

INDUSTRIAL PROFILE

WARANGAL DISTRICT

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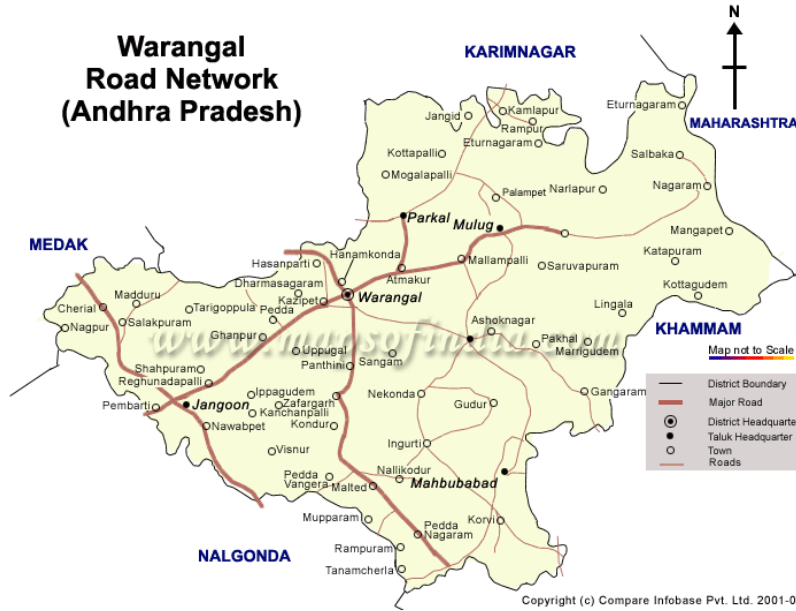
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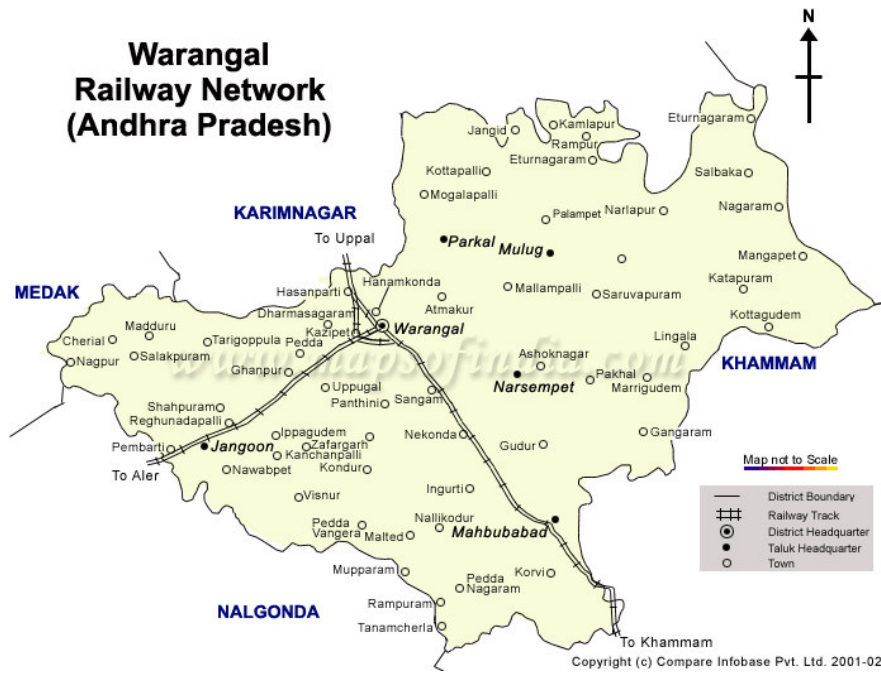
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Warangal Road Network (Andhra Pradesh)



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Background:

Warangal, one of the 10 districts of Telangana region of Andhra Pradesh, is a place with a great historic past. It is the seat of the Vishnukundins and Kakatiya dynasties that ruled the region as early as pre-Buddhist period. Originally known as Orugallu – meaning a solitary cliff – Warangal was the capital of the Kakatiyas who have left their indelible stamp in the form of awe-inspiring architectural wonders. The Warangal Fort, the Thousand Pillar Temple, Ramappa Temple and Bhadrakali temple are fine remnants of the glorious bygone era. After the downfall of the Kakatiyas, the region was ruled by the Qutub Shahis, and the Nizam.

Geographic location:

Warangal district lies between 17° 19' & 18° 36' N latitude and 78° 49' & 80° 43' East longitude.

The district is bounded by Khammam district of AP on the East, Karimnagar district on the North, Nalgonda on the South and Medak on the West. River Godavari serves as border on one side. The District Headquarters is Warangal, which lies about 150 Kms away from the Capital city of Hyderabad.

Area:

The geographic area of the district is 12834 Sq.Kms.

Topography:

The topography of the district consists of isolated hills, rain fed tanks, lakes and shrubby forests. River Godavari forms the North Eastern border of the district, but is not yet tapped for irrigation. The major soil types found in the district are red chalka (55%), black cotton soil (22%), loamy soil (14%), and sandy loams (9%).

Climate:

The climate in Warangal district is generally dry. Summers are hot, with mercury sometimes touching 50°C. The temperature dips to 13°C in winters, during the months of December and January.

Rainfall:

Warangal district receives maximum rainfall through the South – West monsoon, during the months of July, August and September. Normal annual rainfall is 994 mm. The areas of Cherial, Maddur, and Bachannapet receive only upto 750 mm rainfall and are classified as dry areas. Maximum rainfall is received in Mulug, Parkal, Mahabubabad and Narsampet Mandals. However, during the year 2002, many areas in the district have been facing drought related problems. Rainfall received during the year 2001-2002 was only 820 mm. Rainfall received upto November 2002 was just 622 mm.

Demographic particulars:

As per 2001 Census, the total population of the district is 32.31 lakhs, constituting 4.26% of the State's population. The following table gives the demographic particulars of the district.

S.No.	Category	Population
1	Total population	32.32 lakhs
2	Density of population	252 persons per Sq.Km. AP State – 275 persons per Sq.Km.
3	Rural population	26.54 lakhs
4	Urban population	5.77 lakhs (2 towns)
5	Male population	16.38 lakhs
6	Female population	15.93 lakhs
7	Decadal growth rate of population	14.63 (AP State average – 13.86)
8	Literate population	16.33 lakhs
9	Male literacy rate	70
10	Female literacy rate	46.54 (average literacy rate of District: 58.41, State rate – 61.11)
11	SC population (1991 census)	4.85 lakhs (17.19%)
12	ST population (1991 census)	3.85 lakhs (13.67%)

Occupational Pattern:

The occupational pattern in the district (as per 2001 census) is as follows:

Occupation	No. Figures in lakhs	% to total population
Total Population	32.31	100
1. Total Main workers	12.71	39.3

2. Marginal workers	2.91	9
Total workers (Main + Marginal)	15.62	48.3
Non workers	16.69	51.7
3. Total cultivators	4.64	(29.7% of total workers)
4. of which SF / MF	3.85	
5. Agricultural labourers	6.04	2.28 (38.7% to workers)
6. Household industries	0.75	(4.8% to total workers)
7. Other workers	4.18	(26.8% to total workers)

Resources:

AGRICULTURAL RESOURCES:

In our district it is notable that 81% of the populations live in rural areas and their main activity is agriculture. The farm machinery and improved implements have a major role in timely cultivate operations i.e., preparation of tilling, sowing, harrowing etc., to cover more area in short time with less expenditure and to avoid labour problems.

HORTICULTURE:

Mangoes:

Mango is major horticultural produce of Warangal district. Mangoes are grown over an area of 15,000 Ha in Mahabubabad, Maripeda, Korivi, Raiparthi, Wardhannapet, Jangaon, Palakurthi, Stn.Ghanpur, Dharmasagar, Parvathagiri and Kodakandla Mandals. Production of mango during 2001-02 was 32,430 MT. Department of Horticulture provides good quality grafts to farmers. The district has 1,90,000 Ha of fallow land and 33,000 Ha of cultivable waste which can be utilized for development of horticulture.

Banana:

Banana is grown over an area of 837 Ha in Athmakur, Parkal, Shayampet, Chityal, Parvatagiri, Geesugonda and Mogullapalli. Production in 2001-02 was above 25000 MT. Department of Horticulture is popularizing cultivation of Banana by tissue culture instead of suckers.

Sweet Orange:

Sweet orange is grown over an area of 871 Ha in Wardhannapet, Jangaon, Stn.Ghanpur and Dharmasagar Mandals. Production during 2001-02 was 5,600 MT. Other fruits grown in the district are Acid Lime, Sapota, Guava, Papaya, Custard Apple, Water melon, etc.

Vegetables:

Major vegetables grown in the district are tomato (over an area of 1331 Ha, production in 2001-02 was 26,620 MT), Bhendi (over an area of 1192 Ha, production during 2001-02 was 14000 MT), Brinjal (over an area of 620 Ha, production during 2001-02 was 13000 MT), etc. in the areas of Hanamkonda, Hasanparthi, Athmakur, Sangem, Wardhannapet, Geesugonda, Dharmasagar, Duggondi and Mahabubabad.

AREA UNDER HORTI. CROPS 2005-06 (UPTO NOVEMBER-2005)

SL. No	Crop	Normal Area(Ha.)	Area (in Ha.)	Productivity (Mis/Ha.)	Expected Production(Mis)
I.	FRUIT CROPS:				
	Mango	18363	19890	5	99450
	Sweet Orange	711	948	8	7584
	Acid lime	331	407	7	2849
	Sapota	13	14	7	98
	Guava	228	160	8	1280
	Papaya	220	338	80	27040
	Ber	20	27	5	135
	Seethaphal	236	331	3	993
	Banana	465	1180	40	47200
	Amla	25	62	30	1860
	Total (Fruits)	20612	23357		188489
II	SPICE CROPS:				
	Chillies	18970	3614	2	7228
	Turmeric	8934	7390	6	44340
	Tamarind	9	9	12	10.8
	Onion	400	274	20	5480
	Total (Spices)	28313	11287		57058.8
III	VEGETABLES:				
	Tomato	1213	164	20	3280
	Bhendi	517	478	12	5736
	Brinjal	375	95	21	1995
	Beans	200	51	8	408

	Cluster beans	120	122	7	854
	Battleground	110	108	15	1820
	Battleground	115	114	20	2280
	Ridge ground	145	128	16	2016
	Coccidian	54	47	12	584
	Palak	162	41	6	246
	Amaranthus	48	22	6	132
	Coriander (leaf)	52	25	6	150
	Pudina	13	18	4	72
	Fenugreek	8	17	6	102
	Gr.Chillies	156	62	21	1302
	Cabbage	76	92	22	2024
	Cauliflower	82	74	10	740
	Carrot	68	64	12	768
	Total (Veg.)	3514	1720		24289
IV	FLOWER CROPS:				
	Jasmine	12	24.8	2.3	57.04
	Rose	16	17.6	1.2	21.12
	Crossandra	0	3	0.6	1.8
	Lilly	0	0.8	6	4.8
	Marigold	6	9.8	8	78.4
	Total (Flowers)	34	56		163.16
V	MEDL. & AROM.CROPS				
	Lemon Grass	8	8	50	400
	Citronella	2.5	2.5	40	100
	Safed musli	6	6	0.9	5.4
	Annatto	24	24	0.8	19.2
	Total (M&AC)	40.5	40.5		524.6
	GRAND TOTAL:	52513.5	36460.5		270524.6

Chillies:

Chillies are cropped over an area of 28,000 Ha in the district. Production of chillies in 2001-02 in the district was 44,826 MT. Chilli growing areas are Chityal, Maripeda, Korivi, Nellikuduru, Mahabubabad, parkal, Regonda, Mogullapalli, Athmakur, Mulug, Ghanpur, Mangapet, Eturnagaram, Narsampet, Nekkonda, Duggondi, Nallabelli, and Chennaraopet. Tomato chilli, also called 'chappatta', is

grown in areas of Narsampet, Parkal, Nallabelli, Bhupalpalli, Mogullapalli, Mulug, Eturnagaram, Mangapet and Duggondi.

Turmeric:

Turmeric is grown over an area of 6800 Ha in the mandals of Kesamudram, Nellikuduru, Athmakur, Hasanparthi, Parvathagiri, Narsimhulapet, Maripeda, Nallabelli, Duggondi, Nekkonda and Mahubabad. Production during 2001-02 was 41,388 MT. Other spices grown in the district are coriander, ginger, garlic, onion and Annato.

FLORICULTURE:

Major flower crops grown are Rose (6.7 Ha) and jasmine (10.3 Ha) with a production (in 2000-01) of 8.04 MT and 23.69 MT respectively. They are mainly cultivated in Warangal, Hanamkonda, Wardhannapet, Geesugonda and Hasanparthi.

Aromatic and Medicinal plants:

Cultivation of medicinal and aromatic plants is being promoted in the district. Citronella (grown over an area of two Ha, production in 2000-01 was 30 MT) and Lemon grass (grown over an area of 1.5 Ha, production in 2000-01 was 18 MT) are grown in Warangal, Thorrur, Kesamudram, Athmakur and Narsampet areas.

Silk Weaving:

Skilled Weavers of Bachannapet are being exploited by middlemen. They are supplied raw material by master craftsmen on a buy back arrangement. Here, establishment of a raw material supply center with credit support by banks may be thought of Marketing support to these weavers would go a long way in promoting the cluster. There is no Tussar silk reeling unit or weaving unit. These may be promoted among Tribals and other weaker sections of the Society.

MINERAL RESOURCES:

Major minerals available in the district are laterite, dolomite, coal, clay, black granite and limestone, besides sand.

The occurrences of major and minor minerals in various mandals of the district is as given under:

Sl.No.	Mandal	Minerals available	
		Major	Minor
1	Chityal	Laterite, Dolomite	Limestone, granite useful for stone and metal
2	Mogullapally		
3	Bhupalpally	Coal	Granite useful for stone and metal, sand
4	Parkal	Lime Kankar	
5	Shayampet		Granite useful for stone and metal
6	Regonda		Granite useful for stone and metal
7	Mulug	Laterite, dolomite, clay	Granite useful for stone and metal
8	Ghanpur (Mulug)	Coal	Granite useful for stone and metal
9	Venkatapur	Coal	Granite useful for stone and metal
10	Govindaraopet		Sand stone
11	Eturnagaram		Sand
12	Tadvai		Sand Stone, sand
13	Mangapet		Sand
14	Gudur		Black granite
15	Khanpur		
16	Kothaguda	Clay	
17	Narsampet		Granite useful for stone metal
18	Nallabelli		
19	Chennaraopet		Sand
20	Duggondi		Black granite
21	Nekkonda		Black granite
22	Hanamkonda		Black granite, colour granite, granite useful for stone and metal
23	Hasanparthy		Colour granite, granite useful for stone metal
24	Athmakur		Black granite, granite useful for stone and metal
25	Geesugonda		Black granite
26	Sangem		Black granite, granite useful for stone and metal

27	Ghanpur (Station)	Amethyst Quartz	Black granite, granite useful for stone and metal
28	Dharmasagar		Black granite, granite useful for stone and metal
29	Zaffergadh		Black granite, sand
30	Cherial		Black granite, granite useful for stone and metal
31	Backannapet		Sand
32	Narmetta		Black granite, sand
33	Maddur		Sand
34	Wardhannapet		Black granite, granite useful for stone and metal
35	Parvathagiri		Black granite, and sand
36	Raiparthy		Black granite, colour granite and sand
37	Jangaon		Black granite, granite useful for stone and metal
38	Raghunathpally		Black granite
39	Lingala Ghanpur		Sand, granite, useful for stone and metal
40	Kodakandla		Black granite
41	Palakurthy		Granite used for stone metal
42	Devaruppala		Sand
43	Maripeda		Black granite, Sand
44	Narsimlapet		Black granite, sand
45	Thorrur		Black granite, granite useful for stone and metal
46	Mahabubabad		Black granite, granite useful for stone and metal
47	Korivi		Black granite
48	Dornakal		Black granite, granite useful for stone and metal
49	Nellikudur		Black granite, sand
50	Kesamudram		Black granite, granite useful for stone and metal

Infrastructure:

EXISTING INDUSTRIAL ESTATES / INDUSTRIAL DEVELOPMENT AREAS:

There are 2 Industrial Estates in the district located at Warangal and Jangaon, Almost all plots, sheds and shops developed are allotted to the entrepreneurs. The details of Area, Sheds constructed, Vacancy position is given here under:

Sl No	Industrial Area/ Industrial Estt.	Total Area (in Acres)	No.of Developed		No. of Allotted		No of. Vaccants	
			Plo ts	shed s	Plot s	she ds	Plot s	she ds
1	Indl.Estate, Warangal	25.77	31	41	31	41	--	--
2	Indl.Estate, Jangaon	30.00	45	01	45	01	--	--
3	Autonagar, Warangal	18.72	--	18	--	18	--	--
4	IDA Rampur	189.10	240	31	108	30	132	01
5.	IDA Madikonda	183.00	--	104	--	104	--	--

LAND RATES FOR INDUSTRIAL ESTATES:

Sl. No.	Name of the I.E. / I.D A	Cost in Rs. Per Sq.Mtr
1	Industrial Estate, Warangal	Rs.1200/-
2	IDA Rampur	Rs. 75/-
3	Indl. Estate, Jangaon	Rs. 250/-
4.	Indl. Estate, Jangaon (Expansion)	Rs. 200/-

Power Supply:

It is to submit that the Power Supply position in the district is generally satisfactory. The agriculture sector is supplied 3-Ph power in two groups as follows:

Group – I-04:30 Hrs to 11:30 Hrs } Lighting supply given from 18:30 to
Group – II-11:30 Hrs to 18:30 Hrs } 05:00 Hrs to all domestic consumers.

Sub-stations:

220/132 KV Sub-stations:	2 Nos.	11 KV Rural Feeders :	410 Nos.
132/33 KV Sub-stations :	9 Nos.	11 KV MHQ Feeders :	48 Nos.
33/11 KV Sub-stations :	137 Nos.	11 KV Urban Feeders :	60 Nos.

Energy Quota:

Quota allotted in Nov-05 per day	:	5.447 MU
Actual consumption per day (Average)	:	4.785 MU

Distribution Transformers:

DTRs rolling stock	:	368 Nos.
Rolling stock available at each Sub-division	:	24 Nos.
Time taken for replacement of failed DTR in urban	:	4 Hrs, rural : 24 hrs.
Rate of failure per day	:	08 Nos. (Approx.)

Construction activities:

- a) Under progress Sub-stations:
132/33 KV SS at Narsampet and Mulug.
- b) To be taken Sub-station:
12 Nos. 33/11 KV SS at Warangal town (KUC Ring Road), Namiligonda, Cheenur, Khanapur, Peddamupparam, Munigalaveedu, Shanigapuram, Upparapalli, Lingagiri, Thegalaveni, Damera, Peddapur.
- c) Additional Distribution transformers:
APDRP Scheme provision for erection 100/25/16/ KVA DTRs: 2010 Nos.
Erected and commenced 100/25/16/ KVA DTRs : 1992 Nos.
- d) High Voltage Distribution System:
APDRP Scheme provision for erection 25/16/ KVA DTRs : 4500 Nos.
Erected and commenced 25/16/ KVA DTRs : 2895 Nos.
- e) Rural Electrification programme:
Target for Electrification of Tribal Habitations & Dalithbasthis: 975 Nos.
Electrified Tribal Habitations & Dalithbasthis. : 532 Nos.

220 / 132 KV Substations:

1. 220 / 132 KV WARANGAL.
2. 220 KV WADDEPKOTHAPALLY

132 / 33 KV Substations:

1. 132 KV WADDEPALLY
2. 132 KV GHANPOOR
3. 132 KV RAGHUNATHPALLY
4. 132 KV MUSTIAL
5. 132 KV WARDHANNAPET

6. 132 KV NEKKONDA
7. 132 KV AYYAGARIPALLY
8. 132 KV GHELPUR
9. 132 KV KAMALAPUR

Express Feeders

Sl. No.	Name of the Substation	Name of the Feeder	220/132/ 33/11 KV
1	220 / 132 KV Manuguru	A.P. Rayons	132 KV
2	132 / 33 KV Chelpur	Bhoopalpally	11 KV
3	33 / 11 KV R.E.C.	R.E.C.	11 KV
4	33 / 11 KV R.E.C.	W.W.W.	11 KV
5	33 / 11 KV R.E.C.	R.E.C. Railways	11 KV
6	33 / 11 KV R.E.C.	H.T. Doordarshan	11 KV
7	33 / 11 KV R.E.C.	H.T. Rudramamba	11 KV
8	33 / 11 KV Pothana	M.G.M.	11 KV
9	33 / 11 KV Pothana	H.T.C.	11 KV
10	33 / 11 KV Chinthagattu	KITS	11 KV
11	33 / 11 KV Arepally	Lamansion	11 KV
12	33 / 11 KV Arepally	Arepally Indl.	11 KV
13	33 / 11 KV Geesugonda	HT & RCI (Indl.)	11 KV
14	33 / 11 KV Panthini	HT (Indl.)	11 KV
15	33 / 11 KV Madikonda	HT (Indl.)	11 KV
16	33 / 11 KV Mahabubabad	Gundrathimadugu	11 KV
17	33 / 11 KV Narsampet	Maheshwaram	11 KV
18	33 / 11 KV Narsampet	Industrial	11 KV

TOURISM:

Discover the age old Capital of Kakatiya Kingdom, the legendary City of Warangal, located about 157kms from Hyderabad, lies the 5th biggest City in the State. Though the war-lie Kakatiya dynasty of Andhra ruled for only 150 years, their 700 years old creations still evoke wonders. The real beauty of temples located in this arena lies in the jewel-like precision of its light-diffusing screens and carvings. True to its name this city was destined to stand like a solid rock, 'Eka Shila Nagaram' as it is called, and then transformed as Warangal. The City was a mute witness to rise and fall of many Kingdoms with a rich historic past. This land was home to several illustrious rules and all the dynasties which ruled this area left their mark which withstand the revages of turbulent times like a towering monuments enriched by a proud cultural heritage and traditions. Warangal's glorious history,

beautiful lakes, fine architectural temples, rich flora and fauna have contributed to its importance

PLACES OF TOURIST IMPORTANCE IN AND AROUND WARANGAL:

- | | |
|--------------------------|-------------------|
| ➤ Thousand Pillar Temple | Bhadrakali Temple |
| ➤ Warangal Fort. | Pakhal Lake |
| ➤ Khush Mahal | Ramappa Lake |
| ➤ Ramappa Temple | Eturnagaram. |
| ➤ Cherial. | Pembarti |

OTHER ATTRACTIONS OF WARANGAL CITY:

Prataparudra Planetarium, kakatiya Musical Garden, Rock Garden, Archeological Museum, Samskruitika Vihar and Lakkavaram Lake.

Industrial Scenario:

The District has 5 Large and Medium Industries in Paper, Coal Mining, Granite Slab Polishing and Rice Bran Oil with in investment of Rs.833 Crores. Major Industries in the District are Singareni Collieries Ltd, Ballapur Industries Ltd, Lamansio Granites, Sri Venkateshwara Solvents Oil P Ltd.

Large & Medium Scale Industries existing in the District are

SI No.	Name of the unit	Product	Capacity	Investment Rs.in Lakhs.	Emp.
1.	M/s.Ballapur Industries Ltd., (AP.Rayons Ltd.), Kamalapur.	Rayons Pulp grade	33000 TPA	30,000	932
2.	ABK Publications Ltd., Opp: MGM Warangal.	News Paper Printing	--	101.00	30
3.	M/s.Venkat Narsimha Solvent Oils (P) Ltd.,Nakkalapally,Wgl.	Solvent Extraction	30 TPA	397.00	107
4.	Bashir & Co. Desaipet, Warangal.	Leather Tanning	1000 Pcs per day	3.00	64

In Warangal District there are (46) Primary Handloom Weavers Coop. Societies including (5) Wool Weavers Coop. Societies, of which (30) societies are working / intermittently working.

Sl. No.		Coop. Fold	Outside Coop.fold	Total
1	No.of Weavers in the District	6843	10031	16874
2	No.of Identity Cards issued	6843	10031	16874
3	No.of Weavers Coop. Societies	TOTAL		WORKING
	A) Handlooms	41		30
	B) Wool	05		--
	C) Powerlooms	22		--
	D) Others if any	--		--
	E) Garments	01		01
	F) House Building	01		--
	G)Hank Yarn Seizing Coop.Society	01		--

Various Development Schemes and Welfare Programmes are being implemented for the welfare of weavers.

Mini Textile Park:

The Govt. of Andhra Pradesh desired for setting up of Mini Textile Park in the (30) acres of land pertaining to Azam Jahi Mills at Warangal with a view to provide employment to above (4000) people particularly from weavers families and also decided to provide houses to the weavers and workers to be employed in the Park, which will be taken up by the A.P. Housing Board.

Further, the A.P. Housing Board has purchased 65.69 acres of land at a price of Rs.18.00 Crores. Out of 65.69 acres of land, 30 acres land will be handed over by the A.P. Housing Board to the Asst. Director of Handlooms and Textiles, Warangal. The value of the land to be used for Textile Park Rs.9.00 Crores (approximately) will be adjusted against the loan amount repayable by the A.P. Housing Board to the State Government.

After handing over the land by the A.P. Housing Board, Warangal to the Department of Handlooms and Textiles, the remaining process for establishment of Mini Textile Park will be commenced.

Investment Opportunities

1. Agro Based Industries:
 - a) Rice Cakes
 - b) Oleo Resins
 - c) Rice Bran Oil
2. Textile:
 - a) Cotton Ginning / Bale Pressing
 - b) Spinning Mills
3. Mineral based industries:
 - a. Coal washery
 - b. Crockery Stoneware
 - c. Steel Re-rolling
 - d. Sponge Iron
 - e. Iron Ore processing

New Projects Coming-up:

		Investment (Rs. In Laks)
❖	M/s. Rampur Leather Infrastructure Development Ltd., Rampur (V), Dharmasagar (M), Warangal Dist.	Finished Leather for CETP PLANT 1193
❖	APGENCO Ltd., - IX 500 MW, Bhoopalapally Thermal Poser Station, Warangal Dist 040 - 23324759.	Power Generation 210322
❖	Wardhannapeta Mahila Paraspara Sahayaka Pala Utpathidarula Parimita Samithi, Sy.No.360, Ellandha (V), Wardhannapeta (M), Warangal Dist.	Milk, Milk Products 490

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