

TEESTA BARRAGE PROJECT 1st SUB STAGE OF STAGE-I OF PHASE-I

Cost: Rs 2,988.61 crore
(P.L. June 2008)

C.C.A: 3,42,000 ha.

Annual irrigation: 5,27,000 ha.

1. Introduction:

The River Teesta is a Himalayan river originating in the glacier of Sikkim at an altitude of about 8550 m and flows for 138 km. through a narrow gorge in the hill region. Then it flows through another 171 km. in the plains to meet the river Brahmaputra in the district of Rangpur in Bangladesh.

The Teesta Barrage Project, first sub stage (Phase-I), was approved by Planning Commission vide letter No f.NoII.15(I)(9)/75-I&CAD dated 8th May 1975 for Rs 69.72 crore (PL 1970-71) for CCA of 3.04 lakh ha.

Government of West Bengal submitted the revised estimate for Rs 2979.00 crore (at 2008 P.L) in June 2008 which was examined by Central Water Commission and finalized for Rs. 2988.61 crore at June 2008 Price Level.

2. Approved Project Proposal:

The approved project proposal envisages the following works.

- a. construction of a barrage across river Teesta at Gazoldoba in Jalpaiguri district
- b. Two pick-up barrages, one across the Mahananda river at Fulbari in Jalpaiguri district and other across river Dauk at Chopra in Uttar Dinajpur district.
- c. Construction of five main canals namely:
 - i) Teesta-Mahananda Link Canal for the length of 25.75 km.
 - ii) Mahananda Main Canal for the length of 32.33 km.
 - iii) Dauk Nagar Main Canal for the length of 80.20 km.
 - iv) Nagar Tangon Main Canal for the length of 42.20 km.
 - v) Teesta-Jaldhaka Main Canal for the length of 30.31 km.
- d. Construction of distributaries, minors, sub-minors and water courses covering a length 2400 km (approx.) for sub-stage-1 of stage-I.

3. Physical Progress:

Status of execution of **main components** of the project is given below.

SL.NO.	COMPONENT	STATUS OF WORK
1.	Barrage at Gazoloda	Completed
2.	Pick up barrage across Mahananda and Dauk river.	Completed
3.	Construction of 210 km of main canal	78% of main canal is completed

4.	Construction of distributaries, minors, sub-minors covering a length 2300 km (approx).	Approximately 51% of the distribution system has been completed.
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Status of Execution of **other components** the cost of which are not included in the approved project.

SL.NO.	COMPONENT	STATUS OF WORK
1.	Intake structure for drinking water purpose	An intake at Mahananda Barrage pond has been implemented by State PHE department and is in operation.
2.	Construction of canal hydropower projects.	Three hydropower projects envisaging generation of 67.5 MW (3 x 22.5 MW) at Lichipukhri, Haptiagach & Bholagach at 5.503 Km., 21.275 Km. & 31.241 Km. respectively on canal falls of Mahananda Main Canal, have already been commissioned by State Power Department.

4. Provision for Drinking Water Supply:

Presently about 5.0 M cum. drinking water is supplied annually to Siliguri Municipal Corporation area from the Mahananda Barrage pond by the Public Health Engineering Directorate.

5. Provision for Hydropower Generation:

Under Substage-1 of Stage-1 of phase-1 of the project, three hydropower projects envisaging generation of 67.5 MW (3 x 22.5 MW) at Lichipukhri, Haptiagach & Bholagach at 5.503 Km., 21.275 Km. & 31.241 Km. respectively on canal falls of Mahananda Main Canal, have already been commissioned.

6. Overall financial progress:-

The project was included under AIBP for implementation of a prioritized component in 1996-97 under the funding pattern varied from 1:1 to 1:3 (Central : State). It was included under the funding of National Project in 2010-11.

Total estimated cost:- Rs. 2988.61 Cr

Expenditure incurred prior to AIBP:-	Rs.898.00 Cr
Expenditure under AIBP-Normal:-	Rs. 365.26 Cr
Expenditure under AIBP- National Project:-	Rs. 211.50

Total cumulative expenditure up to March-2016:- Rs. 1465.76 Cr

7. Accrued benefits out of the completed parts:-

- 1,97,020 Hectare of irrigation potential has been created.
- 50.00 Million liter of drinking water is being supplied in each day
- Maximum 1,04,000 Hectare of area has been irrigated annually.
- Around 106 Million unit of hydropower has been generated annually during last five financial years.
- Constructed inspection paths of 226 KM have added a dimension in the communication system in the adjoining areas.