

Justification Report accompanying the forest proposals of 2.104 Ha Forest Land required for CONSTRUCTION OF THURKAPALLY CANAL SYSTEM INCLUDING DISTRIBUTARY NETWORK.

Introduction: The Government has accorded Administrative Approval for the work of Construction of Turkapally canal system (on Jagdevpur canal) including distributory network for irrigating an ayacut of 27167 Acs. for an amount **of Rs.191.49 crores vide G.O.Rt No: 536 Dated: 03.04.2018.**

The work was awarded to M/S. BEKEM-RAGHAVA (JV) for an amount of Rs 164.78 Crs vide SE/KPCC1/SDPT Agreement No: 08/2018-19 Dated: 26.07.2018 with a stipulated time to complete the work in 9 months i.e. by 26-04-2019.

Why Thurkapally Canal:

It is proposed to irrigate 27167 Acs in Siddipet, Medchal-Malkajgiri and Yadadri Bhuvanagiri Districts from river Godavari and supply the same to crop season of about 4 months. Hence a water conveyor system with canals and Distributory system is necessitated so proposed Thurkapally Canal on Jagdevpur Canal to provide irrigation facilities to the drought prone upland areas for entire crop season along with filling of tanks.

M.Thurkapally canal provides irrigation facilities to 1444 Acs in Markook Mandal, 5300 Acs in Mulugu Mandal, 2207 Acs in M.Thurkapally Mandal , 8743 Acs in Bommalaramam Mandal and 9473 Acs in Muduchintalapally.


All the possibilities to avoid forest land for the project have been explored and it is found that no other alternative suitable non-forest land is technically feasible and viable to that part of the work.


- 1. Project Cost Estimate: Rs.191.49 Crores.*
- 2. Status of Works:*
 - Earth Work Excavation of Canal is in Progress.*
 - Lining works and Construction of Structures are in Progress.*
 - Land acquisition is in progress.*
- 3. Environmental & Forest Aspects: Proposal Submitted*

Mapping of the forest areas proposed for diversion:


The ETS & DGPS/ GNSS Survey for the forest areas proposed for diversion has been carried out and the data was submitted to the Forest Department. The same were authenticated by the Forest Department. The extent of the forest area involved is estimated as per the ETS & DGPS/ GNSS Survey data by ascertaining the entry & exit points of alignment with RF, as furnished in the above table.


The alignment of the water conveyor system is marked on the toposheet of 1:50,000 scale. The alignment is also marked in the field with boundary stones. The actual involvement of forest land and its extent is ascertained after joint field inspection with forest authorities.


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