

PATIKARI HYDRO ELECTRIC PROJECT (2 X 8 MW)

Location of Project: Mandi Dist, Himachal Pradesh
Name of Client: Patikari Power Private Limited
River : BakhliKhad, tributary of Beas River
Catchment area: 216 km²
Diversion : Weir 27 m long Ogee type diversion weir
Desilting chambers: 2 no, 4.5 m width, 55 m long surface type
Head Race Tunnel : 1.8 m wide, 2.1 m high, 3614m long, D-shaped
Surge Shaft : One number 6.0 m dia
Penstock : One number 1.3 m dia, 715m long
Power House: 45m X 21.5 m, surface type
E&M Equipment : Two numbers, 2 Jet, Horizontal Pelton Turbines operating at the rated net head of 356.3m, coupled to Synchronous Generators, each delivering 8 MW plus 15% continuous overload at its terminals.

Project Status Overview :

All Project components were successfully completed well within the specified Time Schedule. First Generating Unit was commissioned on 18th January 2008 and the Project was accorded the Commercial Operation (COD) w.e.f.6th February 2008.

Generation during Dec 2011 was 2.39 MU which is 43.4% of Design Energy of 5.51 MU for this month.

Generation during first eight months of current financial year 2011 was 48.74 MU which is 84.05% of the Design Energy (57.98 MU) for the corresponding period.

Our Role :

EIPL has provided Consultancy Services related to Detailed Design Engineering, Construction supervision & Project management for this Project.

EIPL's Scope of Work included :

EPC Contact for the design, manufacture, supply, erection, testing and commissioning of E&M (Power Plant) and O&M supervision.