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A STUDY ON SECTORAL CHANGES IN THE STATE OF ANDHRA PRADESH (UNITED)

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ABSTRACT:

Andhra Pradesh is one of the biggest state in India. This state comprises three districts regions viz. Coastal Region, Rayalaseema Region and Telangana Region. The total districts are 23. Hence the present study is an attempt to examine the decade-wise Sectoral changes increasing 1960-61 to 2012-13.

KEYWORDS: Coastal Region, Rayalaseema Region, Telangana Region.

1.1 PROFILE OF ANDHRA PRADESH

The State of United Andhra Pradesh was the first state in India to be constituted on a linguistic basis in 1953. However, the present enlarged State of Andhra Pradesh came into existence on the 1st November, 1956, in pursuance of the recommendations of the States Reorganization Commission. Andhra Pradesh is the fifth largest State in area with 2,76, 754sq. kms accounting for 8.4 per cent of India's territory. It lies between 12°14" and 19°54" north latitudes and 76°50" to 84°50" east latitudes. The Bay of Bengal is its eastern frontier, Karnataka in the West, Madhya Pradesh and Orissa in the North, Maharashtra in the North West and Tamil Nadu in the

South are the Border States. The state comprises 23 districts, 79 revenue divisions, 1,126 mandals, 21,908 gram panchayats, 26,344 inhabited villages and 210 towns. Physiographically, there are three distinct agricultural regions of the state viz., the Coastal region, the Rayalaseema and the Telangana. The Coastal region, the most fertile and irrigated tracts covering one-third of the area of the State, viz. Srikakulam, Vijayanagaram, Visakhapatnam, East Godavari, West Godavari, Guntur, Krishna, Prakasam and Nellore Districts. Consists of four districts viz., Ananthapur, Cuddapah, Chittoor and Kurnool comes under Rayalaseema region. This is a dry tract and is most vulnerable to recurrent drought and famine. Its soil is rocky and rainfall is scanty. It is the most backward region of the

State. Telangana region comprises Ten districts viz., Adilabad, Hyderabad, Ranga Reddy, Karimnagar, Khammam, Mahaboobnagar, Medak, Nalgonda, Nizamabad and Warangal, which occupy two fourth of the State's total area. The total Population in Andhra Pradesh is 846.66 lakhs according to 2011 census. Of which, the male and female population constitute 425.10 lakhs (i.e., 50.2 per cent) and 421.56 lakhs (i.e., 49.8 percent) respectively.) In the total population, the rural population accounts for 563.12 lakhs i.e., 66.5 per cent whereas the urban population accounts for 283.54 lakhs i.e., 33.5 percent. The birth rate and death rate during the decade accounted for 17.5 per thousand and 7.5 per thousand whereas the density of the population accounts for 308

persons per sq. km. The total literates number 514.39 lakhs (60.75 percent). Of which, male literates are 287.60 lakhs (75.56 percent) and female literates are 226.79 lakhs (59.74 percent). The total work-force accounts for 348.94 lakhs i.e., 45.8 percent in the total population. Of which, 216.92 lakhs are agricultural workers (62.6 percent) whereas 132.02 lakhs are non- agricultural labours (37.4 percent) according to 2011 census.

1.2. DECADAL SECTORALCHANGE IN GROSS STATE DOMESTIC PRODUCT OF ANDHRA PRADESH SINCE 1960

1.2.1 Sectoral Share of SGDP during 1960-61 to 1969-70

Since 1960-61 Andhar Pradesh GDP has been growing. Economic planing initiated in 1950-51 and ambitions of industrialization resulted in much quicker growth in GDP compared to Pre-independence period. But the sectoral contribution of GDP is highly uneven. During 1960-61 to 1969-70 decay, the sectoral contribution to GDP in the state of Andhra Pradesh is shown in table. The table shows that the GDP in the State of Andhra Pradesh has increased to Rs 305487 crores during 1969-70 from Rs137194 crores during 1960-61 i.e. an increase of 2.2 times. The percentage share of agriculture sector has declined to 47.0 percent during 1969-70 from 48.0 percent during 1960-61. Whereas the percentage share of industrial and service sectors has increased to 16.3 percent and 36.7 percent from 14.0 percent and 38.0 percent. But the compound growth rate of the percentage share of all the sectors is not significant at 0.05 percent (2.262) lever which account 0.3 percent (Agriculture), 0.5 percent (Industry) and -0.6 percent (service sector) as the calculated 't' value account for 0.8, 0.7 and 1.7 respectively. On the whole compound growth rate of the SGDP is increasing which account for 9.85 percent and is significant at 0.05 percent (2.262) level as the calculated 't' value account per 23.30.

Table 1
Year-wise Sectoral Contribution to SGDP during 1960-61 to 1969-70
(Rs. in Crores)

Years	Agriculture Sector	Industry Sector	Service Sector	Total
1960-61	65796(48.0)	19221(14.0)	52177(38.0)	137194
1961-62	67881(47.2)	20546(14.2)	58863(38.6)	147290
1962-63	74195(47.1)	22363(14.2)	60879(38.7)	157437
1963-64	91429(49.9)	25462(13.9)	66320(36.2)	183211
1964-65	105598(50.6)	29545(14.2)	73576(35.3)	208719
1965-66	101698(47.8)	32615(15.3)	78645(36.9)	212958
1966-67	123023(49.1)	34542(14.1)	88188(36.9)	245753
1967-68	141547(51.1)	34230(12.4)	101089(36.5)	276866
1968-69	136882(48.4)	40166(14.2)	105795(37.4)	282843
1969-70	143650(47.0)	49685(16.3)	112152(36.7)	305487
CGR	0.3	0.5	-0.6	9.85
t Values	0.8	0.7	1.7	23.30

Source:Govt. of A.P. Statistical Abstract of Andhra Pradesh from 1960-61 to 1969-70,Hyderabad. Note: Parenthesis indicates percentage.

1.2.2Sectoral Share of SGDP during 1970-71 to 1979-80

The sectoral contribution of SGDP during 1970-71 to 1979-80 decade is shown in table 2. The table shows that the SGDP has increased to Rs 816478 Crores during 1979-80 from Rs 333183 crores during 1970-71 i.e.an increase of 2.4 times. The percentage shareof agriculture sector has declined to 39.8 percent during 1979-80 from 48.5 percent during 1970-71.whereas it has increased to21.1 and 39.2 percent from 15.3 percent and 36.1 percent in the case of industrial and service sectors.The

percentage share of agriculture sector to state gross domestic product is declining. Hence the compound growth rate account for -3.1 percent is significant at 0.05 percent (2.262) level as the calculated 't' value account for 3.9 percent. At the same time the contribution of industrial and service sectors to state gross domestic product is increasing. Hence the compound growth rates account for 4.4 percent and 1.7 percent and is significant at 0.05 percent (2.262) as the calculated 't' value account for 5.8 and 2.2. On the whole the compound growth rate of state gross domestic product is increasing which account per 10.25 percent and is significant at 0.05 percent (2.262) levels as the calculated 't' value account for 12.66.

Table 2
Year-wise Sectoral Contribution to SGDP during 1970-71 to 1979-80

Rs. In Crores

Years	Agriculture Sector	Industry Sector	Service Sector	Total
1970-71	161694(48.5)	51109(15.3)	120380(36.1)	333183
1971-72	175531(48.7)	56590(15.7)	128218(35.6)	360339
1972-73	185371(48.01)	62380(16.2)	137839(35.7)	385590
1973-74	259101(52.4)	72848(14.7)	162117(32.8)	494066
1974-75	303540(52.2)	93249(16.01)	184430(31.7)	581219
1975-76	235589(42.8)	106938(19.4)	208319(37.8)	550846
1976-77	227100(39.6)	117702(20.5)	228882(39.9)	573684
1977-78	270304(41.0)	134774(20.4)	254168(38.6)	659246
1978-79	286003(39.1)	151068(20.7)	294125(40.2)	731196
1979-80	324708(39.8)	171992(21.1)	319778(39.2)	816478
CGR	-3.1	4.4	1.7	10.25
t Values	3.9	5.8	2.2	12.66

Source: Govt. of A.P. Statistical Abstract of Andhra Pradesh from 1970-71 to 1979-80, Hyderabad.

Note: Parenthesis indicates percentage.

1.2.3. Sectoral Share of SGDP during 1980-81 to 1989-90

The sectoral contribution of SGDP in the state of Andhra Pradesh during 1980-81 to 1989-90 is shown in table 3. The table shows that the SGDP in Andhra Pradesh has increased to Rs 3167272 Crores during 1989-90 from Rs.930878 crores during 1980-81 i.e. an increase of 3.4 times. The percentage share of agricultural sector has declined to 33.7 percent during 1989-90 from 39.9 percent during 1980-81. Whereas it has increased to 22.1 percent and 44.2 percent from 18.2 percent and 42.0 percent in the case of industrial and service sectors. The percentage share of Agricultural sector to gross domestic product is declining. Hence the compound growth rates account for -2.4 percent is significant at 0.05 percent (2.262) level as the calculated 't' value account for 3.1. At the same time the contribution of industrial and service sectors is increasing. The compound growth rate account for 1.3 percent and 1.1 percent and it is significant at 0.05 percent (2.262) level only in the case of industrial sector, as the calculated 't' value account for 0.2 and 1.2. On the whole the compound growth rate of SGDP is increasing which account for 13.67 percent and is significant at 0.05 percent (2.262) level as the calculated 't' value accounts for 11.47.

Table 3
Year-wise Sectoral Contribution to SGDP during 1980-81 to 1989-90

(Rs. In Crores)

Years	Agriculture Sector	Industry Sector	Service Sector	Total
1980-81	371275(39.9)	169085(18.2)	390518(42.0)	930878
1981-82	457514(41.0)	196050(17.6)	463354(41.5)	1116918
1982-83	461819(38.3)	231168(19.2)	512005(42.5)	1204992
1983-84	540822(38.7)	252794(18.1)	601686(43.2)	1395302
1984-85	554240(36.8)	290527(19.3)	659066(43.8)	1503833
1985-86	576840(42.0)	34783(2.5)	764229(55.5)	1375852
1986-87	576731(31.5)	391263(21.4)	860666(47.1)	1828660
1987-88	727863(33.9)	477869(21.6)	1003905(45.4)	2209637
1988-89	955334(34.5)	581813(21.0)	1233460(44.5)	2770607
1989-90	1066685(33.7)	700427(22.1)	1400160(44.2)	3167272
CGR	-2.4	1.3	1.1	13.67
t Values	3.1	0.2	1.2	11.47

Source: Govt. of A.P. Statistical Abstract of Andhra Pradesh from 1980-81 to 1989 to 1990, Hyderabad.

Note: Parenthesis indicates percentage.

1.2.4. Sectoral Share of SGDP during 1990-91 to 1999-00

The sectoral contribution of SGDP in the state of Andhra Pradesh during 1990-91 to 1999-00 is shown in table 4. The table shows that the SGDP in Andhra Pradesh increased to Rs 12940300 Crores during 1999-00 from Rs 3719422 crores during 1990-91 i.e. an increase of 3.1 times. The percentage share of agriculture sector has declined to 28.7 percent during 1999-00 from 31.7 percent during 1990-91. Where it has increased to 24.1 percent and 47.2 percent from 23.9 percent and 44.4 percent in the case of industrial and service sectors during the same period. The percent share of agricultural sector to gross domestic products is declining that hence the compound growth rate accounts for -1.1 percent and is significant at 0.05 percent (2.262) level as the calculated 't' value account for 2.3. At the same time the contribution of industrial and service sectors is increasing the compound growth rates account for 0.5 percent and 0.6 percent and is significant at 0.05 percent (2.262) level only in the case of service sector as the calculated 't' value account for 1.5 and 2.2. on the whole the compound growth rate of SGDP is increasing which accounts for 14.94 percent and is significant at 0.05 percent (2.262) level as the calculated 't' value account 28.32.

Table 4
Year-wise Sectoral Contribution to SGDP during 1990-91 to 1999-00

(Rs.in Crores)

Years	Agriculture Sector	Industry Sector	Service Sector	Total
1990-91	1177273(31.7)	889622(23.9)	1652527(44.4)	3719422
1991-92	1460295(32.3)	1047311(23.2)	2014923(44.6)	4522529
1992-93	1602824(32.6)	1120654(22.8)	2192261(44.6)	4915739
1993-94	1963552(32.7)	1394638(23.2)	2645108(44.1)	6003298
1994-95	2306221(32.3)	1721505(24.1)	3113284(43.6)	7141010
1995-96	2665717(32.2)	1965248(23.8)	3636387(44.0)	8267352
1996-97	3014552(32.3)	2181451(23.4)	4137279(44.3)	9333282
1997-98	2796526(28.2)	2508084(25.3)	4616790(46.5)	9921400
1998-99	3733329(31.4)	2816166(23.7)	5352607(45.0)	11902102
1999-00	3712600(28.7)	3120400(24.1)	6107300(47.2)	12940300
CGR	-1.1	0.5	0.6	14.94
t Values	2.3	1.5	2.2	28.32

Source: Govt. of A.P. Statistical Abstract of Andhra Pradesh from 1990-91 to 1999-2000, Hyderabad.

Note: Parenthesis indicates percentage.

1.2.5. Sectoral Share of SGDP during 2000-01 to 2012-13

The sectoral contribution of SGDP in the state of Andhra Pradesh during 2000-01 to 2012-13 is shown in table 5. The table shows that the SGDP in Andhra Pradesh has increased to Rs 74578200 Crores during 2012-2013 from Rs.14509000 crores during 2000-01 i.e. an increase of 5.1 times. The percentage share of agricultural sector has declined to 23.0 percent during 2012-2013 from 29.8 percent during 2000-01. Where it has increased to 24.8 percent and 52.2 percent from 23.0 percent and 47.2 percent in the case of industrial and service sectors. The percent share of agricultural sector to gross domestic products is declining. The compound growth rate accounts for -2.0 percent and is significant at 0.05 percent (2.262) level as the calculated 't' value account for 8.2. At the same time the contribution of industrial and service sectors is increasing. The compound growth rates account for 1.2 percent and 0.4 percent and is significant at 0.05 percent (2.262) level as the calculated 't' value account for 4.1 and 3.4. On the whole the compound growth rate of SGDP is highly increasing which accounts for 15.66 percent and is significant at 0.05 percent (2.262) level as the calculated 't' value account 23.28.

Table 5
Year-wise Sectoral Contribution to SGDP during 2000-01 to 2012-13
(Rs.in crores)

Years	Agriculture Sector	Industry Sector	Service Sector	Total
2000-01	4322100(29.8)	3329200(22.9)	6857700(47.2)	14509000
2001-02	4444400(28.3)	3603400(23.0)	7667200(48.8)	15715000
2002-03	4312500(25.6)	4085000(24.3)	8416800(50.1)	16814300
2003-04	5124600(26.8)	4498200(23.6)	9465200(49.6)	19088000
2004-05	5454900(26.2)	4995000(24.0)	10364900(49.8)	20814800
2005-06	6019800(25.9)	5627700(24.2)	11585600(49.9)	23233100
2006-07	6240500(23.9)	6488200(24.9)	13344700(51.2)	26073400
2007-08	8677500(23.8)	9871700(27.1)	17932100(49.1)	36481300
2008-09	9952000(23.3)	11712900(27.5)	21011600(49.2)	42676500
2009-10	11189500(23.5)	12636200(26.5)	23857800(50.0)	47683500
2010-11	13489800(23.6)	15006600(26.3)	28602700(50.1)	57099100
2011-12	14663000(22.4)	17412400(26.6)	33442700(51.0)	65518100
2012-13	17165100(23.0)	18519800(24.8)	38893300(52.2)	74578200
CGR	-2.0	1.2	0.4	15.66
't'Values	8.2	4.1	3.4	23.28

Source: Govt. of A.P Statistical Abstract of Andhra Pradesh from 2000-01 to 2012-13, Hyderabad.

Note: Parenthesis indicates percentage.

FINDINGS

The following are the main findings of the present study.

1. The percentage share of agricultural sector in SGDP is declining in all the decades continuously.
2. The percentage share of industrial sector in SGDP is increasing slowly from 60's to 90's but it is significant from 2000 - 01 onwards.
3. The percentage share of service sector in SGDP is also slowly increasing during 60's, 70's and 80's but significantly increased from 90's onwards.
4. On the whole the compound growth rate of SGDP is significant during the study period.

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