to 2nd August in Bihar plain Terai area of Nepal and the lown Himalayas broughliftero a standist for a very long time. It rained thre to four times more than the averag for weeks together and distirt like Samastipur, West Champara and Khagaria was virtually or man Khagaria was virtually or ut irom rest of the world considerable period. Elderly period. Elderly period. Elderly period. Elderly period. If the original suggest that they never seen so much of rain in life nor had they experienced a prolonged stagnation of rainw Surprisingly, with so much ofr and the accompanying losses to floods, no major river of N Bihar touched the recorded him

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seismic assessment of existing buildings, and criteria for seismic retrofitting.

Government must undertake retrofitting of important facilities. We cannot on one hand insist that every child must go to school and then have them go to schools with unsafe buildings. The tragic scenes from Muzaffarabad, where about 400 children died in collapsed school buildings, could recur in many cities in India. A serious retrofitting policy of the public buildings is needed before we expect private buildings to be retrofitted.

A prioritization system is needed. Since not all facilities can be retrofitted at the same time, to maximize the safety with the amount spent, we must have a rational prioritization system considering seismic hazard at the site, vulnerability of the facility, consequences of damages, etc. This may in fact be a topic of research by itself.

In brief, a lot of preparation and background work is needed before a serious effort at retrofitting can be launched.

An important step to solving the "earthquake problem" is to recognize that it is really not the "earthquake problem" but the "unsafe building problem". Hence, the focus must shift from earthquakes per se, to the buildings industry. We need to discuss and debate how the building industry can be improved in terms of what it delivers. It is also important to recognize that earthquake safety is a rather challenging engineering problem requiring decades of focused work, and cannot be solved in the short term: it is not easy to change the way people have done a task for decades!

A quote from the 1939 publication of the Geological Survey of India on the 1934 Bihar – Nepal earthquake says Leprosy is not a common disease, but the medical profession has done its utmost to eradicate it for the sake of humanity. Great earthquakes are not a daily disease of any part of the earth's crust but it should be our duty to do all that we can to reduce its effects. Unless this matter is looked upon in a broad way, posterity may yet look back upon our short-sightedness with regret.

In the Quetta area an excellent building code has recently been drawn up, and reconstruction has been rigidly enforced in terms of that code. Such enforcement is, perhaps, easier in such a military area, but at least Quetta provides an example of the practicability of a building code and of its usefulness. It is, perhaps, not too much to hope that the rest of Northern India will some day follow Quetta's lead.

This quote is as much valid today as it was sixty five years ago!

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