CHAMERA DAM SPILLWAY STAGE - II
HIMACHAL PRADESH

SALIENT FEATURES

Location : Chamba District, Himachal Pradesh
River : Ravi
Power Generation : 300 MW
Maximum Discharge : 9000 m³/s
Type of Dam : Concrete Gravity Dam Height 39 m
Spillway : 4 Spans of 15.0 m wide separated by 6 m thick piers
Radial Gates : 21.5 m (H) 15.0 m (W)
Energy dissipator : Stilling Basin

MAJOR STUDIES

Comprehensive model scale 1: 55 and Sectional model 1:40
😊 Approach flow conditions upstream of spillway and power intake
😊 Assessment of discharging capacity & pressures on spillway
😊 Performance of stilling basin
😊 Alignment of Power Intake

BENEFITS

 ├── Orientation of dam axis for approach flow conditions
├── Modifications in spillway profile for improvement in coefficient of discharge
├── Optimised design of stilling basin from the considerations of dissipation of energy and flushing of silt
├── Alignment and layout of power intake revised for tranquil flow conditions
├── Dressing of hill on upstream for better approach flow conditions