

ANNEXURE I

BIOMASS ASSESSMENT STUDY FOR POWER GENERATION IN THE STATE OF RAJASTHAN 2021

FOR

RAJASTHAN RENEWABLE ENERGY CORPORATION LTD
E-166, YUDHISTHIR MARG, C-SCHEME, JAIPUR-302005, RAJASTHAN
WWW.ENERGY.RAJASTHAN.GOV.IN/RRECL



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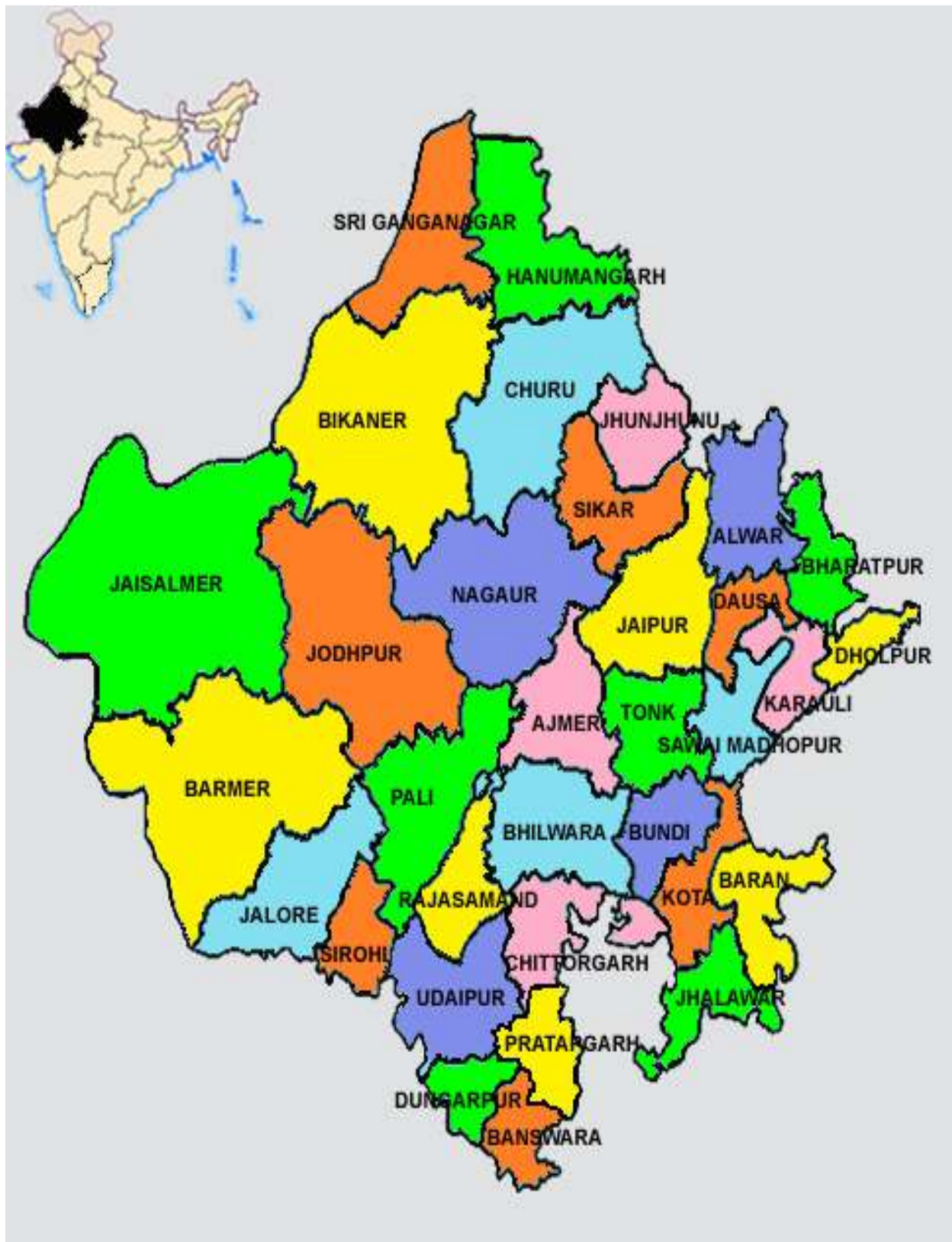
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ANNEXURE – A

1. Annexure 1.: District Map of Rajasthan



2. Annexure 2: Three Year Trend of Biomass Generation, Consumption and Surplus of Rajasthan

SI No	District	Generation in MT			Consumption in MT			Surplus in MT		
		FY 2017-18	FY 2018-19	FY 2019-20	FY 2017-18	FY 2018-19	FY 2019-20	FY 2017-18	FY 2018-19	FY 2019-20
1	Ajmer	1,56,966.9	1,83,204.3	1,96,497.9	1,17,570.8	1,41,487.6	1,48,158.5	39,396.2	41,716.8	48,339.4
2	Jaipur	3,10,786.4	3,54,914.5	4,62,399.4	3,21,422.4	3,63,015.3	4,74,769.3	-10636.1	-8100.8	-12369.9
3	Dausa	2,15,589.7	2,06,595.3	2,01,649.5	1,49,805.3	1,43,138.2	1,39,322.7	65,784.4	63,457.1	62,326.8
4	Tonk	6,07,906.2	8,56,413.8	9,37,192.9	4,92,318.6	6,82,965.6	7,46,130.1	1,15,587.7	1,73,448.2	1,91,062.8
5	Sikar	1,73,358.1	1,10,596.6	2,35,049.6	1,27,333.2	91,710.8	1,74,804.0	46,024.9	18,885.7	60,245.6
6	Jhunjhunu	2,12,890.0	4,29,320.3	2,46,534.7	1,46,601.3	3,27,443.7	1,78,569.4	66,288.7	1,01,876.6	67,965.3
7	Nagaur	2,46,432.2	3,13,920.2	3,34,555.5	2,06,522.0	2,73,362.5	2,88,737.5	39,910.2	40,557.7	45,818.0
8	Alwar	9,38,531.8	34,64,042.2	10,23,016.8	15,70,230.8	41,87,690.1	16,77,559.5	-631699.0	-723647.9	-654542.7
9	Bharatpur	7,08,320.5	8,86,125.1	7,42,611.9	17356.6	13,952.50	18646.9	690962.3	886125.1	7,23,965.00
10	Dholpur	2,47,173.6	2,76,109.5	2,50,227.4	70,966.4	79,614.6	72,019.1	1,76,207.2	1,96,494.8	1,78,208.3
11	Sawai Madhopur	3,16,646.5	5,48,943.5	5,18,933.1	41,803.6	66,499.8	68,187.5	2,74,842.9	4,82,443.6	4,50,745.7
12	Karoli	2,41,118.8	3,02,586.1	3,02,781.3	38,280.8	48,230.0	48,126.4	2,02,838.0	2,54,355.9	2,54,654.9
13	Bikaner	12,65,272.4	14,28,786.3	14,61,947.3	1265272.4	1351233.8	13,74,110.0	96,770.1	77,552.3	87,837.3
14	Churu	4,27,329.6	5,75,958.3	5,01,771.9	2,80,015.8	3,52,940.9	3,24,271.8	1,47,313.8	2,23,017.4	1,77,500.1
15	Jaisalmer	1,70,467.2	2,13,313.7	2,42,830.5	1,31,745.6	1,67,959.4	1,95,199.8	38,721.7	45,354.4	47,630.7
16	Ganganagar	12,39,139.4	12,18,343.2	13,34,698.6	11,79,845.2	11,67,266.3	11,74,720.5	59,294.1	51,076.9	1,59,978.1
17	Hanumanagar	8,87,454.8	10,17,620.5	10,36,308.4	7,24,922.4	8,58,662.1	8,47,340.6	1,62,532.4	1,58,958.4	1,88,967.8
18	Jodhpur	9,35,199.6	9,56,102.0	13,98,440.7	2,16,026.3	2,10,540.9	3,35,441.5	7,19,173.3	7,45,561.1	10,62,999.1
19	Barmer	84,037.3	70,398.8	1,10,538.0	16,334.8	13,233.7	21,123.9	67,702.6	57,164.9	89,414.1
20	Jalore	3,60,390.0	3,42,464.0	4,58,961.2	2,28,113.9	2,19,600.7	2,50,389.6	1,32,276.0	1,22,863.3	2,08,571.7
21	Pali	1,43,910.1	1,57,358.2	2,08,175.2	46,756.1	62,173.5	66,646.6	97,153.9	95,184.8	1,41,528.6
22	Sirohi	46,169.1	2,07,211.4	2,63,304.7	11,178.1	90,088.0	1,07,602.9	34,991.1	1,17,123.5	1,55,701.6

23	Kota	1,90,037.7	2,99,345.3	1,75,394.7	1,88,869.5	2,98,665.1	1,74,994.8	1,168.2	680.2	400.0
24	Baran	3,86,940.2	5,36,275.2	2,85,161.2	4,70,056.7	6,83,239.7	3,62,777.5	-83116.5	-146964.5	-77616.3
25	Bundi	3,05,247.0	4,68,446.1	3,20,608.1	2,86,291.7	4,06,657.5	2,77,272.1	18,955.3	61,788.5	43,336.1
26	Jhalawar	2,48,419.9	4,06,061.2	1,52,195.2	2,28,734.6	2,28,666.3	63,634.6	19,685.3	1,77,394.9	88,560.8
27	Banswara	2,97,687.3	2,94,629.3	2,38,201.2	2,77,869.1	2,80,692.7	2,15,712.3	19,818.3	13,936.6	22,489.0
28	Dungarpur	1,27,630.2	1,47,259.1	1,17,159.0	1,25,598.9	1,46,301.1	1,15,870.9	2,031.4	958.0	1,288.2
29	Udaipur	3,48,991.5	4,88,578.3	2,62,389.1	3,39,259.2	4,79,373.6	2,54,605.4	9,732.3	9,204.7	7,783.6
30	Pratapgarh	1,56,250.1	1,95,438.2	1,15,266.0	1,30,991.1	1,51,280.9	91,929.4	25,259.1	44,157.4	23,336.8
31	Bhilwara	7,17,778.3	7,74,669.2	5,76,697.6	5,98,410.5	6,40,976.2	4,46,319.6	1,19,367.8	1,33,692.9	1,30,378.1
32	Chittogarh	6,78,651.4	8,57,252.8	4,15,166.6	5,76,145.3	6,64,350.5	3,57,058.2	1,02,506.2	1,92,902.1	58,108.3
33	Rajsamand	2,39,505.1	2,16,207.3	1,77,755.9	2,28,966.9	2,04,233.7	1,70,272.8	10,538.2	11,973.6	7,483.2
TOTAL		1,36,32,228.9	1,88,04,489.8	1,53,04,421.1	1,08,51,615.9	1,50,97,247.3	1,12,62,325.7	28,77,382.0	37,21,194.2	40,42,096.1

Source: Biomass Generation was extracted from Agricultural Department, Government of Rajasthan, for the period FY 2017-18, FY 2018-19 & FY 2019-20. Biomass consumption arrived from primary data (the primary data collected at field level by discussion with farmers, local people, biomass suppliers and traders, other biomass consuming industries and personal observation by the field enumerators). Surplus biomass calculated from biomass generation and consumption.

Website: <https://agriculture.rajasthan.gov.in/content/agriculture/en/Agriculture-Department-dep/agriculture-statistics.html>.

The Major Agro Crops considered for the study are as below:

1. Mustard Husk.
2. Paddy Straw
3. Maize Straw
4. Ground Nut Stalks
5. Castor Stem
6. Cotton Stalks

The net surplus biomass in Alwar, Baran and Jaipur districts is coming negative on account of more consumption than these districts generate by themselves. Additional quantity required is met through import of biomass from adjoining districts and states. After Primary survey and data collation in study, it has been identified that in Alwar district biomass demand is significantly higher due to various industrialization and promoting green fuel for their process industries as a cost economically and environment friendly .

3. Annexure 3: Ajmer Cultivated Area

1	Ajmer	Cultivated Area											
S.No	Crop Name	FY 2017-18			FY 2018-19			FY 2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	7	2333	21	6	2291	14	3	2333	7	5	2319	14
2	Maize	23366	1255	29316	22687	1714	3887	22475	1339	30091	22843	1436	21098
3	G.Nut	1483	1409	2089	1243	1064	1322	1196	1385	1657	1307	1286	1689
4	Castor	135	1022	138	207	1014	210	491	418	205	278	818	184
5	Cotton	12057	773	54808	10771	746	47237	10063	666	39408	10964	728	47151
6	Mustard	23834	1706	40652	27980	1815	50785	38301	1774	67947	30038	1765	53128
Total		60882	8498	127024	62894	8644	103455	72529	7915	139315			

4. Annexure 4(A): Ajmer Biomass Generation, Consumption & Surplus/Deficit

1	Ajmer		Biomass Generation, Consumption & Surplus/Deficit (in MT) FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption in MT							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	16.3	15.2	0.0	0.0	1.2	0.0	0.0	16.3	0.0
2	Maize Stalks	1.5	43986.5	41787.2	0.0	0.0	2199.3	0.0	0.0	43986.5	0.0
3	Ground Nut Stalks	2.0	4179.1	836.0	417.6	0.0	208.8	0.0	1253.6	2716.0	1463.1
4	Castor Stem	1.3	179.4	0.0	107.5	53.8	18.0	0.0	0.0	179.4	0.0
5	Cotton Stalks	3.8	35416.2	0.0	1770.3	2453.8	1770.3	0.0	12395.5	18389.9	17026.3
6	Mustard Stalks & Husk	1.8	73189.4	0.0	10977.9	0.0	7318.6	0.0	33986.1	52282.7	20906.8
	Total		156966.9							117570.8	39396.2

5. Annexure 4 (B): Ajmer Biomass Generation, Consumption & Surplus/Deficit

1	Ajmer		Biomass Generation, Consumption & Surplus/Deficit (in MT) FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption in MT							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	13.7	12.8	0.0	0.0	1.0	0.0	0.0	13.7	0.0
2	Maize Stalks	1.5	58328.3	55412.0	0.0	0.0	2916.3	0.0	0.0	58328.3	0.0
3	Ground Nut Stalks	2.0	2645.1	529.1	264.3	0.0	132.2	0.0	793.4	1719.1	926.1
4	Castor Stem	1.3	272.9	0.0	163.6	81.9	27.4	0.0	0.0	272.9	0.0
5	Cotton Stalks	3.8	30533.6	0.0	1526.2	2115.5	1526.2	0.0	10686.6	15854.6	14679.0
6	Mustard Stalks & Husk	1.8	91410.7	0.0	13711.0	0.0	9140.7	0.0	42447.3	65299.0	26111.7
	Total		183204.3							141487.6	41716.8

6. Annexure 4 (C): Ajmer Biomass Generation, Consumption & Surplus/Deficit

1	Ajmer		Biomass Generation, Consumption & Surplus/Deficit (in MT) FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption in MT							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	7.0	6.5	0.0	0.0	0.5	0.0	0.0	7.0	0.0
2	Maize Stalks	1.5	45141.0	42884.1	0.0	0.0	2257.0	0.0	0.0	45141.0	0.0
3	Ground Nut Stalks	2.0	3312.9	662.7	331.1	0.0	165.5	0.0	993.8	2153.1	1159.9
4	Castor Stem	1.3	266.8	0.0	160.0	80.1	26.8	0.0	0.0	266.8	0.0
5	Cotton Stalks	3.8	25467.4	0.0	1273.0	1764.5	1273.0	0.0	8913.5	13224.0	12243.4
6	Mustard Stalks & Husk	1.8	122302.8	0.0	18344.6	0.0	12229.7	0.0	56792.3	87366.6	34936.1
	Total		196497.9							148158.5	48339.4

7. Annexure 5: Jaipur Cultivated Area

2	Jaipur	Cultivated Area											
S.No	Crop Name	FY 2017-18			FY 2018-19			FY 2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	0	0	0	0	0	0	0	0	0	0	0	0
2	Maize	1601	1133	1814	1505	1588	2390	1410	1297	1829	1505	1339	2011
3	G.Nut	32185	1691	54436	31080	2102	65321	37379	2246	83937	33548	2013	67898
4	Castor	0	0	0	0	0	0	1	0	0	0	0	0
5	Cotton	191	551	619	502	552	1630	648	623	2375	447	575	1541
6	Mustard	67846	1628	110475	85321	1430	121993	95686	1685	161278	82951	1581	131249
Total		101823	5003	167344	118408	5672	191334	135124	5851	249419			

8. Annexure 6 (A): Jaipur Biomass Generation, Consumption & Surplus/Deficit

2	Jaipur		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	2720.9	2720.9	0.0	0.0	0.0	0.0	0.0	2720.9	0.0
3	Ground Nut Stalks	2.0	108849.7	21769.5	10885.3	0.0	5442.1	0.0	32654.8	70751.7	38097.9
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	399.9	0.0	199.3	80.3	120.4	0.0	0.0	399.9	0.0
6	Mustard Stalks & Husk	1.8	198815.9	0.0	0.0	0.0	8122.5	50552.6	188874.9	247549.9	-48734.0
	Total		310786.4							321422.4	-10636.1

9. Annexure 6(B): Jaipur Biomass Generation, Consumption & Surplus/Deficit

2	Jaipur		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	3584.9	3584.9	0.0	0.0	0.0	0.0	0.0	3584.9	0.0
3	Ground Nut Stalks	2.0	130660.3	26131.6	13066.4	0.0	6532.6	0.0	39198.0	84928.5	45731.8
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	1053.0	0.0	524.7	211.3	317.0	0.0	0.0	1053.0	0.0
6	Mustard Stalks & Husk	1.8	219616.3	0.0	0.0	0.0	8972.3	55841.4	208635.2	273448.9	-53832.6
	Total		354914.5							363015.3	-8100.8

10. Annexure 6(C): Jaipur Biomass Generation, Consumption & Surplus/Deficit

2	Jaipur		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	2743.2	2743.2	0.0	0.0	0.0	0.0	0.0	2743.2	0.0
3	Ground Nut Stalks	2.0	167906.5	33580.7	16791.1	0.0	8394.8	0.0	50371.8	109138.3	58768.1
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	1534.1	0.0	764.5	307.8	461.8	0.0	0.0	1534.1	0.0
6	Mustard Stalks & Husk	1.8	290215.6	0.0	0.0	0.0	11856.6	73792.6	275704.5	361353.7	-71138.0
	Total		462399.4							474769.3	-12369.9

11. Annexure 7: Dausa Cultivated Area

3.	Dausa	Cultivated Area											
S.No	Crop Name	FY 2017-18			FY 2018-19			FY 2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	0	0	0	0	0	0	0	0	0	0	0	0
2	Maize	384	2034	781	336	2241	753	436	1298	566	385	1858	700
3	G.Nut	9078	1603	14551	10416	1743	18152	11096	1880	20856	10197	1742	17853
4	Castor	1	1000	1	0	0	0	0	0	0	0	333	0
5	Cotton	6	538	19	4	553	13	2	595	7	4	562	13
6	Mustard	48399	2127	102924	51803	1814	93975	53238	1660	88392	51147	1867	95097
Total		57868	7302	118276	62559	6351	112893	64772	5433	109821			

12. Annexure 8 (A): Dausa Biomass Generation, Consumption & Surplus/Deficit

3	Dausa		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	1171.6	1113.0	0.0	0.0	58.6	0.0	0.0	1171.6	0.0
3	Ground Nut Stalks	2.0	29104.1	5821.0	2910.5	0.0	1454.8	0.0	8731.5	18917.8	10186.3
4	Castor Stem	1.3	1.3	0.0	0.1	0.1	0.0	0.0	0.0	0.2	1.1
5	Cotton Stalks	3.8	12.3	0.0	0.0	0.0	0.0	0.0	4.6	4.6	7.7
6	Mustard Stalks & Husk	1.8	185300.4	0.0	27795.2	0.0	18530.2	0.0	83385.7	129711.1	55589.3
	Total		215589.7							149805.3	65784.4

13. Annexure 8 (B): Dausa Biomass Generation, Consumption & Surplus/Deficit

3	Dausa		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	1129.5	1073.0	0.0	0.0	56.5	0.0	0.0	1129.5	0.0
3	Ground Nut Stalks	2.0	36310.2	7262.3	3631.1	0.0	1815.0	0.0	10893.4	23601.8	12708.4
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	8.4	0.0	0.0	0.0	0.0	0.0	3.2	3.2	5.3
6	Mustard Stalks & Husk	1.8	169147.2	0.0	25372.2	0.0	16914.8	0.0	76116.7	118403.7	50743.4
	Total		206595.3							143138.2	63457.1

14. Annexure 8 (C): Dausa Biomass Generation, Consumption & Surplus/Deficit

3	Dausa		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	848.9	806.4	0.0	0.0	42.4	0.0	0.0	848.9	0.0
3	Ground Nut Stalks	2.0	41721.0	8344.5	4172.2	0.0	2085.5	0.0	12516.7	27118.8	14602.1
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	4.5	0.0	0.0	0.0	0.0	0.0	1.7	1.7	2.8
6	Mustard Stalks & Husk	1.8	159075.1	0.0	23861.4	0.0	15907.6	0.0	71584.3	111353.3	47721.9
	Total		201649.5							139322.7	62326.8

15. Annexure 9: Tonk Cultivated Area

4	Tonk	Cultivated Area											
S.No	Crop Name	FY 2017-18			FY 2018-19			FY 2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	2	2500	5	2	2000	4	0	0	0	1	1500	3
2	Maize	7320	4396	32179	6057	1482	8978	6924	1042	7215	6767	2307	16124
3	G.Nut	11692	969	11329	15383	1315	20233	18101	1441	26082	15059	1242	19215
4	Castor	15	533	8	41	488	20	260	273	71	105	431	33
5	Cotton	966	762	4332	782	552	2539	500	623	1833	749	646	2901
6	Mustard	186641	1590	296762	270128	1647	444994	282446	1717	485077	246405	1651	408944
Total		206636	10750	344615	292393	7484	476768	308231	5096	520278			

16. Annexure 10 (A): Tonk Biomass Generation, Consumption & Surplus/Deficit

4	Tonk		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0
2	Maize Stalks	1.5	48268.1	45854.2	0.0	0.0	2413.8	0.0	0.0	48268.1	0.0
3	Ground Nut Stalks	2.0	22659.1	5665.1	2265.6	0.0	1133.2	0.0	6797.6	15861.5	6797.6
4	Castor Stem	1.3	10.4	0.0	6.4	3.6	0.4	0.0	0.0	10.4	0.0
5	Cotton Stalks	3.8	2797.1	0.0	279.9	140.0	140.0	0.0	279.9	839.8	1957.3
6	Mustard Stalks & Husk	1.8	534166.5	0.0	53416.4	0.0	26708.6	240375.1	106833.7	427333.8	106832.8
	Total		607906.2							492318.6	115587.7

17. Annexure 10 (B): Tonk Biomass Generation, Consumption & Surplus/Deficit

4	Tonk		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0
2	Maize Stalks	1.5	13464.7	12791.4	0.0	0.0	673.4	0.0	0.0	13464.7	0.0
3	Ground Nut Stalks	2.0	40457.3	10115.0	4045.2	0.0	2023.3	0.0	12136.9	28320.4	12136.9
4	Castor Stem	1.3	26.0	0.0	16.0	9.0	1.0	0.0	0.0	26.0	0.0
5	Cotton Stalks	3.8	1640.3	0.0	164.2	82.1	82.1	0.0	164.2	492.5	1147.8
6	Mustard Stalks & Husk	1.8	800821.5	0.0	80081.8	0.0	40041.5	360369.9	160164.8	640658.0	160163.5
	Total		856413.8							682965.6	173448.2

18. Annexure 10 (C): Tonk Biomass Generation, Consumption & Surplus/Deficit

4	Tonk		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	10822.2	10281.0	0.0	0.0	541.2	0.0	0.0	10822.2	0.0
3	Ground Nut Stalks	2.0	52167.1	13042.6	5216.0	0.0	2608.9	0.0	15649.8	36517.3	15649.8
4	Castor Stem	1.3	92.3	0.0	56.8	31.9	3.5	0.0	0.0	92.3	0.0
5	Cotton Stalks	3.8	1183.7	0.0	118.5	59.2	59.2	0.0	118.5	355.4	828.3
6	Mustard Stalks & Husk	1.8	872927.6	0.0	87292.3	0.0	43646.9	392817.6	174586.1	698342.9	174584.7
	Total		937192.9							746130.1	191062.8

19. Annexure 11: Sikar Cultivated Area

5	Sikar	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	0	0	0	0	0	0	0	0	0	0	0	0
2	Maize	1	2000	2	5	2240	11	2	1500	3	3	1913	5
3	G.Nut	22544	2221	50072	2517	2294	57745	25917	2413	62540	16993	2309	56786
4	Castor	0	0	0	0	0	0	1	2000	2	0	667	1
5	Cotton	19	555	62	34	550	110	77	623	282	43	576	151
6	Mustard	33024	1231	40659	38717	1420	54974	46594	1309	6099	39445	1320	33911
Total		55588	6007	90795	41273	6504	112840	72591	7845	68926			

20. Annexure 12 (A): Sikar Biomass Generation, Consumption & Surplus/Deficit

5	Sikar		Biomass Generation, Consumption &Surplus/Deficit in MT FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	3.0	2.8	0.0	0.0	0.2	0.0	0.0	3.0	0.0
3	Ground Nut Stalks	2.0	100140.4	20028.5	10014.2	0.0	5007.1	0.0	30041.8	65091.6	35048.9
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	40.1	0.0	28.1	4.1	7.9	0.0	0.0	40.1	0.0
6	Mustard Stalks & Husk	1.8	73174.6	0.0	7317.6	0.0	3658.7	7317.6	43904.7	62198.5	10976.0
	Total		173358.1							127333.2	46024.9

21. Annexure 12 (B): Sikar Biomass Generation, Consumption & Surplus/Deficit

5	Sikar		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	16.8	15.6	0.0	0.0	1.2	0.0	0.0	16.8	0.0
3	Ground Nut Stalks	2.0	11548.0	2309.6	1154.8	0.0	577.4	0.0	3464.4	7506.2	4041.8
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	71.1	0.0	49.8	7.2	14.1	0.0	0.0	71.1	0.0
6	Mustard Stalks & Husk	1.8	98960.7	0.0	9896.2	0.0	4948.0	9896.2	59376.4	84116.7	14843.9
	Total		110596.6							91710.8	18885.7

22. Annexure 12 (C): Sikar Biomass Generation, Consumption & Surplus/Deficit

5	Sikar		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	4.5	4.2	0.0	0.0	0.3	0.0	0.0	4.5	0.0
3	Ground Nut Stalks	2.0	125075.4	25015.6	12507.8	0.0	6253.9	0.0	37522.2	81299.4	43776.0
4	Castor Stem	1.3	2.6	0.0	0.3	0.2	0.0	0.0	0.0	0.5	2.1
5	Cotton Stalks	3.8	182.3	0.0	127.7	18.5	36.2	0.0	0.0	182.3	0.0
6	Mustard Stalks & Husk	1.8	109784.8	0.0	10978.6	0.0	5489.2	10978.6	65870.9	93317.3	16467.5
	Total		235049.6							174804	60245.6

23. Annexure 13: Jhunjhunu Cultivated Area

6	Jhunjhunu	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	0	0	0	0	0	0	0	0	0	0	0	0
2	Maize	0	0	0	0	0	0	2	1500	3	1	500	1
3	G.Nut	4270	1748	7462	6487	14896	2296	8200	2200	18040	6319	6281	9266
4	Castor	18	611	11	43	512	22	128	656	84	63	593	39
5	Cotton	8690	410	20968	14063	550	45512	1667	496	48664	8140	15473	#REF!
6	Mustard	58643	1747	102447	68866	1667	114813	73931	1557	115090	67147	1657	110783
Total		71621	4516	130888	89459	17625	162643	83928	6409	181881			

24. Annexure 14 (A): Jhunjhunu Biomass Generation, Consumption & Surplus/Deficit

6	Jhunjhunu		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	Ground Nut Stalks	2.0	14927.9	3732.0	1493.2	0.0	746.6	0.0	7464.0	13435.8	1492.2
4	Castor Stem	1.3	14.3	0.0	8.6	4.9	0.8	0.0	0.0	14.3	0.0
5	Cotton Stalks	3.8	13539.0	0.0	1355.0	677.5	677.5	0.0	1355.0	4065.1	9473.9
6	Mustard Stalks & Husk	1.8	184408.8	0.0	18440.9	0.0	9220.4	36881.8	64543.1	129086.1	55322.6
	Total		212890							146601.3	66288.7

25. Annexure 14 (B): Jhunjhunu Biomass Generation, Consumption & Surplus/Deficit

6	Jhunjhunu		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	Ground Nut Stalks	2.0	193260.7	48315.2	19331.5	0.0	9665.7	0.0	96630.4	173942.7	19318.0
4	Castor Stem	1.3	28.6	0.0	17.2	9.9	1.6	0.0	0.0	28.6	0.0
5	Cotton Stalks	3.8	29391.7	0.0	2941.6	1470.8	1470.8	0.0	2941.6	8824.9	20566.8
6	Mustard Stalks & Husk	1.8	206639.3	0.0	20663.9	0.0	10332.0	41327.9	72323.8	144647.5	61991.8
	Total		429320.3							327443.7	101876.6

26. Annexure 14 (C): Jhunjhunu Biomass Generation, Consumption & Surplus/Deficit

6	Jhunjhunu		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	4.5	3.7	0.0	0.0	0.3	0.0	0.0	4.0	0.5
3	Ground Nut Stalks	2.0	36080.0	9020.0	3609.0	0.0	1804.5	0.0	18040.0	32473.5	3606.5
4	Castor Stem	1.3	109.2	0.0	65.5	37.7	6.0	0.0	0.0	109.2	0.0
5	Cotton Stalks	3.8	3142.0	0.0	314.5	157.2	157.2	0.0	314.5	943.4	2198.6
6	Mustard Stalks & Husk	1.8	207199.0	0.0	20719.9	0.0	10360.0	41439.8	72519.7	145039.3	62159.7
	Total		246534.7							178569.4	67965.3

27. Annexure 15: Nagaur Cultivated Area

7	Nagaur	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	0	0	0	0	0	0	0	0	0	0	0	0
2	Maize	22	2045	45	14	2214	31	8	1250	10	15	1836	29
3	G.Nut	17595	1758	30936	17784	1840	32721	17677	2227	39361	17685	1942	34339
4	Castor	33	1121	37	49	816	40	51	608	31	44	848	36
5	Cotton	53727	431	136262	54079	435	138358	55801	476	156144	54536	447	143588
6	Mustard	45032	1190	53592	65474	1349	88293	72103	1193	86025	60870	1244	75970
Total		116409	6545	220872	137400	6654	259443	145640	5754	281571			

28. Annexure 16 (A): Nagaur Biomass Generation, Consumption & Surplus/Deficit

7	Nagaur		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2017-18								
Sl.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	67.5	67.5	0.0	0.0	0.0	0.0	0.0	67.5	0.0
3	Ground Nut Stalks	2.0	61864.0	19962.8	0.0	9822.3	5485.9	15539.1	10740.9	61551.0	313.0
4	Castor Stem	1.3	48.1	0.0	28.9	16.8	2.4	0.0	0.0	48.1	0.0
5	Cotton Stalks	3.8	87994.1	0.0	8799.6	8799.6	4399.4	8799.6	17598.5	48396.9	39597.2
6	Mustard Stalks & Husk	1.8	96458.5	0.0	9645.5	0.0	4822.8	72343.6	9646.6	96458.5	0.0
	Total		246432.2							206522	39910.2

29. Annexure 16 (B): Nagaur Biomass Generation, Consumption & Surplus/Deficit

7	Nagaur		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2018-19								
Sl.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	46.5	46.5	0.0	0.0	0.0	0.0	0.0	46.5	0.0
3	Ground Nut Stalks	2.0	65445.1	21118.3	0.0	10390.9	5803.5	16438.6	11362.6	65114.0	331.2
4	Castor Stem	1.3	52.0	0.0	31.3	18.1	2.6	0.0	0.0	52.0	0.0
5	Cotton Stalks	3.8	89392.6	0.0	8939.5	8939.5	4469.3	8939.5	17878.2	49166.0	40226.5
6	Mustard Stalks & Husk	1.8	158984.0	0.0	15897.9	0.0	7948.9	119237.5	15899.6	158984.0	0.0
	Total		313920.2							273362.5	40557.7

30. Annexure 16 (C): Nagaur Biomass Generation, Consumption & Surplus/Deficit

7	Nagaur		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2019-20								
Sl.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	15.0	15.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0
3	Ground Nut Stalks	2.0	78733.4	25406.3	0.0	12500.7	6981.8	19776.4	13669.8	78335.0	398.4
4	Castor Stem	1.3	40.3	0.0	24.3	14.1	2.0	0.0	0.0	40.3	0.0
5	Cotton Stalks	3.8	100932.8	0.0	10093.6	10093.6	5046.3	10093.6	20186.2	55513.2	45419.6
6	Mustard Stalks & Husk	1.8	154834.0	0.0	15482.9	0.0	7741.4	116125.1	15484.6	154834.0	0.0
	Total		334555.5							288737.5	45818

31. Annexure 17: Alwar Cultivated Area

8	Alwar	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	237	2367	561	61	2291	140	89	2191	195	129	2283	299
2	Maize	3278	1764	5782	2758	1567	4323	2286	1765	4035	2774	1699	4713
3	G.Nut	392	1628	638	265	2057	545	195	2195	428	284	1960	537
4	Castor	0	0	0	5	600	3	8	125	1	4	242	1
5	Cotton	46162	480	130241	63293	368	136967	72404	468	199282	60620	439	155497
6	Mustard	229013	2047	468873	250197	2136	534464	265693	1855	492851	248301	2013	498729
Total		279082	8286	606095	316579	9019	676442	340675	8599	696792			

32. Annexure 18 (A): Alwar Biomass Generation, Consumption & Surplus/Deficit

8	Alwar		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	561.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	561.0
2	Maize Stalks	1.5	8673.6	8064.7	0.0	0.0	608.9	0.0	0.0	8673.6	0.0
3	Ground Nut Stalks	2.0	1276.4	383.0	127.7	0.0	63.8	255.3	255.3	1085.2	191.2
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	84199.5	0.0	8420.6	8420.6	4209.5	25260.2	16839.6	63150.4	21049.1
6	Mustard Stalks & Husk	1.8	843821.3	0.0	195126.0	0.0	72951.9	647821.7	581422.0	1497321.6	-653500.3
	Total		938531.8							1570231	-631699

33. Annexure 18 (B): Alwar Biomass Generation, Consumption & Surplus/Deficit

8	Alwar		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	139.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	139.8
2	Maize Stalks	1.5	6482.7	6027.6	0.0	0.0	455.1	0.0	0.0	6482.7	0.0
3	Ground Nut Stalks	2.0	1090.2	327.1	109.0	0.0	54.5	218.1	218.1	926.9	163.3
4	Castor Stem	1.3	3.9	0.0	2.3	1.6	0.0	0.0	0.0	3.9	0.0
5	Cotton Stalks	3.8	88508.9	0.0	8851.6	8851.6	4424.9	26553.0	17701.5	66382.5	22126.4
6	Mustard Stalks & Husk	1.8	961957.4	0.0	222443.9	0.0	83165.3	738517.6	662821.9	1706948.7	-744991.2
	Total		3464042.2							4187690.1	-723647.9

34. Annexure 18 (C): Alwar Biomass Generation, Consumption & Surplus/Deficit

8	Alwar		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	195.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	195.0
2	Maize Stalks	1.5	6052.2	5627.3	0.0	0.0	424.9	0.0	0.0	6052.2	0.0
3	Ground Nut Stalks	2.0	856.1	256.9	85.6	0.0	42.8	171.2	171.2	727.8	128.2
4	Castor Stem	1.3	1.3	0.0	0.8	0.5	0.0	0.0	0.0	1.3	0.0
5	Cotton Stalks	3.8	128763.3	0.0	12877.3	12877.3	6437.4	38629.5	25752.2	96573.7	32189.6
6	Mustard Stalks & Husk	1.8	887148.9	0.0	205145.1	0.0	76697.8	681085.3	611276.3	1574204.5	-687055.5
	Total		1023017							1677560	-654543

35. Annexure 19: Bharatpur Cultivated Area

9	Bharatpur	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	981	2148	2107	1136	2460	2794	809	2761	2234	975	2456	2378
2	Maize	2	2000	4	0	0	0	1	1000	1	1	1000	2
3	G.Nut	3	2000	6	4	2000	8	3	233	7	3	1411	7
4	Castor	15	1000	15	10	1000	10	8	1000	8	11	1000	11
5	Cotton	6997	507	20853	7563	323	14370	7557	514	22851	7372	448	19358
6	Mustard	200016	1924	384758	218330	2224	485598	245203	1644	403110	221183	1931	424489
Total		208014	9579	407743	227043	8007	502780	253581	7152	428211			

36. Annexure 20 (A): Bharatpur Biomass Generation, Consumption & Surplus/Deficit

9	Bharatpur		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	2107.2	2006.4	0.0	0.0	0.0	100.8	0.0	2107.2	0.0
2	Maize Stalks	1.5	6.0	6.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0
3	Ground Nut Stalks	2.0	12.0	3.4	6.0	0.0	0.9	0.0	0.9	11.1	0.9
4	Castor Stem	1.3	19.5	0.0	2.1	1.3	0.2	0.0	0.0	3.5	16.0
5	Cotton Stalks	3.8	13480.4	8666.9	0.0	0.0	4248.0	295.6	246.0	13456.5	24.0
6	Mustard Stalks & Husk	1.8	692695.4	0.0	0.0	0.0	0.0	1774.3	0.0	1774.3	690921.1
	Total		708320.5							17356.6	690962.3

37. Annexure 20 (B): Bharatpur Biomass Generation, Consumption & Surplus/Deficit

9	Bharatpur		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	2794.6	2660.9	0.0	0.0	0.0	133.6	0.0	2794.6	0.0
2	Maize Stalks	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	Ground Nut Stalks	2.0	16.0	4.6	8.0	0.0	1.1	0.0	1.1	14.9	1.1
4	Castor Stem	1.3	13.0	0.0	1.4	0.9	0.1	0.0	0.0	2.4	10.6
5	Cotton Stalks	3.8	9282.8	5968.2	0.0	0.0	2925.2	203.5	169.4	9266.3	16.5
6	Mustard Stalks & Husk	1.8	874018.7	0.0	0.0	0.0	0.0	1874.2	0.0	1874.2	886096.9
	Total		886125.1							13,952.5	886125.1

Annexure 20 (C): Bharatpur Biomass Generation, Consumption & Surplus/Deficit

9	Bharatpur		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	2233.6	2126.8	0.0	0.0	0.0	106.8	0.0	2233.6	0.0
2	Maize Stalks	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	1.5	0.0
3	Ground Nut Stalks	2.0	1.4	0.4	0.7	0.0	0.1	0.0	0.1	1.3	0.1
4	Castor Stem	1.3	10.4	0.0	1.1	0.7	0.1	0.0	0.0	1.9	8.5
5	Cotton Stalks	3.8	14760.3	9489.8	0.0	0.0	4651.3	323.6	269.4	14734.1	26.2
6	Mustard Stalks & Husk	1.8	725604.7	0.0	0.0	0.0	0.0	1674.5	0.0	1674.5	723930.2
	Total		742611.9							18646.9	7,23,965.0

38. Annexure 21: Dholpur Cultivated Area

10	Dholpur	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	382	2366	904	652	2291	1494	532	2190	1165	522	2282	1188
2	Maize	0	0	0	0	0	0	0	0	0	0	0	0
3	G.Nut	35	1971	69	35	2057	72	42	2190	92	37	2073	78
4	Castor	15	1000	15	5	1000	5	0	0	0	7	667	7
5	Cotton	77	550	249	38	550	123	34	625	125	50	575	166
6	Mustard	60864	2245	136652	69195	2203	152436	71617	1930	138219	67225	2126	142436
Total		61373	8132	137889	69925	8101	154130	72225	6935	139601			

39. Annexure 22 (A): Dholpur Biomass Generation, Consumption & Surplus/Deficit

10	Dholpur		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	903.8	864.2	0.0	0.0	39.6	0.0	0.0	903.8	0.0
2	Maize Stalks	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	Ground Nut Stalks	2.0	138.0	17.8	7.5	1.3	3.0	1.9	10.6	42.1	95.8
4	Castor Stem	1.3	19.5	0.0	2.1	1.3	0.2	0.0	0.0	3.5	16.0
5	Cotton Stalks	3.8	160.9	3.1	17.3	4.2	9.4	6.9	16.8	57.8	103.2
6	Mustard Stalks & Husk	1.8	245951.4	0.0	19220.3	0.0	12298.2	19220.3	19220.3	69959.2	175992.2
	Total		247173.6							70966.4	176207.2

40. Annexure 22 (B): Dholpur Biomass Generation, Consumption & Surplus/Deficit

10	Dholpur		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	1493.7	1428.2	0.0	0.0	65.5	0.0	0.0	1493.7	0.0
2	Maize Stalks	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	Ground Nut Stalks	2.0	144.0	18.6	7.8	1.4	3.2	2.0	11.1	44.0	100.0
4	Castor Stem	1.3	6.5	0.0	0.7	0.4	0.1	0.0	0.0	1.2	5.3
5	Cotton Stalks	3.8	79.4	1.5	8.5	2.1	4.6	3.4	8.3	28.5	50.9
6	Mustard Stalks & Husk	1.8	274385.9	0.0	21442.4	0.0	13720.0	21442.4	21442.4	78047.2	196338.6
	Total		276109.5							79614.6	196494.8

41. Annexure 22 (C): Dholpur Biomass Generation, Consumption & Surplus/Deficit

10	Dholpur		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	1165.1	1114.0	0.0	0.0	51.1	0.0	0.0	1165.1	0.0
2	Maize Stalks	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	Ground Nut Stalks	2.0	184.0	23.7	9.9	1.8	4.1	2.5	14.2	56.2	127.8
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	80.8	1.6	8.7	2.1	4.7	3.5	8.4	29.0	51.8
6	Mustard Stalks & Husk	1.8	248797.5	0.0	19442.7	0.0	12440.5	19442.7	19442.7	70768.8	178028.7
	Total		250227.4							72019.1	178208.3

42. Annexure 23: S.Madhopur Cultivated Area

11	S.Madhopur	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	1385	2277	3154	1531	0	0	2168	2904	6296	1695	1727	3150
2	Maize	359	2033	730	310	2242	695	260	1296	337	310	1857	587
3	G.Nut	2307	1059	2443	2410	1330	3205	2376	1487	3532	2364	1292	3060
4	Castor	0	0	0	0	0	0	0	0	0	0	0	0
5	Cotton	3	567	10	0	0	0	0	0	0	1	189	3
6	Mustard	99497	1717	170886	158916	1893	300838	149969	1871	280592	136127	1827	250772
Total		103551	7653	177223	163167	5465	304738	154773	7558	290757			

43. Annexure 24 (A): S.Madhopur Biomass Generation, Consumption & Surplus/Deficit

11	S.Madhopur		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	3153.6	2915.2	0.0	0.0	238.5	0.0	0.0	3153.6	0.0
2	Maize Stalks	1.5	1094.8	867.0	0.0	0.0	227.8	0.0	0.0	1094.8	0.0
3	Ground Nut Stalks	2.0	4886.2	630.4	263.9	46.8	107.9	66.8	376.6	1492.4	3393.9
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	6.5	0.1	0.7	0.2	0.4	0.3	0.7	2.3	4.1
6	Mustard Stalks & Husk	1.8	307505.4	0.0	36060.5	0.0	0.0	0.0	0.0	36060.5	271444.9
	Total		316646.5							41803.6	274842.9

44. Annexure 24 (B): S.Madhopur Biomass Generation, Consumption & Surplus/Deficit

11	S.Madhopur		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	1042.5	825.6	0.0	0.0	216.9	0.0	0.0	1042.5	0.0
3	Ground Nut Stalks	2.0	6410.6	827.1	346.2	61.4	141.5	87.7	494.1	1957.9	4452.7
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	Mustard Stalks & Husk	1.8	541490.4	0.0	63499.4	0.0	0.0	0.0	0.0	63499.4	477990.9
	Total		548943.5							66499.8	482443.6

45. Annexure 24 (C) : S.Madhapur Biomass Generation, Consumption & Surplus/Deficit

11	S.Madhapur		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	6295.9	5819.8	0.0	0.0	476.1	0.0	0.0	6295.9	0.0
2	Maize Stalks	1.5	505.4	400.3	0.0	0.0	105.2	0.0	0.0	505.4	0.0
3	Ground Nut Stalks	2.0	7066.2	911.7	381.6	67.6	156.0	96.6	544.6	2158.2	4908.1
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	Mustard Stalks & Husk	1.8	505065.6	0.0	59228.0	0.0	0.0	0.0	0.0	59228.0	445837.6
	Total		518933.1							68187.5	450745.7

46. Annexure 25: Karoli Cultivated Area

12	Karoli	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	1489	1304	1942	1725	1686	2909	1710	1584	2709	1641	1525	2520
2	Maize	25	2040	51	18	2222	40	20	1300	26	21	1854	39
3	G.Nut	334	1967	657	258	2054	530	283	2194	621	292	2072	603
4	Castor	0	0	0	0	0	0	0	0	0	0	0	0
5	Cotton	5	544	16	0	0	0	0	0	0	2	181	5
6	Mustard	70868	1864	13216	83224	1993	165832	90264	1839	165967	81452	1899	115005
Total		72721	7719	15882	85225	7955	169311	92277	6917	169323			

47. Annexure 26 (A): Karoli Biomass Generation, Consumption & Surplus/Deficit

12	Karoli		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	1941.7	1840.2	0.0	0.0	101.4	0.0	0.0	1941.7	0.0
2	Maize Stalks	1.5	76.5	76.5	0.0	0.0	0.0	0.0	0.0	76.5	0.0
3	Ground Nut Stalks	2.0	1314.0	263.1	263.1	0.0	66.1	0.0	0.0	592.2	721.7
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	10.3	0.2	1.1	0.3	0.6	0.4	1.1	3.7	6.6
6	Mustard Stalks & Husk	1.8	237776.3	0.0	23777.8	0.0	11888.9	0.0	0.0	35666.7	202109.7
	Total		241118.8							38280.8	202838

48. Annexure 26 (B): Karoli Biomass Generation, Consumption & Surplus/Deficit

12	Karoli		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	2908.4	2756.4	0.0	0.0	151.9	0.0	0.0	2908.4	0.0
2	Maize Stalks	1.5	60.0	60.0	0.0	0.0	0.0	0.0	0.0	60.0	0.0
3	Ground Nut Stalks	2.0	1059.9	212.2	212.2	0.0	53.3	0.0	0.0	477.7	582.1
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	Mustard Stalks & Husk	1.8	298557.8	0.0	29856.0	0.0	14928.0	0.0	0.0	44783.9	253773.8
	Total		302586.1							48230	254355.9

49. Annexure 26 (C): Karoli Biomass Generation, Consumption & Surplus/Deficit

12	Karoli		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	2708.6	2567.2	0.0	0.0	141.5	0.0	0.0	2708.6	0.0
2	Maize Stalks	1.5	39.0	39.0	0.0	0.0	0.0	0.0	0.0	39.0	0.0
3	Ground Nut Stalks	2.0	1241.8	248.6	248.6	0.0	62.5	0.0	0.0	559.7	682.1
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	Mustard Stalks & Husk	1.8	298791.9	0.0	29879.4	0.0	14939.7	0.0	0.0	44819.1	253972.8
	Total		302781.3							48126.4	254654.9

50. Annexure 27: Bikaner Cultivated Area

13	Bikaner	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	0	0	0	0	0	0	0	0	0	0	0	0
2	Maize	0	0	0	0	0	0	0	0	0	0	0	0
3	G.Nut	220552	2331	514095	238858	2223	531099	245062	2159	529065	234824	2238	524753
4	Castor	122	1303	159	256	1063	272	475	796	378	284	1054	270
5	Cotton	2401	551	7779	5434	94	2999	18190	369	39534	8675	338	16771
6	Mustard	101331	1271	128813	161496	1254	202522	149589	1403	209818	137472	1309	180384
	Total	324406	5456	650846	406044	4634	736892	413316	4727	778795			

51. Annexure 28 (A): Bikaner Biomass Generation, Consumption & Surplus/Deficit

13	Bikaner		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	Ground Nut Stalks	2.0	1028213.4	810893.3	85034.6	0.0	0.0	0.0	0.0	895927.9	132285.5
4	Castor Stem	1.3	206.7	0.0	22.2	13.6	1.8	0.0	0.0	37.6	169.1
5	Cotton Stalks	3.8	5027.2	97.9	540.4	132.7	292.1	216.2	1005.5	2285.0	2742.3
6	Mustard Stalks & Husk	1.8	231825.1	220233.5	0.0	0.0	0.0	3650.4	46367.9	270251.8	-38426.8
	Total		1265272							1265272.4	96770.1

52. Annexure 28 (B): Bikaner Biomass Generation, Consumption & Surplus/Deficit

13	Bikaner		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	Ground Nut Stalks	2.0	1061962.7	837509.4	87825.7	0.0	0.0	0.0	0.0	925335.1	136627.5
4	Castor Stem	1.3	353.8	0.0	37.9	23.3	3.1	0.0	0.0	64.3	289.4
5	Cotton Stalks	3.8	1941.0	37.8	208.7	51.2	112.8	83.5	388.2	882.2	1058.8
6	Mustard Stalks & Husk	1.8	364528.8	346301.9	0.0	0.0	0.0	5740.0	72910.2	424952.2	-60423.4
	Total		1428786							1351233.8	77552.3

53. Annexure 28 (C): Bikaner Biomass Generation, Consumption & Surplus/Deficit

13	Bikaner		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	Ground Nut Stalks	2.0	1058177.7	834524.4	87512.7	0.0	0.0	0.0	0.0	922037.1	136140.6
4	Castor Stem	1.3	491.5	0.0	52.7	32.4	4.3	0.0	0.0	89.4	402.2
5	Cotton Stalks	3.8	25506.0	496.9	2741.8	673.4	1482.2	1097.0	5101.5	11592.9	13913.1
6	Mustard Stalks & Husk	1.8	377772.1	358883.0	0.0	0.0	0.0	5948.6	75559.1	440390.6	-62618.6
	Total		1461947							1374110	87837.3

54. Annexure 29: Churu Cultivated Area

14	Churu	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	0	0	0	0	0	0	0	0	0	0	0	0
2	Maize	1	2000	2	0	0	0	0	0	0	0	667	1
3	G.Nut	63451	2280	144687	72915	2452	178801	72692	2277	165529	69686	2336	163006
4	Castor	0	0	0	3	2000	6	38	1000	38	14	1000	15
5	Cotton	1187	336	2344	3128	338	6212	5549	541	17663	3288	405	8740
6	Mustard	72903	1040	7585	91185	1306	119105	101243	874	88506	88444	1073	71732
	Total	137542	5656	154618	167231	6096	304124	179522	4692	271736			

55. Annexure 30 (A): Churu Biomass Generation, Consumption & Surplus/Deficit

14	Churu		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	3.0	2.4	0.0	0.0	0.2	0.0	0.0	2.6	0.4
3	Ground Nut Stalks	2.0	289336.6	104604.2	82676.3	45460.9	0.0	0.0	28459.2	261200.7	28135.9
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	1515.6	29.5	162.9	40.0	88.1	65.2	158.2	543.9	971.7
6	Mustard Stalks & Husk	1.8	136474.4	0.0	0.0	11445.0	6823.6	0.0	0.0	18268.6	118205.8
	Total		427329.6							280015.8	147313.8

56. Annexure 30 (B): Churu Biomass Generation, Consumption & Surplus/Deficit

14	Churu		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	Ground Nut Stalks	2.0	357575.2	129274.6	102175.1	56182.6	0.0	0.0	35171.2	322803.6	34771.6
4	Castor Stem	1.3	7.8	0.0	0.8	0.5	0.1	0.0	0.0	1.4	6.4
5	Cotton Stalks	3.8	4017.6	78.3	431.9	106.1	233.5	172.8	419.3	1441.8	2575.8
6	Mustard Stalks & Husk	1.8	214357.7	0.0	0.0	17976.4	10717.7	0.0	0.0	28694.1	185663.6
	Total		575958.3							352940.9	223017.4

57. Annexure 30 (C): Churu Biomass Generation, Consumption & Surplus/Deficit

14	Churu		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	Ground Nut Stalks	2.0	331039.4	119681.1	94592.7	52013.3	0.0	0.0	32561.1	298848.2	32191.2
4	Castor Stem	1.3	49.4	0.0	5.3	3.3	0.4	0.0	0.0	9.0	40.4
5	Cotton Stalks	3.8	11407.6	222.3	1226.3	301.2	662.9	490.7	1190.5	4093.8	7313.8
6	Mustard Stalks & Husk	1.8	159275.5	0.0	0.0	13357.1	7963.6	0.0	0.0	21320.8	137954.7
	Total		501771.9							324271.8	177500.1

58. Annexure 31: Jaisalmer Cultivated Area

15	Jaisalmer	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	0	0	0	0	0	0	0	0	0	0	0	0
2	Maize	0	0	0	0	0	0	0	0	0	0	0	0
3	G.Nut	25665	1644	42203	34474	1604	55298	41216	1879	77431	33785	1709	58311
4	Castor	4723	1996	9427	4323	1967	8505	4566	1996	9116	4537	1986	9016
5	Cotton	175	551	567	199	552	646	416	623	1525	263	575	913
6	Mustard	41686	979	40799	46939	1080	50691	45603	915	41728	44743	991	44406
	Total	72249	5170	92996	85935	5203	115140	91801	5413	129800			

59. Annexure 32 (A): Jaisalmer Biomass Generation, Consumption & Surplus/Deficit

15	Jaisalmer		Biomass Generation, Consumption & Surplus/Deficit in MT FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	Ground Nut Stalks	2.0	84386.5	58957.0	1140.8	0.0	14194.5	0.0	0.0	74292.3	10094.3
4	Castor Stem	1.3	12255.2	0.0	1314.1	807.8	106.3	0.0	0.0	2228.2	10027.0
5	Cotton Stalks	3.8	366.4	7.1	39.4	9.7	21.3	15.8	38.2	131.5	234.9
6	Mustard Stalks & Husk	1.8	73459.1	51420.7	0.0	0.0	3672.8	0.0	0.0	55093.6	18365.5
	Total		170467.2							131745.6	38721.7

60. Annexure 32 (B): Jaisalmer Biomass Generation, Consumption & Surplus/Deficit

15	Jaisalmer		Biomass Generation, Consumption & Surplus/Deficit in MT 2018-19								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	Ground Nut Stalks	2.0	110592.6	77266.0	1495.0	0.0	18602.6	0.0	0.0	97363.6	13229.0
4	Castor Stem	1.3	11054.3	0.0	1185.3	728.7	95.9	0.0	0.0	2009.9	9044.5
5	Cotton Stalks	3.8	417.4	8.1	44.9	11.0	24.3	18.0	43.6	149.8	267.6
6	Mustard Stalks & Husk	1.8	91249.4	63873.8	0.0	0.0	4562.3	0.0	0.0	68436.1	22813.3
	Total		213313.7							167959.4	45354.4

61. Annexure 32 (C): Jaisalmer Biomass Generation, Consumption & Surplus/Deficit

15	Jaisalmer		Biomass Generation, Consumption & Surplus/Deficit in MT 2019-20								
S.No	Biomass Name	CRR	Biomass generation in MT	Biomass Consumption (in MT)							Biomass Surplus in MT
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	Ground Nut Stalks	2.0	154889.7	108214.3	2093.8	0.0	26053.7	0.0	0.0	136361.9	18527.8
4	Castor Stem	1.3	11847.9	0.0	1270.4	781.0	102.7	0.0	0.0	2154.2	9693.7
5	Cotton Stalks	3.8	984.8	19.2	105.9	26.0	57.2	42.4	102.8	353.4	631.4
6	Mustard Stalks & Husk	1.8	75108.1	52575.1	0.0	0.0	3755.3	0.0	0.0	56330.3	18777.8
	Total		242830.5							195199.8	47630.7

62. Annexure 33: Ganganagar Cultivated Area

16	Ganganagar	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	10537	27549	29074	10452	3029	31654	10934	2780	30396	10641	11119	30375
2	Maize	54	2037	110	20	2250	45	17	1294	22	30	1860	59
3	G.Nut	5321	1604	8535	7070	2172	1537	6929	2334	16585	6440	2037	8886
4	Castor	196	2602	510	290	2100	609	557	1946	1084	348	2216	734
5	Cotton	128316	638	481316	138409	611	497467	200058	770	905782	155594	673	628188
6	Mustard	198714	1733	344348	247699	1870	463200	231954	1641	380720	226122	1748	396089
	Total	343138	36163	863893	403940	12032	994512	450449	10765	1334589			

63. Annexure 34 (A): Ganganagar Biomass Generation, Consumption & Surplus/Deficit

16	Ganganagar		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2017-18								
S.No	Biomass Name	CRR	Biomass Generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	290283.8	271083.2	0.0	0.0	19200.6	0.0	0.0	290283.8	0.0
2	Maize Stalks	1.5	165.0	160.0	0.0	0.0	0.0	0.0	0.0	160.0	5.0
3	Ground Nut Stalks	2.0	17069.8	2202.3	921.8	163.4	376.9	233.4	1315.6	5213.5	11856.3
4	Castor Stem	1.3	663.0	0.0	71.1	43.7	5.7	0.0	0.0	120.5	542.4
5	Cotton Stalks	3.8	311089.3	0.0	31119.3	0.0	15546.7	62212.7	93332.0	202210.6	108878.7
6	Mustard Stalks & Husk	1.8	619868.5	0.0	61986.8	0.0	30994.2	185960.5	402915.2	681856.8	-61988.3
	Total		1239139							1179845	59294.1

64. Annexure 34 (B): Ganganagar Biomass Generation, Consumption & Surplus/Deficit

16	Ganganagar		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2018-19								
S.No	Biomass Name	CRR	Biomass Generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	31659.1	29565.0	0.0	0.0	2094.1	0.0	0.0	31659.1	0.0
2	Maize Stalks	1.5	67.5	65.5	0.0	0.0	0.0	0.0	0.0	65.5	2.0
3	Ground Nut Stalks	2.0	30712.1	3962.4	1658.6	294.0	678.1	419.9	2367.1	9380.1	21332.0
4	Castor Stem	1.3	791.7	0.0	84.9	52.2	6.9	0.0	0.0	143.9	647.8
5	Cotton Stalks	3.8	321358.0	0.0	32146.5	0.0	16059.9	64266.3	96412.7	208885.4	112472.6
6	Mustard Stalks & Husk	1.8	833754.8	0.0	83375.5	0.0	41688.7	250126.5	541941.6	917132.3	-83377.5
	Total		1218343							1167266	51076.9

65. Annexure 34 (C): Ganganagar Biomass Generation, Consumption & Surplus/Deficit

16	Ganganagar		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2019-20								
S.No	Biomass Name	CRR	Biomass Generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	30396.5	28386.0	0.0	0.0	2010.6	0.0	0.0	30396.5	0.0
2	Maize Stalks	1.5	33.0	32.0	0.0	0.0	0.0	0.0	0.0	32.0	1.0
3	Ground Nut Stalks	2.0	32344.6	4173.0	1746.8	309.6	714.1	442.3	2492.9	9878.7	22465.9
4	Castor Stem	1.3	1409.1	0.0	151.1	92.9	12.2	0.0	0.0	256.2	1152.9
5	Cotton Stalks	3.8	585369.7	0.0	58556.4	0.0	29253.9	117064.2	175620.6	380495.2	204874.5
6	Mustard Stalks & Husk	1.8	685145.7	0.0	68514.6	0.0	34258.1	205543.7	445345.5	753661.9	-68516.2
	Total		1334699							1174721	159978.1

66. Annexure 35: Hanumangarh Cultivated Area

17	Hanumangarh	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	31647	3103	98212	33485	3142	105225	34695	2490	86395	33276	2912	96611
2	Maize	18	2056	37	22	2227	49	11	1273	14	17	1852	33
3	G.Nut	21545	2124	45765	16423	1959	32167	11937	2212	26400	16635	2098	34777
4	Castor	1712	2549	4364	3542	2245	7951	5167	1525	7879	3474	2106	6731
5	Cotton	187330	530	584265	180806	616	655676	215171	704	890604	194436	617	710182
6	Mustard	104136	1679	174808	130445	1765	230298	123942	1395	172847	119508	1613	192651
	Total	346388	12041	907451	364723	11954	1031366	390923	9599	1184139			

67. Annexure 36 (A): Hanumangarh Biomass Generation, Consumption & Surplus/Deficit

17	Hanumangarh		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2017-18								
S.No	Biomass Name	CRR	Biomass Generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	98200.6	97937.1	0.0	0.0	263.5	0.0	0.0	98200.6	0.0
2	Maize Stalks	1.5	55.5	55.5	0.0	0.0	0.0	0.0	0.0	55.5	0.0
3	Ground Nut Stalks	2.0	91523.2	11808.1	4942.7	876.1	2020.8	1251.4	7054.0	27953.0	63570.1
4	Castor Stem	1.3	5673.1	0.0	608.3	374.0	49.2	0.0	0.0	1031.5	4641.6
5	Cotton Stalks	3.8	377282.6	0.0	37728.3	0.0	18864.1	113184.8	113184.8	282962.0	94320.7
6	Mustard Stalks & Husk	1.8	314719.8	0.0	31472.3	0.0	15736.1	94415.4	173096.0	314719.8	0.0
	Total		887454.8							724922.4	162532.4

68. Annexure 36 (B): Hanumangarh Biomass Generation, Consumption & Surplus/Deficit

17	Hanumangarh		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2018-19								
S.No	Biomass Name	CRR	Biomass Generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	105209.9	104927.5	0.0	0.0	282.4	0.0	0.0	105209.9	0.0
2	Maize Stalks	1.5	73.5	73.5	0.0	0.0	0.0	0.0	0.0	73.5	0.0
3	Ground Nut Stalks	2.0	64345.3	8301.6	3474.9	615.9	1420.7	879.8	4959.3	19652.4	44692.9
4	Castor Stem	1.3	10337.3	0.0	1108.5	681.4	89.6	0.0	0.0	1879.5	8457.8
5	Cotton Stalks	3.8	423230.7	0.0	42323.1	0.0	21161.5	126969.2	126969.2	317423.0	105807.7
6	Mustard Stalks & Husk	1.8	414423.8	0.0	41442.8	0.0	20721.4	124326.4	227933.3	414423.8	0.0
	Total		1017621							858662.1	158958.4

69. Annexure 36 (C): Hanumangarh Biomass Generation, Consumption & Surplus/Deficit

17	Hanumangarh		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2019-20								
S.No	Biomass Name	CRR	Biomass Generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	86390.6	86158.7	0.0	0.0	231.9	0.0	0.0	86390.6	0.0
2	Maize Stalks	1.5	21.0	21.0	0.0	0.0	0.0	0.0	0.0	21.0	0.0
3	Ground Nut Stalks	2.0	52809.3	6813.3	2851.9	505.5	1166.0	722.1	4070.2	16129.0	36680.3
4	Castor Stem	1.3	10243.6	0.0	1098.4	675.2	88.8	0.0	0.0	1862.5	8381.1
5	Cotton Stalks	3.8	575625.5	0.0	57562.5	0.0	28781.3	172687.6	172687.6	431719.1	143906.4
6	Mustard Stalks & Husk	1.8	311218.4	0.0	31122.1	0.0	15561.1	93364.9	171170.2	311218.4	0.0
	Total		1036308							847340.6	188967.8

70. Annexure 37: Jodhpur Cultivated Area

18	Jodhpur	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	0	0	0	0	0	0	0	0	0	0	0	0
2	Maize	3	2000	6	1	2000	2	2	1500	3	2	1833	4
3	G.Nut	129423	1870	241972	111784	1921	214701	151579	2655	402460	130929	2149	286378
4	Castor	24756	498	12325	18148	500	9083	23285	600	13962	22063	533	11790
5	Cotton	46708	459	125988	52102	487	149249	61574	527	190886	53461	491	155374
6	Mustard	149410	1315	196458	170793	1361	232367	176250	1425	251147	165484	1367	226657
	Total	350300	6142	576749	352828	6269	605402	412690	6707	858458			

71. Annexure 38 (A): Jodhpur Biomass Generation, Consumption & Surplus/Deficit

18	Jodhpur		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	9.0	9.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0
3	Ground Nut Stalks	2.0	484042.0	62449.7	26140.5	4633.5	10687.3	6618.6	37306.7	147836.3	336205.7
4	Castor Stem	1.3	16027.0	0.0	1718.6	1056.5	139.0	0.0	0.0	2914.0	13113.0
5	Cotton Stalks	3.8	81468.1	0.0	8142.8	0.0	4076.4	0.0	0.0	12219.2	69248.9
6	Mustard Stalks & Husk	1.8	353653.5	0.0	35364.5	0.0	17683.3	0.0	0.0	53047.8	300605.7
	Total		935199.6							216026.3	719173.3

72. Annexure 38 (B): Jodhpur Biomass Generation, Consumption & Surplus/Deficit

18	Jodhpur		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	3.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
3	Ground Nut Stalks	2.0	429474.1	55409.5	23193.6	4111.2	9482.4	5872.5	33101.0	131170.2	298304.0
4	Castor Stem	1.3	11796.2	0.0	1264.9	777.6	102.3	0.0	0.0	2144.8	9651.4
5	Cotton Stalks	3.8	96420.0	0.0	9637.3	0.0	4824.5	0.0	0.0	14461.8	81958.1
6	Mustard Stalks & Husk	1.8	418408.7	0.0	41839.9	0.0	20921.2	0.0	0.0	62761.1	355647.6
	Total		956102							210540.9	745561.1

73. Annexure 38 (C): Jodhpur Biomass Generation, Consumption & Surplus/Deficit

18	Jodhpur		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	4.5	4.5	0.0	0.0	0.0	0.0	0.0	4.5	0.0
3	Ground Nut Stalks	2.0	804884.5	103843.9	43467.5	7704.8	17771.2	11005.7	62035.1	245828.2	559056.3
4	Castor Stem	1.3	18162.3	0.0	1947.5	1197.2	157.5	0.0	0.0	3302.2	14860.1
5	Cotton Stalks	3.8	123308.1	0.0	12324.8	0.0	6169.9	0.0	0.0	18494.7	104813.4
6	Mustard Stalks & Husk	1.8	452081.3	0.0	45207.0	0.0	22604.9	0.0	0.0	67811.9	384269.3
	Total		1398441							335441.5	1062999

74. Annexure 39: Barmer Cultivated Area

19	Barmer	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	0	0	0	79	0	0	0	0	0	26	0	0
2	Maize	15	2000	30	8	2250	18	22	1273	28	15	1841	25
3	G.Nut	4734	1346	5889	3478	1344	4675	3735	2245	8385	3982	1645	6316
4	Castor	23784	1738	32779	22235	1302	28941	37597	1222	45929	27872	1421	35883
5	Cotton	0	0	0	0	0	0	0	0	0	0	0	0
6	Mustard	10102	963	9729	11866	1095	12996	18591	1016	18887	13520	1025	13871
	Total	38635	6047	48427	37666	5991	46630	59945	5756	73229			

75. Annexure 40 (A): Barmer Biomass Generation, Consumption & Surplus/Deficit

19	Barmer		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	45.0	45.0	0.0	0.0	0.0	0.0	0.0	45.0	0.0
3	Ground Nut Stalks	2.0	12743.9	1644.2	688.2	122.0	281.4	174.3	982.2	3892.3	8851.7
4	Castor Stem	1.3	53737.6	0.0	5762.2	3542.3	466.0	0.0	0.0	9770.5	43967.1
5	Cotton Stalks	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	Mustard Stalks & Husk	1.8	17510.8	0.0	1751.8	0.0	875.2	0.0	0.0	2627.0	14883.8
	Total		84037.3							16334.8	67702.6

76. Annexure 40 (B) : Barmer Biomass Generation, Consumption & Surplus/Deficit

19	Barmer		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	27.0	27.0	0.0	0.0	0.0	0.0	0.0	27.0	0.0
3	Ground Nut Stalks	2.0	9348.9	1206.2	504.9	89.5	206.4	127.8	720.5	2855.3	6493.5
4	Castor Stem	1.3	37635.0	0.0	4035.6	2480.8	326.3	0.0	0.0	6842.7	30792.2
5	Cotton Stalks	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	Mustard Stalks & Husk	1.8	23387.9	0.0	2339.7	0.0	1168.9	0.0	0.0	3508.7	19879.2
	Total		70398.8							13233.7	57164.9

77. Annexure 40 (C): Barmer Biomass Generation, Consumption & Surplus/Deficit

19	Barmer		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	42.0	42.0	0.0	0.0	0.0	0.0	0.0	42.0	0.0
3	Ground Nut Stalks	2.0	16770.2	2163.6	905.7	160.5	370.3	229.3	1292.5	5121.9	11648.2
4	Castor Stem	1.3	59726.6	0.0	6404.4	3937.1	517.9	0.0	0.0	10859.4	48867.2
5	Cotton Stalks	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	Mustard Stalks & Husk	1.8	33999.2	0.0	3401.3	0.0	1699.3	0.0	0.0	5100.6	28898.7
	Total		110538							21123.9	89414.1

78. Annexure 41: Jalore Cultivated Area

20	Jalore	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	0	0	0	0	0	0	0	0	0	0	0	0
2	Maize	11	2000	22	48	2250	108	25	1280	32	28	1843	54
3	G.Nut	18829	1408	26512	15653	1564	24476	20097	2619	52636	18193	1864	34541
4	Castor	49258	1816	89476	41846	1984	83015	60470	2094	126642	50525	1965	99711
5	Cotton	556	551	1802	1007	552	3269	1255	623	4600	939	575	3224
6	Mustard	83194	1268	105458	74657	1364	101804	76174	1357	103391	78008	1330	103551
	Total	151848	7043	223270	133211	7714	212672	158021	7973	287301			

79. Annexure 42 (A): Jalore Biomass Generation, Consumption & Surplus/Deficit

20	Jalore		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	33.0	33.0	0.0	0.0	0.0	0.0	0.0	33.0	0.0
3	Ground Nut Stalks	2.0	53022.5	6840.8	2863.5	507.6	1170.7	725.0	4086.6	16194.1	36828.3
4	Castor Stem	1.3	116288.3	0.0	12469.5	7665.5	1008.3	0.0	0.0	21143.3	95145.0
5	Cotton Stalks	3.8	1164.2	0.0	104.8	0.0	58.2	349.2	349.2	861.5	302.7
6	Mustard Stalks & Husk	1.8	189882.0	0.0	18988.9	0.0	9493.5	123423.5	37976.0	189882.0	0.0
	Total		360390							228113.9	132276

80. Annexure 42 (B): Jalore Biomass Generation, Consumption & Surplus/Deficit

20	Jalore		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	162.0	162.0	0.0	0.0	0.0	0.0	0.0	162.0	0.0
3	Ground Nut Stalks	2.0	48962.6	6317.0	2644.2	468.7	1081.1	669.5	3773.7	14954.2	34008.4
4	Soyabean Stalks	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Castor Stem	1.3	107929.2	0.0	11573.2	7114.5	935.9	0.0	0.0	19623.5	88305.7
6	Cotton Stalks	3.8	2112.3	0.0	190.1	0.0	105.6	633.7	633.7	1563.1	549.2
7	Mustard Stalks & Husk	1.8	183297.9	0.0	18330.5	0.0	9164.4	119143.8	36659.2	183297.9	0.0
	Total		342464							219600.7	122863.3

81. Annexure 42 (C): Jalore Biomass Generation, Consumption & Surplus/Deficit

20	Jalore		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	48.0	48.0	0.0	0.0	0.0	0.0	0.0	48.0	0.0
3	Ground Nut Stalks	2.0	105268.1	13581.4	5685.0	1007.7	2324.2	1439.4	8113.4	32151.0	73117.1
4	Castor Stem	1.3	164611.4	0.0	17651.2	10850.9	1427.3	0.0	0.0	29929.4	134682.1
5	Cotton Stalks	3.8	2971.1	0.0	267.4	0.0	148.6	891.3	891.3	2198.6	772.5
6	Mustard Stalks & Husk	1.8	186062.6	0.0	18607.0	0.0	9302.6	120940.9	37212.2	186062.6	0.0
	Total		458961.2							250389.6	208571.7

82. Annexure 43: Pali Cultivated Area

21	Pali	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	0	0	0	0	0	0	0	0	0	0	0	0
2	Maize	12778	751	9592	12932	1595	20627	10559	1272	13436	12090	1206	14552
3	G.Nut	942	946	891	819	1722	1410	743	2195	1631	835	1621	1311
4	Castor	2546	515	1311	6060	982	5953	7900	983	7768	5502	827	5011
5	Cotton	14384	556	47044	17471	670	68896	16545	546	53162	16133	591	56367
6	Mustard	47781	1112	53140	32425	1223	39649	58800	1326	77975	46335	1220	56921
	Total	78431	3880	111978	69707	6192	136535	94547	6322	153972			

83. Annexure 44 (A): Pali Biomass Generation, Consumption & Surplus/Deficit

21	Pali		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	14394.4	14394.4	0.0	0.0	0.0	0.0	0.0	14394.4	0.0
3	Ground Nut Stalks	2.0	1782.3	229.9	96.3	17.1	39.4	24.4	137.4	544.3	1237.9
4	Castor Stem	1.3	1704.5	0.0	182.8	112.4	14.8	0.0	0.0	309.9	1394.6
5	Cotton Stalks	3.8	30390.5	0.0	3042.0	0.0	1513.6	0.0	3042.0	7597.6	22792.9
6	Mustard Stalks & Husk	1.8	95638.4	0.0	9564.0	0.0	4782.0	0.0	9564.0	23909.9	71728.5
	Total		143910.1							46756.1	97153.9

84. Annexure 44 (B): Pali Biomass Generation, Consumption & Surplus/Deficit

21	Pali		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	30939.8	30939.8	0.0	0.0	0.0	0.0	0.0	30939.8	0.0
3	Ground Nut Stalks	2.0	2820.6	363.9	152.3	27.0	62.3	38.6	217.4	861.5	1959.2
4	Castor Stem	1.3	7736.2	0.0	829.5	510.0	67.1	0.0	0.0	1406.6	6329.6
5	Cotton Stalks	3.8	44481.2	0.0	4452.5	0.0	2215.4	0.0	4452.5	11120.3	33360.9
6	Mustard Stalks & Husk	1.8	71380.4	0.0	7138.1	0.0	3569.1	0.0	7138.1	17845.3	53535.1
	Total		157358.2							62173.5	95184.8

85. Annexure 44 (C): Pali Biomass Generation, Consumption & Surplus/Deficit

21	Pali		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	20146.6	20146.6	0.0	0.0	0.0	0.0	0.0	20146.6	0.0
3	Ground Nut Stalks	2.0	3261.8	420.8	176.2	31.2	72.0	44.6	251.4	996.2	2265.6
4	Castor Stem	1.3	10095.4	0.0	1082.5	665.5	87.5	0.0	0.0	1835.5	8259.9
5	Cotton Stalks	3.8	34327.6	0.0	3436.1	0.0	1709.7	0.0	3436.1	8581.9	25745.7
6	Mustard Stalks & Husk	1.8	140343.8	0.0	14034.6	0.0	7017.3	0.0	14034.6	35086.4	105257.4
	Total		208175.2							66646.6	141528.6

86. Annexure 45: Sirohi Cultivated Area

22	Sirohi	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	0	0	0	0	0	0	0	0	0	0	0	0
2	Maize	20425	42	856	20605	1721	35466	20518	1854	38031	20516	1206	24784
3	G.Nut	14219	0	0	13590	1702	23130	14597	2506	36584	14135	1403	19905
4	Castor	34878	489	17042	43296	1449	62747	43458	1804	78410	40544	1247	52733
5	Cotton	2905	55	9412	3673	332	7169	3309	498	9689	3296	295	8757
6	Mustard	11706	1049	12275	10953	1094	11987	10860	1274	1381	11173	1139	8548
	Total	84133	1635	39585	92117	6298	140499	92742	7936	164095			

87. Annexure 46 (A): Sirohi Biomass Generation, Consumption & Surplus/Deficit

22	Sirohi		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	1286.8	1286.8	0.0	0.0	0.0	0.0	0.0	1286.8	0.0
3	Ground Nut Stalks	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	Castor Stem	1.3	22171.9	0.0	2377.5	1461.5	192.3	0.0	0.0	4031.3	18140.7
5	Cotton Stalks	3.8	607.1	0.0	60.0	0.0	31.1	0.0	242.4	333.6	273.5
6	Mustard Stalks & Husk	1.8	22103.3	0.0	2210.5	0.0	1105.3	0.0	2210.5	5526.4	16576.9
	Total		46169.1							11178.1	34991.1

88. Annexure 46 (B): Sirohi Biomass Generation, Consumption & Surplus/Deficit

22	Sirohi		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	53191.8	53191.8	0.0	0.0	0.0	0.0	0.0	53191.8	0.0
3	Ground Nut Stalks	2.0	46260.4	5968.4	2498.3	442.8	1021.4	632.5	3565.4	14128.9	32131.5
4	Castor Stem	1.3	81556.7	0.0	8745.3	5376.1	707.2	0.0	0.0	14828.5	66728.2
5	Cotton Stalks	3.8	4633.9	0.0	458.3	0.0	237.6	0.0	1850.1	2546.1	2087.8
6	Mustard Stalks & Husk	1.8	21568.6	0.0	2157.1	0.0	1078.5	0.0	2157.1	5392.7	16176.0
	Total		207211.4							90088	117123.5

89. Annexure 46 (C): Sirohi Biomass Generation, Consumption & Surplus/Deficit

22	Sirohi		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Maize Stalks	1.5	57060.6	57060.6	0.0	0.0	0.0	0.0	0.0	57060.6	0.0
3	Ground Nut Stalks	2.0	73160.2	9438.9	3951.0	700.3	1615.3	1000.4	5638.7	22344.6	50815.6
4	Castor Stem	1.3	101917.7	0.0	10928.6	6718.2	883.7	0.0	0.0	18530.5	83387.2
5	Cotton Stalks	3.8	6262.0	0.0	619.3	0.0	321.1	0.0	2500.2	3440.6	2821.3
6	Mustard Stalks & Husk	1.8	24904.2	0.0	2490.7	0.0	1245.3	0.0	2490.7	6226.6	18677.5
	Total		263304.7							107602.9	155701.6

90. Annexure 47: Kota Cultivated Area

23	Kota	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	21834	2893	63161	26139	3002	78466	32613	2904	94703	26862	2933	78777
2	Maize	3635	2648	9626	2650	1635	4332	2054	390	801	2780	1558	4920
3	G.Nut	426	1965	837	234	2056	481	131	2198	288	264	2073	535
4	Castor	0	0	0	0	0	0	0	0	0	0	0	0
5	Cotton	4	553	13	9	548	29	0	0	0	4	367	14
6	Mustard	36954	1665	61516	61363	1932	118583	24894	1761	43842	41070	1786	74647
	Total	62853	9724	135153	90395	9173	201891	59692	7253	139634			

91. Annexure 48 (A): Kota Biomass Generation, Consumption & Surplus/Deficit

23	Kota		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	63165.8	31074.8	0.0	0.0	32091.0	0.0	0.0	63165.8	0.0
2	Maize Stalks	1.5	14438.2	14438.2	0.0	0.0	0.0	0.0	0.0	14438.2	0.0
3	Ground Nut Stalks	2.0	1674.2	216.0	90.4	16.0	37.0	22.9	129.0	511.3	1162.9
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	8.4	0.2	0.9	0.2	0.5	0.4	0.9	3.0	5.4
6	Mustard Stalks & Husk	1.8	110751.1	54484.7	0.0	0.0	52713.0	0.0	0.0	107197.7	3553.4
	Total		190037.7							188869.5	1168.2

92. Annexure 48 (B): Kota Biomass Generation, Consumption & Surplus/Deficit

23	Kota		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	78469.3	38603.5	0.0	0.0	39865.8	0.0	0.0	78469.3	0.0
2	Maize Stalks	1.5	6499.1	6499.1	0.0	0.0	0.0	0.0	0.0	6499.1	0.0
3	Ground Nut Stalks	2.0	962.2	124.1	52.0	9.2	21.2	13.2	74.2	293.9	668.3
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	18.7	0.4	2.0	0.5	1.1	0.8	2.0	6.7	12.0
6	Mustard Stalks & Husk	1.8	213396.0	104981.5	0.0	0.0	101567.8	0.0	0.0	206549.3	6846.7
	Total		299345.3							298665.1	680.2

93. Annexure 48 (C): Kota Biomass Generation, Consumption & Surplus/Deficit

23	Kota		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	94708.2	46592.3	0.0	0.0	48115.9	0.0	0.0	94708.2	0.0
2	Maize Stalks	1.5	1201.6	1201.6	0.0	0.0	0.0	0.0	0.0	1201.6	0.0
3	Ground Nut Stalks	2.0	575.9	74.3	31.1	5.5	12.7	7.9	44.4	175.9	400.0
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	Mustard Stalks & Husk	1.8	78909.0	38819.8	0.0	0.0	37557.5	0.0	0.0	76377.3	2531.8
	Total		175394.8							174994.8	400

94. Annexure 49: Baran Cultivated Area

24	Baran	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	17214	2641	45457	17842	2727	48651	20785	2210	45936	18614	2526	46681
2	Maize	20655	2984	61640	17955	2227	3991	11580	716	8295	16730	1976	24642
3	G.Nut	985	1965	1936	627	2056	1289	384	2195	843	665	2072	1356
4	Castor	0	0	0	0	0	0	0	0	0	0	0	0
5	Cotton	0	0	0	9	548	29	0	0	0	3	183	10
6	Mustard	64244	2120	136179	111490	2118	236101	69169	1808	125042	81634	2015	165774
	Total	103098	9710	245212	147923	9676	290061	101918	6929	180116			

95. Annexure 50 (A): Baran Biomass Generation, Consumption & Surplus/Deficit

24	Baran		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	45462.2	42515.6	0.0	0.0	2946.5	0.0	0.0	45462.2	0.0
2	Maize Stalks	1.5	92451.8	92451.8	0.0	0.0	0.0	0.0	0.0	92451.8	0.0
3	Ground Nut Stalks	2.0	3871.1	499.4	209.1	37.1	85.5	52.9	298.4	1182.3	2688.8
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	Mustard Stalks & Husk	1.8	245155.1	0.0	24515.8	0.0	12257.9	294186.7	0.0	330960.4	-85805.3
	Total		386940.2							470056.7	-83116.5

96. Annexure 50 (B): Baran Biomass Generation, Consumption & Surplus/Deficit

24	Baran		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	48655.1	45501.7	0.0	0.0	3153.5	0.0	0.0	48655.1	0.0
2	Maize Stalks	1.5	59978.7	59978.7	0.0	0.0	0.0	0.0	0.0	59978.7	0.0
3	Ground Nut Stalks	2.0	2578.2	332.6	139.2	24.7	56.9	35.3	198.7	787.4	1790.8
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	18.7	0.4	2.0	0.5	1.1	0.8	2.0	6.7	12.0
6	Mustard Stalks & Husk	1.8	425044.5	0.0	42505.0	0.0	21252.5	510054.4	0.0	573811.8	-148767.3
	Total		536275.2							683239.7	-146965

97. Annexure 50 (C): Baran Biomass Generation, Consumption & Surplus/Deficit

24	Baran		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	45934.9	42957.7	0.0	0.0	2977.2	0.0	0.0	45934.9	0.0
2	Maize Stalks	1.5	12436.9	12436.9	0.0	0.0	0.0	0.0	0.0	12436.9	0.0
3	Ground Nut Stalks	2.0	1685.8	217.5	91.0	16.1	37.2	23.1	129.9	514.9	1170.9
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	Mustard Stalks & Husk	1.8	225103.6	0.0	22510.6	0.0	11255.3	270124.8	0.0	303890.8	-78787.2
	Total		285161.2							362777.5	-77616.3

98. Annexure 51: Bundi Cultivated Area

25	Bundi	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	47006	2832	133100	50218	2489	125013	57825	2690	155524	51683	2670	137879
2	Maize	22944	3455	79263	23759	4704	111752	40262	707	28471	28988	2955	73162
3	G.Nut	387	1966	761	330	2058	679	369	2195	610	362	2073	683
4	Castor	4	1000	4	0	0	0	2	2000	4	2	1000	3
5	Cotton	269	551	872	286	552	929	59	622	216	205	575	672
6	Mustard	20628	1377	2807	59073	1635	96594	41562	1612	67004	40421	1541	55468
	Total	91238	11181	216807	133666	11438	334967	140079	9826	251829			

99. Annexure 52 (A): Bundi Biomass Generation, Consumption & Surplus/Deficit

25	Bundi		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	133121.0	131530.1	0.0	0.0	1590.9	0.0	0.0	133121.0	0.0
2	Maize Stalks	1.5	118907.3	92284.9	0.0	0.0	26622.4	0.0	0.0	118907.3	0.0
3	Ground Nut Stalks	2.0	1521.7	196.3	82.2	14.6	33.6	20.8	117.3	464.8	1056.9
4	Castor Stem	1.3	5.2	0.0	0.6	0.3	0.0	0.0	0.0	0.9	4.3
5	Cotton Stalks	3.8	563.2	0.0	337.9	112.6	112.6	0.0	0.0	563.2	0.0
6	Mustard Stalks & Husk	1.8	51128.6	0.0	5113.2	0.0	2556.6	10225.7	15338.9	33234.5	17894.1
	Total		305247							286291.7	18955.3

100. Annexure 52 (B): Bundi Biomass Generation, Consumption & Surplus/Deficit

25	Bundi		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	124992.6	123498.9	0.0	0.0	1493.7	0.0	0.0	124992.6	0.0
2	Maize Stalks	1.5	167643.5	130109.5	0.0	0.0	37534.0	0.0	0.0	167643.5	0.0
3	Ground Nut Stalks	2.0	1358.3	175.2	73.4	13.0	30.0	18.6	104.7	414.8	943.4
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	599.9	0.0	359.9	120.0	120.0	0.0	0.0	599.9	0.0
6	Mustard Stalks & Husk	1.8	173851.8	0.0	17386.4	0.0	8693.2	34770.4	52156.8	113006.7	60845.1
	Total		468446.1							406657.5	61788.5

101. Annexure 52 (C): Bundi Biomass Generation, Consumption & Surplus/Deficit

25	Bundi		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	155549.3	153690.3	0.0	0.0	1858.9	0.0	0.0	155549.3	0.0
2	Maize Stalks	1.5	42697.9	33138.1	0.0	0.0	9559.7	0.0	0.0	42697.9	0.0
3	Ground Nut Stalks	2.0	1619.9	209.0	87.5	15.5	35.8	22.1	124.9	494.8	1125.2
4	Castor Stem	1.3	5.2	0.0	0.6	0.3	0.0	0.0	0.0	0.9	4.3
5	Cotton Stalks	3.8	139.5	0.0	83.7	27.9	27.9	0.0	0.0	139.5	0.0
6	Mustard Stalks & Husk	1.8	120596.3	0.0	12060.5	0.0	6030.2	24119.3	36179.7	78389.7	42206.6
	Total		320608.1							277272.1	43336.1

102. Annexure 53: Jhalawar Cultivated Area

26	Jhalawar	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	4445	2885	12823	4825	2214	10681	5125	1478	7576	4798	2192	10360
2	Maize	45990	3064	140917	43343	2858	123862	39104	676	26445	42812	2199	97075
3	G.Nut	1481	1966	2911	1153	2056	2371	972	2194	2133	1202	2072	2472
4	Castor	0	0	0	1	0	0	1	0	0	1	0	0
5	Cotton	4	553	13	1	510	3	0	0	0	2	354	5
6	Mustard	39763	257	10232	69174	1645	113814	34599	1617	55937	47845	1173	59994
	Total	91683	8725	166896	118497	9283	250731	79801	5965	92091			

103. Annexure 54 (A): Jhalawar Biomass Generation, Consumption & Surplus/Deficit

26	Jhalawar	Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2017-18									
S.No	Biomass Name	CRR	Biomass Generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	12823.8	12823.8	0.0	0.0	0.0	0.0	0.0	12823.8	0.0
2	Maize Stalks	1.5	211370.0	211370.0	0.0	0.0	0.0	0.0	0.0	211370.0	0.0
3	Ground Nut Stalks	2.0	5823.3	751.3	314.5	55.7	128.6	79.6	448.8	1778.6	4044.7
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	8.4	0.2	0.9	0.2	0.5	0.4	0.9	3.0	5.4
6	Mustard Stalks & Husk	1.8	18394.4	0.0	1839.4	0.0	919.7	0.0	0.0	2759.2	15635.2
	Total		248419.9							228734.6	19685.3

104. Annexure 54 (B): Jhalawar Biomass Generation, Consumption & Surplus/Deficit

26 Jhalawar		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2018-19									
S.No	Biomass Name	CRR	Biomass Generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	10682.6	10682.6	0.0	0.0	0.0	0.0	0.0	10682.6	0.0
2	Maize Stalks	1.5	185811.4	185811.4	0.0	0.0	0.0	0.0	0.0	185811.4	0.0
3	Ground Nut Stalks	2.0	4741.1	611.7	256.0	45.4	104.7	64.8	365.4	1448.0	3293.1
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	1.9	0.0	0.2	0.1	0.1	0.1	0.2	0.7	1.2
6	Mustard Stalks & Husk	1.8	204824.2	0.0	20482.4	0.0	10241.2	0.0	0.0	30723.6	174100.6
	Total		406061.2							228666.3	177394.9

105. Annexure 54 (C): Jhalawar Biomass Generation, Consumption & Surplus/Deficit

26	Jhalawar	Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2019-20									
S.No	Biomass Name	CRR	Biomass Generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	7574.8	7574.8	0.0	0.0	0.0	0.0	0.0	7574.8	0.0
2	Maize Stalks	1.5	39651.5	39651.5	0.0	0.0	0.0	0.0	0.0	39651.5	0.0
3	Ground Nut Stalks	2.0	4265.1	550.3	230.3	40.8	94.2	58.3	328.7	1302.7	2962.5
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	Mustard Stalks & Husk	1.8	100703.8	0.0	10070.4	0.0	5035.2	0.0	0.0	15105.6	85598.3
	Total		152195.2							63634.6	88560.8

106. Annexure 55: Banswara Cultivated Area

27	Banswara	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	28592	1010	28868	27953	806	22518	28276	749	21185	28274	855	24190
2	Maize	97523	1676	163422	102783	1657	170349	100458	1263	126877	100255	1532	153549
3	G.Nut	257	1965	505	267	2056	549	263	2194	577	262	2072	544
4	Castor	7	429	3	16	375	6	6	500	3	10	435	4
5	Cotton	10576	560	34823	10709	381	23975	10385	647	39512	10557	529	32770
6	Mustard	40	1625	65	7	1740	12	5	1586	8	17	1650	28
	Total	136995	7265	227686	141735	7015	217409	139393	6939	188162			

107. Annexure 56 (A): Banswara Biomass Generation, Consumption & Surplus/Deficit

27	Banswara		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	28877.9	27208.8	0.0	0.0	1669.1	0.0	0.0	28877.9	0.0
2	Maize Stalks	1.5	245172.8	237267.1	0.0	0.0	7905.8	0.0	0.0	245172.8	0.0
3	Ground Nut Stalks	2.0	1010.0	130.3	54.5	9.7	22.3	13.8	77.8	308.5	701.5
4	Castor Stem	1.3	3.9	0.0	0.4	0.3	0.0	0.0	0.0	0.7	3.2
5	Cotton Stalks	3.8	22505.7	0.0	2261.4	0.0	1130.7	0.0	0.0	3392.2	19113.6
6	Mustard Stalks & Husk	1.8	117.0	0.0	82.5	0.0	34.5	0.0	0.0	117.0	0.0
	Total		297687.3							277869.1	19818.3

108. Annexure 56 (B): Banswara Biomass Generation, Consumption & Surplus/Deficit

27	Banswara		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	22530.1	21227.9	0.0	0.0	1302.2	0.0	0.0	22530.1	0.0
2	Maize Stalks	1.5	255467.1	247229.4	0.0	0.0	8237.7	0.0	0.0	255467.1	0.0
3	Ground Nut Stalks	2.0	1097.9	141.6	59.3	10.5	24.2	15.0	84.6	335.3	762.6
4	Castor Stem	1.3	7.8	0.0	0.8	0.5	0.1	0.0	0.0	1.4	6.4
5	Cotton Stalks	3.8	15504.5	0.0	1557.9	0.0	779.0	0.0	0.0	2336.9	13167.6
6	Mustard Stalks & Husk	1.8	21.9	0.0	15.5	0.0	6.5	0.0	0.0	21.9	0.0
	Total		294629.3							280692.7	13936.6

109. Annexure 56 (C): Banswara Biomass Generation, Consumption & Surplus/Deficit

27	Banswara	Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2019-20									
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	21178.7	19954.6	0.0	0.0	1224.1	0.0	0.0	21178.7	0.0
2	Maize Stalks	1.5	190317.7	184180.8	0.0	0.0	6136.9	0.0	0.0	190317.7	0.0
3	Ground Nut Stalks	2.0	1154.0	148.9	62.3	11.0	25.5	15.8	88.9	352.5	801.6
4	Castor Stem	1.3	3.9	0.0	0.4	0.3	0.0	0.0	0.0	0.7	3.2
5	Cotton Stalks	3.8	25532.6	0.0	2565.6	0.0	1282.8	0.0	0.0	3848.4	21684.2
6	Mustard Stalks & Husk	1.8	14.3	0.0	10.1	0.0	4.2	0.0	0.0	14.3	0.0
	Total		238201.2							215712.3	22489

110. Annexure 57: Dungarpur Cultivated Area

28	Dungarpur	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	17167	1149	19733	14577	953	13894	16820	1061	17853	16188	1054	17160
2	Maize	61262	1144	70094	60739	1448	87955	60851	1070	65101	60951	1221	74383
3	G.Nut	27	1963	53	32	2063	66	24	2208	53	28	2078	57
4	Castor	157	1000	157	93	1000	93	22	364	8	91	788	86
5	Cotton	587	551	1902	588	94	325	485	623	1778	553	423	1335
6	Mustard	427	1614	689	315	1727	544	134	1586	213	292	1642	482
	Total	79627	7421	92628	76344	7285	102877	78336	6912	85006			

111. Annexure 58 (A): Dungarpur Biomass Generation, Consumption & Surplus/Deficit

28	Dungarpur		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	19724.9	19466.1	0.0	0.0	258.8	0.0	0.0	19724.9	0.0
2	Maize Stalks	1.5	105125.6	96023.7	0.0	0.0	9101.9	0.0	0.0	105125.6	0.0
3	Ground Nut Stalks	2.0	106.0	13.7	5.7	1.0	2.3	1.4	8.2	32.4	73.6
4	Castor Stem	1.3	204.1	0.0	21.9	13.5	1.8	0.0	0.0	37.1	167.0
5	Cotton Stalks	3.8	1229.1	0.0	122.9	0.0	61.5	0.0	0.0	184.4	1044.7
6	Mustard Stalks & Husk	1.8	1240.5	0.0	247.2	0.0	247.2	0.0	0.0	494.5	746.1
	Total		127630.2							125598.9	2031.4

112. Annexure 58 (B): Dungarpur Biomass Generation, Consumption & Surplus/Deficit

28	Dungarpur		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	13891.9	13709.6	0.0	0.0	182.3	0.0	0.0	13891.9	0.0
2	Maize Stalks	1.5	131925.1	120502.9	0.0	0.0	11422.2	0.0	0.0	131925.1	0.0
3	Ground Nut Stalks	2.0	132.0	17.0	7.1	1.3	2.9	1.8	10.2	40.3	91.7
4	Castor Stem	1.3	120.9	0.0	13.0	8.0	1.0	0.0	0.0	22.0	98.9
5	Cotton Stalks	3.8	210.0	0.0	21.0	0.0	10.5	0.0	0.0	31.5	178.5
6	Mustard Stalks & Husk	1.8	979.2	0.0	195.2	0.0	195.2	0.0	0.0	390.3	588.9
	Total		147259.1							146301.1	958

113. Annexure 58 (C): Dungarpur Biomass Generation, Consumption & Surplus/Deficit

28	Dungarpur		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	17846.0	17611.9	0.0	0.0	234.2	0.0	0.0	17846.0	0.0
2	Maize Stalks	1.5	97665.9	89209.8	0.0	0.0	8456.0	0.0	0.0	97665.9	0.0
3	Ground Nut Stalks	2.0	106.0	13.7	5.7	1.0	2.3	1.4	8.2	32.4	73.6
4	Castor Stem	1.3	10.4	0.0	1.1	0.7	0.1	0.0	0.0	1.9	8.5
5	Cotton Stalks	3.8	1148.2	0.0	114.8	0.0	57.4	0.0	0.0	172.2	976.0
6	Mustard Stalks & Husk	1.8	382.5	0.0	76.2	0.0	76.2	0.0	0.0	152.5	230.1
	Total		117159							115870.9	1288.2

114. Annexure 59: Udaipur Cultivated Area

29	Udaipur	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	5202	1141	5937	4641	997	4629	4692	1006	4721	4845	1048	5096
2	Maize	163050	1334	217540	158849	1966	312367	160254	1018	16313	160718	1439	182073
3	G.Nut	1415	768	1087	1348	925	1247	1379	653	900	1381	782	1078
4	Castor	64	1000	64	55	818	45	27	1000	27	49	939	45
5	Cotton	1229	341	2464	1431	552	4646	1627	623	5964	1429	505	4358
6	Mustard	7650	940	7190	6198	892	5531	5683	711	4039	6510	848	5587
	Total	178610	5524	234282	172522	6150	328465	173662	5011	31964			

115. Annexure 60 (A): Udaipur Biomass Generation, Consumption & Surplus/Deficit

29	Udaipur		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	5935.5	5750.8	0.0	0.0	184.7	0.0	0.0	5935.5	0.0
2	Maize Stalks	1.5	326263.1	295047.8	0.0	0.0	31215.3	0.0	0.0	326263.1	0.0
3	Ground Nut Stalks	2.0	2173.4	280.4	117.4	20.8	48.0	29.7	167.5	663.8	1509.6
4	Castor Stem	1.3	83.2	0.0	8.9	5.5	0.7	0.0	0.0	15.1	68.1
5	Cotton Stalks	3.8	1592.5	0.0	159.3	0.0	79.6	0.0	318.5	557.4	1035.1
6	Mustard Stalks & Husk	1.8	12943.8	0.0	1294.1	0.0	647.0	0.0	3883.2	5824.3	7119.5
	Total		348991.5							339259.2	9732.3

116. Annexure 60 (B): Udaipur Biomass Generation, Consumption & Surplus/Deficit

29	Udaipur		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	4627.1	4483.1	0.0	0.0	144.0	0.0	0.0	4627.1	0.0
2	Maize Stalks	1.5	468445.7	423627.1	0.0	0.0	44818.6	0.0	0.0	468445.7	0.0
3	Ground Nut Stalks	2.0	2493.8	321.7	134.7	23.9	55.1	34.1	192.2	761.7	1732.1
4	Castor Stem	1.3	58.5	0.0	6.3	3.9	0.5	0.0	0.0	10.6	47.9
5	Cotton Stalks	3.8	3001.7	0.0	300.2	0.0	150.1	0.0	600.3	1050.6	1951.1
6	Mustard Stalks & Husk	1.8	9951.5	0.0	994.9	0.0	497.5	0.0	2985.5	4477.9	5473.6
	Total		488578.3							479373.6	9204.7

117. Annexure 60 (C): Udaipur Biomass Generation, Consumption & Surplus/Deficit

29	Udaipur		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	4720.2	4573.3	0.0	0.0	146.9	0.0	0.0	4720.2	0.0
2	Maize Stalks	1.5	244707.9	221295.4	0.0	0.0	23412.5	0.0	0.0	244707.9	0.0
3	Ground Nut Stalks	2.0	1801.0	232.4	97.3	17.2	39.8	24.6	138.8	550.1	1250.9
4	Castor Stem	1.3	35.1	0.0	3.8	2.3	0.3	0.0	0.0	6.4	28.7
5	Cotton Stalks	3.8	3851.8	0.0	385.2	0.0	192.6	0.0	770.4	1348.1	2503.6
6	Mustard Stalks & Husk	1.8	7273.1	0.0	727.1	0.0	363.6	0.0	2182.0	3272.7	4000.4
	Total		262389.1							254605.4	7783.6

118. Annexure 61: Pratapgarh Cultivated Area

30	Pratapgarh	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	829	2366	1961	804	2291	1842	775	2190	1697	803	2282	1833
2	Maize	41908	1915	80243	42495	2106	89489	38565	1423	54894	40989	1815	74875
3	G.Nut	741	1965	1456	1542	2056	3171	1459	618	958	1247	1546	1862
4	Castor	3	0	0	4	1250	5	0	0	0	2	417	2
5	Cotton	964	551	3123	813	552	2640	915	174	938	897	426	2234
6	Mustard	10711	1503	16097	17087	1668	28507	8819	1817	16025	12206	1663	20210
7	Total	55156	8300	102880	62745	9923	125654	50533	6222	74512			

119. Annexure 62 (A): Pratapgarh Biomass Generation, Consumption & Surplus/Deficit

30	Pratapgarh	Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2017-18									
S.No	Biomass Name	CRR	Biomass Generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	1961.4	1961.4	0.0	0.0	0.0	0.0	0.0	1961.4	0.0
2	Maize Stalks	1.5	120380.7	120380.7	0.0	0.0	0.0	0.0	0.0	120380.7	0.0
3	Ground Nut Stalks	2.0	2912.1	375.7	157.3	27.9	64.3	39.8	224.4	889.4	2022.7
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	2018.4	0.0	209.9	0.0	96.9	0.0	209.9	516.7	1501.7
6	Mustard Stalks & Husk	1.8	28977.5	0.0	2897.1	0.0	1448.6	0.0	2897.1	7242.9	21734.7
	Total		156250.1							130991.1	25259.1

120. Annexure 62 (B): Pratapgarh Biomass Generation, Consumption & Surplus/Deficit

30	Pratapgarh		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2018-19								
S.No	Biomass Name	CRR	Biomass Generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	1842.0	1842.0	0.0	0.0	0.0	0.0	0.0	1842.0	0.0
2	Maize Stalks	1.5	134241.7	134241.7	0.0	0.0	0.0	0.0	0.0	134241.7	0.0
3	Ground Nut Stalks	2.0	6340.7	818.1	342.4	60.7	140.0	86.7	488.7	1936.6	4404.1
4	Castor Stem	1.3	6.5	0.0	0.7	0.4	0.1	0.0	0.0	1.2	5.3
5	Cotton Stalks	3.8	1705.3	0.0	177.4	0.0	81.9	0.0	177.4	436.6	1268.8
6	Mustard Stalks & Husk	1.8	51302.0	0.0	5129.1	0.0	2564.6	0.0	5129.1	12822.8	38479.2
	Total		195438.2							151280.9	44157.4

121. Annexure 62 (C): Pratapgarh Biomass Generation, Consumption & Surplus/Deficit

30	Pratapgarh		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2019-20								
S.No	Biomass Name	CRR	Biomass Generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	1697.3	1697.3	0.0	0.0	0.0	0.0	0.0	1697.3	0.0
2	Maize Stalks	1.5	82317.0	82317.0	0.0	0.0	0.0	0.0	0.0	82317.0	0.0
3	Ground Nut Stalks	2.0	1803.3	232.7	97.4	17.3	39.8	24.7	139.0	550.8	1252.6
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	605.0	0.0	62.9	0.0	29.0	0.0	62.9	154.9	450.1
6	Mustard Stalks & Husk	1.8	28843.4	0.0	2883.7	0.0	1441.9	0.0	2883.7	7209.4	21634.1
	Total		115266							91929.4	23336.8

122. Annexure 63: Bhilwara Cultivated Area

31	Bhilwara	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	576	2366	1363	524	2291	1200	471	2189	1031	524	2282	1198
2	Maize	158939	2276	361781	155341	2461	382335	171420	1448	248191	161900	2062	330769
3	G.Nut	9088	1214	11031	10896	1513	16481	11905	787	9368	10630	1171	12293
4	Castor	15	333	5	38	1000	38	79	557	44	44	630	29
5	Cotton	41467	653	159294	42344	587	146219	44448	468	122313	42753	569	142609
6	Mustard	21650	1253	27128	32744	1231	40322	34457	1701	58594	29617	1395	42015
7	Total	231735	8095	560602	241887	9083	586595	262780	7150	439541			

123. Annexure 64 (A): Bhilwara Biomass Generation, Consumption & Surplus/Deficit

31	Bhilwara	Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2017-18									
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	1362.8	1179.2	0.0	0.0	183.6	0.0	0.0	1362.8	0.0
2	Maize Stalks	1.5	542617.7	518369.6	0.0	0.0	24248.1	0.0	0.0	542617.7	0.0
3	Ground Nut Stalks	2.0	22065.7	2846.8	1191.6	211.2	487.2	301.7	1700.7	6739.3	15326.4
4	Castor Stem	1.3	6.5	0.0	0.7	0.4	0.1	0.0	0.0	1.2	5.3
5	Cotton Stalks	3.8	102896.2	0.0	10283.3	0.0	5149.5	0.0	10283.3	25716.2	77180.0
6	Mustard Stalks & Husk	1.8	48829.4	0.0	4882.8	0.0	2441.9	0.0	14648.5	21973.3	26856.1
	Total		717778.3							598410.5	119367.8

124. Annexure 64 (B): Bhilwara Biomass Generation, Consumption & Surplus/Deficit

31	Bhilwara		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2018-19								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	1200.5	1038.8	0.0	0.0	161.7	0.0	0.0	1200.5	0.0
2	Maize Stalks	1.5	573441.3	547815.7	0.0	0.0	25625.6	0.0	0.0	573441.3	0.0
3	Ground Nut Stalks	2.0	32971.3	4253.9	1780.6	315.6	728.0	450.8	2541.2	10070.1	22901.2
4	Castor Stem	1.3	49.4	0.0	5.3	3.3	0.4	0.0	0.0	9.0	40.4
5	Cotton Stalks	3.8	94452.5	0.0	9439.5	0.0	4726.9	0.0	9439.5	23605.9	70846.6
6	Mustard Stalks & Husk	1.8	72554.2	0.0	7255.3	0.0	3628.3	0.0	21765.8	32649.4	39904.7
7	Total		774669.2							640976.2	133692.9

125. Annexure 64 (C): Bhilwara Biomass Generation, Consumption & Surplus/Deficit

31	Bhilwara	Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2019-20									
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	1031.0	892.1	0.0	0.0	138.9	0.0	0.0	1031.0	0.0
2	Maize Stalks	1.5	372324.2	355686.1	0.0	0.0	16638.2	0.0	0.0	372324.2	0.0
3	Ground Nut Stalks	2.0	18738.5	2417.6	1012.0	179.4	413.7	256.2	1444.2	5723.1	13015.4
4	Castor Stem	1.3	57.2	0.0	6.1	3.8	0.5	0.0	0.0	10.4	46.8
5	Cotton Stalks	3.8	79046.3	0.0	7899.8	0.0	3955.9	0.0	7899.8	19755.6	59290.8
6	Mustard Stalks & Husk	1.8	105500.4	0.0	10549.8	0.0	5275.9	0.0	31649.5	47475.3	58025.1
	Total		576697.6							446319.6	130378.1

126. Annexure 65: Chittorgarh Cultivated Area

32	Chittorgarh	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	1076	2301	2476	1215	1635	1966	1177	743	874	1156	1560	1772
2	Maize	106816	3050	325791	106623	3059	326146	122244	1693	206977	111894	2601	286305
3	G.Nut	18344	1689	30990	25709	1981	50920	25350	784	19880	23134	1485	33930
4	Castor	0	0	0	5	1000	5	2	1000	2	2	667	2
5	Cotton	11994	656	46254	15153	571	50852	12117	360	25687	13088	529	40931
6	Mustard	35067	1515	53119	80156	1603	64373	14303	1846	26409	43175	1655	47967
	Total	173297	9211	458630	228861	9849	494262	175193	6426	279829			

127. Annexure 66 (A): Chittorgarh Biomass Generation, Consumption & Surplus/Deficit

32	Chittorgarh		Biomass Generation, Consumption&Surplus/Deficit in Tonnes FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	2475.9	2255.1	0.0	0.0	220.8	0.0	0.0	2475.9	0.0
2	Maize Stalks	1.5	488683.2	442365.3	0.0	0.0	46317.9	0.0	0.0	488683.2	0.0
3	Ground Nut Stalks	2.0	61966.0	7994.7	3346.5	593.2	1368.2	847.3	4775.9	18925.7	43040.3
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	29898.6	0.0	2992.1	0.0	1496.1	5984.3	2992.1	13464.7	16434.0
6	Mustard Stalks & Husk	1.8	95627.7	0.0	9562.5	0.0	4782.0	28688.9	9562.5	52595.8	43031.9
	Total		678651.4							576145.3	102506.2

128. Annexure 66 (B): Chittorgarh Biomass Generation, Consumption & Surplus/Deficit

32	Chittorgarh	Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2018-19									
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	1986.5	1809.4	0.0	0.0	177.2	0.0	0.0	1986.5	0.0
2	Maize Stalks	1.5	489239.6	442869.0	0.0	0.0	46370.6	0.0	0.0	489239.6	0.0
3	Ground Nut Stalks	2.0	101859.1	13141.6	5500.9	975.0	2249.0	1392.8	7850.6	31109.8	70749.2
4	Castor Stem	1.3	6.5	0.0	0.7	0.4	0.1	0.0	0.0	1.2	5.3
5	Cotton Stalks	3.8	32879.0	0.0	3290.4	0.0	1645.2	6580.8	3290.4	14806.8	18072.1
6	Mustard Stalks & Husk	1.8	231282.1	0.0	23127.5	0.0	11565.5	69386.1	23127.5	127206.6	104075.5
	Total		857252.8							664350.5	192902.1

129. Annexure 66 (C): Chittorgarh Biomass Generation, Consumption & Surplus/Deficit

32	Chittorgarh	Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2019-20									
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	874.5	796.5	0.0	0.0	78.0	0.0	0.0	874.5	0.0
2	Maize Stalks	1.5	310438.6	281015.0	0.0	0.0	29423.7	0.0	0.0	310438.6	0.0
3	Ground Nut Stalks	2.0	39748.8	5128.3	2146.6	380.5	877.6	543.5	3063.6	12140.1	27608.7
4	Castor Stem	1.3	2.6	0.0	0.3	0.2	0.0	0.0	0.0	0.5	2.1
5	Cotton Stalks	3.8	16576.1	0.0	1658.9	0.0	829.4	3317.7	1658.9	7464.9	9111.1
6	Mustard Stalks & Husk	1.8	47526.0	0.0	4752.5	0.0	2376.6	14258.1	4752.5	26139.6	21386.4
	Total		415166.6							357058.2	58108.3

130. Annexure 67: Rajsamand Cultivated Area

33	Rajsamand	Cultivated Area											
S.No	Crop Name	2017-18			2018-19			2019-20			Average		
		Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)	Area (Ha)	Yield (kg/Ha)	Production (Tonnes)
1	Paddy	31	2355	73	25	2291	57	26	2192	57	27	2279	62
2	Maize	63510	2340	148634	62990	2090	131626	63392	1744	110536	63297	2058	130265
3	G.Nut	1181	1965	2321	1151	2056	2367	1178	2195	2586	1170	2072	2425
4	Castor	7	1000	7	0	0	0	0	0	0	2	333	2
5	Cotton	4274	606	15230	4531	700	18647	4643	249	6790	4483	518	13556
6	Mustard	1272	882	1046	1035	1015	1050	933	1370	1278	1080	1089	1125
	Total	70275	9148	167311	69732	8152	153747	70172	7750	121247			

131. Annexure 68 (A): Rajsamand Biomass Generation, Consumption & Surplus/Deficit

33	Rajsamand		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2017-18								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	73.0	67.9	0.0	0.0	5.2	0.0	0.0	73.0	0.0
2	Maize Stalks	1.5	222920.1	215672.4	0.0	0.0	7247.7	0.0	0.0	222920.1	0.0
3	Ground Nut Stalks	2.0	4641.3	598.8	250.7	44.4	102.5	63.5	357.7	1417.6	3223.8
4	Castor Stem	1.3	9.1	0.0	1.0	0.6	0.1	0.0	0.0	1.7	7.4
5	Cotton Stalks	3.8	9842.2	0.0	988.4	0.0	489.0	0.0	1966.4	3443.7	6398.4
6	Mustard Stalks & Husk	1.8	2019.4	0.0	202.2	0.0	101.1	0.0	807.5	1110.8	908.6
	Total		239505.1							228966.9	10538.2

132. Annexure 68 (B): Rajsamand Biomass Generation, Consumption & Surplus/Deficit

33	Rajsamand	Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2018-19									
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	57.3	53.2	0.0	0.0	4.0	0.0	0.0	57.3	0.0
2	Maize Stalks	1.5	197473.7	191053.3	0.0	0.0	6420.4	0.0	0.0	197473.7	0.0
3	Ground Nut Stalks	2.0	4732.9	610.6	255.6	45.3	104.5	64.7	364.8	1445.5	3287.4
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	12052.5	0.0	1210.3	0.0	598.8	0.0	2407.9	4217.1	7835.4
6	Mustard Stalks & Husk	1.8	1890.9	0.0	189.4	0.0	94.7	0.0	756.1	1040.1	850.8
	Total		216207.3							204233.7	11973.6

133. Annexure 68 (C): Rajsamand Biomass Generation, Consumption & Surplus/Deficit

33	Rajsamand		Biomass Generation, Consumption & Surplus/Deficit in Tonnes FY 2019-20								
S.No	Biomass Name	CRR	Biomass generation in Tonnes	Biomass Consumption (in Tonnes)							Biomass Surplus in Tonnes
				Fodder	Domestic Fuel	Thatching	Manure	Industrial Use	Brick Kiln	Total	
1	Paddy Straw	1.0	57.0	53.0	0.0	0.0	4.0	0.0	0.0	57.0	0.0
2	Maize Stalks	1.5	165833.5	160441.8	0.0	0.0	5391.7	0.0	0.0	165833.5	0.0
3	Ground Nut Stalks	2.0	5171.4	667.2	279.3	49.5	114.2	70.7	398.6	1579.5	3592.0
4	Castor Stem	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Cotton Stalks	3.8	4393.2	0.0	441.2	0.0	218.3	0.0	877.7	1537.2	2856.0
6	Mustard Stalks & Husk	1.8	2300.8	0.0	230.4	0.0	115.2	0.0	920.0	1265.6	1035.2
	Total		177755.9							170272.8	7483.2

134. Annexure B: Kota Industries Visit Dated 24th October 2021.

Company Name	Do they use Biomass for any purpose?	If YES, Type of Biomass Do you use	Quantity used in 2017 - 2018 (in MT) along with price Per MT	Quantity used in 2018 - 2019 (in MT) along with price Per MT	Quantity used in 2019 - 2020 (in MT) along with price Per MT	Quantity used in 2020 - 2021 (in MT) along with price Per MT	Form in which you procure the Biomass (Loose/ Briquettes/Pellets)	Districts or States from where the Biomass is procured
Shiv Health and Food Ltd	Yes	Mustard Husk and Soya Husk	5250 MT @ Rs 1.50/Kg	9000 MT @ Rs 2.00/Kg	17500 MT @ Rs 2.30/Kg	15000 MT @ Rs 2.70/Kg	Loose and Briquettes both	Kota and Baran
Shiv Edibles Ltd	Yes	Mustard Husk and Soya Husk	21000 MT @ Rs 1.50/Kg	22500 MT @ Rs 2.00/Kg	19500 MT @ Rs 2.30/Kg	21600 MT @ Rs 2.70/Kg	Loose and Briquettes both	Kota and Baran
Rajasthan Textiles Ltd	No							
Mangalam Cement	Yes	Mustard Husk	19000 MT @ Rs 1.75/Kg	21000 MT @ Rs 2.10/Kg	19500 MT @ Rs 2.30/Kg	20200 MT @ Rs 2.70/Kg	Loose	Kota
Mahesh Edible Oil Industries Ltd	Yes	Mustard Husk	24743 MT @ Rs 1.50/Kg	24747 MT @ Rs 2.35/Kg	24328 MT @ Rs 2.10/Kg	24272 MT @ Rs 2.40/Kg	Loose	Kota, Tonk and Baran
DCM Shriram Rayons Ltd	Yes	Mustard Husk	75000 MT @ Rs 1.55/Kg	90000 MT @ Rs 2.25/Kg	100000 MT @ Rs 2.20/Kg	109500 MT @ Rs 2.50/Kg	Loose	Kota, Tonk and Baran
DCM Fertilizers Ltd	Yes	Mustard Husk	60000 MT @ Rs 1.55/Kg	64000 MT @ Rs 2.25/Kg	69000 MT @ Rs 2.20/Kg	79500 MT @ Rs 2.50/Kg	Loose	Kota, Tonk and Baran
Oriental Power Cables Ltd	Yes	Data Not Received						
Goyal Protiens Ltd	Yes							



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