

Details of Major Projects of Water Resources Department

Sl.No.	Item	Remarks
[1]	[2]	[3]
1.	Name of Project	Chambal Valley Project
2.	Purpose of Project	Power and Irrigation
3.	Name of Dam	Rana Pratap Sagar Dam (Lt - 24° 55' 30" Lo - 75° 34' 20")
4.	Year of completion	1970
5.	First filling (Years/Levels)	Filling commenced in the year 1967 - 1117.40 ft.
6.	Benefits accrued	Nil (Direct) Local & Ramganj Mandi Installed capacity 4x43 MW (172 MW) water to RAPP
a) Irrigation b) Water Supply c) Power d) Other benefits		
7.	Important controlling levels (In metres)	
a)	Top of dam	357.32 M (1172.00 Ft.)
b)	Maximum water level	354.27 M (1162.00 Ft.)
c)	Full reservoir level	352.90 (1157.50 Ft.)
d)	Sill level of irrigation sluices	No Irrigation sluices
e)	Sill level of scouring sluices	319.21 M (1047.00 Ft.)
f)	Spillway crest levels	344.36 M (1129.50 Ft.)
g)	Minimum draw down level	342.99 M (1125.00 Ft.)
h)	Lowest riverbed level	317.07 M (1040.00 Ft.)
i)	Deepest foundation level	303.37 M (995.00 Ft.)
note : 3.28 ft=1 meter		
8.	Important Salient Features	
a)	Dead Storage Capacity	1332.16 M.Cum (47044.80 M.CR.)
b)	Area of foreshore at F.R.L.	198.26 Sq. Km. (76.5482 Sq. Miles)
c)	Design flood adopted (PME/SPP/any other) given relevant magnitude	18400 Cumecs. (6.50 Lac Cusecs)
d)	Design spillway discharge capacity and type of spillway.	Ogee type crest with ski-jump bucket. Design discharge capacity is 6.5 lac cusecs.
e)	Type, number and size of spillway gates	: 17 Nos. of roller mounted vertical lift gates of size 18.30 M x 8.54 (60' x 28')
f)	Location, sill level and capacity of low level: Outlets and scouring sluices.	Located in Block No.31, at level 1047' (319.21 M), Maximum discharging capacity at 1158.00 ft. is 4x5900=23600 cusecs

g)	Height of the dam in meters	:	
	i) above deepest foundation	:	53.95 M
	ii) above lowest riverbed	:	40.25 M
h)	Gross storage capacity in million cubic meters :		
	i) at F.R.L.	:	2898.69 M. Cum
	ii) at M.W.L.	:	3170.31 M. Cum
i)	Length of the dam (at crest) in meters.	:	1143 M