

## **Major Irrigation Projects (Ongoing)**

### **I. Mahatma Gandhi (Kalwakurthy ) Lift Irrigation Project Mahabubnagar, Wanaparthy, Nagarkurnool & Rangareddy Districts**

#### **1. Preamble**

Kalwakurthy Lift Irrigation Scheme, renamed as Mahatma Gandhi Lift Irrigation Project is proposed to provide irrigation water to an extent of 4.24 lakhs acres and drinking water to chronically drought prone upland areas in Mahabubhagar district covering about (303) villages in erstwhile taluks of Kollapur, Nagarkurnool, Achampet, Jadcherla and Kalwakurthy constituencies (in 27 Mandals). Water is proposed to be lifted to a total height of 298 mts in 3 stages from foreshore of Srisaïlam reservoir at Regumangadda , Yellur (v), Kollapur (M), from level +244.40 M to +502.00M.

The Government accorded Administrative sanction vide G.O.Ms.No.65, Dt.14.05.2003 for taking up execution of works of the scheme to irrigate 2.50 lakh Acres and also provide drinking water supply to enroute villages. Revised project report for Rs.2990.00 crores to irrigate total area of 3.40 lakh acres is approved by the Government vide GO.Ms No.204 dated.15.11.2005

Initially, the proposed 2.50 lakh Acres. of ayacut under the scheme was tentative as finalized with conventional pumps by adopting high pumps and proposed Gudipalligattu reservoir @ +502.00 level, the scope of covering additional ayacut arose. During further study based on the representation of local M.L.As and Honorable Chief Minister's assurance on 08.02.2005 the total area of about 3.40 lakh acres available under the same system is proposed to be covered with modern irrigation techniques duly extending the distribution system covering tail end areas. Government ratified the action and extended ayacut from 2.50 lakh acres to 3.40 lakh acres vide Go.Rt.No.740 dated 05.09.2005.

Further, the Government accorded revised administrative sanction vide G.O.Rt.No.941, Dt.21.10.2016 for an amount of Rs.4896.24 crores. And vide G.O.Rt.No.764, Dt.01.09.2017 administrative approval to irrigate additional ayacut of 37,742 acres (total 4,23,416 acres) for an amount of Rs.178.09 crores in Nagarkurnool & Ranga Reddy districts.

#### **2. Salient Features:**

##### **Location:**

- |           |   |
|-----------|---|
| Stage-I   | : Regumangadda ,Yellur (V), kollapur (M).                       |
| Stage-II  | : near Jonnalaboguda BR. At khanapur (V),<br>Kodair (M)         |
| Stage-III | : near Gudipalligattu BR at Gouridevipalli (V),<br>Gopalpet (M) |

River	: Krishna
Water Utilization	: 40 TMC
Ayacut	: 4.24 Lakhs Acres
Nearest Town	: Mahabubnagar (100 KMs. approx)
Villages benefited	: 303 No's
Mandals benefited	: 27 No's

**Component works:**

**(i) Details of Lifts:**

Lift	Locations	Rating of Motors	Discharge	Lift in Mtrs.
Stage-I	Regumangadda, Yellur (V), Kollapur (M).	5 Nos.x30 MW	5x800 Cusecs	95 Mtrs
Stage-II	near JBBR at khanapur (V), Kodair (M)	5 Nos.x30 MW	5x800 Cusecs	86 Mts
Stage-III	near GBBR at Gouridevipalli (V), Gopalpet (M)	5 Nos.x30 MW	5x650 Cusecs	117 Mts

**(ii) Balancing Reservoirs:**

The lift wise, balancing reservoir wise details:

Lift	Details of Reservoirs	Capacity TMC	FRL	Ayacut in Acres
Stage-I	a) Yelluru Balancing Reservoir (YBR)	0.350	+338.50 M	4,000
	b) Singotam Balancing Reservoir (SBR)	0.55	+334.68 M	11,000
Stage-II	Jonnala boguda Balancing Reservoir (JBBR)	2.140	+407.00 M	55,000
Stage-III	Gudipalli gattu Balancing Reservoir (GGBR)	0.98	+502.00M	3,15,674

**(iii) Canals:**

Sl.No	Name of Work	Ayacut	Length of canal
1	Gravity canal from Yelluru to GGBR including distributary system	70,000 Acres	36.00 km
2	Gravity main canal from Stage-III to Kalwakurthy including distributary system	1,80,000 Acres	160.00 km
3	Achampet branch canal from GGBR including distributary system	90,000 Acres	80.00 km
4	Ghanpur Branch Canal	25,000 Acres	25.00 km
5	Tail end distributary D82	37,742 Acres	60.00 km
6	Buddaram Right Main Canal	20,674 Acres	23.65 km

### 3. Irrigation Potential:

The total ayacut contemplated under the Project is 4.23 lakh Acres.

Mandal wise ayacut particulars are as follows:

Sl. No.	Name of the Mandal	Name of the Constituency	Ayacut Acres
1	Achampet	Achampet	400
2	Balmoor	Achampet	3,561
3	Lingal	Achampet	11,076
4	Uppanuthala	Achampet	20,353
5	Vangur	Achampet	30,845
6	Urkonda	Jadcherla	4,642
7	Kalwakurthy	Kalwakurthy	32,692
8	Veldanda	Kalwakurthy	16,370
9	Kodair	Kollapur	28,942
10	Kollapur	Kollapur	13,000
11	Peddakothapally	Kollapur	26,375
12	Bijinapally	Nagarkurnool	17,628
13	Nagarkurnool	Nagarkurnool	28,410
14	Tadur	Nagarkurnool	28,704
15	Telkapally	Nagarkurnool	29,090
16	Thimmajipet	Nagarkurnool	3,204
<b>NGKL Total</b>			<b>2,95,292</b>
17	Pangal	Kollapur	27,043
18	Ghanpur	Wanaparthi	17,831
19	Gopalpet	Wanaparthi	16,196
20	Peddmandadi	Wanaparthi	13,565
21	Revalli	Wanaparthi	14,249
22	Wanaparthi	Wanaparthi	5,058
<b>WNP Total</b>			<b>93,942</b>
23	Addakal	Devarkadra	4,600
25	Moosapet	Devarkadra	2,400
24	Midgil	Jadcherla	5,810
<b>MBNR Total</b>			<b>12,810</b>
26	Amangal	Kalwakurthy	2,616
27	Margul	Kalwakurthy	18,756
<b>RR Total</b>			<b>21,372</b>
<b>MGKLIS TOTAL AYACUT</b>			<b>4,23,416</b>

#### MGKLIS DISTRICT WISE ABSTRACT

Name of the District	Total IP Contemplated	IP Created during 2017-18	Balance IP to be created
Nagarkurnool	2,95,292	1,69,714	1,25,578
Wanaparthi	93,942	41,327	52,615
Mahabubnagar	12,810	300	12,510
Rangareddy	21,372	10,000	11,372
<b>Total</b>	<b>4,23,416</b>	<b>2,21,341</b>	<b>2,64,532</b>

### 4. Water Utilization:

40 TMC of water is proposed to be lifted from foreshore of Srisailem Reservoir to irrigate an ayacut of 4,23,416 acres.

**5. Estimated Cost:**

The total project cost is Rs. 4896.24 Crores as per SSR 2016-17.

**Present Status of the Project:-** Ongoing project.

- o Stage- I at Yelluru Village was inaugurated by Chief Minister of United Andhra Pradesh on 16.09.2012.
- o Stage-II at Jonnalaboguda – Work is almost completed.
- o Stage-III at Gudipallygattu – Work is in progress.
- o Preliminary clearance No.J-12011/90/2005-IA-I, dt.07.03.2006
- o Environmental clearance has been accorded by MOEF, Govt. of India vide their No.J-12011/13/2006-IA-I, dt.09.05.2006
- o Stage-II forest clearance is under progress.

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