

IRRIGATION PROFILE OF WEST GODAVARI DISTRICT

[*Click here for Ayacut Map](#)**Introduction**

West Godavari District is carved out of Old Godavari District and as the Western Delta of the River Godavari it was appropriately named as West Godavari with Head Quarters at Eluru and bounded on the North by Khammam District on the South by Krishna District and the Bay of Bengal on the East by the River Godavari and on the West by Krishna District. The West Godavari District was formed in the year 1925. It lies between 16° 15' and 17° 30' of the Northern latitude and 80° 55' of the Eastern longitude. It was divided into three natural regions (i.e.) Delta, Upland and Agency areas. It has an area of 7742 SqKm. It has four Revenue Divisions namely Eluru, Kovvuru, Jangareddigudem and Narasapuram having 16,12,6 and 12 No of Revenue Mandals respectively.

The district lies in the River basins of Godavari, Yerra calva, Thammileru Gunderu, Ramileru and Kolleru. The district comprises of 48 mandals out of which 19 mandals upland and 29 delta mandals (including semidelta)

1. Geographical Features

Population	: 39, 95,742
Mandals	: 48 Nos.
Literacy Rate	: 74.30 %

Classification of geographical area Area (in Hectares) % of Total Area

Total geographical area	8,50,665	--
Forest	1,32,902	15.63
Cultivable area	4,55,225	64.75

Barren and un-cultivable land	40,896	4.76
Land put to non agricultural use	1,20,558	14.17
Sown area	4,17,156	49.03
Net Irrigated area(Khariff + Rabi)	3,62,313	48.10
Normal average rainfall	1040 mm	--

Rivers

Godavari is the important river flowing in this District. This river borders the entire eastern boundary of the District. At Vijjeswaram, the river breaks into two branches namely, the Gowtami Godavari (Eastern Branch) and Vasista Godavari (Western Branch) and flows towards the South of the District before emptying into the Bay of Bengal near Antarvedi. The other Minor rivers which feed the Irrigation tanks in the upland areas are Thammileru, Yerracalva, Byneru, Kovvadacalva, Jalleru and Gunderu.

Drainage Basins:

S.No	Drains	Vasista Basin	Upputeru Basin	Kolleru Basin	Total No. of Drains	Total Length in Km
1	Major Drains	2	10	9	21	409
2	Medium Drains	11	35	13	59	351
3	Minor Drains	85	374	120	579	1513

S.No	Name of Project	Ayacut Contemplated in Hectares	IP created in Hects	Balance IP to be created in Hects
	a)Completed Projects			
I	MAJOR IRRIGATION			
	a. Godavari Western Delta(S.A.C.B)	214473	-	-
	b. Krishna Delta (Krishna Barrage)	23663	-	-
	Total	238136	-	-
II	MEDIUM IRRIGATION			
-	a) Thammileru reservoir Project	1718	-	-
III.	MINOR IRRIGATION	-		
	a) Jalleru Reservoir	1700	-	-
	b) Minor Irrigation Tanks (1404 Nos)	43350	-	-
	c) Open Head channels (23 Nos)	3230	-	-
	d) Check Dams (66 Nos)	1507	-	-
	e) Anicuts (4 Nos)	490	-	-
	f) L I Schemes (28 Nos)	16425	-	-
	Total	66702	-	-
	GRAND TOTAL :	306556	-	-
	B)Ongoing Projects			
	MAJOR IRRIGATION			
1	Tadipudi Lift Irrigation Scheme	83,610	62,138	21,472

2	Polavaram Irrigation Project Right main canal	40,500	0	40,500
3	Chintalapudi Lift Irrigation Scheme	80,939	0	80,939
4	Pattisam Lift Irrigation Scheme	0	0	0
5	Weir Channel Under GWD	909	0	909
6	Extension of Sheshavatharam Channel	809	0	809
	Total :	2,06,767	62,138	1,44,629
MEDIUM IRRIGATION				
1	K K Yerra calva Reservoir Project	9,996	6,070	3,926
	-do - Extension of LMC	1,214	0	1,214
	-do - L I Scheme on RMC	2,694	0	2,694
2	Kovvada calva Reservoir Project	7,176	6,070	1,106
	Total :	21,080	12,140	8,940
MINOR IRRIGATION				
1	Pogonda reservoir Project	1,619	0	1,619
2	APSIDC L.I.Schemes (4 No.s)	6,357	0	6,357
	Total :	7,976	0	7,976
	GRAND TOTAL :	2,35,823	74,278	1,61,545
C)PROPOSED				
1	MAJOR IRRIGATION	NIL	-	-
2	MEDIUM IRRIGATION	NIL	-	-
3	MINOR IRRIGATION			
	a)Formation of New Tanks	11 Nos	460 Hect	-
	b)Check dams	10 Nos	154 Hect	-
	c)L.I. Scheme	10 Nos	4481 Hect	-
	Total	31 Nos	5095 Hect	

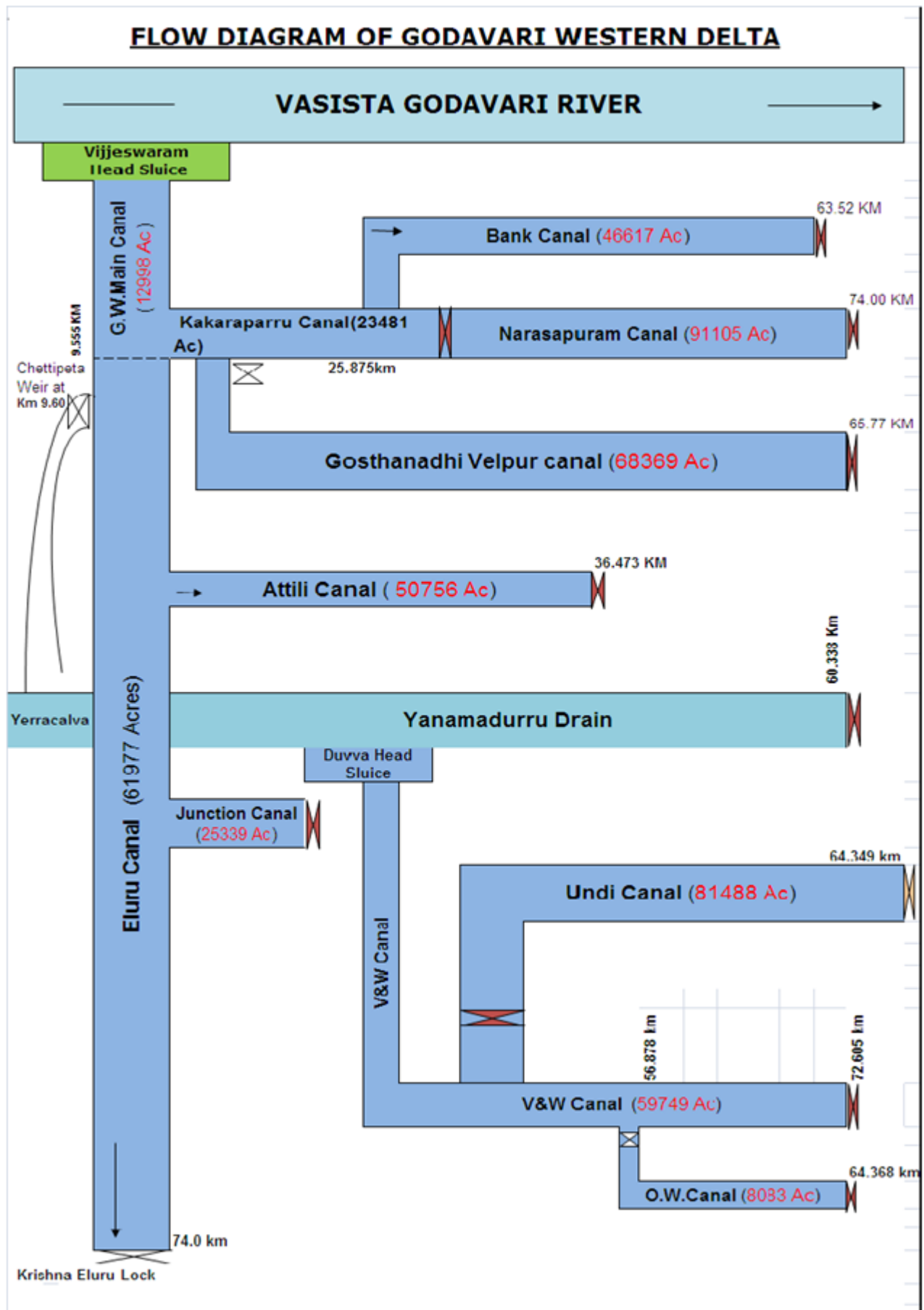
Major Irrigation (Completed)

1)Godavari Western Delta Under Sir Arthur Cotton Barraiage, Dowlaiswaram

Salient Features

1	Off take Point	: Vijjeswaram Head sluice
2	No. of Main Canals	: 11 Nos.
3	Total Length of Main canals	: 357 Km
4	Length of distributory net work	: 2020 Km
5.(a)	Ayacut (Including Fish Tanks)	: 5,29,962 Acres
b)	Fish Tanks	: 69,962 Acres
c)	Net Ayacut	: 4,60,000 Acres
6	No. of Mandals Benefited	: 29 delta Mandals
7	No. of Crops	: 2 Nos. (Khariiff and Rabi)
8	Water utilization per year	: Nearly 100 TMC for both the crops

- | | | |
|----|------------------------|---------------------------|
| 9 | Drainage basins | : 3 Nos. |
| | | 1)Vasista |
| | | 2)Upputeru |
| | | 3)Kolleru |
| | a)Major Drains | : 21 Nos. Length 409 Km |
| | b)Medium Drains | : 59 Nos. Length 351 Km |
| | c)Minor Drains | : 579 Nos. Length 1513 Km |
| 10 | Project Committee | : 1 No. |
| 11 | Distributory Committee | : 20 Nos. |
| 12 | W.U.A.s | : 131 Nos. |



2) Krishna Delta

(Part Of Krishna Barrage On Krishna River At Vijayawada)

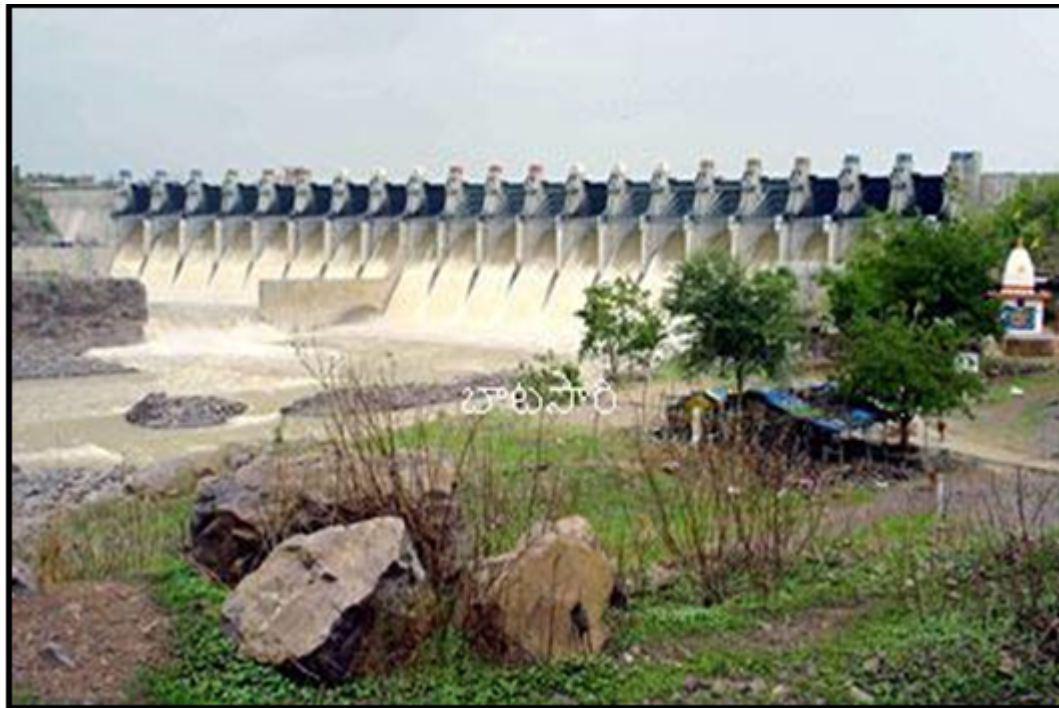
Salient Features :

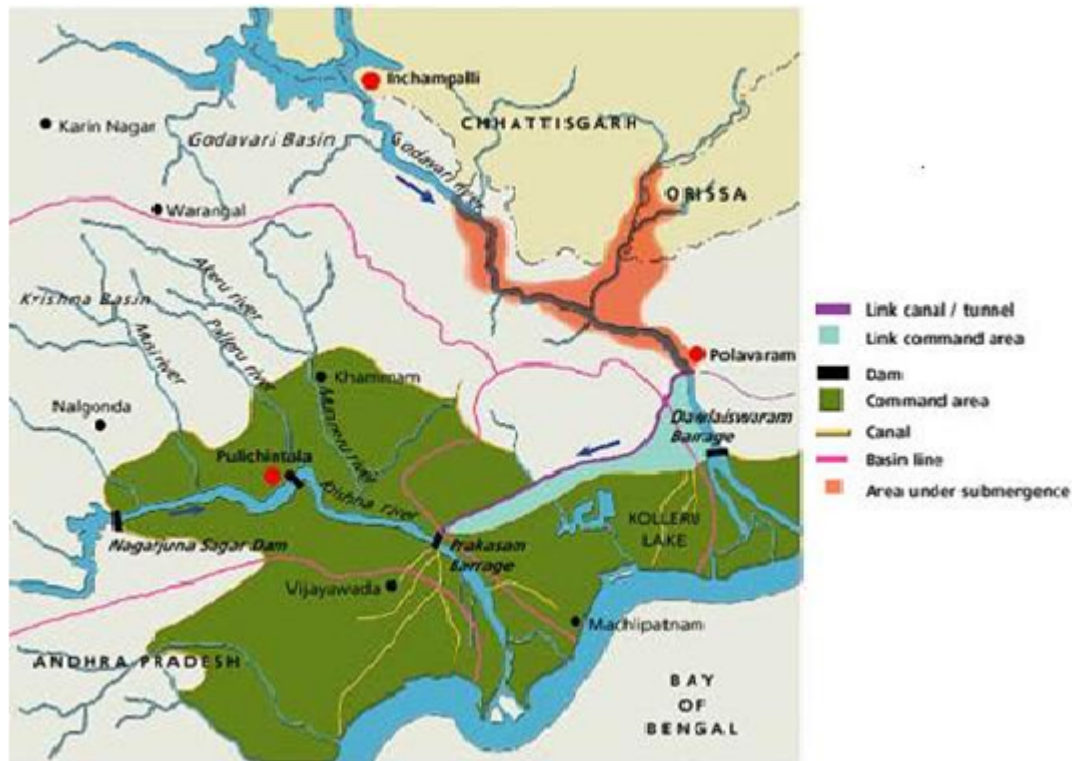
Ayacut in West Godavari District : 58471 Acres
Mandals benefited : Eluru 27251 Ac,Pedapadu 25720 Ac,Denduluru 5500 Ac

Barrage Details :

Total Ayacut : 13.09 Lakh Ac
Gross Storage : 3.071 TMC
Live Storage : 2.30 TMC
Maximum flood Storage : 10.61 Lakh Cusecs
Barrage Discharge : 10600 Cusecs
Crops : Both Khariff and Rabi

3)Polavaram Irrigation Project





Preamble :

The head works of Polavaram Irrigation Project is proposed at about 34 km up stream of Kovvuru - Rajahmundry rail cum road bridge on river Godavari at Ramaiah peta village, Polavaram Mandal, West Godavari district.

Salient Features :

Location	: Near Ramaiah peta(V) Polavaram(M),W.G.Dist
Full reservoir Level	: +150 Ft (+45.72 M)
Gross Storage	: 194.6 TMC
Live storage	: 75.2 TMC
Dead storage	: 119.4 TMC
Catchment Area	: 3,06,643 Sq KM
Designed flood discharge	: 36 laksh cusecs
Possible Maximum flood	: 50 Lakhs Cusecs
No of Mandals benefitted	: 48 No.s
Habitation under submergence	: 370 Nos
Revenue Villages under submergence	: 222 Nos
Population affected	: 1, 91,460 Nos
Total Land affected (Non-Forest)	: 1, 05,560 Acres
Forest land	: 8,483 Acres
Deemed Forest	: 638 Acres
Length of Right main canal	: 177.00 KM

Length of Left main canal : 181.50 KM
 Budget provision for the year 2015-16 : Rs. 1032.00 Crs
 Cumulative Expenditure up to 5/2015 : Rs. 5479.54 Crs

Ongoing Major Irrigation

1)Chintalapudi Lift Irrigation Scheme

Salient Features :

Name of the Scheme : Chintalapudi Lift Irrigation Scheme.
 Cost of the Project : Rs.1701.00 Crores G.O.Ms.No.240 dt:24.10.2008
 Location of Pump Houses :
 1st Stage : @ Km.26.500 of AGRB Near Tadipudi.
 2nd Stage : @ Kovvurupadu.
 3rd Stage : @ Jalleru Reservoir.
 Static Head:
 1st Stage : 29.300 M
 2nd Stage : 86.396 M
 3rd Stage : 27.039 M
 Power Required : 111 MW.
 Discharge required : 56.00 cumecs
 Ayacut proposed : 2.00 lakh Acres.
 No. of villages benefited : 220
 Pressure Main
 1st Stage : 4 Rows of MS Pipes of 3.00 m ø
 2nd Stage : 4 Rows of MS Pipes of 3.00 m ø
 3rd Stage : 2 Rows of MS Pipes of 3.00 m ø
 Length of Pressure Main
 1st Stage : 3.00 Kms
 2nd Stage : 3.00 Kms
 3rd Stage : 1.40 Kms.
 Length of Main Canal
 Package - 1 : Km.0.00 to Km.36.00
 Package - 2 : Km.36.00 to Km.68.00.
 Canal section
 Bed width : 24 Mt.
 FSD : 3.2 M.
 Length of Leading Channel : 13.20 Kms.
 Reservoir capacity : 8 TMC.
 Mandal wise benefited : 16 Nos in West Godavari
 Budget provision for the year 2015-16 : Rs. 22.0300 Crs
 Cumulative Expenditure up to 5/2015 : Rs. 357.5400 Crs

2)Tadipudi Lift Irrigation Scheme



Preamble :

The Government of Andhra Pradesh have accorded Administrative Approval for Rs. 23,740 lakhs. The scheme is contemplated to provide irrigation facilities to 14 mandals of West Godavari district. The scheme also provides drinking water facilities to 5.40 lakh population enroute the canal system. The lifting of water is proposed on Godavari at km 26.2 of Akhanda Godavari right bank.

Salient Features:-

Location	: On River Godavari near Tadipudi (V) Tallapudi (M), W.G. Dist
Ayacut	: 2, 06,600 Acres
No of Villages affected	: 135 No.s
No of Mandals benefited	: 14 No.s
Water Utilisation	: 14.470 TMC
Crops	: Khariff Only
Drinking water	: 5.40 Lakh population enroute the canal
Power required	: 28 M.W
Discharge	: 1396 Cusecs
Static load	: 30.03 M
Pumps	: Vertical turbine pumps
Capacity	: 24,000 H.P (8 No.s 3000 HP each)
Ayacut Created	: 14500 Acres
Length of Pressure main	: 2.59 KM (1635 mm Pipes of 12 rows)
Length of main canal	: 80.45 KM
Length of distributories	: 675 KM
Budget provision for the year 2015-16	: Rs. 70.0000 Crs
Cumulative Expenditure up to 5/2015	: Rs. 484.5000 Crs

3) Pattisam Lift Irrigation Scheme

Salient Features:-

Location	: On River Godavari near Pattisam (V) Polavaram (M), W.G. Dist
Total discharge	: 240 Cumecs (8500 cusecs)

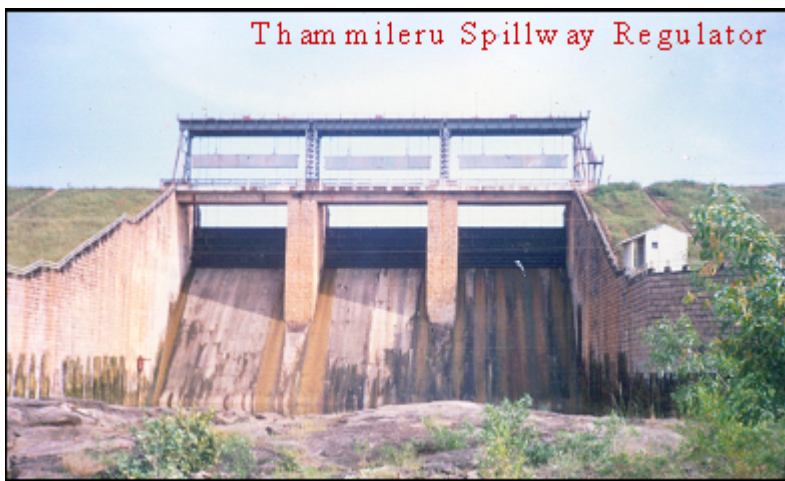
Minimum water Level	: +14.00 m
Delivery level	: + 42.50 m
Types of pumps	: Vertical Turbine Pumps
No of pumps	: 24 Nos
Discharge of each pump	: 10Cumecs (354 Cusecs)
Pressure main	: 12 Rows of 3.2 mts Dia
Length of pressure main	: 3.925 Km
Capacity of each pump	: 5300 H.P (3.95MW)
Capacity of each Motor	: 6300HP(4.70MW)
Total power required	: 113MW
Administrative approval	: G.O.Ms.No. 1, Dt: 01.01.2015 for Rs.1300.00 Crores Scheme.
Cost of the scheme	: Rs.1299.900Crores
Executing Agency	: M/s Megha Engineering & Infrastructures Ltd
Benefits	(i) Get early benefits of Polavaram Project under Right Main Canal. (ii) Balance Irrigation Potential of 1.20lakh Acres in Krishna and West Godavari Districts will be provided with water early (iii) Facilitates in raising early seed beds in Krishna Delta and stabilize

Benefits

- 1) Get early benefits of Polavaram Project under Right Main Canal.
- 2) Balance Irrigation Potential of 1.20lakh Acres in Krishna and West Godavari Districts will be provided with water early.
- 3) Facilitates in raising early seed beds in Krishna Delta and stabilizes the Krishna Delta ayacut.
- 4) Meets drinking water and Industrial water needs in the command areas.
- 5) The Krishna water thus saved in Krishna Delta due to augmentation from river Godavari can be retained in Srisailem Reservoir.
- 6) The water so retained in Srisailem Reservoir can be utilized for the surplus water based Projects of Rayalaseema i.e., HNSS, GNSS, Telugu Ganga and the Irrigation, drinking water and industrial water needs of the Rayalaseema Region can be met.
- 7) Proposed to lift 8500 Cusecs of water from River Godavari near Pattisam village. Deliver into Polavaram Right Main Canal at about Km 1.50.
- 8) It is proposed to transfer about 80 TMC of Godavari water during flood season to River Krishna.

Medium Irrigation(Completed)

1)Thammileru Reservoir Project (Completed)



Salient Features:

Location	The Scheme is constructed across Thammileru river near Errampalli village of Chintalapudi Mandal which is 10 Kms away from Chintalapudi.
Ayacut	9169 Acres (Khariff only) (4244 Acres W.G District) (4925 Acres Krishna District)
Mandals benefited	Chintalapudi, Lingapalem of W.G District, Chatrai of Krishna District
FRL	: 355 Ft
Capacity	: 3 TMC
Dependable Net Yield	: 2700 Mcft
Water allocation	
I) Irrigation	: 1210 Mcft
II) Drinking	: 0.1 TMC
Maximum flood discharge	: 26000 Cusecs
No.of villages partially submerged	: 3 No.s
Dead Storage	: 0.300 TMC
MDDL	: 324.72 Ft
Present Stage	: Completed
Villages Benefited	Talarpalli,Errumpalli,Edavalli,Kalyanapadu, T.C.R.Palem in West Godavari District, Polavaram, Chatrai, Tummagudem, Marlapalem , Monkollu and Krishna District

Canals	Left Main Canal	Monkollu Canal	Right Main Canal
Length	10.185 Kms	3.38 Kms	6.508 Kms
Ayacut	4244 Acres	1095 Acres	3830 Acres
Cropping Pattern	Paddy	Paddy	Paddy

2)Vijayarai Anicut

With Right Sluice



With left Sluice



Vijayarai Anicut

Preamble :

To divert water from self catchment area of Thammileru below the Thammileru Reservoir Project and also to ensure proper distribution of water left down from the Reservoir was constructed an anicut across Thammileru near Vijayarai (3857 Acres) in West Godavari District +3864 Acres in Krishna District) with distribution system to stabilize the existing ayacut of 10,721 Acres under Minor irrigation.

Salient Features:-

Location : The Anicut across Thammileru river near Vijayarai(V)

Pedavegi(M) in West Godavari District.

Ayacut	: 10,721 Acres (Stabilized ayacut is under existing minor Irrigation Sources)
Mandals benefited	: Pedavegi
Water allocation	: 214.810 Cusecs
Length of the Anicut	: 76 Meters
Maximum flood discharge	: 26900 Cusecs
Budget for the Year 2015-16	: Plan 0.2000 Crs.
Present Stage	: Completed

Length Discharge

Ayacut

Left Canal 11.32 Km 77 Cusecs 3857 Acres (West Godavari District)

Right Canal 11.45 Km 138 Cusecs 6864 Acres (Krishna District)

3. Karatam Krishna Murthy Yerra Calva Reservoir Project (Ongoing)



Preamble :

The Yerracalva Reservoir project constructed across Yerra calva near Konguvarigudem village in Jangareddygudem mandal to provide irrigation facilities to an extent of 24,700 Acres with an additional ayacut of 9660 Ac thus a total of 34,360 Ac in 22 Villages through Right and Left main canals.

Salient Features:-

FRL	: 83.050 Mts
Storage Capacity	: 4.428 TMC
Irrigation Level	: 79.00 Mts
Irrigation Storage	: 2.806 TMC
Crest Level	: 78.50 Mts
Dead Storage	: 0.377 TMC
Sill level	: 76.00 Mts
Flood storage	: 1.345 TMC
Crops	: Khariff only

Budget for the Year 2015-16

: Plan 1.5000 Crs.

Details of Canals and Ayacut

Sl No.	Name of Canal	Length in Km	Ayacut in Acres	Districts
1.	Right Main Canal	45.90	19700	West Godavari
2.	Left Main Canal	7.59	5000	West Godavari

There is 1 Project Committee, 5 WUAs formed and are functioning

LIFT IRRIGATION SCHEME ON RIGHT MAIN CANAL :

Lift irrigation scheme was constructed on Giramma tank ie. Km 11.280 on right main canal at East Eadavalli village of Kamavarapukota mandal, West Godavari district to provide irrigation facilities to 6656 acres as additional ayacut in Kamavarapukota and Dwarakathirumala Mandals. The pump house was constructed, tenders for the balance work is called and the works are in progress . The required land is about 30 Acres.

EXTENSION OF LEFT MAIN CANAL:

AThe left main canal proposed to extend to provide irrigation facilities to an extent of 3000 acres as additional ayacut in Jangareddigudem mandal. Tenders for the balance works are called and the works in progress. Land required is 17.07 Acres. At present the water is supplying only 15000 acres under this project against localized ayacut of 24700 acres.

4. Kovvadacalva Reservoir Project (Ongoing)**Preamble :**

The Project Constructed across Kovvada calva near L.N.D peta of Polavaram Mandal. The scheme also contemplates drinking water facility to 15 Villages enroute the canal benefiting a population of 35,000.

Salient Features:-

Location : LND Peta (V) in Polavaram (M) of W.G. District
 Longitude : 81° 30' 36" N

Latitude	: 17° 12' 00" N
Dependable yield (75%)	: 28.00 M. Cum (989 M.Cft.)
Upper utilization	: 1.13 M. Cum (40 M.Cft)
Required Demand	: 25.93 M. Cum (916 M. Cft)
Live Storage	: 0.408 TMC
Max. Flood discharge	: 630.30 Cumec (22,259 cusecs)
F R L	: 90.50 M (296.93 Feet)
Crops	: Khariff only
Max discharge in the canals	:
i) Left Canal	: 5.50 Km , 0.72 Cumecs (25.42 Cusecs) (Ayacut 7249 Acres)
ii) Right canal	: 10.037 Km, 1.761 Cumecs (62.19Cusecs) (Ayacut 10490 Acres)
Length of Earth Dam (Excluding Spillway portion)	: 1630 M (5347.77 ft)
Max,. Height	: 22.04 M (72.31 ft)
Length of spillway	: 35.5 M (116.47 ft) with 3 Nos. radial gates of size 10 m X 6 m
Catchment Area	: 111.37 Sq.Km
Budget for the Year 2015-16	: 0.7000 Crs.
Cumulative Expenditure up to 5/2015	: Rs. 64.90 Crs

Minor Irrigation(Completed)

1)Gubbala Mangammathalli Jalleru Reservoir Project(Completed)



Jalleru Reservoir Scheme is a Minor Irrigation Scheme Constructed across Jalleru in Aliveru(V)Tribal area of Buttaigudem Mandal of West Godavari District.

FRL	: +217.80 M
Gross Storage Capacity	: 540 Mcft
Ayacut	: 4,200 Acres (ID)

Mandals benefited	: Buttaigudem
Dependable Net Yield	: 591 Mcft
Water allocation	: 378 Mcft
Maximum flood discharge	: 12,300 Cusecs
Canals	: 1 Main Canal
Length	: 6.09 Km
Discharge	: 58 Cusecs
Cropping Pattern (Rabi Only)	: Tobacco, Chillies, I.D. Crops
Villages benefited	: Doramamidi, Buttaigudem

Rehabilitation

Due to construction of above Project (i) Yeraigudem (ii) Aliveru Villages were submerged. About 100 families of the above villages were rehabilitated at Doramamidi Village.

Minor Irrigation(Ongoing)

1)Pogonda Reservoir Scheme

LOCATION	: Chintalagudem(V),Buttaigudem(M),W.G.dist					
Catchment area	: 37 Sq Miles					
Latitude	: 17° 14' 50" N					
Longitude	: 17° 14' 50" E					
Capacity	: 227.38 Mcft					
FRL	: +157.00					
TBL	: +159.40					
Length of Earthen bund	: 2.10 Km					
Length of Surplus Weir	: 305 Mts.					
Maximum Discharge through Surplus Weir	: 20,000C/S					
LMC Villages benefited	: 7 No.s					
RMC Villages benefited	: 9 No.s					
Lengh in KM	Ayacut in Acres	Discharged Required	Discharge Designed	Bed width (Mts) FSD(Mts)		
LMC 2.1	1750	1.032	1.1689	1.9	0.8	
RMC 5.5	2250	1.327	1.466	1.9	0.9	

Minor Irrigation Tanks (Above 100 Acres)

S.No.	Name of tank	Name of the Village	Name of the Mandal	Ayacut in Acres
1	Barrinkalakunta tank	Challapalli	Denduluru	100
2	Venkataramanna tank	Jogannapalem	Denduluru	100
3	burugugaddavari kunta tank	Polavaram	Polavaram	100
4	Panthulakoneru tank	Narsannapalem	Dwaraka Thirumala	100
5	Injerlamma tank (Narasimhudu gattu)	Bhogolu	Lingapalem	101
6	Gollakunta tank	Venkammapalem	Chintalapudi	102

7	Vemanna kunta tank	Narasannapalem	Lingapalem	102
8	Kotha tank	Chodimella	Eluru	102
9	Ratnalakunta tank	Madakamvarigudem	Jeelugumilli	102
10	Raju tank	Parimpudi	Koyyalagudem	102
11	Regunta tank	Dharmajigudem	Lingapalem	103
12	Musalayya tank	Narasimhapuram	Denduluru	103
13	Venkanna tank	Kovvurupadu	Gopalapuram	104
14	Voota calva tank	Rajanagaram	Buttaigudem	104
15	Vadapu tank	Venkataramannagudem	Tadepalligudem	105
16	Veeramma Tank	Marellamudi	Nallajerla	106
17	Kamayamma tank	Pattisam	Polavaram	107
18	Chandramma Tank	Tadicherla	Kamavarapukota	107
19	Nuthulakunta tank	Narayanapuram	Dwaraka Thirumala	108
20	Komati tank	Tadicherla	Kamavarapukota	108
21	Golladi Kunta Tank	Golladikunta	Dwaraka Thirumala	108
22	Kambalavari Tank	Prakasaraopalem	Nallajerla	108
23	Mangalakara tank	Duddepudi	Bhimadolu	108
24	Medappa Tank	Chintalapudi	Chintalapudi	108
25	Mysannagudem tank	Mysannagudem	Jangareddigudem	110
26	Balanka tank	Rampalem	Gopalapuram	110
27	Nagari tank	Bhillimilli	Koyyalagudem	110
28	Allicalva	Machulavarigudem	Buttaigudem	110
29	Chinnikunta	Arugolanu	Tadepalligudem	110
30	Nandhi Bhavani Tank	Kaikaram	Unguturu	110
31	Vakillamma Tank	Gopalapuram	Dwaraka Thirumala	111
32	Chinna tank	Seetharamanagaram	Buttaigudem	112
33	Chandravani Kunta Tank	Pragadavaram	Chintalapudi	113
34	Reddikunta Tank	Amberapet	Bhimadolu	113
35	Vishnusagar tank	Chintalapudi	Chintalapudi	114
36	Gummadikunta tank	Vempudu	Pedapadu	114
37	Pedda tank	Rajavaram	Koyyalagudem	114
38	Kotha tank	Kothapalli	Lingapalem	115
39	Ravanappakudividi Tank	Hukumpeta	Gopalapuram	116
40	Bolu Cheruvu	Vedantapuram	Koyyalagudem	117
41	Pedda Tank	Satthala (A.Gokavaram)	Dwaraka Thirumala	117
42	Talla Tank	Komarepalli	Denduluru	117
43	Venkatesetti tank	Parimpudi	Gopalapuram	118
44	Pillikunta tank	Challapalli	Denduluru	119
45	Kotha Tank	Narayanapuram	Dwaraka Thirumala	120
46	Balamma cheruvu	Appanaveedu	Pedapadu	120
47	Juvvikunta Tank	Sriramavaram	Denduluru	121
48	Chaviti tank	Vijayarai	Pedavegi	123
49	Nutikunta tank	Parimpudi	Koyyalagudem	125
50	Sitaiahkattu tank	Kannapuram	Koyyalagudem	126

51	Kurividi Tank	Madinaraopalem	Denduluru	126
52	Bogamdanikunta tank	Kothagudem	Denduluru	127
53	Ura cheruvu	Nadipalli	Pedavegi	127
54	Chowdari tank	Dippakayalapadu	Koyyalagudem	128
55	Singasamudram Tank	Tirumalampalem	Dwaraka Thirumala	128
56	Gopikunta tank	Galayagudem	Denduluru	129
57	Talla tank	Busarajupalli	Buttaigudem	129
58	Dondabathula Tank	Parimpudi	Gopalapuram	130
59	Andachandala	Antervedigudem	Buttaigudem	130
60	Akullamallavari tank	Jaganadhapuram	Tadepalligudem	130
61	Nallakunta tank	Narayanapuram	Dwaraka Thirumala	130
62	Kondaiah tank	Kovvurupadu	Gopalapuram	130
63	Jonnalavagu	Palakunta	Buttaigudem	131
64	Perumallakunta tank	Muthannaveedu	Pedavegi	131
65	Erra tank	Endapalli	Chintalapudi	132
66	Bapaiah tank	Rangapuram	Lingapalem	133
67	Kadiapu Tank	Arugolanu	Tadepalligudem	133
68	Nagula tank	Kothagudem	Denduluru	133
69	Kotha Tank	Kaikaram	Unguturu	134
70	Narasimhasagaram tank	Tirumaladeveipeta	T. Narasapuram	135
71	Jammi tank	Narayanapuram	Dwaraka Thirumala	135
72	Bhimaiahkunta tank	T.Gokavaram	Pedavegi	136
73	Subbaiah tank	Vegiwada	Pedavegi	137
74	Thimmanakunta tank	Gangannagudem	Denduluru	137
75	Yerra Tank	K.Nagavaram	Buttaigudem	138
76	Palakunta tank	Kothagudem	Denduluru	139
77	Gollalavani tank	Tirumalampalem	Dwaraka Thirumala	140
78	Yerra tank	Polasanipalli	Bhimadolu	140
79	Lothuvagu tank	Buruguwada	Buttaigudem	141
80	Pothayyacheruvu	T.Gokavaram	Pedavegi	143
81	Mangaiah tank	Guddigudem	Gopalapuram	144
82	Gubbalagunta Tank	Buttaigudem	Buttaigudem	144
83	Ponnuvarikuruvidi tank	Pattisam	Polavaram	144
84	Annappa tank	Rajavaram	Koyyalagudem	145
85	Kotharaju tank	Nandigudem	Gopalapuram	145
86	Kotha tank	Kallacheruvu	Kamavarapukota	146
87	Lakshmudu Tank	Chandramma colony	Jeelugumilli	146
88	Yerra tank	Dharmajigudem	Lingapalem	147
89	Pedda Tank	Gopinadhapatnam	Unguturu	147
90	Chakirevupadu tank	K. Gokavaram	Lingapalem	148
91	Kanakamma tank	Yadavolu	Devarapalli	148
92	Tanalakunta tank	Tanalakunta	Polavaram	149
93	Thummi tank	Nandigudem	Gopalapuram	150
94	Parikala Calva Tank	Dibbagudem	Jeelugumilli	151

95	Krishnapuram Tank	Krishnapuram	Dwaraka Thirumala	152
96	Veerabhadruni Tank	Elamilli	Unguturu	152
97	Yerra tank	Vedantapuram	Koyyalagudem	154
98	Kallepallivagu	Rajanagaram	Buttaigudem	155
99	Surasamudram tank	Mattamgudem	Lingapalem	155
100	Deepa tank	Jogannapalem	Denduluru	155
101	Voti tank	Korumamidi	Nidadavolu	156
102	Tallagunta tank	Guntapalli	Kamavarapukota	158
103	Papi tank	Nandigudem	Gopalapuram	159
104	Nalla Yerra Tank	Nallajerla	Nallajerla	159
105	Chinna tank	Koppaka	Pedavegi	159
106	Jogaiah tank	Kancherlagudem	Gopalapuram	163
107	Chintala tank	Pattempalem	Jangareddigudem	163
108	Appalaraju tank	Appalarajugudem	T. Narasapuram	164
109	Bagula tank	Vemulapalli	Lingapalem	164
110	Pedda Tank	Tadepalli	Tadepalligudem	165
111	Govindarajula tank	Vinjarum	Polavaram	166
112	Jagannaikula tank	K.S. Ramavaram	Kamavarapukota	169
113	Sreeramula kattu tank	Ketavaram	Jangareddigudem	170
114	Chepala Calva Tank	Ankannagudem	Jeelugumilli	172
115	Vadiselaavari tank	Kannapuram	Koyyalagudem	172
116	Mallamma Tank	Arugolanu	Tadepalligudem	172
117	Narasanna Tank	Tirumalapalem	Jangareddigudem	173
118	Rayudu tank	Korumamidi	Nidadavolu	173
119	Kotha tank	Kothagudem	Denduluru	174
120	Talla tank	Ayyapparajugudem	Lingapalem	174
121	Yerra tank	Sanigudem	Denduluru	174
122	Panakala tank	Singayagudem	Devarapalli	177
123	Pedda Tank	A. Gokavaram	Unguturu	178
124	Akkasagaram tank	Raghavapuram	Chintalapudi	179
125	Rachappa tank	Dharmajugudem	Lingapalem	180
126	Kancharadevara tank	Sanigudem	Denduluru	182
127	Ramachandrani tank	Ravikampadu	Kamavarapukota	182
128	Venkayyamma Tank	Pattisam	Polavaram	182
129	Pedda Tank	Telikicherla	Nallajerla	182
130	Patruni Tank	Pothavaram	Nallajerla	182
131	Pedda Venkanna tank	Appannaveedu	Pedapadu	184
132	Yerra tank	Kokkirapadu	Pedapadu	184
133	Khandrika tank	Kuchimpudi	Pedavegi	184
134	Gadala tank	Pattisam	Polavaram	186
135	Kotamma tank	Arugolanu	Tadepalligudem	187
136	Thimmavadapu Tank	Jaganadhapuram	Tadepalligudem	187
137	Pedda tank	Pragadavaram	Chintalapudi	188
138	Kotha Tank	Duddepudi	Bhimadolu	190

139	Pedda Tank	Tangellamudi	Eluru	192
140	Aswararaopeta vagu Tank I & II	Jeelugumilli	Jeelugumilli	195
141	Bendadi tank	Sivapuram	Chintalapudi	196
142	Vedanna tank	Gutala	Polavaram	198
143	Babukhan tank	Naguladevipadu	Denduluru	201
144	Venkatadri tank	Timmapuram	Dwaraka Thirumala	202
145	pedda Tank	Vegavaram	Denduluru	202
146	Dharmarayudu tank	Malakacherla	Denduluru	203
147	Yerra tank	Amberapet	Bhimadolu	205
148	Ravula tank	Koppaka	Pedavegi	206
149	Pedda tank	Badarala	Lingapalem	206
150	Pothuraju tank	Raghavapuram	Chintalapudi	207
151	Pedda tank	Pachanagaram	Lingapalem	207
152	Pattamma tank	Natchugunta	Unguturu	210
153	Anakalamma Cheruvu	Kondrapolu	Tadepalligudem	211
154	Khandrika tank	K.S. Ramavaram	Kamavarapukota	212
155	Kamaraju tank	Konijerla	Lingapalem	218
156	Somasamudram tank	Denduluru	Denduluru	220
157	Edula and Nandikunta tank	Kalrayanagudem	Lingapalem	222
158	Nandikunta tank	Vegiwada	Pedavegi	222
159	Nallamadu Tank	Yellamilli	Unguturu	223
160	Ura tank	Singagudem	Lingapalem	224
161	Tamara tank	Tirumalapalem	Jangareddigudem	228
162	Pedda Tank	Kadakatla	Tadepalligudem	234
163	Pedda tank	Bhogolu	Lingapalem	234
164	Ura tank	Mattamgudem	Lingapalem	236
165	Ankala tank	Parimpudi	Koyyalagudem	239
166	Andanala tank	Krishnampalem	Jangareddigudem	240
167	Devalla tank	Ketavaram	Jangareddigudem	243
168	Perareddi tank	Kannapuram	Koyyalagudem	244
169	Uta calva tank	Palakunta	Buttaigudem	250
170	Venkataraju tank	Koppaka	Pedavegi	251
171	Venkateswarlu tank	Ketavaram	Jangareddigudem	252
172	Papa tank	Gutala	Polavaram	256
173	Velagallamma Tank	Kuchimpudi	Pedavegi	256
174	Kamini tank	Kalaparru	Pedapadu	260
175	Kallepalli tank	Assannagudem	Lingapalem	263
176	Lothuvagu tank	Gowrampeta	Buttaigudem	270
177	Nadigattu	Pothunuru	Chintalapudi	272
178	Dondapadu tank	Chodimella	Eluru	277
179	Pedda tank	Nimmalagudem	Jangareddigudem	279
180	Rayudu tank	Chodimella	Eluru	279
181	Raju tank	Ammapalem	Jangareddigudem	282
182	Ura tank	Konijerla	Lingapalem	285

183	Challayamma tank	Pattisem	Polavaram	286
184	Venkamma tank	Raghavapuram	Chintalapudi	286
185	Veeraju Tank	Hukumpeta	Gopalapuram	287
186	Mondi kunta tank	Sivapuram	Chintalapudi	287
187	Chintala tank	Kothagudem	Denduluru	289
188	Desalavarikattu tank	Lashmudugudem	Buttaigudem	296
189	Narappa Tank	Tirumalampalem	DwarakaThirumala	297
190	Kodicalva	Rachuru	Buttaigudem	300
191	Gokinepalli tank	Gokinepalli	Pedavegi	303
192	Kopulakunta tank	Chintalapudi	Chintalapudi	311
193	Sayamma tank	Yerraguntapalli	Chintalapudi	312
194	Nallakunta tank	Koppaka	Pedavegi	312
195	Gandi Tank	Yernagudem	Devarapalli	314
196	Pedda tank	Pothunuru	Chintalapudi	314
197	Yerra tank	Sriramavaram	Denduluru	320
198	Bangaru Cheruvu Tank	Merrakagudem	Buttaigudem	321
199	Malamettavagu tank	Merakagudem	Buttaigudem	321
200	Rajugattu tank	Gutala	Polavaram	323
201	Kotha tank	Kokkirapadu	Pedapadu	325
202	Tamara tank	Denduluru	Denduluru	326
203	Gangolu tank	Gangolu	Gopalapuram	340
204	Ura tank	Jeelugumilli	Jeelugumilli	340
205	Ganapathigattu tank	Gutala	Polavaram	378
206	Dibbagudem	Dibhagudem	Jeelugumilli	378
207	Mallasamudram tank	Dharmajigudem	Lingapalem	378
208	Panakala tank	Akkampeta	Jangareddigudem	380
209	Hussainkhan tank	Koppaka	Pedavegi	382
210	Mavillamma tank	Epuru	Pedapadu	391
211	Venkatrapalem Tank	Veerammampalem	Tadepalligudem	394
212	Pedda tank	Sanigudem	Denduluru	394
213	Burruguvagu tank	Pragadavaram	Chintalapudi	395
214	Ura tank	Ganijerla	Chintalapudi	400
215	Kadiapu Tank	Kunchanapalli	Tadepalligudem	400
216	Bolalla tank	Koyyalagudem	Gopalapuram	409
217	Chinna Pedda Tank	A.Polavaram	Jangareddigudem	411
218	Madhavarapu tank	Settivarigudem	Chintalapudi	412
219	Bangarappa tank	Gopalapuram	Jeelugumilli	418
220	Kondasamudram tank	Yerraguntapalli	Chintalapudi	423
221	Arusu tank	Doramamidi	Buttaigudem	440
222	Panakala tank	Kanthampalerm	Chintalapudi	442
223	Kamaraju tank	Pinakadimi	Pedavegi	452
224	Vangoor tank	Vangoor	Pedavegi	461
225	Bhimudu tank	Parimpudi	Koyyalagudem	475
226	Pedda tank	T.C.R.Palem	Lingapalem	475

227	Sambasivuni tank	Taduvai	Jangareddigudem	481
228	Gopanna tank	Tadimalla	Nidadavolu	494
229	Narasimhasagar tank	Mallayagudem	Chintalapudi	497
230	Kotha tank	Bhimolu	Gopalapuram	520
231	Sitamma Ava Tank	Pothavaram	Nallajerla	549
232	Pedda tank	Bapirajugudem	Pedavegi	608
233	Hukumpeta tank	Saripalli	Koyyalagudem	610
234	Kothikunta Tank	Madhavaram	Tadepalligudem	610
235	Nadigattu tank	Mallayagudem	Chintalapudi	613
236	Kotha Tank	Jaganadhapuram	Tadepalligudem	660
237	Dunnapothulakattgu tank	Ketavaram	Jangareddigudem	662
238	Punta	R. Ganapavaram	Buttaigudem	702
239	Jammi tank	Makkinavarigudem	T.Narasapuram	709
240	Pedda tank	K. Gokavaram	Lingapalem	757
241	Pedda tank	Chintalapudi	Chintalapudi	760
242	Burugukunta karra tank	Saripalli	Koyyalagudem	766
243	Pedda tank	Bhimolu	Gopalapuram	770
244	Kanujulabandham tank	Mallayagudem	Chintalapudi	801
245	Kalyanarayudu tank	Yerraguntapalli	Chintalapudi	816
246	Lingasamudram tank	Endapalli	Chintalapudi	964
247	Pedda tank	Duggirala	Pedavegi	980
248	Pedda tank	Koppaka	Pedavegi	1054
249	Ava tank	Tyazampudi	Devarapalli	1134
250	Venkatadri tank	Raghavapuram	Chintalapudi	1154
251	Pedda tank	Vatluru	Pedapadu	1192
252	Maribandam tank	Sivapuram	Chintalapudi	1211
253	Kannasamudram tank	Munduru	Pedavegi	1231
254	Akkamma Rangapuram tank	Buttaigudem	Buttaigudem	1671
255	Ava tank	Tadimalla	Nidadavolu	1799
256	Kothuru tank	Polavaram	Polavaram	2000
257	Patha tank (Nandamuru Vijayasagar)	T. Narasapuram	T. Narasapuram	2226
258	Mutyalamma cheruvu	Uta Samudram	Chintalapudi	100
259	Chuttu Kunta	Duggirala	Pedavegi	135
260	Kothatank	Duddepudi	Bhimadolu	189
Grand Total				74616

Tanks Below 100 Ac 1144 Nos Ayacut 32501 Acres

List Of Commissioned L.I.Schemes:(Under APSIDC)

Sl. No.	Name of the Scheme	Mandal	Ayacut (Ac)
1	Arulla	T.P.Gudem	700
2	Pedatadepalli	T.P.Gudem	1000
3	Somavarappadu	Denduluru	334
4	Bandamcherla	T.Narasapuram	3000
5	Penumarru	Yelamanchili	2088

6	Thillapudi	Palakole	1000
7	Muthanaveedu	Pedavegi	130
8	Ravikampadu	Kamavarapu Kota	100
9	Maganti Varalakshmi Ravindranadh Chowdary L.I.Scheme	Denduluru	1448
10	Yerrakalava-I	T.Narasapuram	5000
11	Yerrakalava-II	T.Narasapuram	900
12	Tallamudi	Pedapadu	354
13	Kimaradevam	Kovvur	4650
14	VEgeswarapuram	Tallapudi	5840
15	Pydimetta	Tallapudi	4950
16	Polavaram	Polavaram	750
17	Chagallu	Chagallu	1300
18	Brahmanagudem	Chagallu	1200
19	Nidadavole	Nidadavole	600
20	Tootigunta	Polavaram	500
21	Singannapalli	Polavaram	500
22	Vadapalli	Polavaram	850
23	Kovvada	Buttaigudem	100
24	Cheeduru	Polavaram	100
25	Sivagiri	Polavaram	100
26	Gutala	Polavaram	2400
27	Gadidabore-I	Buttaigudem	125
28	Gadidabore-II	Buttaigudem	150
Total Acres			40558
(Or) Total Hectors			16425

1) List Of Ongoing L.I.Schemes: (Under APSIDC)

Sl.No	Name of the Scheme	Mandal	Stabilized Ayacut in Acres
1	Sirgalapalli-I	Yelamanchili	15709
	Sirgalapalli-II	Yelamanchili	
2	Kesavaram	Ganapavaram	
3	Mypa	Palakoderu	
4	Kopparu	Pedavegi	

ii) Administrative approval awaited

a) Rayakuduru I	: 810 Acres
b) Rayakuduru II	: 390 Acres

iii) Hydrological Clearance received

1)Gurugumilli I	Buttaigudem(M)	6844 Acres
2)Gurugumilli II		

- 3) Pattisam LIS Polavaram(M)
- 4) Bangarampeta

iv) Hydrological Clearance to be received

- 1)Bopanapalli
- 2)Kolanapalli 3029 Acres
- 3)Dodanapudi
- 4)Seasali

Ground Water Department Ground Water Scenario in West Godavari District.

Important Activities

- ⇒ Investigations for selection of well sites Wells for Irrigation (SCSP, TSP, WALTA etc.,) and Drinking Water.
- ⇒Environmental clearances like Sand Mining, Industries etc.,
- ⇒Estimation of Ground Water Resources.
- ⇒Drilling of Exploratory-cum-Production wells.
- ⇒Monitoring of water levels & Quality through network Observation wells & Piezometers.
- ⇒Implementation of APWALTA-Registration of Rigs.

Ground Water Profile:

A) General Information :

Natural Geographical Divisions	: Upland (53%),Delta (47%)
Predominant Hydrogeological Formations	: Alluvium (47%),Sandstones(35%),Hard Rocks (18%)
No. of Ground Water Structures in the District (as per 4th MI Census)	: 57,158

B) Ground Water Monitoring Network :

Sl.No.	Type of Network	No. of stations	Frequency of Observation
1	General Observation Wells	55	6 times in a year
2	APERP Wells (Delta)	23	6 times in a year
3	Hydrology Project Piezometers	68	12 times in a year
4	APERP Piezometers (Delta)	3	12 times in a year
5	Stream Flow Check Points	8	12 times in a year

C) Ground Water Potential in the District :

Dynamic Ground Water Resources(GEC-2010-11) Fresh water Poor Quality

Ground Water availability (Ha.m)	152303	140936
Ground Water utilization (Ha.m)	53996	509
Ground Water balance (Ha.m)	98307	140427
Stage of Ground Water Development (%)	35	0
Categorization	Safe	Safe

D) Ground Water Control and Regulation (GEC-2010-11):

No. of Ground Water Basins	43
Categorization	Basins Mandals
Over Exploited (> 100%)	0 0
Critical (>90 to <100%)	0 0
Semi-Critical (>70% to <90%)	0 0
Safe (< 70%)	43 48
No. of Notified OE Villages in the District	NIL

E) Depth to Water Levels During April, 2015 in the District:

Item	Minimum		Maximum	
	Location	WL (in m) bgl	Location	WL (in m) bgl
Region wise				
Upland	Buttayagudem(V) & (M)	4.91	Koyyalagudem II (V) & (M)	71.03
Delta	Palakoderu(V)/ (M)	0.79	Palacollu(V) & (M)	13.37

F) Water Level Fluctuation in the District:

Item	Average depth to water levels (in m)			Seasonal Fluctuation (in m)	Annual Fluctuation (in m)
	Apr,14	May, 14	Apr ,15	Rise/Fall	Rise/Fall
Region wise					
Upland	23.08	21.99	26.63	-4.64	-3.54
Delta	9.16	6.42	8.15	-1.73	1.01
District	16.63	15.98	18.27	-2.29	-1.64

- ○ **Major Projects**
 - Completed
 -
 - On Going
 -
 - Contemplated
 -
- **Medium Projects**
 -
 -
- **Minor Irrigation**
 - Completed

-
- On Going
-
- Contemplated
-

