

Details of Major Projects of Water Resources Department

S. No	Item	Remarks
1.	Name of Project	:- Parbati Irrigation Project Angai, (Dholpur)
2.	Purpose of project water Supply power/multipurpose/Irrigation	:- Irrigation & water supply
3.	Name of dam	:- Parbati Dam (Lt- 26° 32' 00", LO- 77° 27' 30")
4.	Year of completion	:- 1962-63
5.	First filling (year/levels)	:- 1962-63
6.	Benefits accrued	:-
	(a) Irrigation (I.A)	:- 12334 Hactares
	(b) water supply	:- 200 Mcf/year for PHED for water supply
	(c) Power	:-
	(d) Other benefits	:- Drinking purposes for cattle
7.	Important controlling levels (In metres)	:-
	(a) Top of dam	:- Earthen Dam 226.70 m N.O.F. 226.00 m
	(b) Maximum water level	:- 226.00 m
	(c) Full reservoir level	:- 223.415 m
	(d) Sill level of Canal sluices :-	212.60 m
	(e) Sill level of scouring sluices :-	200.80 m
	(f) Spillway crest level	:- 18 Nos gates 219.115 m
		:- 4 Nos gates 216.115 m
		:- 11 Nos gates 220.68 m
		:- 212.60
	(g) Minium draw down level	:- 212.60
	(h) Lowest river bed level	:- 198.76 m
	(i) Deepest foundation level	:-
8.	Important salient features	:-
	(a) Dead storage capacity	:- 12.51 Cum
	(b) Area of foreshore at F.L.R	:- 23.04 Sqm
	(c) Design flood adopted (PMF/SPF/any other) Give relevant Magnitude	:- Original 17620 Cumecs
		:- Revised PMF 7150 Cumecs
	(d) Design spillway discharge capacity and type of spillway	:- Gated & ungated total discharging
	(e) Type, number and size of spill way gates	:- Capacity at MWL 6173.83 Cumecs
		:- Vertical sliding gates
		:- (a) 18 Nos size 10 mx 4 m
		:- (b) 4 Nos. size 10 m x 7 m
		:- (c) 11 Nos. size 2.745 mx 3.05 m
		:- O.F. Length 645.85 M
	(f) Location, sill level and capacity of low level out lets and Scouring sluices	:- Ch. 180 RL 200.86 M-46.7 Cumecs
	(g) Height of the dam in meters	:-
	(i) Above deepest foundation	:- 27.24 m
	(ii) Above lowest river bed	:- 26.34 m
	(h) Gross storage capacity in :- million cubic meters	:-
	(i) At FRL	:- 115.167 M Cum
	(ii) At MWL	:- 147.210 M Cum
	(iii) Length of the dam (at crest) in meters	:- Earthen dam 5318.76 m
		:- Masonary dam 2667.00 m
		:- Crest 220.00 m