

**HINJILI IRRIGATION PROJECT**  
**SALIENT FEATURES**

**1. LOCATION.**

(a) Dam.	Near Village Kaunsipal of Deogarh Sub-Division in the District of Deogarh.
(b) Latitude.	21° 12' 28" N
(c) Longitude.	84° 53' 03" E
(d) Toposheet ref.	73 C/15, 73 C/16

**2. HYDROLOGY.**

(a) Catchment Area.	155.00 Sq km.
(b) Maximum monsoon Rainfall.	2296.2 mm.
(c) Minimum monsoon rainfall.	829.2 mm.
(d) 75% dependable yield.	11383.15 Ham.
(e) Average Rainfall.	1652.4 mm.
(f) Design Flood Discharge.	1197 Cumecs.
(g) Deepest bed level.	119.70 m.

**3. RESERVOIR.**

(a) Gross storage capacity.	3522.28 Ham.
(b) Live storage capacity.	2634.46 Ha.
(c) Dead storage capacity.	887.82 Ham.
(d) D.S.L. of Dam.	134.00m.
(e) F.R.L. of Dam.	140.00 m.
(f) T.B.L. of Dam.	143.00 m.
(g) Submergence area at F.R.L.	693.57 Ha.
(h) Villages to be submerged.	9 Nos. 4 Nos. (fully) Kalipathar, Dallak, Tulasipur and Karalaga. 5 Nos. (partly) hipur, Chhallak, Ghuntulipasi, Tamakiakhhol and Jharapasi.
(i) Length of N.H. Submerged.	4.5 Km.
(j) Forest area to be submerged.	263.14 Ha.

**4. DAM.**

(a) Type of Dam.	Masonry Dam.
(b) Length of Dam.	243.00 m.
(c) Maximum height.	22.38 m.
(d) Top width.	6.00 m.

**5. SPILLWAY.**

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|------------------------|--------------------------------|
| (a) Type.              | Ogee crested central spillway. |
| (b) Total Length.      | 47.5 m.                        |
| (c) Clear length.      | 40 m.                          |
| (d) Spillway capacity. | 1197.00 Cumecs.                |

**6. DISTRIBUTION SYSTEM.**

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|-------------------------------------|---------------------------------------|
| (a) G.C.A.                          | 6000 Ha.                              |
| (b) C.C.A.                          | 4800 Ha.                              |
| (c) Percentage of C.C.A. to G.C.A.  | 80.                                   |
| (d) Intensity of Khariff.           | 95%                                   |
| (e) Intensity of Rabi.              | 50%                                   |
| (f) Intensity of annual Irrigation. | 145%                                  |
| (g) Length of Main Canal.           | 25 Km. (LMC 15.70 Km. & RMC 9.30 Km.) |