

Details of Major Projects of Water Resources Department

S.No	Item	Remarks
1	Name of Project	Jakham Irrigation Project.
2	Purpose of Project : Water Supply /Power/ Multi/ Purpose/Irrigation/Industrial	Irrigation
3	(a) Name of Dam :	Jakham Irrigation Project.
	(b) Location : Latitude	24°-10'-30" N
	Longitude	74°-35'-30" E
	(c) Type of Dam :	Masonry Dam
	(d) Name of River :	Jakham River
	(e) Nearest City :-	Pratapgarh
4	Year of Completion (Dam)	March.-2000
5	First filling (Year/Level)	1986/EL. 358.10 mt.
6	Benefited accrued	
	(a) Irrigation	23505 ha. ICA (designed)
	(b) Water Supply	81.00 mcft (Reserved for pratagarh town & other Village and utilized by PHED)
	(c) Power	NIL
	(d) Other benefit	NIL
7	Important Controlling Levels (in meters)	
	(a) Top of Dam	374.00 mt.
	(b) Maximum water level	371.65 mt
	(c) Full resevoir level	359.50 mt
	(d) Sill Level of Irrigation Sluices	328.50 mt
	(e) Sill Level of Scouring Sluices	No scouring sluice provided
	(f) Spillway crest level	359.50 m
	(g) Minimum drawdown level	332.00 m
	(h) Lowest river bed level	305.00 m
	(i) Deepest foundation level	82 m
8	Important Salient Features	
	(a) Dead storage capacity (M.cum)	9.74 m.cum (344 MCFT)
	(b) Area of foreshore at F.R.L. (Ha)	1014.74 Ha.
	(c) Desihned flood adopted (PMF/SPF/Any other) given relevant magnitude (Cumeecs)	11944.00 cumeecs (421730.00 cumeecs)
	(d) Design spillway discharge capacity and type of spillway (Cumeecs)	10584.00 cumeecs (Main Dam) + 1360.00 cumeecs Auxiliary spillway = 11944.00 cumeecs ogee shaped spillway
	(e) Type number and size of spillway gates.	No gate Provided
	(f) Location, sill level and capacity of low level outlets and scouring sluices.	Sill Level Capacity LMC RMC
	(g) Height of dam in meters	
	(i) Above dcepest foundation (in M.)	82.00 M
	(ii) Above lowest river bed (in M.)	69.00 M
	(h) Gross storage capacity in million cubic meters.	
	(i) At. F.R.L.	142.02 Mcum (5015 Mcft)
	(ii) At. M.W.L.	-
	(iii) Length of the dam (at crest) in meters	-

	(a) Overflow	90.00 M
	(b) Non-Overflow	163.00 (75.00 + 88.00)
	(c) Saddle	2 No. - 507.00 m