

**Table - 1: BIOMASS GENERATION, CONSUMPTION AND SURPLUS**  
(Excluding Bagasse)

S. No	District	Type of biomass	Total biomass generation	Consumption	Estimated Total Surplus	(Tons/Year)	
						Estimated Total Surplus without paddy straw Scenario-II	Estimated Total Surplus without paddy straw & sugarcane trash Scenario-III
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1.	Adilabad	Paddy, Maize, Cotton, jowar	7,93,261	7,21,961	71300	71300	71300
		Rice husk	35,650	26,960	8690	8690	8690
		Forest & waste lands	9,77,087	9,77,087	-	-	-
		Horticulture & social forestry	7,090	7,090	-	-	-
					79990	79990	79990
2.	Karimnagar	Paddy, cotton, groundnut, maize	16,14,055	13,84,475	229580	61034	52357
		Rice husk	1,68,667	1,34,514	34153	34153	34153
		Forest & current fallow lands	2,56,867	2,56,867	-	-	-
		Horticulture & social forestry	7367	7367	-	-	-
					263733 *	95187	86510
3.	Nizamabad	Paddy, maize, sugarcane	13,94,560	11,73,160	2,21,400	221400	101500
		Rice husk	1,08,440	79,450	28,990	28990	28990
		Forest lands, cultivable lands	3,36,543	3,36,543	-	-	-
		Horticulture & social forestry	5800	5800	-	-	-
					250390	250390	130490
4.	Medak	Paddy, maize, sugarcane	13,44,162	12,53,216	90946	90946	2528
		Rice husk	94,584	60,542	34042	34042	34042
		Current fallow & forest lands	2,44,540	2,44,540	-	-	-
		Horticulture & social forestry	21,319	21,319	-	-	-
					124988	124988	36570
5.	Warangal	Paddy, maize, cotton, groundnut	15,98,956	14,60,956	138000	113500	113500
		Rice husk, groundnut shell	1,38,790	1,18,520	20270	20270	20270
		Cultivable waste lands & forest lands	3,16,093	3,16,093	-	-	-
		Horticulture & social forestry	21,470	21,470	-	-	-
					158270 *	133770	133770

(Tons/Year)

S. No	District	Type of biomass	Total biomass generation	Consumption	Estimated Total Surplus Scenario-I	Estimated Total Surplus without paddy straw Scenario-II	Estimated Total Surplus without paddy straw & sugarcane trash Scenario-III
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
6.	Khammam	Paddy, maize, groundnut, cotton	12,72,462	11,77,962	94500	94500	72800
		Rice husk	98,920	90,720	8200	8200	8200
		Cultivable waste & forest lands	3,73,423	3,73,423	-	-	-
		Horticulture & social forestry	34,910	34,910	-	-	-
					102700	102700	81000
7.	Rangareddy	Paddy, maize, sugarcane	5,21,607	5,21,607	-	-	-
		Rice husk	89,551	89,551	-	-	-
		Current fallow & forest lands	1,42,566	1,42,566	-	-	-
		Horticulture & social forestry	20,724	20,724	-	-	-
					-	-	-
8.	Nalgonda	Paddy, cotton, groundnut	17,98,992	17,38,892	60100	60100	60100
		Rice husk	3,32,360	2,78,870	53490	53490	53490
		Waste & Forest lands	5,23,133	5,00,660	22473	22473	22473
		Horticulture & social forestry	17,290	17,290	-	-	-
					136063	136063	136063
9.	Mahaboob-nagar	Paddy, groundnut, cotton	14,70,362	14,30,362	40000	40000	40000
		Rice husk	79,620	68,030	11590	11590	11590
		Forest & cultivable waste lands	2,29,574	2,29,574	-	-	-
		Horticulture & social forestry	5,680	5,680	-	-	-
					51590	51590	51590
10.	Srikakulam	Paddy, groundnut, chilies, mesta, sugarcane	8,23,873	8,12,863	11010	11010	-
		Rice husk	85,344	51,731	33613	33613	33613
		Cultivable waste & forest lands	79,855	79,855	-	-	-
		Horticulture & social forestry	1,53,498	1,53,498	-	-	-
					44623	44623	33613

(Tons/Year)

S. No	District	Type of biomass	Total biomass generation	Consumption	Estimated Total Surplus Scenario-I	Estimated Total Surplus without paddy straw Scenario-II	Estimated Total Surplus without paddy straw & sugarcane trash Scenario-III
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
11.	Vizianagaram	Paddy, groundnut, sugarcane, cotton, jute	9,11,512	7,40,786	170726	91710	57741
		Rice husk	65,874	43,600	22274	22274	22274
		Forest & un-cultivable lands	98,454	98,454	-	-	-
		Horticulture & social forestry	82,167	82,167	-	-	-
					193000*	113984	80015
12.	Visakhapatnam	Paddy, bajra, chilies, groundnut, sugarcane	7,45,017	6,69,615	75402	75402	6697
		Rice husk	41,742	41,742	-	-	-
		Forest and un-cultivable lands	3,74,272	3,74,272	-	-	-
		Horticulture	96,847	96,847	-	-	-
		Social forestry	10,300	10,300	-	-	-
					75402	75402	6697
13.	East Godavari	Paddy, maize, sugarcane	25,10,781	22,66,852	243929	73674	36937
		Rice husk	3,37,125	2,18,566	118559	118559	118559
		Forest & un-cultivable lands	2,71,690	2,71,690	-	-	-
		Horticulture & social forestry	3,98,489	3,98,489	-	-	-
					362488	192233	155496
14.	West Godavari	Paddy, maize, sugarcane	26,46,478	23,66,959	279519	107902	-
		Rice husk	3,21,524	2,36,050	85474	85474	85475
		Forest & un-cultivable lands	90,924	90,924	-	-	-
		Horticulture	2,73,586	2,73,586	-	-	-
					364993*	193376	85475

(Tons/Year)

District	Type of biomass	Total biomass generation	Consumption	Estimated Total Surplus Scenario-I	Estimated Total Surplus without paddy straw Scenario-II	Estimated Total Surplus without paddy straw & sugarcane trash Scenario-III
(2)	(3)	(4)	(5)	(6)	(7)	(8)
Krishna	Paddy, maize, cotton, sugarcane, chilies	22,17,147	19,06,308	310839	66946	-
	Rice husk	2,98,862	2,77,654	21208	21208	21208
	Forest & un-cultivable lands	1,08,976	1,08,976	-	-	-
	Horticulture & social forestry	1,10,478	70,478	40000	40000	40000
				372047*	128154	61208
Guntur	Paddy, cotton, Chilli	35,79,980	30,49,138	530842	264352	250065
	Rice husk	1,96,125	1,62,901	33224	33224	33224
	Forest & un-cultivable lands	1,23,976	1,23,976	-	-	-
	Horticulture	17,829	17,829	-	-	-
				564066*	297576	283289
Prakasam	Paddy, maize, chilies, cotton, groundnut	19,56,394	17,12,111	244283	166787	166787
	Rice husk	64,869	27,389	37480	37480	37480
	Forest & waste lands	3,55,390	3,55,390	-	-	-
	Social forestry & horticulture	10,35,945	8,67,522	168423	168423	168423
				450186*	372690	372690

(Tons/Ye

S. No	District	Type of biomass	Total biomass generation	Consumption	Estimated Total Surplus Scenario-I	Estimated Total Surplus without paddy straw Scenario-II	Estimated Total Surplus without paddy straw & sugarcane trash Scenario-III
18.	Nellore	Paddy, groundnut, cotton, sugarcane	12,95,209	11,77,309	117900	89200	-
		Rice husk	2,04,510	1,74,100	30410	30410	30410
		Forest & cultivable waste lands	4,76,411	4,76,411	-	-	-
		Social forestry	88,700	88,700	-	-	-
		Horticulture	16,280	16,280	-	-	-
					<b>148310*</b>	<b>119610</b>	<b>30410</b>
19.	Cuddapah	Paddy, groundnut, sunflower	8,93,653	8,51,003	42650	42650	42650
		Rice husk, groundnut shells	1,22,560	94,740	27820	27820	27820
		Forest & uncultivable lands	5,33,826	5,33,826	-	-	-
		Horticulture	18,880	12,044	6836	6836	6836
					<b>77306</b>	<b>77306</b>	<b>77306</b>
20.	Chittoor	Paddy, groundnut, sugarcane	11,41,722	9,63,013	178709	178709	57405
		Rice husk	83,509	89,107	-5598	-5598	-5598
		Forest & uncultivable lands	4,27,872	4,27,872	-	-	-
		Horticulture	79,829	79,829	-	-	-
		Social forestry	87,500	87,500	-	-	-
					<b>173111</b>	<b>173111</b>	<b>51807</b>
21.	Anantapur	Paddy, groundnut, sunflower, cotton	19,37,308	18,79,008	58300	58300	58300
		Rice husk, groundnut shells	1,88,566	1,44,696	43870	43870	43870
		Forest & uncultivable lands	5,73,032	5,73,032	-	-	-
		Horticulture	12,450	12,450	-	-	-
					<b>102170</b>	<b>102170</b>	<b>102170</b>

(Tons/Year)

S. No	District	Type of biomass	Total biomass generation	Consumption	Estimated Total Surplus Scenario-I	Estimated Total Surplus without paddy straw Scenario-II	Estimated Total Surplus without paddy straw & sugarcane trash Scenario-III
22.	Kurnool	Paddy, groundnut, cotton, sunflower	14,60,026	13,42,026	118000	118000	118000
		Rice husk, groundnut shells	93,320	79,270	14050	14050	14050
		Waste & Forest lands	3,16,173	3,16,173	-	-	-
		Horticulture	6,890	6,890	-	-	-
					132050	132050	132050
Andhra Pradesh	Crop residue	33927517	30599582	3327935	2097422	1308668	
	Agro-industry residue	3250512	2588703	661809	661809	661809	
	Waste & Forest land	7230677	7208204	22473	22473	22473	
	Horticulture & social forestry	2631318	2416059	215259	215259	215259	
TOTAL		47040024	42812548	4227476*	2996963	2208209	

\* This total includes paddy straw. At present the surplus paddy straw is being used as green manure and compost in agriculture by the farmers. Even though the paddy straw is collectable resource, whenever some districts are declared as draught affected areas by the State Government this is diverted to meet the requirements of cattle fodder of such districts. So the surplus paddy straw is not considered as dependable resource for power generation.