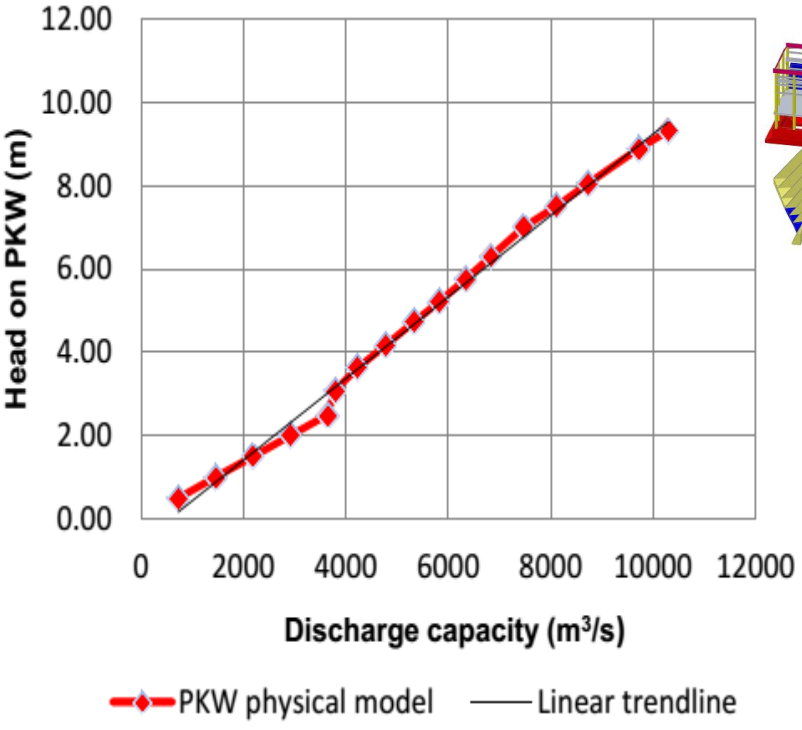
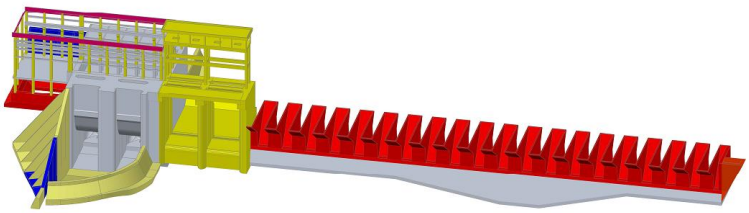
Dam's name: **XUAN MINH** *PKW's year of construction:* 2016

19° 52' 50''

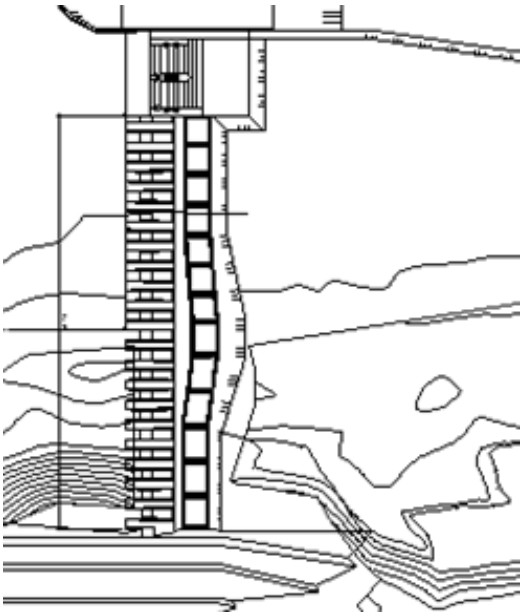
105° 20' 08''



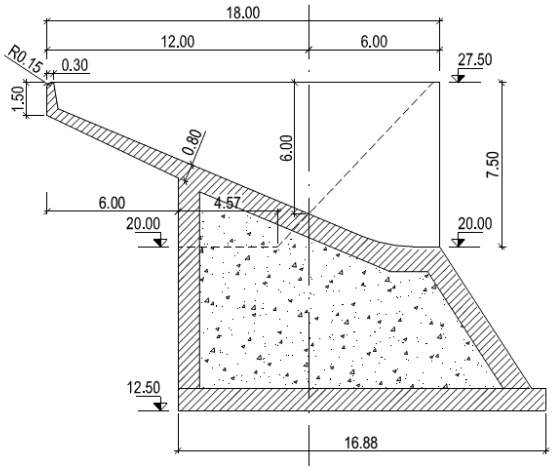


Country: Vietnam

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
B (m):	18.00
P (m):	7.50
W (m):	150
L (m):	894
Number of inlet:	21
W_i *(m):*	3.6
Number of outlet:	21
W_o *(m):*	3.0
T_s *(m):*	0.30



Plan view of the PKW



Cross-section view of the PKW

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.

PKW cost (k€)	2700	
Total project cost (k€)	20 520	