

Details of Major Projects of Water Resources Department

S.No.	Items	Remarks
1.	Name of project	Mahi Bajaj Sagar Project, Banswara
2.	Purpose of project	Multipurpose.
3.	Name of Dam	Mahi Bajaj Sagar Dam (Lt-23°37'09" Lo-74°35'0")
4.	Year of completion	1983-84.
5.	First filling	6th Oct. 1984.
6.	Benefit accords	Generation of electric power and irrigation of District Banswara
7.	Important Controlling Levels	
a)	Top of Dam	EL 284.50 M.
b)	M.W.L.	EL 281.50 M.
c)	F.R.L.	EL 281.50 M
d)	Sill level of Irrigation sluice	This pertains to Kagdi Pick up weir, Banswara
e)	Sill level of scouring sluice.	EL 243.50 M.
f)	Spillway crest level.	EL 268.50 M
g)	M.D.D.L.	EL 259.00 M
h)	Lowest river bed level.	EL 220.00 M
i)	Deepest foundation level.	EL 210.00 M
8.	Important salient features	
a)	Dead storage capacity	12.25 T.M.C.
b)	Area of foreshore at F.R.L.	142.90 sq.km. (Rajasthan 135.04 sq.km., M.P. 7.86 sq.km.)
c)	Design flood adopted	Routed flood discharge 8.22 lac cusecs, peak flood discharge 9.04 lac cusecs.
d)	Design spillway discharge capacity	8.22 lac cusecs
	Type of spilway.	OGEE Shape spillway
e)	Type, number & size of spillway gates.	Radial gates, 16 Nos. of size 15 x 13 M.
f)	Location, level & capacity of low level outlets and scouring sluices.	(i) Bhungra canal outlet RD 2387.75 M EL 257.15 M, capacity 3.197 cumecs. (ii) 2 Nos. of sluices size 2x3M, EL 243.50 M 3180 cusecs at Reservoir level 268.50 M.
g)	Height of Dam in meters.	
	(i) Above deepest foundation	74.50 M.
	(ii) Above lowest river bed.	60.00 M.
h)	Gross storage capacity in M.C.M.	
	(i) at M.W.L./F.R.L.	2180.376 M.C.M. (77.00 T.M.C., EL 281.50M)
i)	Length of the Dam of Crest in metres.	16 X 15 M = 240 M (Crest Length)