SJVN LTD.

JAKHOL SANKRI - HYDRO ELECTRIC PROJECT, UTTARKASHI (UK)

TOPOGRAPHICAL SURVEY MAP OF GENERAL LAYOUT PLAN

LEGEND

Sr. NO.	SYMBOL	DESCRIPTION
1.		RIVER
2.		PAVED ROAD
3.		FOOTPATH
4.		BRIDGE
5.		HEADRACE TUNNEL
6.		WILD LIFE SANCTUARY AREA

JAKHOL SANKRI H. E. PROJECT (14 MW)

SALIENT FEATURES

BARRAGE:-

Average River Bed Level at Barrage Axis - EL 1910.00 m
Elevation at top of Barrage - EL 1942.00 m
Length of Barrage at top - 23.00(m)

UNDERGROUND DESILTING TANK :-

Number - Two
Size - L (m) x B (m) x H (m) - 100.00(m (L) x 13.00m (W) x 13.27m (H)

HEAD RACE TUNNEL :-

Shape - Modified Horse Shoe Shaped
Length - 6634.00 (m)
Diameter - 3.0 m (Finished)
Design discharge - 13.24(cm/s)

UNDERGROUND SURGE SHAFT :-

Type - Underground Restricted Orifice
Diameter - 7.0 m
Height - 45.30 m

PRESSURE SHAFT :-

Type - Steel Lined Partly Pressure Shaft & partly Penstock
Number of Pressure Shafts - One
Internal Dia. of Pressure Shaft - 3.0(m)
Length of pressure shaft - 787.34(m)

UNDERGROUND POWER HOUSE :-

Size of power house Cavern - 56.428m (L) x 15.78m (W) x 34.75m (H)