

IRRIGATION PROFILE KARIMNAGAR DISTRICT

General Information:

MAP

This district lies in the following river basins as below

S.No.	Name of the Basin	% of area covered
1.	G-5, Middle Godavari Sub-Basin	50%
2.	G-6, Manair Sub-Basin	35%
3.	G-10, Lower Godavari Sub-Basin	15%
	Total	100%

The major amount of rainfall is during the South-West monsoon and / or North-East monsoon and the normal rainfall is 914 mm. The statistical data of the district Karimnagar is as follows.

1. Geographical Area	11885	Sq. Kms.
2. Population (2001)	32,69,743	
3. Culturable Area		
4. Forest Area	2.50	Lakh Ha.
5. Barren & Un Cultivable Area (2001)	0.83	Lakh Ha.
6. Land put to Non-Agricultural purpose (2001)	0.80	Lakh Ha.
7. Sown Area (2001)	3.65	Lakh Ha.
8. Irrigated Area (2001)	2.62	Lakh Ha.
9. Normal Rainfall (2003)	615.0	MM

Following are the details of Irrigation Projects benefiting the district

I.	COMPLETED	PROJECTS
A.	Major	Projects
1.	SRSP-STAGE-1	Project:

The SRSP, Stage-I, LMD Balancing Reservoir Project was constructed across the Manair River, which is a tributary to the Godavari River. The Project is located near the Karimnagar village, Karimnagar Mandal, Karimnagar District to irrigate a total ayacut of 5,42,900 acres in the Districts of 1. Karimnagar provides drinking water to Karimnagar Town.

The Project utilizes 24.034 TMC of the available water and the Reservoir Storage Capacity is 24.034 TMC (gross) and 21.938 TMC (net).

The Cost of the project is Rs.851.364 Crores (SSR of 1992-93 year) and the updated cost including improvements and modernization is Rs. 851.364 Crores

As on January month of 2004 year a total amount of Rs.1364.45 Crores has been spent towards modernization and rehabilitation and an Ayacut of 5,40,000 Acres has been established in the 35 Mandals, of Karimnagar District

An amount of Rs.175.00 Crores is provided for the year 2003 -04 to towards modernization.

B. Medium Irrigation Projects:

Sl.No	Name of the Project	Ayacut Created in Acres	Ayacut Utilised in Acres
1.	Boggulavagu Project	5150	4000
2.	Upper Manair Project	13088	8988
3.	Shanigaram Project	5100	3000
	Total	23338	15988

C. Minor Irrigation Projects:

Sl.No	Name of the Division	No.of Schemes	ayacut in acres
1.	Peddapalli Division :	168	42078 acres
2.	Jagtial Division :	241	79313 acres.
3.	Karimnagar Division :	212	57453 acres.
	Total	621 Nos.	178844 acres

L.I. Schemes

Under Irrigation (3 Nos.) and PSIDC (28 Nos.) Total 31 Nos. Schemes are existing (909+6106)=7015Acres.

II. ONGOING PROJECTS:

A. Major Projects

1.Flood Flow Canal Project:

The Flood Flow Canal Project from the foreshore of SRSP Reservoir is under construction across the Godavari River . The Project utilizes 20 TMC of the surplus water from SRSP reservoir.

The Project is located near the Mupkal village, Balkonda Mandal, Nizamabad District and is envisaged to irrigate a total ayacut of 2,20,000 acres in the Districts of 1.Karimnagar (1,30,000 Acres) 2. Warangal (60,000 Acres) and 3.Nalgonda (30,000 Acres).

The estimated cost of the project is Rupees 1331.30 Crores (SSR of 1992-93 year) and the revised cost is Rs.2610 Crores (SSR of 2003-04 year). As on 31st January month of 2004 year total amount of Rs.53.30 Crores has been spent since inception. The project is programmed to be completed by March, 2010 year.

The total land to be acquired is 38.400 acres and so far 1,000 acres is already acquired and the balance is programmed to be acquired by March Month of 2007 year.

An amount of Rs. 65 Crores is provided for the year 2003 -04 to provide irrigation to 2,20,000 acres and an amount of Rs. 34.30 Crores is spent as on 31.01.2004.

B.Medium Irrigation Projects:Nil

C.Minor Irrigation Projects:

Sl.No	Name of the Division	No.of Schemes	ayacut in acres
1.	Jagtial Division	1	724 acres.
2.	Peddapalli Division	1	300 acres.

D.L.I. Schemes (APSIDC):

S.No	Mandal Name	No of Schemes	Ayacut Contemplated	Estimated Cost	Programmed for completion
1	Mahadevpur	1	900 Acres	40.27 Lakhs	2004-05
2	Manthani	2	355 Acres	21.22 Lakhs	2004-05
	Total	3	1255	61.49	

III. CONTEMPLATED PROJECTS:

A. Major Projects:

GODAVARI LIFT IRRIGATION SCHEME:

1. Godavari Lift Irrigation Scheme was originally intended to divert and utilize 50 TMC of Godavari Water to irrigate about Five Lakh Acres in the upland areas covering parts of Warangal, Nalgonda, Karimnagar and Medak Districts.

2. M/s WAPCOS, a Government of India undertaking was entrusted with the work of detailed investigation and preparation of detailed project report and approval of CWC. After detailed study and investigation, considering the factors like total water availability, irrigable land, cropping pattern, method of irrigation four alternatives of Godavari Lift Irrigation Scheme were evolved duly considering the cost criteria, B.C. Ratio, I.R.R. etc., After the detailed examination of techno economic evaluation of the four options by the working group in detail and after detailed deliberations, it was recommended to adopt the B1 alternative. The Scheme (Alternative B1)was also examined at Government level and the proposed alternative is accepted in principle.

3. Accordingly the B1 alternative having a total length of water conductor System of about 182 Kms. And to utilize 70 Cumecs (36.9 TMC) and to irrigate an area of 2.62 Lakh Ha.(6.47 lakh acres) covering 33 Mandals(Warangal –1,79,717 Ha in 18 Mandals, Nalgonda – 60,485 Ha in 8 Mandals, Medak – 15,458 Ha in 4 Mandals, Karimnagar – 6003 Ha in 3Mandals) with 5 No.s of WCS at an estimated cost of 5216 Crores (As per DPR).

The final alignment of the W.C.S. as recommended is connecting Intake to Bhim Ghanpur – Ramappa – Salivagu – Nagaram to Dharama Sagar – Ghanpur R.S. and finally to Peddachervu, and Aswaraopally.

The CWC has accorded 'In Principle Consent' for preparation of detailed project report vide letter No.6/235/2001/PkA(S)/558, dated:23-05-2003.

It is proposed to take up this Scheme in 2 Stages from intake point Gangaram(V) to Station Ghanpur Tank connecting Bhimghanpur tank, Ramappa Lake, Salivagu, Nagaram Tank and Dharmasagar Tank enroute is treated as Stage-I and beyond Station Ghanpur Tank up to Aswaraopally tank and Peddachervu is treated as Stage-II. The water conductor system is consisting of 5 pipelines to carry 70 Cumecs of water with 10 pumps at each Pumping Station.

Initially One pipe line with two pumps to carry about 10 Cumecs of Water to irrigate about 1.23 lakhs acres covering 10 Mandals(Warangal 8, Karimnagar 2) is proposed to be taken up immediately and this is treated as Phase-I of Stage-I.

Tenders have been finalized and the work is entrusted to M/S HCC- KBL J.V . for an amount of Rs. 843,97,60,745/- Crores. The Agreement is concluded on 08-01-2004. The works is grounded on 22-01-2004 and the work is in progress.

2. INCHAMPALLY:PROJECT:

The Detailed Project Report of Inchampally Project with FRL + 112.770 M was sent to C.W.C., Govt. of India, members states during October-1998. The Project report was not cleared by the Ministry of Environment and Forests, Govt. of India, because of extensive loss of reserved forest, rich in FLORA & FAUNA due to submergence. The C.W.C. suggested to go initially for reduced FRL +95.00 M to avoid heavy submergence and interstate implications until a mutually agreed scope of the dam is finalized by the states involved for mutual advantages.

1. During the Godavari Water Utilization Authority meeting convened by Hon'ble Chief Minister on 11-02-2001, the I & CAD Department was advised to finalise the Project report for FRL + 95.00 M for sending same to the High level committee and co-basin states for their concurrence. The "TASK FORCE" inspected the Inchampally Project site on 07-04-2001 and discussed on the aspects of the Project on 08-04-2001 at Warangal. The estimates of Head Works and Canals have been prepared. The A.P.GENCO has been requested to furnish the decisions / designs of power house and power generation particulars and the particulars are awaited from A.P.GENCO. The EIA, EMP and R & R particulars are also awaited from EPTRI, Hyderabad. Detailed Project Report of the Inchampally Project with FRL + 95.00 M would be finalized soon after the receipt of the reports from A.P.GENCO & EPTRI. Proposals for constituting Joint Control

Board of concerned states are recommended by High Level Committee for resolving inter state aspects is under consideration.

The Estimated cost of Inchampally Project with FRL + 95.00 M with SSR of 1999-2000 is worked out to Rs.3597 Crores to irrigate an ayacut of 1,57,000 Acres in Karimnagar, Warangal and Khammam Districts and also there is provision of water for 4.40 lakh acres by lift to SRSP Stage-II ayacut.

3. YELLAMPALLYBARRAGE:

The Project is proposed to construct across the river Godavari (V) Yellampally (M), Karimnagar District at an estimate cost of Rs. 5,300 Crores to create an I.P. of 4.98 Lakhs acres in the District of Adilabad (0.58 Lakhs Acres) Warangal, Khammam (4.40 Lakhs Acres). The detailed investigation of the Project is completed and programmed to be completed by September month 2008 year. The required clearances and Land Acquisition are expected to be completed by March, 2005.

B. Medium Irrigation Projects: Nil

C. Minor Irrigation Projects:

14 (Nos.) Schemes are contemplated for benefiting an ayacut of 6980-17 acres.

Sl.No	Mandals	No of Schemes	Ayacut Contemplated	Estimated Cost	Programmer for completion
1.	Korutla	1	291-00	82.20	2004-05
2.	Raikal	1	46-17	6.50	2004-05
3.	Jagtial	1	250-00	68.00	2004-05
4.	Kathalapur	1	4000-00	998.00	2005-06
5.	Ellanthakunta	3	733-00	177.89	2004-05
6.	Gambhiraopet	1	200-00	52.00	2004-05
7.	Maidpally	1	160-00	74.34	2004-05
8.	Sircilla	1	1050-00	20.00	2004-05
9.	Kodimial	1	250-00	58.00	2004-05
10.	Manthani	1	750-00	173.00	2005-06
11.	Dharmaram	1	400-00	85.00	2004-05
12.	Velgatoor	1	240-00	72.70	2004-05
Total		14	9625-17	1928.25	

D.I.I. Scheme (APSIDC) :

1	Thimmapur	1	600-00	189.00	2004-05
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IV

Sl.No	Source of Funding	Peddapalli	Jagtial	Karimnagar	IDC	Total
1.	APERP					
2.	APHM & ECRP					
3.	APERP-MI-MR	19	48	52		119
4.	APSIDC				4	4
5.	BREACH CLOSING WORKS	22	2	2		26

V DETAILS OF BUDGET & EXPENDITURE 2002-2003:

Sl.No	PROJECT	SOURCES OF FUNDING	BE	EXPENDITURE
I.	M.I.	Nabard		
1.	Peddapalli		0.227	0.14
2.	Jagtial		0.81	0.39
3.	Karimnagar		1.85	0.60
II.	M.I.	State Plan		
1.	Peddapalli		2.85	1.00
2.	Jagtial		1.14	0.22
3.	Karimnagar		1.39	0.24
III.	M.I.	APERP		
1.	Peddapalli		0.837	0.4251
2.	Jagtial		1.370	0.860
3.	Karimnagar		1.030	0.490

BREACH CLOSING WORKS

Out of 26 no of breaches occurred, 24 no of breaches are closed at a cost of Rs.308.00 and balance are programmed to complete by June 04.

SCP

4 No of schemes, costing Rs.165.65 Lakhs are proposed to be taken up under SCP to benefit an ayacut of 665 acres.

VI TOTAL INVESTMENT MADE ON THE IRRIGATION PROJECTS/SCHEMS SINCE INCEPTION/ INDEPENDENCE IS AS FOLLOWS:

Sl.No	Division	Amount in Crores	Remarks
1.	Peddapalli	2.523	11.12.2001 to 03/2003
2.	Jagtial	1.470	-do-
3.	Karimnagar	56.61	1975 - 2003

List of districts in Telangana Adilabad, Karimnagar, Nizamabad, Warangal, Khammam, Medak, Rangareddy, Nalgonda, Mahabubnagar, Hyderabad. Out of these, Karimnagar, Nizamabad, Medak, Khammam, Hyderabad, Rangareddy cannot be categorized as backward districts.