

SURUBALIJORE BARRAGE PROJECT

SALIENT FEATURES

1.

- i) State : Odisha.
- ii) District : Sambalpur, Sonepur.
- iii) Sub-Division : Birmaharajpur.
- iv) Village : Tentalakhal.
- v) River : Surubalijore.
- vi) Location : Lat.21⁰-01'-20",
Long.84⁰-11'-50".
- vii) Topo sheets : 73 C/4, 73 C/8.
- viii) Type : Barrage.

2. **Hydrology.**

- i) Catchment area : 480 Sq.km.
- ii) Design Flood : 4340 Cumecs.
- iii) 75% dependable yield : 9935Ham.
- iv) Maximum annual rainfall : 2222mm.
- v) Minimum annual rainfall : 855mm.
- vi) Average annual rainfall : 1352mm.

3. **Principal Levels.**

- i) Pond Level : 122m.
- ii) Crest Level : 116m.
- iii) Average Bed Level : 114.5m.
- iv) Minimum Bed Level : 113.5m.

4. **Submergence details.**

- i) Submergence at M.W.L. : Nil.

5. **Barrage & Afflux bunds.**

(A) Barrage.

- i) Location : Lat.21⁰-01'-20"
Long.84⁰-11'-50"
- ii) Type : Concrete barrage with
sloping glacies.
- iii) Length of Barrage : 244m.

- iv) Number of Bays : 15 nos.
- v) Size of gate : 6mx12m.
- v) Type of gate : Radial.

(B) Afflux bunds.

- i) Location and number : Left and Right.
- ii) Length of Dykes : 2 Km + 2 Km = 4Km.
- iii) Maximum height of Dyke : 2m.
- iv) Top width : 6m.

5. Details of command.

- i) G.C.A. : 10,025 Ha.
- ii) C.C.A. : 7088 Ha.
- Khariff : 4962 Ha.
- Annual Irrigation : 4962 Ha.

6. Canal System.

Main canal	Left	Right
Discharge	3.1cumecs.	5cumecs.
Length	8 Kms.	15 Kms.