

**MATHADIVAGU RESERVOIR PROJECT
SALIENT FEATURES**

1.	Name of the project	Mathadivagu Reservoir Project across Mathadivagu
2.	Location of project	Village: Waddadi Mandal: Thamsi District: Adilabad State: Andhra Pradesh
3.	Total estimated cost of the project	Rs.5040 lakh
4.	Foreign exchange component	No foreign exchange component is involved
5.	GCA	4,249 ha (10,500 acre)
6.	CCA	3,440 ha (8,500 acre)
7.	Type of dam	Earth Dam with Ogee Spillway
8.	Length of dam including spillway	2.28 km
9.	Max height of dam	17.00 m
10.	Type of Spillway	Ogee
11.	Crest level of Spillway	+270.00 m
12.	No. of Spans	Five (5)
13.	Height of shutters and width	7.50 m X 12 m
14.	Distance between abutments including piers	64 m
15.	No. and capacity of river sluices	Nil
16.	No. and capacity of irrigation sluices	One left flank sluice at Ch.40.00 m; One vent of 2.0 m X 1.5 m; with discharge capacity of 2.785 cumec (96.59 cusec)
17.	FRL and MWL	+277.50 m
18.	Dead storage level	+271.00 m
19.	Gross capacity	13.366 M.cum.
20.	Live capacity	12.794 M.cum.
21.	Dead storage capacity	0.572 M.cum.

22.	Total area of submergence at FRL	3.091 M.sqm. (390 ha)			
23.	Silt provision				
	Upto dead storage level	1.274 M.cum.			
	In the live storage after 25 years	1.535 M.cum.			
	Total	2.809 M.cum.			
24.	No. and length of canals	One Left Flank Main Canal ; 13.0 km			
25.	Whether any lift is involved	No			
26.	Proposed annual irrigation (crop-wise) duties and deltas adopted				
	Details of crops	Area	% of CCA	Delta	Water requirement
	Jawar	809 ha / 2000 acre	23.50	0.5348 m / 1.754 ft	4.327 M.cum. / 152.81 M.cft.
	Cotton	405 ha / 1000 acre	11.80	1.117 m / 3.664 ft	4.524 M.cum. / 159.77 M.cft.
	Groundnut	2226 ha / 5500 acre	64.70	0.4554 m / 1.4937 ft	10.137 M.cum / 358.00 M.cft.
27.	Anticipated additional food production and other benefits	Rs.1025.30 lakh per year			
28.	Cost per hectare / acre	Rs.146516 per hectare / Rs. 59294 per acre			
29.	B.C.Ratio at 10% rate of interest on capital outlay	1.52			
30.	Financial return at the end of 15 th year after completion	(+) 68.07% (+) 80.12% by direct method			
31.	If the project is unproductive what are the special groups for undertaking it	The project is productive			