SALIENT FEATURES

INDRA SAGAR PROJECT

Location

<table>
<thead>
<tr>
<th>State</th>
<th>medhya Pradesh</th>
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<tbody>
<tr>
<td>District</td>
<td>Dam – khandwa</td>
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<tr>
<td></td>
<td>command –khandwa and khargon.</td>
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<tr>
<td>Longtitude</td>
<td>22-7’-0” N To Posheet No. 55 N\7</td>
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<tr>
<td>Longi tube</td>
<td>76-28’-0”</td>
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<tr>
<td>River</td>
<td>Narmada</td>
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<tr>
<td>Location</td>
<td>10 km. n_e of village punasa.</td>
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Hydrology:

- Catchent aren upto dam site: 61624 km
- Maximum annual rainfall 1944 (Mortekka): 1,851 mm.
- Minimum annual rainfall (Mor take): 604 mm.
- Average annual rainfall (1891_1967)(Mortakka): 1,282.7 mm.
- Design flood (Peak): 80,816 m/Sec.
- Actual observed maximum Flood at mortakke: 59,350 m/sec.
- Available run off at narmada Sagar (1891_1967) from Computed series at 75% Dependability: 27.64 mm
**Reservoir Date:**

- Maximum water level: 263.35m
- Full Reservoir Level: 262.13 m.
- Dead Storage Level: 243.23 m.
- Water spread at FRL: 90.871 ha.
- Gross storage at FRL: 12.22mm
- Dead storage: 2.47mm
- Live storage: 9.75mm

**Dam:**

(a) **Overflor dam:**
- Top of dam: 266.40 m.
- Leagth of spillway: 425 m.
- 17 bloc of: 25m. each
- No. and size of Crest Gates: 17 Nos. 18.29 m.x15.24 m.
- Crest level: 246.90 m.
- No. ans size of under sluices: 15 No. of 3.05 m.x4.57 m.
- Top width of the dam: 7.62 m.

(b) **No. overflow dam:**
- Elevator tower: 25 m.
- End keys on both batnks: 10m. left, 10m. right
- Total: 45 m.

(c) **Power Dam:**
- No. and size of u. its 8.Nos. of: 125 mw each.
- 8 Blocks of: 25m.200m.
- Type of turbine Freasls.
- Power devopment at 100
  - Percnt load factor
  - Initial Phase: 248 mw.
  - Final Phase: 165mw
Total length of m dam

(a) (b) (c) 670m.

Canal System (Irrigation)

annexure 1-1
(Concl.)

Gross commader arer 2.14 lakh ha.
Arer to be irrigated (CCA) 1.23 lakh ha.

Length of canals

Length of flow canal 272 km.
Length of lift canal 89.22 km.
361.22 km.

Estime of cost:

Cost of unit I (Dan and appurtenant works) 171.62
Cost of unit II (main canal and branches) 122.78
Cost of unit III (hydro _electric work) 338.38
Total 622.78

Appartionment of cost

Chargeble to irrigation 169.99
Chargeable to power 452.79
Cost per ha. Of C.C.A 506.3

Benefits:

Annal additional yield Food and other Crops 7 lakh tonaes.
Annual value of additional Produce
Food and other Crops Rs. 33.38 Crore.