

SediCon Sluicers for Upper Solu HEP, Nepal

SediCon will supply 3 SediCon Sluicers for Upper Solu HPP



Desander location



Desander construction

Project Description:	23.5 MW, Run-of-River, expected to be commissioned on 2018 Annual production of 110 GWh, Gross head is 229.3 m and discharge is 12.26 m ³ /s.
Location:	Solu Khola, Solukhumbu District, Nepal 27°32'53.3"N 86°34'51.1"E
Client:	Upper Solu Hydro Electric Company Limited
Sediment Challenge:	Solu Khola is a snow fed river that carries heavy sediment load during summer season it transports a sediment concentration of up to 6000 ppm. During monsoon, heavy rain causes important sediment transport.
Solution:	SediCon re-designed the original 2 basin-desanders, proposing a single basin including three SediCon Sluicers. The design will allow sediment removal without interrupting power production, with a minimum of water consumption and reducing the cost of the civil works. The SediCon Sluicers will have a combined capacity of up to 1.000 ton of sediments per hour.
Implementation:	Installation is expected by early 2018.

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