

Details of Major Projects of Water Resources Department

S. No.	Item	Remarks
1.	Name of Project	Som Kamla Amba Irrigation Project
2.	Purpose of Project	Irrigation/Drinking Water
3.	a) Name of Dam	Som Kamla Amba
	b) Location	
	Latitude	23 ^o -58'-0" N
	Longitude	74 ^o -02'-0" E
4.	Year of completion	March 2000
5.	First filling (year /level)	1992 EL. 202.0 M. Partially 1995 EL. 206.0 M.
6.	Benefit accrued	
	a) Irrigation	17724 Ha CCA In the year 2015-16 Irrigation to the time of 8862 hect. Proposed
7.	Important controlling levels	
	a) Top of dam	217.50 M
	b) Maximum water level	215.50 M.
	c) Full reservoir level	213.50 M.
	d) Sill level of irrigation sluice	(1) LMC & RMC 200.50 M. (2) BBC & Bhabarana canal 205.00 M.
	e) Sill level of scoring sluices	190.75 M.
	f) Spillway crest level	201.25 M.
	g) Minimum draw down level	200.50 M.
	h) Lowest river bed level	190.50 M.
	i) Deepest foundation level	
	Over flow	183.00 M.
	Non over flow	183.00 M.

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8.	Important salient features	
	a) Dead storage capacity	12.50 Mcum (441 Mcft)
	b) Area of foreshore at FRL	3618 Hact
	c) Design flood adopted (PMF/SPF/ any other) give relevant magnitude	20500 cumecs
	d) Design spillway discharge capacity and type of spillway	20045 Cumecs Ogee shap spillway
	e) Type, number and size of spillway gates	Redial gates, 13 Nos. size 15mX12.85M
	f) Location, sill level and capacity of low level outlets and scouring sluices	LMC & RMC EL 200.50 m. BBC & Bhabarana canal EL 205.00 M. Scoring sluices 190.75 M. discharge capacity 1000 cusecs
	g) Height of the dam in meters -	
	i) Above deepest foundation	34.50 M.
	ii) Above lowest river bed	27.00 M.
	h) Gross storage capacity in million cubic meters -	
	i) At FRL	172.8 Mcum (6102 mcft)
	ii) At MWL	218.628 Mcum (7715 mcft)
	iii) Length of the dam (at crest) in meters .	
	Over Flow .	244.00 M.
	Non-Over flow	146.00 M. {51.00(R)+95.00(L)}
	Saddle	4 Nos. 2795.00 M. (548+430+290+ 1527)