

Consequences of river training structures: A case of Laxmanpur Barrage and afflux bunds near Indo-Nepal border

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ABSTRACT:

Overland runoff from Nepal enters into India. A vast land (of India near) Indo- Nepal border is vulnerable to inundation every year due to monsoon floods. Non monsoon flows of Nepalese rivers are extensively used for irrigation in India where as monsoon floods are delayed over Nepalese territory due to constructions of afflux bunds and dykes in Indian soil near Indo-Nepal border. Afflux bunds block overland flows as well creates runoff retarding ponds. This paper describes briefly the consequences on Nepalese land due to the construction of Laxmanpur barrage and afflux bunds with references to legal aspects and fluvial hydraulics.