

Kyanshi 270 MW

Brief Scope of Works : Consultancy services for preparation of Detailed Project Reports and providing assistance in obtaining clearance of DPR, EIA/EMP reports for statutory authorities.

Name of Client : Athena Kynshi Power Private Limited

Location of Project : Meghalaya, India

About the Projects :

The project is a R-O-R scheme located on Kynshi river in Arunachal Pradesh. The project has the following features :

- Installed Capacity : 270 MW
- Concrete Gravity Dam : 53 m High
- Gross Storage: 344.80 MCM
- Storage at MDDL: 194.80 MCM
- Live Storage: 150.00 MCM
- Diversion Tunnel 1 No. 6.0 m Diameter of 487 m length
- Head Race Tunnel 5.0 m Diameter, 7.6 km Long, Horse Shoe Shape
- Design discharge: 57.5 Cumec
- Net Head: 587.2 m

Services Provided by EIPL :

The following activities have been successfully completed by Energy Infratech :

Preparation of Detailed project /Engineering report and provided all the necessary assistance in obtaining Concurrence for the DPR from Central Electricity Authority of India (CEA)/ Central Water Commission of India. Following Studies were undertaken for preparation of Detailed Project Engineering Report :

Topographical Survey of the project area covering all major project structures and their components, reservoir, infrastructure facilities, quarry & borrow area, river etc.

- All geological surface and sub-surface survey and investigations including drilling, drifting, etc.
- All geological, geophysical, photo-geological studies and their interpretation including procurement, supply and interpretation of photo geological / satellite/GIS maps.

- Construction materials survey and testing for estimation of quantities and engineering quality of various materials.
- All Hydrological, Flood, Sedimentation and Power Potential studies considering mandatory environmental release and Fixation of optimum Project parameters based on various alternatives.
- Design and drawing of various structures and equipment based on various alternative studies, including proposal for the best alternative.
- Planning and design for various approach road.
- Planning and study for requirement and availability of construction power.
- Cost estimation for the project and financial analyses.