

Brief Summary

The Chintalapudi Lift Irrigation Scheme is proposed at 27.20 km upstream of Sir Aurthur Cotton Barrage at Dowlaiswaram, on Akhanda Godavari right bank near Tadipudi village, of Tallapudi Mandal, West Godavari district of Andhra Pradesh to draw 194.52 cumecs of water from river Godavari. The longitude and latitude of the proposed scheme are as follows:

Longitude: 81⁰39'49" E

Latitude: 17⁰09'2" N

The Chintalapudi Lift Irrigation Scheme proposed by the Water Resources Department of Andhra Pradesh has given thrust to provide drinking water facilities to about 25.94 lacks population in 410 habitations. Besides the scheme provides assured irrigation facilities to 480000 acres in upland area of West Godavari and Krishna districts of Andhra Pradesh.

The scheme is essentially a Lift irrigation scheme where surplus waters are pumped from the River Godavari in 3 lift stages.

- Lift-1 from River Godavari near Tadipudi village
- Lift-2 from leading channel near Kovvurupadu village
- Lift-3 near Rowthugudem village to reservoir across Jalleru stream

The scheme also envisages formation of balancing reservoir to store 20.5 TMC of water by 3rd stage lift near Rowthugudem village West Godavari district.

Salient Features

Features	Particulars
Name of the project	Chinthalapudi Lift Irrigation Scheme
Location	On River Godavari 27.20 km of Akhanda Godavari Right Bank on U/s of S.A.C Barrage, West Godavari, A.P.
Longitude & Latitude	81 ⁰ 39'49" E & 17 ⁰ 09'2" N
Project Cost	4909.80 Crores
Estimate life of the project	100 years
Command area	194253 Ha. (480000 acres)
Drinking water for population	25.94 lakhs
Water Demand	53.50 TMC
Discharge	194.52 cumecs

Canal length	106.30 km
Minimum draw down letter	+14 m
Proposed Reservoir	Proposed across Jalleru stream near Rowthugudem village, Jeelugumilli mandal, West Godavari district, A.P. Capacity – 20.5 TMC Bund length – 5.0 km Saddle bund length – 2.825 km FRL - +144 m
Mandals benefited	33
Villages benefited	410
Power required	396 MW
Sensitive areas other than forest	None within 10 km radius
Total land required	Forest land – 9560 acres Non-forest land – 13123 acres Total – 22683 acres
Nearest Railway station	Kovvur, 20 km
Nearest highway	NH-5, Rajahmundry, 40 km
Nearest Sea port	Kakinada, 90 km
State & National boundaries	None within 10 km radius

Identification of the Project Proponent

The Irrigation Department under Government of Andhra Pradesh is responsible for the development of irrigation schemes. The project details and various components are being carried out under the Chief Engineer, Godavari Delta System, Water Resources Department, Dowalaiswaram, Andhra Pradesh – 533125.

Project Location

The site of the off-take point from where the Godavari waters are proposed to be drawn is situated at Tadipudi village, Tallapudi mandal located on the right side of river Godavari on the road connecting Vijjeswaram to Polavaram (at 27.20 km) in West Godavari District, Andhra Pradesh. Kovvur is the nearest Railway Station on Chennai – Kolkata railway line at a distance of 20 km. Another nearest big railway station, Rajahmundry is situated on the other side of river Godavari in East Godavari district. The longitude and latitude of the proposed scheme are as follows:

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Chintalapudi Lift Irrigation Scheme, A.P.

The scheme is a major irrigation one benefiting an ayacut of 1, 94, 253 Ha (4, 80, 000 Acres). The ayacut of the entire scheme will be covered in upland area (+40 to +120 m) and present proposal is to derive early benefits. The source of pumping to feed the ayacut is from the river Godavari and as an alternative surplus waters spilling over the Sir Aurthur Cotton Barrage are proposed to be utilized. Thus the Hydrological studies are confined to assess the availability of surplus waters and elevation from which these waters can be tapped. The pond levels on the river Godavari over years and the surplus waters passing across the barrage over the years are also maintained by the irrigation circle, Dowlaiswaram. This data is processed to establish the feasibility and success of the scheme.

The demand of Chinthalapudi LI scheme is 53.50 TMC, while the surplus waters of the river are plenty.

No Pumping will be permitted upstream of Sir Arthur Cotton Barrage from December till the month of May to protect the interests of the ayacut of Godavari Delta. Therefore, lifting the water is proposed in between June to November (in 90 Flood Days)