

SALIENT FEATURES

1	Name of the project	Polavaram-Vijayawada link
2	Purpose	Diversion of surplus waters of Godavari river (Polavaram) to Krishna river (Prakasam barrage to irrigate part command of Krishna delta to stabilise existing irrigation in water short Krishna basin, for enroute irrigation of upland areas of Lower Godavari and Kolleru basins.
3	Location of the head works	Polavaram dam
	State	Andhra Pradesh
	District	East and West Godavari
	Gross catchment area upto Polavaram	306643 km ²
4	Dam details:	
	Length	2160 m
	Top width	12.5 m
	Type of dam	Earth-cum-rock fill dam
5	Storage particulars:	
	Dead storage level	41.15 m
	Full reservoir level	45.72 m
	Gross storage	5511 Mm ³
	Dead storage	3381 Mm ³
	Submergence area	63691 ha
6	Spill way:	
	Length	754 m
	No.of vents	37
	Type of gates	Radial
	Size of gates	16m X 16m
	Capacity of Spill way	1.02 lakh cumecs
	Crest level	24.5 m
7	Main canal/Link canal	
	Length	174.0 km
	FSL at head	40.232 m
	FSL at tail	27.965 m
	Bed width	68.5 m
	Slope	1 in 20000
	Side slope	1.5 : 1(H : V)
	Capacity at head	405.12 cumec
	Capacity at tail	279.53 cumec
	Velocity at head	1.050 m/sec
	Velocity at tail	0.922 m/sec
	FSD at head	4.90 m
	FSD at tail	3.95 m
8	Irrigation under link canal:	
	GCA	162691 ha
	CCA	139740 ha
	Intensity of irrigation	150%
	Annual irrigation	209610 ha
9	Cost of the project	Rs.148391 lakh

10	Annual benefits	Rs.20110 lakh
11	B.C. Ratio	1.22
12	Internal Rate of Return	8.63%