Yojana Vol. 53 June 2009

Need for Reassessment

Dinach Kumas Michae



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

of water, irrigation and all floods have changed and floods have changed their names in large their names in linguistic flows. Department of implicit for their particular their

most of the issues affecting human life but it is truer when floods are expected to be mitigated by calling

great or sudden ministrumed and not proven mental and not proven the property of the proven many while a significant section many while a significant section them manufact disaster because the problem of flooding. The floods in flores and sarrier calling human intervention has aggravated the problem of flooding. The floods in flores and continuing. The floods in flores and continuing, The floods in flores and continuing, The floods and the flooding beat of provided the flores and the flooding that the florest provided to flow, 2004, 2004, 2007 or even the 2008 flood of 1998, 2000, 2004, 2007 or even the 2008 flood in the Kos basin cannot be raise to the florest provided the Kos basin cannot be raise to the florest provided the florest pro

known to be in offing and they don't qualify to be rated into the disaster category for the very definition of it. Floods in Eastern Utars Pradesh, Assam, Orissa or West Bengal are aggravated because of human intervention in recent past and belong to mammade disaster category as massive investment on flood control have gone into these

Looking for Natural Floods-We all know that the civilizations grew along rives. Floods played survival of mankind. Flooding of plains is the nature's way of land building process; it adds fertilizing silt to the agreatural iand and replenishes the moisture the ground water table. Non-occurrence of floods is a greater disaster than floods in the flood plains of the river. Floods in the ground water table. Non-occurrence of floods is not flood plains generally, knew the ground water table. Nonsurvey of the proper living in flood plains, generally, knew the approximate dates when the floods would strike them and were prepared to face the same of flooding has got agarvated because of human intervention, giving it a form which we now call a disaster. This intervention has come mostly in the form along the rivers with the hope that they would stand as solid walls between the people and the rivers. That hope has been belied beyond any shade of dubbt over

embankments - The root cau of flooding as indicated earlier, massive program to embank the rivers of the Ganga-Brahmaput basin was taken up followin the independence of the country the independence of the country is crubanked, the sediment get anged within the melhandment pushes the bed level successive distribution of the embandment pushes the bed level successive distribution of the embandment pushes the bed level successive distribution of the embandments can be raised an supervised the pushes of the embandments of the melhandments of the embandments of the embandment of the embandment of the embandment of the embandments of the embandment of t

embankments amounts to falling into a trap wherefrom it is very difficult to come out. A section of engineers, however, believe that if water is passed through; narrow area, for example, between combankments, its velocity increase and so does its capacity to ered the banks and dredge the botton of the river thereby increasing the waterway of the river. More capacity of the river to discharge and bence the floods would be reduced. There is however, till weldence to substantiate this clair anywhere in the country.

Status of Floods and Embankments - The Government of India, after adopting the first Flood Control Policy in 1954, proceeded to construct 33928.642 kilometers length of embankments along its rivers, 38809.857 kilometers length of drain annuvanted floodwaters and protect 2458 towns against floods and raise 4716/villages above the maximum observed flood level. Progress of Physical Works under Flood Management Procrammed 19604 Management 19604 Management Procrammed 19604 Management 19604 Management Procrammed 19604 Management 19604 Manageme

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

flood prone areas as 45.64 Mina, and which an area of 16.457 min has sectimated to be protected by the end of March 2004. Central water Commission usages shatthe state has protected 18.222 million peculiar flooding and the control of the control

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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

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 a smuch valid today as it was sixty five years ago!

(Email: skjain@iitk.ac.in)