36 000 m³ sediments were removed during the first two months of operation.

Project Description: 86 MW, Run-of-River, commissioned 2001
Annual production of 350 GWh, Net head is 600 m and discharge is 26 m³/s.
Malana HPP have four desilting basins, a 249 000 m³ storage reservoir and a 3.3 km long
Headrace tunnel.
2 vertical shaft Pelton turbines.

Location: Kullu District, Himachal Pradesh, India
32°02'09.4"N 77°15'21.7"E

Client: Malana Power Company Ltd (MPCL), a joint venture between SN Power of Norway
and LNJ Bhilwara of India.

Sediment Challenge: The power plant has since commissioning in 2001 suffered from abrasive sediments,
leading to severe turbine wear. Average grain size of the sediments is 0.09 mm.

Solution: SediCon supplied a SediCon Dredge, allowing sediment removal without input of
power, by using a hydrosuction system.

Implementation: The SediCon Dredge was implemented during monsoon season 2005.

Results: During two months in the summer of 2005, 36 000 m³ sediments were removed from
the storage reservoir. As sediments were removed only during monsoon, when excess
water is available, no water was taken from production.

SediCon is the leading supplier of sediment handling worldwide and provides reliable
solutions with low water consumption and uninterrupted power production.