

Details of Major Projects of Water Resources Department

| S. NO. (1) | Item (2) | Remarks (3) |
|---------------|---|--|
| | KALAKH IRRIGATION PROJECT | |
| | Name of Project | |
| | Purpose of Project : Water Supply/Power/Multipurpose/Irrigation. | |
| | Name of Dam KALAKH SAGAR (Lt. 26° 55' 00" Lo. 75° 27' 00") | |
| | Year of Completion 1883 | |
| | First filling (Years/Levels) 1981 - 25' | |
| | Benefits accrued : a) Irrigation b) Water supply c) Power d) Other benefits. | |
| | <u>Important Controlling Levels</u> (in metres) | |
| | | M.K.S. F.P.S. |
| a) | Top of dam | 42.66m 138' 0" |
| b) | Maximum water level | 39.92m 131' 0" |
| c) | Full reservoir level | 38.40m 126' 0" |
| d) | Sill level of Irrigation sluices | 30.48m 100' 0" |
| e) | Sill level of scouring sluices | No Scouring sluice is provided |
| f) | Spillway crest level | 39.01m 128' 0" |
| g) | Minimum drawdown level | 30.48m |
| h) | Lowest river bed level | 27.50m |
| i) | Deepest Foundation level | 21.21m |
| | <u>Important Salient Features</u> | |
| a) | Dead Storage Capacity | NIL |
| b) | Area of foreshore at F.R.L. | N.A. |
| c) | Design flood adopted (PMF/SPF/Any other) Give relevant magnitude | 1215.86 Cusecs |
| d) | Design spillway discharge capacity and type of spillway. | Broad Crested Type Spillway |
| e) | Type, number and size of spillway gates. | ungated |
| f) | Location, sill level and capacity of low level outlets and scouring sluices. | No low level outlet and scouring sluice is provided |

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- g) Height of the dam in metres
 - i) above deepest foundation.
 - ii) above lowest river bed.

18.85 m

14.56 m

- h) Gross storage capacity in million cubic metres.

- i) At F.R.L.

16.54 M cum. 584 Mcft

- ii) At M.W.L.

- i) Length of the dam (at crest) in metres.