



**Government of India
Ministry of MSME**

**Brief Industrial Profile of CHITTOOR District
Andhra Pradesh**



सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES

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Brief Industrial Profile of Chittoor District

1. General Characteristics of the District

Chittoor district is a part of Rayalaseema and lies in the extreme south of Andhra Pradesh. There are no perennial rivers in the district. Pilgrim centres. Tirupati, Kalahasti are in the district. It is covered with Red loamy soil 57%, red sandy 34% and remaining black soil. The summer temperature touches 46 degrees and winter temperature ranges from 12- 18 degrees C. Normal rain fall is 918 mms.

1.1 Location & Geographical Area.

Chittoor district is located between 12.37 to 14.8 Northern latitude and 78.3 to 79.55 eastern longitude. The geographical area is 1515100 hectares.



1.2 Topography

It is bounded on the north by Ananthapur and Cuddapah districts, on the east by Nellore district, and Chengalput district of Tamilnadu, on the west by Kolar district of Karnataka. There are uplands in Madanapalli mandal. Horsley hills are located at a height of 4326 feet above sea level.

1.3 Availability of Minerals.

The district is not richly endowed with minerals. Only low-grade steatite, quartz, soap stone, Grate road metal ,building stones, and Granite (in different colors of Black, Pink and Grey) are found in small quantities .

PRODUCTION OF MINERAL 2010-11

S.NO.	NAME OF MINERAL	PRODUCTION in tones 2010-2011
MAJOR MINERAL		
1.	nil	
MINOR		
1.	Quartz	2821

Source:- dept. of mines & geology.,

1.4 FOREST

31% of total geographical area is under forest. The principal forest produce are timber, fuel, beedi leaves , soap nuts and tamarind.

1.5 Administrative set up.

The district is divided into 3 revenue divisions Chittoor, Tirupathi and Madanapalli and there are 66 mandals.

2. District at a glance

S.No	Particular	Year	Unit	Statistics
1	Geographical features			
(A)	Geographical Data			
	i) Latitude			12.37-14.8
	ii) Longitude			78.3-79.55
	iii) Geographical Area		Hectares	1515100
(B)	Administrative Units			
	i) Sub divisions			3
	ii) Tehsils			66
	iii) Sub-Tehsil			
	iv) Patwar Circle			
	v) Panchayat Simitis			
	vi)Nagar nigam			1
	vii) Nagar Palika			7
	viii) Gram Panchayats			1399
	xi) Revenue villages			1529

	x) Assembly Area			
2.	Population			
(A)	Sex-wise			
	i) Male	2011		20,83,505
	ii) Female	2011		20,86,963
(B)	Rural Population	2011		29,41,581
(C)	Urban population	2011		12,28,887
3.	Agriculture			
	i) Total Area	2010-11	Hectare	1515100
	ii) Forest cover	2010-11	“	452018
	iii) Non Agriculture Land	2010-11	“	155845
	v) Barren land	2010-11	“	154389
	v) Culturable waste			46095
	vi) Pmt. Pastures			33371
	vii) Misc tree crops			29496
	viii) other fallow			120963
	ix) current fallow			143651
	x) Net area sown			379272
4.	Forest			
	(i) Forest	2010-11	Ha.	452018
5.	Livestock & Poultry			
A.	Cattle			
	i) Cows	2007	Nos.	1103656
	ii) Buffaloes	2007	Nos.	139759
B.	Other livestock			
	i) sheep			1124890
	ii) Goats	2007	Nos.	490931
	ii) Pigs	2007	Nos.	7208
	iii) Dogs & Bitches	2007	Nos.	96705
	iv) Poultry			143983793
	iv) Railways			
	i) Length of rail line	2010-11	Kms	
	V) Roads			
	(a) National Highway	2010-11	Kms	609
	(b) PWD	2010-11	Kms	4366
	(c) Panchayat raj	2010-11	Kms	7782
	(d) Other district & Rural Roads	2010-11	Kms	
	(e) Rural road/ Agriculture Marketing Board Roads	2010-11	Kms	
	(f) Kachacha Road	2010-11	Kms	
	(VI) Communication			
	(a) Telephone connection	2010-11		92210

(b) Post offices	2010-11	Nos.	893
(c) Telephone exchanges	2010-11	Nos.	246
(d) Density of Telephone	2010-11	Nos./1000 person	
(e) Density of Telephone	2010-11	No. per KM.	
(f) PCO Rural	2010-11	No.	3818
(g) PCO STD	2010-11	No.	
(h) Mobile	2010-11	No.	
(VII) Public Health			
(a) Allopathic Hospital	2010-11	No.	135
(b) Beds in Allopathic hospitals		No.	2545
(c) Ayurvedic Hospital		No.	
(d) Beds in Ayurvedic hospitals		No.	
(e) Unani hospitals		No.	
(f) Community health centers		No.	
(g) Primary health centers		No.	93
(h) Dispensaries			
(i) Sub Health Centers		No.	103
(j) Private hospitals		No.	
(VIII) Banking commercial			
(a) Commercial Bank	2010-11		
(b) rural Bank Products		Nos.	241
(c) Co-Operative bank products		Nos.	79
(d) PLDB Branches		Nos.	
(IX) Education			
(a) Primary school	2010-11		
(b) Middle schools		Nos.	4586
(c) Secondary / senior secondary schools		Nos.	821
(d) Colleges Junior		Nos.	943/11
(e) Technical University		Nos.	236
(f) B.Ed colleges		Nos.	28
(g) Engineering colleges		Nos.	37
(h) Pharmacy colleges		Nos.	10
(i) Polytechnic		Nos.	19
(j) MBA/MCA		Nos.	57/39

2.1 Existing Status of Industrial Areas in the District

Sl. No.	District	Zone	Industrial Park Name	Land acquired (acres)	Land acquired in sqmts	Land Developed (sq.Mts)	Land rate per sq.m	Total no of plots	Total no of structure	Allotted plots	Allotted structures	Vacant plots	Vacant structures	Units in produc-
1	Chittoor	Tirupathi	AN_TIRUPATI	28.12	113808	73519	1500	336	0	330	0	6	0	330
2	Chittoor	Tirupathi	APIE TIRUPATI	53.52	216595	181171	1500	85	17	85	17	0	0	87
3	Chittoor	Tirupathi	APIIC_TIRUPATHI_ITES_NONSEZ	80.11	324225	295208	0	6	0	6	0	0	0	6
4	Chittoor	Tirupathi	AUTONAGAR_PALMANER	8.35	33793	21755	0	112	0	112	0	0	0	101
5	Chittoor	Tirupathi	CC TIRUPATHI	0.52	2122	2452	51389	2	22	2	22	0	0	14
6	Chittoor	Tirupathi	DWC BANGARUPALYAM	483.27	1955793	1955794	0	1	0	1	0	0	0	0
7	Chittoor	Tirupathi	FOOD PROCESSING PARK, KUPPAM	182.40	738160	343561	172	18	0	12	0	6	0	7
8	Chittoor	Tirupathi	FPP MOGILI	147.71	597782	597783	100	4	0	3	0	1	0	1
9	Chittoor	Tirupathi	IDA KAMBAKAM	85.23	344926	344926	0	1	0	1	0	0	0	0
10	Chittoor	Tirupathi	IDA,TIRUPATI	109.11	441554	239943	1500	23	0	21	0	2	0	20
11	Chittoor	Tirupathi	IIDC, NAGARI	71.11	287782	287784	296	6	0	3	0	3	0	3
12	Chittoor	Tirupathi	IP CHITTOOR	81.76	330864	186259	1500	377	17	371	17	6	0	355
13	Chittoor	Tirupathi	IP EXPN PALAMANER	50.84	205749	205752	500	5	0	5	0	0	0	4
14	Chittoor	Tirupathi	IP GANDRAJUPALLE	480.50	1944587	1944587	171	8	0	4	0	4	0	3
15	Chittoor	Tirupathi	IP GD NELLORE	21.62	87496	87497	0	1	0	0	0	1	0	0
16	Chittoor	Tirupathi	IP KALLURIPALLI	11.23	45447	45448	0	3	0	3	0	0	0	2
17	Chittoor	Tirupathi	IP	632.96	2561589	256159	0	1	0	0	0	1	0	0

		hi	MADANN APALEM			0								
18	Chittoor	Tirupat hi	IP,GAJUL AMANDY AM	623.07	2521568	201071 1	500	135	14	13 4	14	1	0	103
19	Chittoor	Tirupat hi	IP,SRIKAL AHASTI	71.44	289104	194963	500	56	0	56	0	0	0	27
20	Chittoor	Tirupat hi	IP_EXP_S RIKALAH ASTHI	64.24	259979	259980	400	1	0	1	0	0	0	1
21	Chittoor	Tirupat hi	IP_GUNT AKINDAP ALLI	33.18	134279	134280	0	1	0	0	0	1	0	0
22	Chittoor	Tirupat hi	IP_MADA NAPALLI	34.18	138308	89556	800	59	9	58	9	1	0	57
23	Chittoor	Tirupat hi	IP_MURU KAMBAT TU	100.14	405266	405268	0	3	0	3	0	0	0	3
24	Chittoor	Tirupat hi	IP_PALA MANER	59.88	242339	197668	0	73	4	73	4	0	0	67
25	Chittoor	Tirupat hi	IP_TIRUP ATI	57.41	232338	182711	1500	38	36	35	36	3	0	58
26	Chittoor	Tirupat hi	IP_VALAS APALLI	87.53	354233	245509	300	190	0	18 3	0	7	0	91
27	Chittoor	Tirupat hi	ITES_SEZ TIRUPAT I	72.05	291586	196887	371	1	0	0	0	1	0	0

Source:- APIIC, Hyderabad

3. INDUSTRIAL SCENARIO

3.1 Industry at a Glance

Sr No	Head	Unit	Particulars
1.	REGISTERED INDUSTRIAL UNIT	NO.	16,562
2.	TOTAL INDUSTRIAL UNIT	NO.	NA
3.	REGISTERED MEDIUM & LARGE UNIT	NO.	82
4.	ESTIMATED AVG. NO. OF DAILY WORKER EMPLOYED IN SMALL SCALE INDUSTRIES	NO.	75,151
5.	EMPLOYMENT IN LARGE AND MEDIUM INDUSTRIES	NO.	21,424
6.	NO. OF INDUSTRIAL AREA	NO.	27
7.	TURNOVER OF SMALL SCALE IND.	IN LACS	NA
8.	TURNOVER OF MEDIUM & LARGE SCALE INDUSTRIES	IN LACS	NA

3.2 YEAR WISE TREND OF UNITS REGISTERED

	YEAR	NUMBER OF REGISTERED UNITS	EMPLOYMENT	INVESTMENT (lakh Rs.)
Up to				
	1996-97	3419	29824	665
	1997-98	3524	31662	7051
	1998-99	3645	32789	8723
	1999-2000	3670	32900	8840
	2000-01	3760	34583	11095
	2001-2002	3851	355382	12218
	2002-03	3914	36188	13299
	2003-04	4516	39668	10833
	2004-05	4675	40102	11980
	2005-06	4696	40281	12255
	2006-07	4113	39540	16574
	2007-08	4214	41510	20601
	2008-09	4466	47411	31370

Source: compiled from data provided by DIC, Chittoor & Commr of Industries from time to time

3.3 DETAILS OF EXISTING MICRO & SMALL ENTERPRISES AND ARTISAN UNITS IN THE DISTRICT

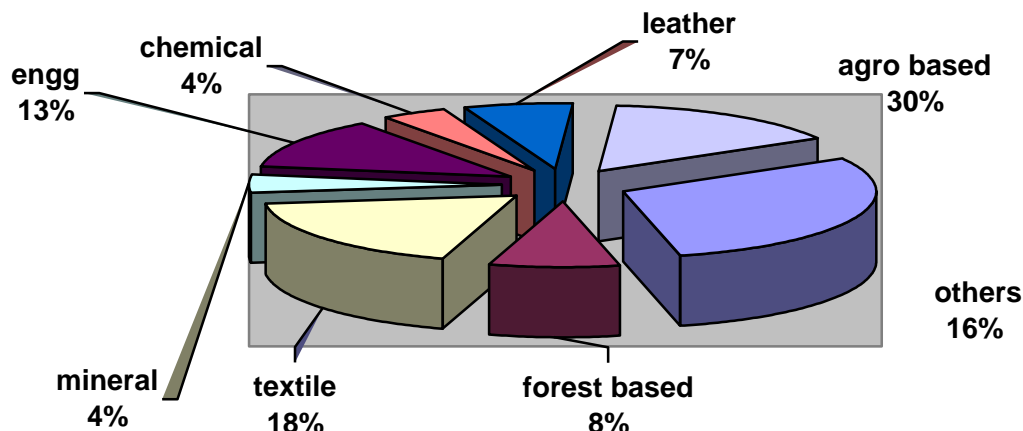
According to the Industries Dept, Govt of AP, Chittoor has 16562 Small Scale / Tiny industries with an investment of Rs.304.98 crores and providing employment to 75151 persons. Food industries seem to be the dominating industrial group in the district, having a share of nearly 30% in the total number of units, 34% of total employment and 19% of investment. The rich agro resources in the district provide ample opportunities for food processing industry. The second major industrial category is textile based industry, comprising of small power looms, yarn twisting and dyeing, handlooms, and readymade garments industry.

The structural composition of the MSE sector, in percentage terms, is as given below:

No.	S. Category	% of number of units	% of total Investment	% of total Employment
1.	Agriculture based	29.79323	18.93113	34.17319
2.	Forest based	8.144964	3.383515	4.651523
3.	Textile based	18.45401	23.4475	16.26483
4.	Mineral	4.44675	19.23222	4.651523
5.	Engineering	12.53242	15.14114	12.47384

6.	Chemical	4.002075	4.064735	7.248624
7.	Leather	7.003632	7.113286	7.248624
8.	Others	15.62292	8.682725	16.34235

structural composition of MSEs



3.4 Large Scale Industries / Public Sector undertakings

The list of Large and Medium industries in Chittoor district, along with the investment, employment and capacity is as given below. In the table, Large industries are marked in Bold, while the others are Medium industries:

S. No	Name, address of the unit & product	Inv (□ in cr)	Empl	Capacity
1.	Fuji Granite RAJAKANDRIGA Chittoor POLISHED GRANITE & MONUMENTS	0.9	85	20000 SqMtrPA
2.	Enterprising Exporters RAJAKANDRIGA Chittoor, POLISHED GRANITE, MONUMENTS	0.9	80	20000 SqMtrPA
3.	Magam Inc., CHETTULAPAKAM Chittoor GRANITE MONUMENTS	0.91	85	20000 SqMtrPA
4.	Ready Foods Ltd., MADANAPALLI Chittoor frozen vegetables, frozen delicacies	18.55	389	30000 TPA
5.	Unique Granites (p) Ltd. SRIKALAHASTI Chittoor POLISHED GRANITE SLABS	4.53	70	7500 SqMtPA
6.	Bethen Granites CHILAMATHUR Chittoor POLISHED GRANITE MONUMENTS	0.9	85	20000 SqMtPA
7.	Srinivasa Cystine Ltd., AGARAALA Chittoor L.CYSTINE	6.03	270	268 TPA
8.	Ready Wear (P) Ltd., MADANAPALLE Chittoor READYMADE GARMENTS	6.46	4356	50000 NoPA
9.	Magunta Exports KOTHAKODURU, Chittoor PROCESSED PRAWANS / SHRIMPS	3.48	119	244 TPA
10.	Lanco Ferro Ltd., Rachagunneri Chittoor PIG IRON	77.5	200	200000 TPA
11.	Leena Textiles Ltd., THIMMASAMUDRAM Chittoor COTTON YARN & SYNTHETIC YARN	20.81	440	50000 Spdls
12.	KBD Sugars & Distilleries Ltd (Shree Vani Sugars And Industries Ltd.,) PUNGANUR Chittoor ACETIC ACID, ACITIC ANHYDRIDE, ETHYLACETATE, METHYLACETOACETA	50	350	48000 TPA
13.	Aditya Spinners Ltd., CHITTOOR, COTTON YARN & BLENDED SYNTHETIC YARN	20.82	440	50000 Spdls
14.	Heritage Foods (India) Ltd., CHITTOOR MELTED BUTTER (GHEE), TONED MILK, LACTOSE, SKIMMILK, SKIM MILK	17.01	300	40000 TPA, LtPD
15.	Lanco Ferro Ltd., Chittoor SLAG CEMENT	4.9	153	80000 TPA
16.	Creative Industries (p) Ltd., TIRUPATHI 517 506 Chittoor PRINTING OF NEWSPAPERS	1.2	30	14600000 NoPA
17.	Sibar Autoparts Ltd. TIRUPATI 517 506 Chittoor CYLINDERS CAPACITY EXCEEDING 50CC BUT NOT EXCEEDING 250 CC	4.67	200	200000819
18.	ABK Publications Ltd., TIRUPATHI 517 501 Chittoor NEWS PAPER PRINTING	3.48	60	27375000 CPD
19.	Ravileela Dairy Products Ltd Chittoor PROCESSED CHEESE	2.82	44	900 MTPD
20.	Kalahasthi Castings Ltd Srikalahasthi (M) Chittoor Cast Iron Castings	6.88	990	80000 tons
21.	Amar Raja Batteries Limited Chittoor Other lead acid Accumulators Cells	11	475	180000 No. of
22.	Amar Raja Batteries Limited Chittoor Storage Batteries Industrial 1	7.6558	870	275000 Numbers
23.	Sri Venkateswara Coop. Sugar Factory Ltd., GAJULAMANDYAM Chittoor SUGAR	10.7	141	1250 TCD
24.	Prudential Capital Ltd., NINDRA Chittoor SUGAR	42	510	

25.	Lakshmi Priya Tex Nagari Chittoor Dyed Woven Fabrics of Cotton	2.9171	395	1670400 Metres
26.	Wellbrines Chemicals Limited Tondur Village Chittoor Iodised free flow salt Tons	8.704	65	100000 Metric
27.	Aswini Biopharma Limited IDAGajulamandyam Chittoor Phenyl Proponalamine Hydrochloride and its optical isomers			75 MTs
28.	Foods and Inns Ltd Gollamadagu, Pallaru, Chittoor Fruit and Vegetable concentrate	2.95	16	
29.	White House, Keelapatu (v), Nagari (m) Chittoor Bleaching and Dying of Cloth and Yarn	12.4	150	
30.	Bottling Company Lt Kapugunneru, Srikalahasti Sweetened Carbonated Water	43	150	1824
31.	MVR Mineral Water Pvt Ltd Nagalapuram Chittoor Packaged Drinking Water	3.6	60	
32.	Capricorn Food Products India Ltd Papgunta, Satyavedu Chittoor Fruit/Vegetable Juices	3.53	90	
33.	Om Shakti Renergies Ltd Pannur, Jagannadh Chittoor Power Generation	82	120	
34.	Shri Venkateshwara Sponge & Power Pvt. Ltd. Merlapaka, Yerpedu (M), Near Srikalahasti Chittoor Sponge Iron	19	87	120000 MT
35.	Ammana Biopharma (P) Ltd Nindra Chittoor Rectified Spirit and	15	55	
36.	anco Industries Ltd Rachagunneri, Chittoor Metallurgical Hard Co	4	175	
37.	MVR Mineral Water Pvt Ltd Nagalapuram Chittoor Packaged Drinking Water	9	76	
38.	Capital Technologies Ltd Guruvarajapalli, SKTH RD, Renigunta, Chittoor Coconut oil Packaging	3	60	7500 Kilo Ltrs
39.	Dodla dairy Ltd Moram (V), Chittoor Milk	3	90	
40.	Sagar Sugars & Allied Products Nelavoy (V), Chittoor Sugar	51	100	
41.	Nutriline Confectionery Company Chittoor Sugar Confectionery	8	1347	
42.	Foods and Inns Ltd Kanakaneri (V), Chittoor Fruit Juice	3	40	
43.	Aditya Spinners Ltd., CHITTOOR Chittoor COTTON YARN	21	440	
44.	Bethen Granites CHILAMATHUR Chittoor POLISHED GR	1	85	
45.	Enterprising Enterprises Indi CHILAMATHUR Chittoor GRANITE SLA	4	16	5032
46.	Enterprising Exporters RAJAKANDRIGA Chittoor POLISHED GR	1	80	
47.	Fuji Granite RAJAKANDRIGA Chittoor POLISHED GR	1	85	
48.	G.M.L. Chip Components Ltd. TIRUPATHI Chittoor MULTILAYER	4	60	
49.	Lanco Ferro Ltd., Rachagunneri Chittoor PIG IRON	78	200	
50.	Leena Textiles Ltd., THIMMASAMUDRA Chittoor COTTON YARN	21	440	
51.	Magam Inc., CHETTULAPAKAM Chittoor GRANITE	1	85	
52.	Ready Foods Ltd., MADANAPALLI Chittoor FROZEN VEGE	19.3	89	
53.	Sentinel Granites CHILAMATHUR Chittoor POLISHED Granite	1	85	
54.	Sri Venkateswara Coop. sugar Factory			
55.	GAJULAMANDYAM Chittoor SUGAR	11	141	2041
56.	Srinivasa Cystine Ltd., AGARALA Chittoor L.CYSTINE	27	20	42
57.	Upper India Steel Mfg. Engg. GAJULAMANDYAM Chittoor HOT ROLLED steel	10	350	
58.	Veeyen Granites TADA Chittoor JAPANESE GR	1	115	
59.	Sudarshan Overseas Ltd 61, K.V.B. Puram, Srikalahasti, Chittoor Processing and Grinding of grain manually.	25	320	4000 MT
60.	Jagati Publications Yelamandyam, Renigunta Chittoor PRINTING AND PUBLISHING OF NEWSPAPERS.	12	40	
61.	Shri Venkateshwara Sponge & Power Pvt. Ltd. @ Indl. Estate Renugunta, Srikalahasti Chittoor Sponge Iron	30.89	150	90000 MT
62.	Shri Venkateshwara Sponge & Power Pvt. Ltd. Merlapaka, Yerpedu (M), near Krikalahasti Chittoor MS Ingots, Semi finished Iron & Steel Products	15	60	60000 TPA
63.	Prasad and Ramesh Granites Pvt Ltd, Narigapalli Chittoor GRANITE MONUMENTS	3.36	40	2000 CUB MTR
64.	Sri Venkateshwara Milk Dairy Farms @ Sy. No. 308, Srikalahasti Rd, Pichatur, Chittoor MILK PASTEURISED and diary products	1.42	85	36000000 Ltrs
65.	Swathy Processors Limited @ SF No. 72/12, Netteri, Nagar, Chittoor Cotton Yarn	1.06	45	12000 Spindles
66.	RBA Textiles Pvt Ltd Kuppam Chittoor COTTON YARN	42.19	360.5	200000 KG
67.	Lanco Industries Limited (SPun Pipe Division) Rachagunneri Chittoor DUCTILE IRON PIPES, SCRAP, OTHER METAL PRODUCTS	17	601	359000 tpa Lanco
	Industries Ltd Rachagunneri (V), Srikalahasti Chittoor Electric power from waste gas from coke oven unit	43	48	80 Mill KWH
68.	RBA Textiles Pvt Ltd. Kuppam Chittoor COTTON YARN	72.8	220	10600000 Kgs
69.	Jain Irrigation Systems Ltd Avalkonda Road Chittoor			

	FRUIT/VEGETABLE PULP AND CONCENTRATES AND CAN	34.76	14	78000 MTPA
70.	Jain Irrigation Systems Ltd 2100 Gollapalli Chittoor			
	FRUIT/VEGETABLE PULP AND CONCENTRATES AND CAN	17.0	7 8	138000 MTPA
71.	Sree Prashant Spinners Limited Thadukupet, Nagarj Chittoor COTTON YARN	1.73	60	17520 Spindle
72.	Shree Krishna Polystrap Pvt. Ltd., 2 Nindra (V & M) Chittoor POLYSTAR STRAPING ROLL	19.24	44	2592 Tons
73.	Oceanic Tropical Fruits Pvt. Ltd., Annur Kasbagayat Chittoor Fruit / Vegetables Juices And Their Concentrates, Squashes And Powders	48.03	250	28800 Tons
74.	Malladi Drugs & Pharmaceuticals Ltd. 49,50,55,56, IDAGajularamaram Attur(Po), Renigunta Chittoor 4-HYDROXY COUMARIN	79.25	162	24 MT
75.	Parag Milk Foods Pvt. Ltd., Sy.No.146/1c, Samudrapalle Revenue, Palamaner (V) Chittoor Butter, Cream, Ghee, Cheese, Skim Milk Powder, Pasteurization of Milk	44	350	
	4000+9000+2000+500+100000+10000 MTS			
76.	P.M.R. Food Products Pvt. Ltd., Sy#7A, 8,91-2c, 98-3,4, 99-8A,95-18,2, Keelagram narayana vanam Chittoor Processed Fruit Vegetables, Guava, Tamoto, Pulp			
77.	Anuradha Steels Pvt. Ltd. Routhu Suramala, Shrikalahasti, Thottambedu Chittoor CTD/TMT Bars and Rods	28.06	140	45000 Tonnes
78.	Sri Power Generation (India) Pvt. Ltd. (Formerly Sri City Power Gen (TN) Pvt. Ltd.) 2011 Chervi (V), Varadayapalem (M) Chittoor Power Generation (Solar)	24.95	18	
79.	Kobelco Construction Equipment Pvt. Ltd. Sy. No.1 & 26, 4100 Spine South Sri City, Satyavedu (M) Chittoor Hydraulic Excavator	43	96	
80.	Parag Milk Foods Private Limited. Sy. No. 188 A, Samudrapalli (V), Palamuru (M) Chittoor Milk Products, Ghee & Butter	11.8	125	

Total employment = 21424

3.5 Major exportable items: Mango, Mango pulp, teak, red sandalwood, dairy products like ghee, butter, etc.

3.6 Growth trend: There were 84 Large and Medium industries in the year 2001, involving an investment of Rs 1059 crores and providing employment to 23812 persons. A decade later, there has not been much change in the scenario. In fact, the number of L&M industries has slightly reduced to 82. One reason for the decline may be that, due to raise in investment ceiling for MSMEs, the units classified as Large and Medium earlier, may now be included as small scale units. The employment and investments in L&M units have also declined to 21424 and Rs. 1675 crores respectively.

3.7 Vendorisation and Ancillarization:

In Chittoor district there is very wide scope for ancillary development as it has a good number of large/medium scale industries. At present there are 84 large/medium scale industries workers in the district which require a good lot of ancillary items of different varieties. Presently they are getting either from Hyderabad or from Madras and Bangalore. It is reported that all the fruit processing industries required a number of items as ancillaries which could be very well manufactured in small scale industries. Carriage workshop is an important large scale unit which requires a good number of ancillary units, which is located at Tirupathi, Renigunta Road. This is one of the major workshop of the Indian Railways undertaking periodical repairs to passenger coaches.

The main items which are required by the Workshop are: Pins and Bushes (different types) Washers, sealing for axle box guide, Feltering, Destruction tube, Flushing valve assemble, Holding device for vestibule foot plate, Push cock complete, Coat hook, Oil filling arrangement, Glass shutter, Commode seat cover, Commode, Door lock assay, Alarm disc

cover, Ash tray, Sliding door lock, Top Spring Seat, Footstep support. Springs of different types, Rubber Washers, Metal Fabrication items, Foundry items. The list is only indicative and Entrepreneurs are advised to contact the Carriage Workshop for selection of project.

3.8 Medium Scale Enterprises: From the above table on Large and Medium industries, it is estimated that there are 42(of the 82) Medium scale enterprises, involving an investment of Rs. 216.17 Crores and employing around 10,000 persons. The units are mainly engaged in fruit processing, Granite slabs and monuments, news paper printing, processed fruit and vegetables, etc

3.8.1 List of units in Medium scale sector. The list of 42 units in the medium scale sector is given in the above table. Units not mentioned in Bold are in the medium scale sector.

3.8.2. Major exportable items: processed fruit (mango and mango pulp), granite slabs and stones, dairy products

3.9 Service Enterprises: MSMED Act, 2006 classifies service industry in the Micro sector as an enterprise where the investment in equipment does not exceed Rs 10 lakh, a Small enterprise where the investment in equipment does not exceed Rs 2 crores and a Medium enterprise with investment in equipment not exceeding Rs 5 crores. Nellore district, with its rich agricultural resources offers many opportunities for the service industry. A few are mentioned below:

3.9.1/3.9.2 Potential for service industry

1. Automatic Xerox
2. Bamboo Baskets
3. STD Booths
4. Radio and TV Servicing
5. Tent house
6. Electronic Typing, DTP
7. Nursery (Horticulture)
8. Printing Press
9. Cassette Recording
10. Clinical Laboratory
11. Electrical appliances/articles/articles servicing
12. Cyber Cafes
13. Tyre Retreading
14. Software Development
15. Beauty parlors and Creches,
16. health care services, like diagnostic centres, X ray clinics, maternity clinics, pharmacies
17. tourism and hospitality industry
18. industrial testing labs
19. Management consultancy, marketing consultancy
20. coaching industry

3.10 Potential for new MSMEs:

1 Agro, Food and Allied Industries

1. Jams and Jellies
2. Seed Processing
3. Vermicelli
4. Confectionery
5. Dall Mill
6. Pappad
7. Chikki
8. Potato wafers
9. Bread
10. Mushrooms
11. Honey Bee keeping
12. Hatchery
13. Turmeric polishing and Grinding
14. Particle ;Boards from Rice Husk
15. Ice Blocks
16. Mango Kernel Oil
17. Rice Flakes

2. Mechanical and Metallurgical

1. G.I. Pipes and fittings
2. Agricultural Implements
3. General Engineering Workshop
4. Non-Ferrous castings
5. Air-coolers
6. Insecticide Sprayers
7. Steel furniture
8. G.I. buckets
9. Carpentry furniture
10. Lancing tubes used in blast furnaces
11. Tool Room
12. Solar Cooker
13. Copper wire
14. Forged Items
15. Saw mills
16. Photo lamination
17. PVC Engineering Trays
18. Flush Doors
19. Milk Cooling and ghee setting equipment
20. Road Construction

21. Wire Drawing
22. Electric Motor and pump sets 1 Hp to 5Hp
23. Hand pumps
24. Gates and grills
25. Pop Rivets

3. Chemical, plastic and Rubber based

1. Detergent cakes and Powders
2. Burnt Lime
3. Ferric Alum
4. Camphor Tablets
5. Electroplating/Nickel plating
6. Phenyl
7. Agarbathis
8. Hawaii Chappals
9. PVC Pipes
10. Grease
11. Cleaning Powder
12. Red oxide
13. Ayurvedic Medicine Formulations
14. Disposable Syringes
15. Leaf cups and plates (Laminated)
16. Plastic cups and plates
17. Polypropylene Sutli
18. Screen Printing
19. Computer stationery
20. Bobbins
21. Fibre Glass reinforced plastics
22. Reprocessing of plastic waste
23. Sodium Sulphate
24. Pharmaceuticals
25. Corrugated Paper Boards and Boxes
26. Mineral Water

4. Glass and Ceramics

1. Stone polishing
2. Flyash bricks
3. Quartz Crushing
4. Plaster of Paris
5. Fire clay bricks and blocks
6. RCC Spun Pipes
7. Sodium Silicate
8. Road Metal Crushing
9. Lens Grinding

10. Ceramic Artware manufacture and novelty

5. Paper Products

1. Paper Cups and Plates
2. Exercise Note Books
3. File covers, file Boards and Letter Pads

6. Textile Based

1. Silk Reeling and twisting
2. Hosiery
3. Sewing thread
4. Ready Made Garments
5. Sizing
6. Dyeing

7. Wooden Products

1. Flush Doors
2. TV Stands
3. Wooden Toys

8. Electric and Electronics

1. TV Antenna
2. Emergency Lamps
3. Voltage Stabilizers
4. Transformers
5. Tube light chokes and tube light fittings
6. Auto bulbs
7. GLS Lamps

9. Leather and Foot Wear

1. Vanity bags and purses made of leather and Rexine
2. Leather belts
3. Leather Footwear
4. Rexine Travelling Goods
5. Leather Gloves
6. Shoe Uppers

4.0 Details of Major clusters

4.1 Details for major clusters : Following are the industrial clusters found in Chittoor district. The district is known for its rich horticulture produce, especially mango, and has a major concentration of horticulture produce.

4.1.1 The major manufacturing clusters are the fruit processing, powerloom, bus body building and granite clusters

4.1.2 There are no major service sector clusters in the district

Source: www.clusterobservatoyr.in

4. 2. Details of identified clusters:

4.2.1 Name of the cluster : **Chittoor fruit processing**

Association cluster: Chittoor dt. Fruit processers federation

1	Principal Products Manufactured in the Cluster	Fruit pulp, concentrate and purees
2	Name of the SPV	
3	No. of functional units in the clusters	67
4	Turnover of the Clusters	Domestic : 1250 million Exports : 3300 million
5	Value of Exports from the Clusters	
6	Employment in Cluster	20000
7	Average investment in plant & Machinery	
8	Major Issues / requirement	Inadequate product quality and standards Limited facilities for testing and research Poor effort on value addition and Better shelf life Inadequate technical knowledge of local manpower Weak information channels
9	Presence of capable institutions	
10	Thrust Areas	
11	Problems & constraints	Poor linkages with developmental institutions Limited geographical reach Weak linkage between farmers and processing units High handling losses of 15% High post-harvest losses of 20%

4.2.2 Name of the cluster : **Nagari powerloom Association**

Associations of the cluster: PECKS Asociation

1	Principal Products Manufactured in the Cluster	Yarn, fabric
2	Name of the SPV	
3	No. of functional units in the clusters	530
4	Turnover of the Clusters	2000 million
5	Value of Exports from the Clusters	--
6	Employment in Cluster	24000
7	Average investment in plant & Machinery	
8	Major Issues / requirement	<p>No variation in product mix, particularly product innovation/diversification is absent</p> <p>Catering mostly to cost base market. No brand identity or organized marketing strategy exists in the cluster</p> <p>Old/obsolete technology very few SME's are having advanced weaving technology based looms.</p> <p>Under utilization of capacities due to electrical supply problem</p> <p>Some of the enterprises having their very poor quality looms in very poor quality of sheds Most of the weavers are having their loom sheds in their house itself.</p> <p>Family of most of the weavers is working as a labor in their own shed.</p> <p>Most of the SMEs do not have clarity about Techno economic operation o the unit</p>
9	Presence of capable institutions	
10	Thrust Areas	
11	Problems & constraints	<p>A very few SMEs also exist which cater with product to export markets. But they are facing the problem like</p> <p>They are not averring about the system of</p>

		export procedures Lack of information about the detail of the customer whether the customer is Black Listed or not
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Present status of the cluster :-

4.2.3 Name of the cluster': **Chittoor Rice Mill**

Cluster Association: Chittoor Dt. Rice Millers Association

1	Principal Products Manufactured in the Cluster	Milled rice, broken rice, rice bran oil, rice flour
2	Name of the SPV	
3	No. of functional units in the clusters	Micro -80, Small-70, Medium-3 Total: 153
4	Turnover of the Clusters	4000 Million
5	Value of Exports from the Clusters	
6	Employment in Cluster	6000
7	Average investment in plant & Machinery	
8	Major Issues / requirement	Inadequate godown facilities Poor polishing techniques Poor linkages with developmental institutions Limited geographical reach High post-harvest losses of 20%
9	Presence of capable institutions	
10	Thrust Areas	
	Problems & constraints	Lack of awareness on export documentation Weak financial linkages Seasonality factor

Present status of the cluster :-.

4.2.4 Name of the cluster: **Madnapalli Busbody building**

1	Principal Products Manufactured in the Cluster	Busbody building
2	Name of the association	
3	No. of functional units in the clusters	242
4	Turnover of the Clusters	113 Million
5	Value of Exports from the Clusters	

6	Employment in Cluster	3000
7	Average investment in plant & Machinery	
8	Major Issues	Narrow market base, low marketing skills, absenteeism in work force, lack of finance for adopting new technology
9	Access to Export Market	

4.2.5 Chittoor granite processing Cluster

1	Principal Products Manufactured in the Cluster	Granite processing
2	Key Trade Association address	
3	No. of functional units in the clusters	200
4	Turnover of the Clusters	1800 millions
5	Value of Exports from the Clusters	USA, Italy and European countries
6	Employment in Cluster	2000
7	Average investment in plant & Machinery	
8	Testing needs	
9	Major Issues	No testing facilities for raw materials No proper ways disposal Totally dependent on imports for diamond, tipped tools Lack of skilled manpower Poor credit linkage
10	Access to Export Market	

5. General problems raised by the industry:

Problem in regular and adequate supply of electricity.

Inadequate credit to MSEs. Insistence on collateral for loan that do not require collateral amount, etc.

6. Steps to set up MSMEs

S. No	Type of assistance	Name and address of the agency
1	Provisional & permanent registration	District Industries Centre, Industries Estate, Kongareddipalli, Chittoor Ph-08572-228224 Cell-09989997678 gmdic-ctr@ap.gov.in
2	Identification of project profiles, techno- economic and managerial consultancy services, market survey and economic survey report	DIC, Chittoor, And MSMSE-DI, Hyderabad Narsapur Cross Roads, Hyderabad 040-23078131-33, 20378857(Fax) Email: dcdi-hyd@dcmsme.gov.in
3	Land and Industrial shed	APIIC APIIC Ltd. Zonal Office Tirupathi APIIC Ltd, Industrial Estate Settipally-Post Tirupati-517506 Chittoor District (AP) Phone: 0877-2275393 Email: zmapiictpt@yahoo.co.in
4	Financial assistance	APSFC, Commercial banks
5	For raw materials under Govt supply	GM DIC
6	Plant and machinery under hire purchase	NSIC, Hyderabad
7	Power/ Electricity	AP Transco
8	Technical Know how	Research Labs like IICT, Hyderabad, CFTRI, Mysore, CIPET, Hyderabad, etc
9	Quality and Standards	Bureau of Indian Standards, Hyderabad AGMARK, Guntur Certified consultants for ISO 9000 etc
10	Marketing/Export Assistance	NSIC, MSME-DI, Export Promotion Councils, etc
11	Other promotional agencies	AGMARK, Spices board, coir board, Tobacco Board, KVIB etc
