

## Details of Major Projects of Water Resources Department

| S.N  | Item   | Remarks                                  |
|------|--|--|
| 1    | Name of Project  | <b>Jawai Irrigation Project</b>          |
| 2    | Purpose of project:- Water supply/Power/Multi purpose/Irrigation/Industrial                      | Water supply Irrigation                  |
| 3    | (a) Name of dam  | Jawai dam                                |
|      | (b) Location : Longitude   | 73°-9'-40"                               |
|      | Latitude   | 25°-6'-40"                               |
|      | (c) Type of dam:-<br>Earthen/Gravity/Mason/Rockfill  | Masonry/Earthen                          |
|      | (d) Name of River  | Jawai river                              |
|      | (e) Nearest City   | Sumerpur                                 |
| 4    | Year of completion (Dam)   | 1956-57                                  |
| 5    | First Filling (year/level)   | 1950                                     |
| 6    | Benefit Accrued  |  |
|      | (a) Irrigation   | Irrigation                               |
|      | (b) Water supply   | Water supply to Pali city & 531 villager |
|      | (c) Power  | -  |
|      | (d) Other Benefit  | -  |
| 7    | Important controlling levels (In Meters)   |  |
|      | (a) Top of dam   | 1035                                     |
|      | (b) Maximum Water level  | 1028.25                                  |
|      | (c) Full reservoir level   | 1028.25                                  |
|      | (d) Sill level of irrigation sluices   | 967                                      |
|      | (e) Sill level of scoring sluices  | Not provided                             |
|      | (f) Spillway crest level   | 1012                                     |
|      | (g) Minimum draw down level  | 967                                      |
|      | (h) Lowest river bed level   | 913.00                                   |
|      | (i) Deepest foundation level   | 866                                      |
| 8    | Important salient features   |  |
|      | (a) Ded Storage Capacity (M.Cum)   | 495.50                                   |
|      | (b) Area of forshore at F.R.L. (Ha.)   | 2800 ha.                                 |
|      | (c) Design flood adopted (PMF/SPF/Any other) given relevent magnitude (Currency)                 | 150000 Cusecs                            |
|      | (d) Design flood adopted (PMF/SPF/Any other) given relevent magnitude (Currency)                 | 150000 Cusecs (gated)                    |
|      | (e) Type number & size of spillway gates   | Vertical, 13, 50 X 16.25 Ft.             |
|      | (f) Location sill level and capacity low levell outlets and scouring sluices and scoring sluices | 967                                      |
|      | (g) Height of the dam in mtrs.   |  |
|      | i) Above deepest foundation (in m)   | 166 Ft.                                  |
|      | ii) above storage capacity in million cubic  | 114 Ft.                                  |
|      | At F.R.L.  | 207.519 Mcum                             |
|      | At M.W.L.  | 207.519 Mcum                             |
| iii) | Length of dam (at crest) in meter  |  |
|      | a) Overflow  | 754 Ft.                                  |
|      | b) Non Overflow  | 3030 Ft.                                 |
|      | c) Saddle  |  |