

SALIENT FEATURES OF THE PROJECT

A. DAM

Sl. No.	Description of Work	TEC (1999)	Current (2007)
1.	Type	Concrete Gravity	Concrete Gravity
2	Live Storage	7.32M Cubic meters	7.32M Cubic meters (141.8 X 10 ⁶ M ³)
3	FRL	618.00 meters	618.00 meters
4	MDDL	606.15 meters	606.15 meters
5	Bed Level	563.00 meters	561.00 meters
6	Length:		
	(i) Overflow	103.75 meters	107.50 meters
	(ii) Non-Overflow	187.00 meters	212.10 meters
7	Deepest Foundation Level	561.00 meters	557.00 meters
8	Crest Level	597.00 meters	587.50 meters
9	Maximum Height	59.00 meters	63.00 meters
10	Top of Non-overflow section	620.00 meters	620.00 meters
11	Excavation	1.43 Lakh M ³	6.73 Lakh M ³
12	Concreting	2.04 Lakh M ³	3.33 Lakh M ³
13	Spillway Capacity	12000 Cumecs	10,440 Cumecs
14	Gates (Sluices)	5 (five) Nos	7 (seven) Nos.
15	Gate Size	16.75 meters x 17.00 meters	8.00 meters x 12.55 meters

B. HRT Intake :

Sl. No.	Description of Work	TEC (1999)	Current (2007)
1	Type	Semi-circular with trash rack.	Semi-circular with trash rack.
2	Control	Fixed wheel gate operated through shaft.	Fixed wheel gate operated through shaft.
3	Inlet elevation	601.41 meters	599.55 meters

C. LOW PRESSURE Tunnel :

Sl. No.	Description of Work	TEC (1999)	Current (2007)
1	Type	Circular	Circular
2	Length	3667.00 meters	3313.46 meters
3	Diameter	3.40 meters	3.40 meters (Modified Horse shoe)
4	Design Discharge	30.094 cumecs	30.094 cumecs
5	Velocity	3.21 meters /Second	3.21 meters /Second

D. SURGE TANK:

Sl. No.	Description of Work	TEC (1999)	Current (2007)
1	Type	Restricted Orifice	Restricted Orifice
2	Height	63.50 meters	85.00 meters
3	Diameter	8.00 meters	8.80 meters

E. HIGH PRESSURE TUNNEL: _

Sl. No.	Description of Work	TEC (1999)	Current (2007)
1	No.	1 (one)	1 (one)
2	Type	Circular, steel lined	Circular, steel lined
3	Diameter of Pipe	2.60 meters' diameter	2.80 meters' diameter
4	Length	245.00 meters	314.00 meters

F. PENSTOCK :

Sl. No.	Description of Work	TEC (1999)	Current (2007)
1	Number	1 (one)	Two Nos from Butterfly Valve to power house
2	Diameter	2.60 meters	2.00 meters
3	Length	825.00 meters	731.25 meters

G. POWER HOUSE:

Sl. No.	Description of Work	TEC (1999)	Current (2007)
1	Type	Overground	Surface Power House
2	Size	34.40 x 21.80	54.70 X25.50 meters
3	Gross head	334.00 meters	334.00 meters
4	Average Net Head	316.16 meters	316.16 meters
5	Type of Turbine	Francis-V Shaft	Francis-V Shaft
6	Rotational Speed	750 rpm	500/600RPM
7	C.L.of distributor level	276.20 meters	282.00
8	Generator Floor Level	285.00 meters	289.50 meters
9	Maximum T.W.L.	284.30 meters	295.29 meters
10	Normal T.W.L.	284.00 meters	288.18
11	Minimum T.W.L.	281.40 meters	286.78 meters