**Dam’s name:** XUAN MINH

**PKW’s year of construction:** 2016

19° 52’ 50”
105° 20’ 08”

**Country:** Vietnam
### Progress of work:
- Under Construction

### Dam’s owner:
- VINACONEX P&C

### Consultant:
- PECC1 (studies)
- VAWR (physical model)

### Contractor:
- VINACONEX P&C

### PKW location:
- On the dam crest

### Downstream energy dissipation type:
- Reinforced concrete slab at the toe of the PKW

### PKW purpose:
- Replace a barrage with a total gated spillway

### PKW discharge capacity at MWL (m³/s):
- 9700

### Dam design flow (m³/s):
- 11,900

### Monitoring devices (Presence and type):
- No

### Aeration (type and diameter of the pipe):
- No

### Overflowing Frequency:
- -

### Number of overflow known:
- 0

### Maximum head on PKW experienced (m) and date:
- 0

### Type and number of other spillway:
- Auxiliary spillway: 25-meter weir with 2 radial gates on the left bank

### Material of the PKW:
- Reinforced concrete

<table>
<thead>
<tr>
<th>B (m)</th>
<th>18.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>P (m)</td>
<td>7.50</td>
</tr>
<tr>
<td>W (m)</td>
<td>150</td>
</tr>
<tr>
<td>L (m)</td>
<td>894</td>
</tr>
<tr>
<td>(W_i) (m)</td>
<td>3.6</td>
</tr>
<tr>
<td>(W_o) (m)</td>
<td>3.0</td>
</tr>
<tr>
<td>(T_s) (m)</td>
<td>0.30</td>
</tr>
</tbody>
</table>

### Comments
- PKW Type B
- \(P_m = 6\) m
- \(P_i = P_o = 7.50\) m
- \(P_T = 15\) m
- The cost of the PKW is only 13% of the total cost of the HPP.
<table>
<thead>
<tr>
<th>PKW cost (k€)</th>
<th>2700</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total project cost (k€)</td>
<td>20 520</td>
</tr>
</tbody>
</table>