

BOGGULAVAGU PROJECT

Preamble:

Boggulavagu project is a medium irrigation scheme proposed across a local stream called Boggulavagu a tributary of Maniar river of Godavari basin to benefit backward areas of Jayashankar Bhupalapally district.

Location:

The site of the Boggulavagu Reservoir across Boggulavagu stream is situated about 6.5 Km south west of Rudraram (V), Malhar Rao Mandal, Jayashankar Bhupalapally district and 96 Km from Karimnagar at latitude 18°-33'-25.26" and longitude 79°-15'-36.35".

The head works consists of 1,660 meters (5,446 ft.) long earth dam with 140 meters (459 ft) long H.C. weir at left flank. The regulator is located at right flank with sill at +151.18 meters. The ayacut proposed under the reservoir is 2084 Ha.(5150 acres) consisting of 708 Hect.(1750 acres) wet kharif and remaining 1376 Ha(3400 acres) is I,D rabi.

Hydrology:

Source	STREAM: BOGGULAVAGU, A TRIBUTARY TO MANAIR RIVER
Free Catchment area	84.434 Sq.Km (32.60 Sqmiles)
Intercepted Catchment Area	12.432 Sq.Km (4.80 Sqmiles)
Gross storage	69.125 Mcum (2443.00 Mcft)
Average Monsoon Rainfall	789.178mm (31.07")
The total yield available at 75% dependability	20.99 M.Cum (741.8 M.Cft)
Max Flood Discharge	529.78 Cumecs (18720 Cusecs)
Latitude	18°-33'-25.26" North
Longitude	79°-15'-36.35" East

Scope:

It was constructed to provide Irrigation facilities to an extent of 5150 acres in Kataram and Malhar Rao Mandal of Jayashankar Bhupalapally district.

Sailent Features:-

1	Gross Capacity	10.3383 M.Cum (365.10 Mcft.)
2	Dead Capacity	1.1759 M.Cum (41.52 Mcft.)
3	Full Reservoir Level	11.5142 M.Cum (406.62 Mcft.)
4	Max. water level	+160.70 M (+527.50 ft.)
5	Crest level of spillway	+162.61 M (533.00 ft.)
6	Cost of the Project	RS. 341.67 Lakhs

Details of catchment area

Sl No	Classification	Area in Sq.kms.
1	Free Catchment Area	84.434 Sq.Km (32.60Sqmiles).
2	Intercepted Catchment Area	12.432 Sq.Km (4.80Sqmiles)
3	Catchment Area Combine	96.866 Sq.km(37.40 Sqmiles)

Districts and Mandals benefited

Kataram and Malhar Rao Mandal of Jayashankar Bhupalapally district.

IrrigationPotential (in Acres):-

- Total Ayacut : 2084 Ha. (5150 acres)
- Wet Kharif : 708 Ha. (1750 acres)
- I.D Rabi : 1376 Ha. (3400 acres)

Status of Project:

Operation & Maintenance in Progress