

WATER MANAGEMENT IN BANGLADESH
Lessons Learned from the Recent Past

by Sarwat Chowdhury

Flood control measures generate a false sense of security with resulting construction of infrastructures along the riverbanks, which causes more damage and casualties with an eventual substantial flood. This has been experienced in the US throughout the century.

WHILE debate and discussions on water management in Bangladesh continues in our policy making arena, a renewed consideration of our past water management projects including the Flood Action Plan (FAP) may be appropriate. The FAP was developed as a joint effort by the international community to combat recurring floods that affect most of the plain lands of Bangladesh.

country where too little water means drought, but too much water can cause hardship as well. In 1988 floods, which were described by hydrologists as a "once-in-a-century event," caused widespread destruction by forcing millions of people to abandon their homes. The 1987 and 1988 floods combined resulted in about 1500 casualties, and damage to crops and infrastructure amounted to about \$2 billion (Bangladesh Water and Flood Management Strategy, 1995).

Food and Agriculture Organization produced the well-researched nine volume Land and Water Resources Sector Study (LWR Study). The macro-engineering portion of the study pointed out that the yearly flow of the Ganges-Brahmaputra confluence is about double that of the lower Mississippi.

1) The Government of Bangladesh (GOB) /United Nations Development Programme (UNDP) Policy Study (May 1989) proposed a new master plan (1989-2015) which would completely embank the Ganges, the Brahmaputra and the Padma rivers to ensure their safe passage to the sea during the monsoon.

Structural flood control projects along the rivers of Bangladesh do not show success in either dry season or wet season agricultural productions. Several studies have found that flood control embankments subject to erosion from a mitigating river bed are poor investments for promoting wet season agriculture production because they cannot be made to work effectively.

People are most vulnerable since unlike a gradual water rise, there is no forewarning, or time for people to relocate. The Galloway Report published by the White House-appointed Interagency Task Force on Flood Control in June 1994 asserts that, to reduce the impacts of floods in the US, embankments should be taken down and wetlands should be restored.

ability of surface water has caused the ground water level to be pushed to further depths. In some areas, simple suction mode hand made pumps are now being replaced by deep-set hand pumps to extract water from greater depths.

delta. It is most likely that strong earthquakes will strike this area during the life of the embankments, therefore we should be careful in building barrages in our plain lands. The lone seismic observatory in Bangladesh is obsolete, and at present unable to read the intensity or to locate the epicenter of quakes as evidenced in the moderate earthquake in November 22, 1997 which cost more than ten lives.

Some Concluding Thoughts

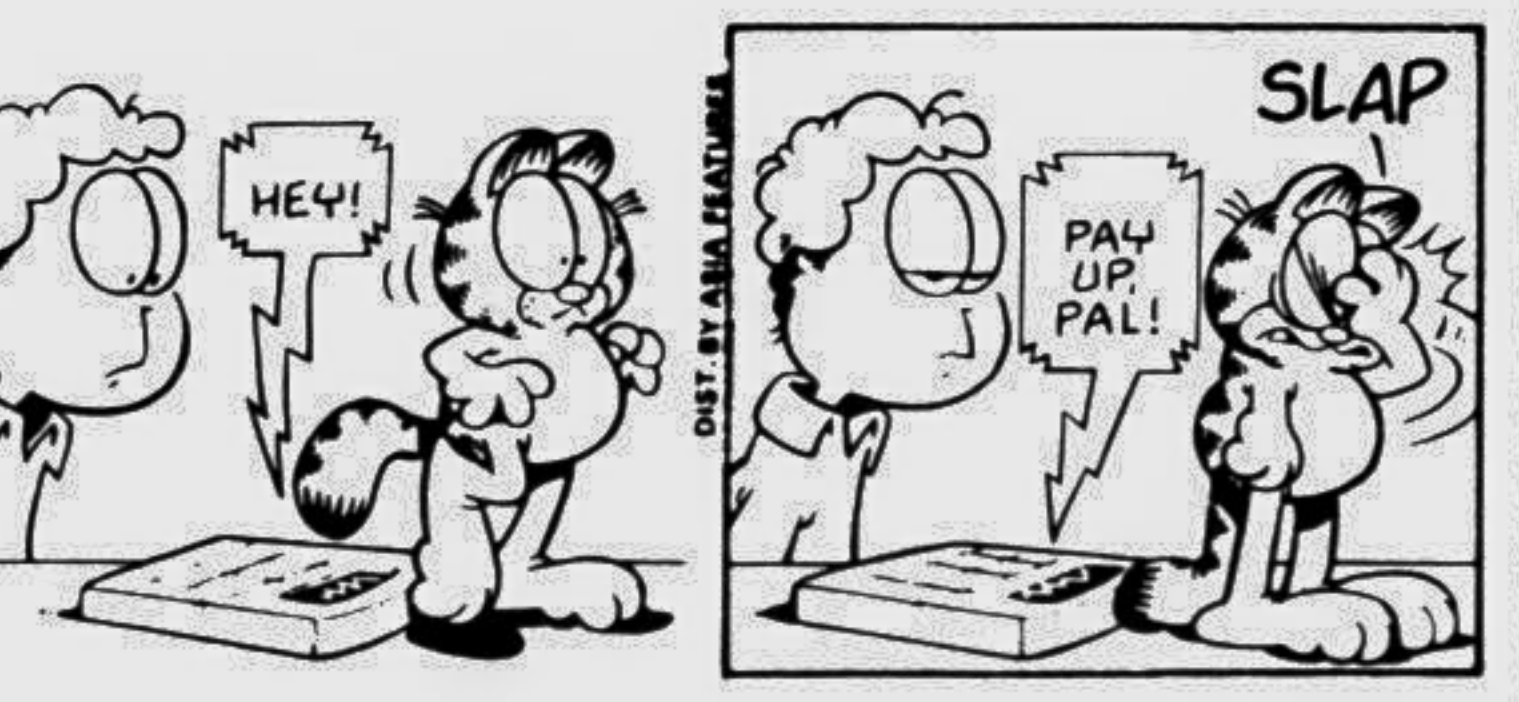
The water scarcity and drought problems in various parts of Bangladesh have become an even more persistent and alarming problem as compared to the more publicised natural problem of floods. The emphasis of dredging rivers in the proposed Ganges Barrage project seems to be a welcome move. Instead of embankments, dredging of Jamuna, Meghna, and smaller rivers would probably prove to be a more holistic solution.

The Threat of Earthquakes

Another critical issue relevant to the discussion is the fact that the rivers in Bangladesh are constantly changing their paths. Barry Dalal-Clayton in his 1989 issues paper published by the International Institute for Environment and Development claimed that, the mouth of the Ganges river has shifted 250 kilometers eastward in last 200 years, while the Brahmaputra is gradually moving westward.

Garfield

by Jim Davis



Tom and Jerry

By Hanna-Barbera



Flood Action Plan Revisited

The disastrous floods of 1987 and 1988, described earlier, caused heightened international interest regarding the floods in Bangladesh. The following five studies were undertaken with funding from the UNDP, and by the French, US, and Japanese governments respectively:

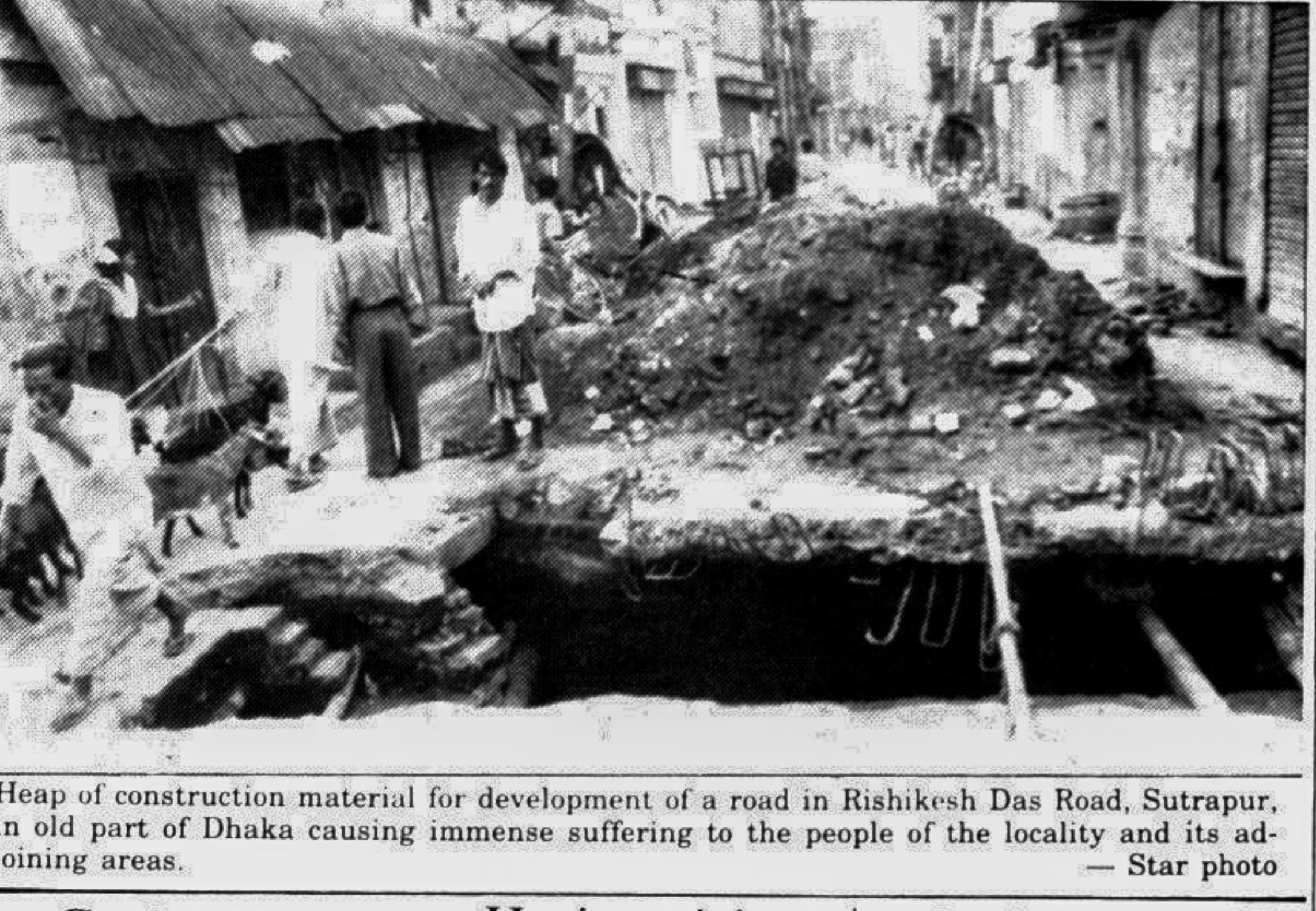
2) The GOB/French Engineering Consortium (May 1989) operationalized the GOB/UNDP structural proposals. It reintroduced many of the large-scale projects envisioned in the 1964 Master Plan, with total cost estimated \$5-10 billion to fully contain the major rivers.

3) The United States Agency for International Development (USAID) Eastern Waters Study (April 1989) examined the flood problem in the context of the Ganges-Brahmaputra-Meghna river basin, raised the environmental sustainability issue, cautioned against expensive structural solutions, and argued for increasing national resilience to floods, improving flood warning systems, and implementing flood-proofing programs.

Metropolitan

Govt believes in equal development of all parts of country: Speaker

Speaker Humayun Rashed Chowdhury yesterday said the present government firmly believes in equal development of all parts of the country, reports UNB. "To achieve this goal, the government has taken various pragmatic steps for the development of the less-developed areas," he said addressing the golden jubilee function of Jalalabad Association.



Heap of construction material for development of a road in Rishikesh Das Road, Sutrapur, in old part of Dhaka causing immense suffering to the people of the locality and its adjoining areas. — Star photo

Gaziul Haq indisposed

Language Movement veteran Advocate Gaziul Haq has been suffering from jaundice. Haq, a member of the advisory council of Awami League, was advised by doctors to take one month full rest, says a press release.

Hasina visits Jabunnessa

Prime Minister Sheikh Hasina visited ailing Jabunnessa Ahmed, mother of martyred Sultana Kamal and mother-in-law of martyred Sheikh Kamal at a city clinic, reports BSS.

Spring poetry festival Mar 28

Bashantakaleen Kabita Ushab '98 (spring poetry festival), organised by Kabikantha, a poetry magazine, will be held on March 28 at 'Jalshaghar,' Hotel Purbani, in the city, says a press release.

2 hand grenades, 286 bullets recovered in Ctg

CHITTAGONG, Mar 13: Kotwali police recovered two hand grenades and some 286 rounds of bullets of different firearms from a pond at Ranirdighi, Nandankanan here this afternoon, reports BSS.

Weather

Thundershowers likely

Rain or thundershowers accompanied by temporary gusty wind is likely at a few places over Barisal and Dhaka divisions and the regions of Khulna, Jessore, Kushtia, Pabna, Bogra, Noakhali, Comilla, Chittagong and Sylhet till 6 pm today, reports UNB.

Obituary

Abu Hamid Anwarul Haque (Anna Miah), of Becharam Dewry, died on Thursday old-age ailments. He was 87, says a press release.

Urs

The holy Urs mubarak of Hazrat Shahjalal (R) will be held on March 19 and 20 at Dargah Sharif in Sylhet, says a press release.

Equity in Health: A Moral Issue

by Dr M Zakir Husain

When the international community had launched Health for All, there was an air of optimism. It was hoped that economic growth, if not prosperity, will benefit all countries, a new spirit of global solidarity and cooperation with peace will reign, and the world will come out of the poverty trap.

IN 1978, at the historic Conference at Alma Ata (former Soviet Union and now Kazakhstan), the international health community determined Primary Health Care as the key approach to the attainment of Health for All. Earlier in 1971, the World Health Assembly — the world parliament on health — had adopted Health for All by the year 2000 as the social goal that will permit all people to live a socially and economically productive life.

Kibria informed that construction work of the Dhaka-Sylhet highway will begin in the current fiscal year with financial assistance of the World Bank.

Table with 4 columns: City/Town, Temperature in Celsius (Max, Min), Humidity in percentage (Morning, Evening). Rows include Dhaka, Chittagong, Rajshahi, Khulna, Barisal, Sylhet, Cox's Bazar.