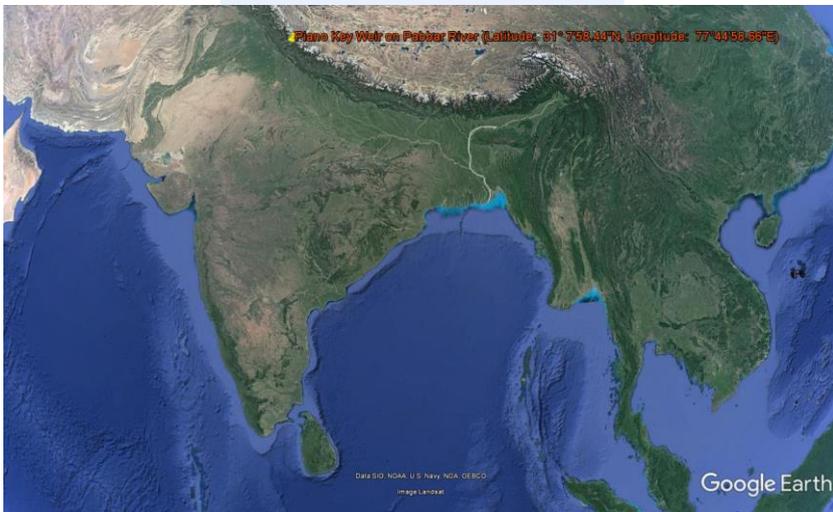
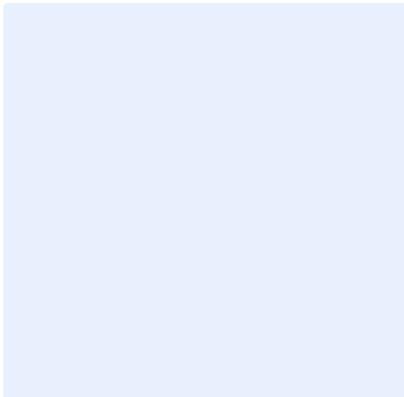




Dam's name:

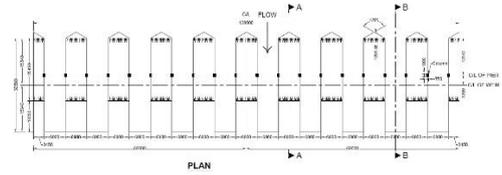
**SAWRA-KUDDU
HYDROELECTRIC PROJECT**

PKW's year of construction: 2013



Country: India

<i>Progress of work :</i>	Constructed (Not Commissioned)
<i>Dam's owner:</i>	Himachal Pradesh Power Corporation Ltd, India
<i>Consultant:</i>	Dr. Nayan Sharma and his team from IIT Roorkee (Physical Model)
<i>Contractor:</i>	
<i>PKW location:</i>	Spillway of the Dam
<i>Downstream energy dissipation type:</i>	Stepped Spillway+ tailrace channel
<i>PKW purpose:</i>	Increase spillway discharge capacity, reduce sedimentation in upstream pond and Decrease overall Project cost
<i>PKW discharge capacity at MWL (m³/s):</i>	2500
<i>Dam design flow (m³/s):</i>	6940
<i>Monitoring devices (Presence and type):</i>	No
<i>Aeration (type and diameter of the pipe):</i>	
<i>Overflowing Frequency:</i>	
<i>Number of overflow known:</i>	0
<i>Maximum head on PKW experienced (m) and date:</i>	Field observations not available
<i>Type and number of other spillway:</i>	5 undersluice spillway
<i>Material of the PKW:</i>	Reinforced concrete
<i>B (m):</i>	30.68
<i>P (m):</i>	10.45
<i>W (m):</i>	138
<i>L (m):</i>	751.60
<i>Number of inlet:</i>	10
<i>W_i (m):</i>	6.9
<i>Number of outlet:</i>	10
<i>W_o (m):</i>	6.9
<i>T_s (m):</i>	0.75
<i>PKW cost (k€)</i>	
<i>Total project cost (k€)</i>	



Plan view of the PKW



Cross-section view of the PKW

Comment :
Hydropower dam where PKW has been built. The Main technical difficulties of Sawra Kuddu HEP relate to low spillway capacity and overall project feasibility.