

Details of Major Projects of Water Resources Department

S.No	Item		Remarks
1	Name of Project :		Jaisamand Irrigation Project
2	Prupose of Project : Water Supply/Power Multi Purpose /Irrigation/Industrial		Irrigation and Water Supply
3	(a)	Name of Dam	Jaisamand
	(b)	Loction :	
		Latitude	24° 14' 30" N
		Longitude	73° 57' 10" E
	©	Type of dam Earthen / Gravity /Masonry / Rock fill	Composite section consisting of two massive masonry D/S face with eatrh filling in between.
	(d)	Name of River	Gomti
(e)	Nearest City	Udaipur	
4	Year of Completion (Dam)		1711-30 (State time Tank)
5	First filling (Year / Level)		NA
6	Benefited accrued		
	(a)	Irrigation	16000 Ha. (CCA)
	(b)	Water supply	(i) To Udaipur City by pumping through PHED Department (ii) To Salumber town in villages of Sarada Tehsil by pumping by PHED Department.
	©	Power	-
(d)	Other benefit	Tourism & Fishing	
7	Important Controlling Levels (in meters)		
	(a)	Top of Dam	301.10 m
	(b)	Maximum water level	299.60 m
	(c)	Full reservoir level	295.47 m
	(d)	Sill level of irrigation sluices	LMC 287.16 m. RMC 289.83 m
	(e)	Sill level of scouring sluices	No scouring sluice
	(f)	Spilway crest level	295.47 m
	(g)	Minimum drawdown level	287.70 m
	(h)	Lowest river bed level	266.20 m
	(i)	Deepest foundation level	NA

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8	Important Salient features	
(a)	Dead storage capacity (M.cum)	118.46
(b)	Area of foreshore at F.R.L. (Ha.)	5260
(c)	Design flood adopted (PMF/SPF/Any other) given relevant magnitude (Cumecs)	18876
(d)	Design spillway discharge capacity and type of spillway (cumecs)	(i) 2 No. gates of size 3.05 m x 5.50 m sill level of gate - 289.97 m. (ii) waste weir No. 1 30.50 m (iii) waste weir No. 2 90.00 m (iv) waste weir No. 3 20.00 m ----- 140.50 m
(e)	Type number and size of spillway gates	(i) Flood gates, vertical gear and weight system. (ii) 2 No. (iii) each 3.05 m. x 5.50 m.
(f)	Location sill level and capacity of low level outlets and scouring sluices.	(A) Low level outlet (i) LMC sluice 4 Km. away from main Dam, near village Namla & RMC on R/S of main dam. (ii) Sill level LMC -287.16 m. (5.01 cumecs), RMC- 289.83 (0.78 cumecs), flood gates - 289.97 m. (iii) Discharge capacity of flood gate -248 cumecs (when fully open) (B) Scouring sluice - No scouring sluices.
Sill Level Capacity		
LMC	118.46 mcum	
RMC	184.18 mcum	
(g)	Height of dam in meters	
(i)	Above deepest foundation (in M)	NA
(ii)	Above lowest river bed (in M.)	34.90 m
(h)	Gross storage capacity in million cubic meters.	
(i)	At F.R.L.	414.6
(ii)	At M.W.L.	676.32
(iii)	Length of the dam (at crest) in meters	
(a)	Overflow	140.5
(b)	Non-Overflow	335.4
(c)	Saddle	140.5