



**POST EVENT ASSESSMENT OF TINAU RIVER
(NEAR LUMBINI NEPAL, BIRTH PLACE OF
LORD GAUTAM BUDDHA)
AND
RECENT RECOVERY EXPERIENCES OF
SAPTAKOSHI FLOOD IN NEPAL**

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Iswar Raj Regmi
Under Secretary
Ministry of Home Affairs
Nepal

- Greeting from world highest mountain Sagarmatha (Mount Everest) and birth place of Gautam Buddha Nepal)
- Nepal is a disaster prone country, earthquake vulnerability 11th, flood and landslide 30th in the world.



Lumbini Nepal



- ▣ This is the place of Lumbini, Birth place of Lord Gautam Buddha, founder of Buddhism. Lumbini is a part of Western Nepal.
- ▣ In the northern part of Lumbini, there is Tinau river. This river comes from mid areas, where there are beautiful mountains and forests. Rain, landslide, floods are the regular phenomena of this river. This river have a lot of environment and climate change concern in this areas including Lumbini.

Origin of Tinnu River



- ▣ Before 27 years (1981 AD) there was a big flood in this River. This river was very cruel at that time. About 70 people killed and billions of property destroyed by the flood. A lot of forest and plain land was destroyed by the river. Drinking water, sanitation problems outburst at that time.
- ▣ Madhi Phat, Karabari, Doban were in environmental problems. After the big flood climate change issue outbrusted.

- ▣ Still now human settlement is increasing in both the bank of this river.
- ▣ Local and community people developed checkdams, gabionwalls in both the vulnerable side of river. Bio-engineering developed on such walls. In the source of river forest and green vegetation was developed.

Encroachment of River Area



- ❑ Neither the river damaged so much property nor the river killed so much people as before 27 years. Silts in the river are cleared in every year by the local communities. stones and sand from the river bed removed by the communities. By such works the bed of river became deeper and the rainy water could not come out from the river.

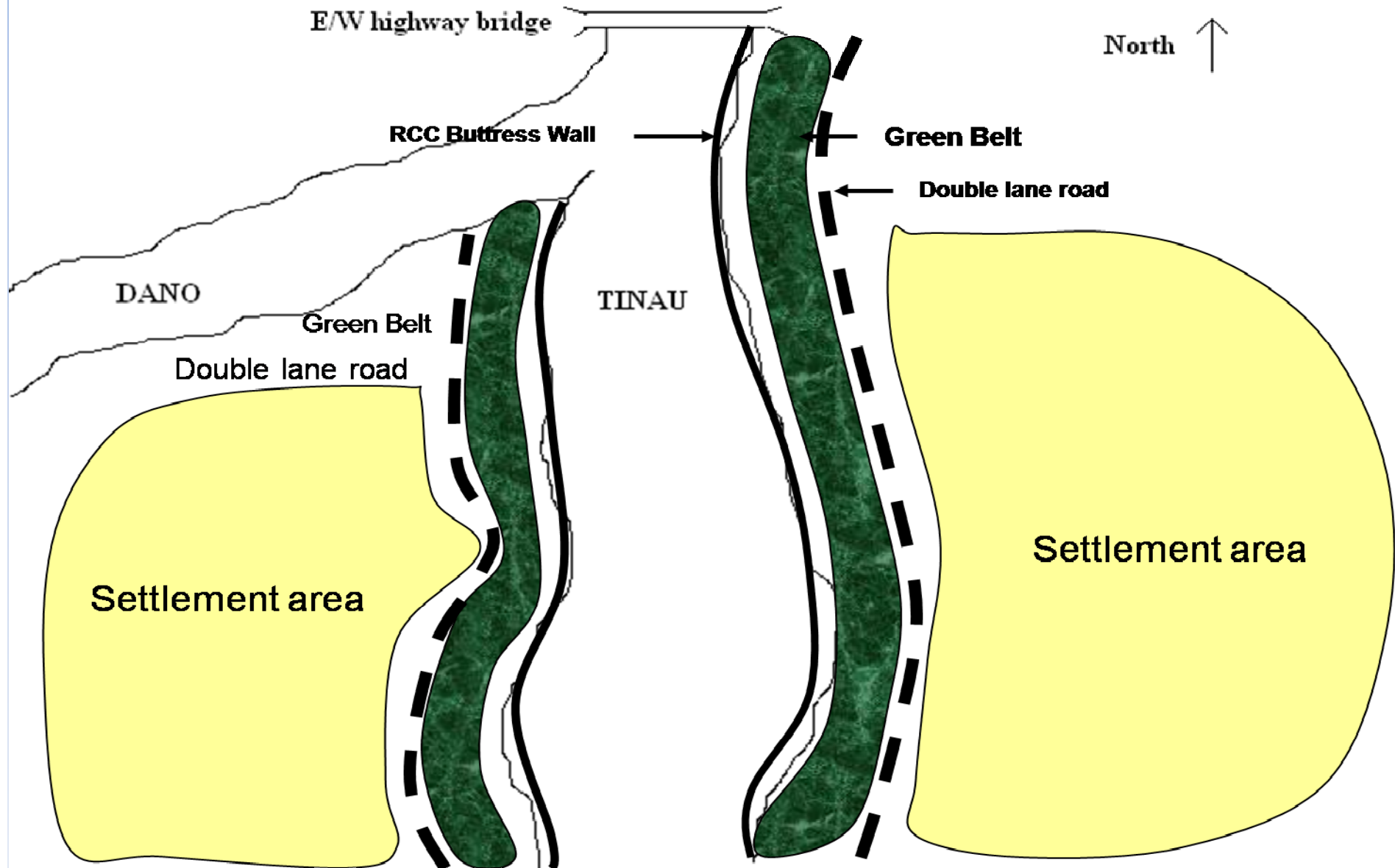
- Now the mining activities in this river is rising a lot. Municipalities and local people earned some money from this river mining activity. But structural works like road, bridge, suspension bridge, gabionwalls, houses near the river and other construction works are into dangerous position

Degradation of Tinau river



- If Tinau river will not trained in due process, it can badly influence the Lumbini areas (Birth place of Gautam Buddha). Both the municipalites (Butwal and Siddharthanagar) are planning to train this river. If the plan can success the holy birth place of Buddha will culturally and environmentally conserved, but a lot of resourced will needed to success this plan.

Plan for Tinau Training



- ▣ Though we have to do a lot to train Tinau river. We are success to check the flood on this river. The main cause of checking flood is removing the silts from the bed of the river.
- ▣ In Nepal there came a big flood in Sunsari district when Saptakoshi broke its eastern embankment. Near about 60 thousand people displaced by the flood.



Koshi Flood



- ▣ Government of Nepal managed the flood affected people with the help of national and international agencies.
- ▣ Now Govt. is going to implement return package (Rs. 50,000 with three month food and shelter kits) to those displaced family who are interested to return their homes. Govt. of Nepal is planning to other displaced people near their homes. Different Govt. agencies and international and national agencies are involved to solve the problems.

- ▣ Another natural flood came in Mid and Far Western region of Nepal in this year (September 19-21). Near about 100,000 people displaced, 100 killed and huge property damaged by the flood. Govt. of Nepal made a plan to spend 2500 million rupees for the benefit of flood victims.

W. Flood



- ▣ A lot of landslides and floods are happening in Nepal which needs financial support in humanitarian ground. Management of disaster is the management of environment and management of climate change. Now legal frame, national strategy, new policy are in the implementation process in the field of disaster to implement all the points of Hygo plan of action.

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Thanks