



KYNSHI – I HYDROELECTRIC PROJECT

CLIENT:

Athena Kynshi Power Pvt. Ltd.

LOCATION:

Meghalaya, India

SCOPE OF SERVICES:

AEMPL engaged to provide Engineering Consultancy Services for Preparation of Pre-feasibility Report (PFR), Detailed Project Report (DPR), Tender Design and assistance in award of EPC Contract for 270 MW Kynshi – I HE Project, Meghalaya.

PROJECT DESCRIPTION:

Kynshi – I Hydro Electric Project has been contemplated as a run of the river scheme situated in the West Khasi Hills district of Meghalaya. The Dam site is located on River Kynshi, D/s of confluence of Umkyrtha River with Kynshi River. The Project will utilize a gross head of 581.00 m and design discharge of 54.86 cumecs for generation of 270MW.

The Project comprises a 58.10 m high Concrete Gravity dam, two de-silting basins of 12 m X 21.5 m X 200 m; 6.89 km long 4.5 m diameter HRT, 67.5 m high 8.5 m diameter surge shaft, 1855 m long & 3.6 m diameter pressure tunnel including horizontal & vertical shaft. An underground power house housing 2 units of 135 MW. A 2.5 km long 5.25 m diameter tunnel conveys back the water back to River Kynshi after power generation. Design Energy is 1067 MU in 90% dependable year.