

COMPREHENSIVE CONTRACT MANAGEMENT SERVICES FOR IMPLEMENTATION OF EPC CONTRACT FOR CONSTRUCTION OF 12 MW KARNAH HEP IN KUPWARA DISTRICT

Client:

Jammu and Kashmir State Power Development Corporation Limited

Location:

Kashmir, India

**Scope Of Services:**

Review of contractor's design, Supervision of construction of Civil, Hydro Mechanical/ Electromechanical works. Supervision of manufacture of equipment, Management of contractor's claims, Assurance of Quality control.

Project Description:

The J&K State Power Development Corporation intends to implement 12 MW Karnah Hydro Electric Project under Prime Minister's Development Package -2015 (PMDP-2015) in Jammu and Kashmir State. The Karnah Hydroelectric Power Project (12 MW) with Installed capacity of 3x4 MW is situated at the stream named Quazi Nag at the Basin of Kishan Ganga near village Khudri in Tehsil- Karnah, District-Kupwara, Jammu & Kashmir corresponding to a design discharge of 13.47 cumecs and design head of 98.58 m.

Project Characteristics:

- 3 no. Horizontal Francis Turbine of each 4 MW capacity (3 x 4 MW)
- Open Trapezoidal Lined Canal Feeder Channel with design discharge of 13.47 cumecs and 100 m long; Trench weir of length 31.5 m
- Number of Intake gate (Vertical lift gate) are 2 of size (2.5 m x 2.6 m)
- De-silting Chamber of length (36 m x 24 m)
- Free Flowing Pipe Type Water Conductor System of 235.75 m
- Fore bay, Intake pool; 3 Nos. of Penstock 175 m long
- Powerhouse of size (47.5 m x 18.4 m x 20.75 m)
- Tail Race Tunnel of length 86.55m with minimum tail water level of 1413.26