

Details of Major Projects of Water Resources Department

| Sl.No. | Item | Remarks |
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| [1] | [2] | [3] |
| 1. | Name of Project | Chambal Valley Project |
| 2. | Purpose of Project | Power and Irrigation |
| 3. | Name of Dam | Rana Pratap Sagar Dam (Lt - 24° 55' 30" Lo - 75° 34' 20") |
| 4. | Year of completion | 1970 |
| 5. | First filling (Years/Levels) | Filling commenced in the year 1967 - 1117.40 ft. |
| 6. | Benefits accrued | Nil (Direct) Local & Ramganj Mandi Installed capacity 4x43 MW (172 MW) water to RAPP |
| | | a) Irrigation b) Water Supply c) Power d) Other benefits |
| 7. | Important controlling levels (In metres) | |
| a) | Top of dam | 357.32 M (1172.00 Ft.) |
| b) | Maximum water level | 354.27 M (1162.00 Ft.) |
| c) | Full reservoir level | 352.90 (1157.50 Ft.) |
| d) | Sill level of irrigation sluices | No Irrigation sluices |
| e) | Sill level of scouring sluices | 319.21 M (1047.00 Ft.) |
| f) | Spillway crest levels | 344.36 M (1129.50 Ft.) |
| g) | Minimum draw down level | 342.99 M (1125.00 Ft.) |
| h) | Lowest riverbed level | 317.07 M (1040.00 Ft.) |
| i) | Deepest foundation level | 303.37 M (995.00 Ft.) |
| | | note : 3.28 ft=1 meter |
| 8. | Important Salient Features | |
| a) | Dead Storage Capacity | 1332.16 M.Cum (47044.80 M.CR.) |
| b) | Area of foreshore at F.R.L. | 198.26 Sq. Km. (76.5482 Sq. Miles) |
| c) | Design flood adopted (PME/SPP/any other) given relevant magnitude | 18400 Cumecs. (6.50 Lac Cusecs) |
| d) | Design spillway discharge capacity and type of spillway. | Ogee type crest with ski-jump bucket. Design discharge capacity is 6.5 lac cusecs. |
| e) | Type, number and size of spillway gates | : 17 Nos. of roller mounted vertical lift gates of size 18.30 M x 8.54 (60' x 28') |
| f) | Location, sill level and capacity of low level: Outlets and scouring sluices. | Located in Block No.31, at level 1047' (319.21 M), Maximum discharging capacity at 1158.00 ft. is 4x5900=23600 cusecs |

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| g) | Height of the dam in meters | : | |
| | i) above deepest foundation | : | 53.95 M |
| | ii) above lowest riverbed | : | 40.25 M |
| h) | Gross storage capacity in million cubic meters : | | |
| | i) at F.R.L. | : | 2898.69 M. Cum |
| | ii) at M.W.L. | : | 3170.31 M. Cum |
| i) | Length of the dam (at crest) in meters. | : | 1143 M |