

**GOLLAVAGU RESERVOIR PROJECT****SALIENT FEATURES****Location**

1.	Name of the project	:	Gollavagu
2.	Location	:	Bheemaram (V), Jaipur (M), Adilabad (Distt), Andhra Pradesh
3.	Longitude	:	79° – 41' – 34"
4.	Latitude	:	18° – 52' – 32"
The proposed site is located about 4 km towards north of Bheemaram village and 1 km south of Pothampally village. The nearest railway station is Mancherial which is about 29 km from the project site. The project is aimed to irrigate 9,500 acre.			

**Hydrology**

1.	Catchment area of the reservoir site	:	111.00 sq.km. (43 sq.mile)
2.	Nature of the catchment area	:	Good
3.	Average monsoon rainfall of catchment area	:	35.21 inch
4.	Rainfall in 75% PL year i.e. 1991	:	894.33 mm
5.	Max. flood discharge at the site	:	903 cumec (31,880 cusec)

**Standards**

1.	Gross storage capacity at FRL +155.500 m	:	16.069 M.cum. (567.477Mcft)
2.	Dead storage capacity	:	0.63 M.cum. (22.248 Mcft)
3.	Life of the reservoir	:	50 years
4.	Silting below dead storage	:	0.377 M.cum. (13.314 Mcft)
5.	Silting in live storage	:	0.949 M.cum. (33.514 Mcft)
6.	Total silt provision in 25 years	:	1.326 M.cum. (46.828 Mcft)
7.	Net live storage after siltation in 25 years	:	14.743 M.cum. (520.649Mcft)
8.	Evaporation losses in the reservoir	:	6.622 M.cum. (233.856 Mcft)
9.	Area of submergence at FTL +155.500 m	:	4.11 M.sq.m. (411.00 ha)
10	FRL	:	+155.500 m
11	MWL	:	+157.500 m
12	TBL	:	+159.100 m

**Earthen Dam**

1.	Top width of bund	:	6.00 m
2.	Deepest bed level at site	:	+143.600 m
3.	Length of bund	:	2.40 km
4.	Max. height of bund	:	15.50 m

**H.C.Weir**

1.	Type	:	Ogee
2.	Crest Level	:	+155.500 m
3.	Length of weir	:	150 m
4.	Max flood discharge	:	903.00 cumec
5.	Head of discharge	:	2.0 m

**Irrigation Sluice (Right Flank Sluice)**

1.	Sill level	:	+148.00 m
2.	Capacity	:	2.65 cumec
3.	No. and size of vent	:	1.5 m 1.7 m (one vent)

**Canal System (Right Flank Sluice)**

1.	Ayacut	:	9,500 acre (3,845 ha)
2.	Length of canal	:	26.00 km
3.	Designed discharge	:	2.65 cumec (93.58 cusec)

**Ayacut**

1.	Existing wet ayacut	:	Nil
2.	Existing dry ayacut	:	2,000 acre (810 ha)
3.	Rainfed dry ayacut to be converted into wet paddy	:	Nil
4.	Irrigation dry ayacut	:	9,500 acre (3,845 ha)

**Financial Aspects**

1.	Cost of the scheme including direct and indirect charges	:	Rs.83.61 lakh
2.	B.C.Ratio at 10% rate of interest without betterment levy	:	1.77