

Details of Major Projects of Water Resources Department

S No	Item	Remarks
1	Name of Project	: Chambal Project
2	Purpose of project : Water Supply/Power/ Multipurpose/irrigation	: Multipurpose
A	Name of Dam	: Kota Barrage
3	Location:	
A	Latitude	25°-10' N
B	Longitude	75°-50' E
C	Type of Dam: Earthen/Gravity/Masonry/Rockfill	Rockfill
D	Name of River	Chambal
E	Nearest City	Kota
4	Year of Completion	: 1960
5	First filling (years / level)	: 1960
6	Benefit accrued:	
a.	Irrigation	: 5.6 Lakh Hectares.
b.	Water Supply	: 250 Lakh Gallon / day
c.	Power	: Not applicable.
d.	Other benefit	: Water supply to industries & Thermal Power Plant, Kota
7	Important controlling level (in metres):	
a.	Top of dam	: 262.90 M
b.	Maximum water level	: 260.90 M
c.	Full reservoir level	: 260.30 M
d.	Sill level of irrigation sluices	: 254.80 M (R.M.C.) / 256.03 (L.M.C.)
e.	Sill level of scouring sluices	: 235.36 M
f.	Spillway crest level	: 247.50 M
g.	Minimum drawdown level	: 254.80 M
h.	Lowest river bed level	: 227.38 M
i.	Deepest foundation level	: 225.55 M
8	Important Salient features:	
a.	Dead storage capacity	: 42.23 M.Cum.
b.	Area of foreshore of F.R.L.	: 5.82 Sq.Km.
c.	Design flood adopted (PMF/SPF/Any other) give relevant magnitude.	:
d.	Design spillway discharge capacity and type of spillway.	: 21237 cumecs (Ogee)
e.	Type, Number and size of spillway gates.	: Radial Gates 19 Nos. of size 12.20x12.80 Mt.

f. Location, sill level & capacity of low level outlets and scaming sluices : Location- Body of spillway, sill level- 235.36 Mt., capacity 123 cumecs, size 2.70x3.30 Mt.

g. Height of the dam in meters :

i. Above deepest foundation (in m) : 37.35 Mt.

ii. Above lowest river bed (in m) : 35.50 Mt.

b. Gross storage capacity in million cubic metres :

i. At F.R.L. : 112.06 Million Cum

ii. At M.W.L. : 116.44 Million Cum

iii. Length of the dam (at crest) in meters : 551.68 Metres.

(a) Overflow : 304.80 Metres.

(b) Non Overflow : 246.88 Metres.

(c) Saddle : Nil