

**SALIENT FEATURES**

<b>LOCATION</b>	
State	Uttaranchal
River	Dhauliganga
Location of dam	
Longitude	80° 37' 02" E
Latitude	30° 06' 27" N
Access to the project	
Nearest Rail head	Bareilly
Airport	Delhi
<b>HYDROLOGY</b>	
Catchment area at Dam Site	1063 sq.km
Maximum average discharge at dam site	345.38 cumecs
Minimum average discharge at dam site	10.26 cumecs
<b>DIVERSION DAM</b>	
Type	Concrete gravity dam with radial gates
Full reservoir level (FRL)	2200 m
Minimum draw down level (MDDL)	2195 m
River Bed Level	2160 m
Total length of dam at top	173 m
<b>SPILLWAY</b>	
Type	Gated spillway
Width of spillway block	67.1 m
No. of bays	4 bays
Crest level of spillway	2187.8 m
Spillway gates	4 nos. - 13.4m x 12.2 m
Energy dissipation system	Ski jump type
Design flood	2600 cumecs
<b>SUBMERGENCE</b>	
Villages submerged	Nil
Area submerged – Forest/Barrow	36 Ha
<b>RESERVOIR</b>	
Gross storage	12.67 Mcum
Live storage	8.49 Mcum

<b>INTAKE</b>	
Invert level of intake	2187.8 m
Intake gate size	4.9 m x 4.9 m
Trash rack	Semi Circular 4 m radius
<b>HEAD RACE TUNNEL</b>	
Diameter	4.9 m
Shape	Modified horse shoe
Length	4.15 km
<b>SURGE SHAFT</b>	
Type	Simple with upper and lower expansion gallery
Diameter	16 m
Height	72.2 m
Bottom Elevation	----- m
<b>POWER HOUSE</b>	
Installed Capacity	280 MW
Units	4 x 70 MW
Type of Turbine	Pelton
Design head	408 m
Design discharge per unit	19 cumecs
Annual Design Energy (90% dependable year)	1360.26 GWh
Annual energy in 90% year on 95% machine availability	1350.73 GWh
Centre line of Turbine jet	1762 m
<b>CONSTRUCTION PERIOD</b>	5 years (excluding 30 months of Pre-construction activities)