

Sediment problems and sediment management in the Indian Sub-Himalayan region

UMESH C. KOTHYARI

Dept. of Civil Engineering, Indian Institute of Technology, Roorkee-247667, India
umeshfce@iitr.ernet.in

Abstract Alluvial rivers as well as gravel- and boulder-bed rivers in the Indian Sub-Himalayan region pose many problems for the inhabitants of the region. Landslides and floods triggered by heavy rainfall result in colossal damage to life and property. The design, construction and maintenance of dams, reservoirs, bridges and other infrastructure pose important challenges due to the complex role played by the sediment transported by the rivers of the region. This contribution reviews the current status of sediment management in the region by means of illustrative examples and sample data.

Key words sediment; sediment problems; sediment management; Indian sub-Himalayan region
