

## SediCon Sluicers for Upper Dordi A HPP, Nepal

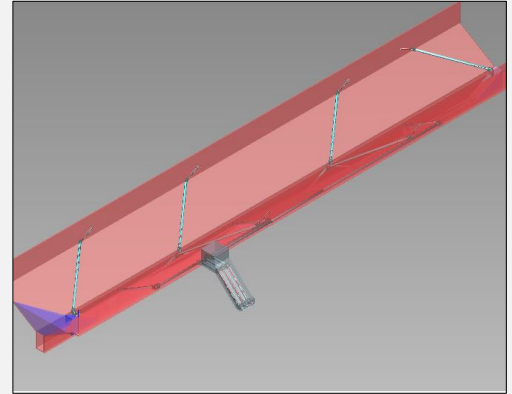
SediCon will supply 3 SediCon Sluicers for Upper Dordi HPP



Desander construction site



Desander location



3-D Model

<b>Project Description:</b>	25 MW, Run-of-River, Annual production of 138 GWh, Net head is 300 m and discharge is 9,8 m <sup>3</sup> /s. One 90 m long and 16 m wide desanders.
<b>Location:</b>	Dordi Khola, Lamjung District, Nepal <a href="#">28°15'00"N 84°28'46"E</a>
<b>Client:</b>	Liberty Energy Company Ltd.
<b>Sediment Challenge:</b>	Dordi Khola is a perennial and snow fed river that has a total drainage of 300 km <sup>2</sup> . Sediments carried by this river contain a high average content of quartz that can affect turbines.
<b>Solution:</b>	SediCon re-designed the original 2 basin-desanders, proposing a single basin desander with three SediCon Sluicers. The design will allow sediment removal with a water consumption of 5m <sup>3</sup> of water per m <sup>3</sup> sediments. The SediCon Sluicers will have a combined capacity of up to 2.000ton of sediments per hour.
<b>Implementation:</b>	Installation of SediCon Sluicers is expected for early 2018.

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