



Government of Kerala



REPORT OF SURVEY ON SLAUGHTER HOUSES AND POULTRY STALLS IN KERALA

Department of Economics & Statistics, Kerala
Thiruvananthapuram
2006



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PREFACE

The animal husbandry sector in Kerala is not so developed as in the neighbouring states. This sector is closely connected with the agricultural activities. Kerala, where agricultural activities are in slow pace compared to the rest of the states in India, is far behind in the case of animal and poultry population. Still the sector has a major role in the economy of the state.

It is a fact that Keralites are mostly non-vegetarian in the sense that meat, fish etc form an integral part of the diet of majority of the population. The meat /egg requirements of the state are mainly met by the animals/poultry coming from states like Tamil Nadu. The animals/birds procured locally and coming from outside the state are being processed in slaughterhouses and majority of which are in the unregistered sector, ie, without any license or registration from the local bodies concerned. Since the activities are carried out illegally, the data collection from such units was also very difficult. The data collection from the registered slaughterhouses was not so difficult as from the unregistered ones. Anyhow the enumerators and supervisors of the survey could gather reliable information from all the slaughterhouses and poultry stalls. I congratulate them in this occasion

The data collected was scrutinized and computerized in the Directorate of the department. Computerisation work was done by Sri. U. Sajeeb U. D. Compiler and DTP work by Sri. S. Saseendran U. D. Typist under the supervision of Sri.K.Vimalan, Deputy Director. The report was prepared by Sri. Rajendran Kuttikkad and Smt. B. Sujatha, U.D.Compilers, Smt.Mollykutty.C.Varkey, Research Officer, under the close supervision and guidance of Sri. S.Rajendran, Joint Director and Sri.K.Asokan, Additional Director. I congratulate them also in this occasion for the sincere efforts taken by them.

Suggestions for the improvement of the report are most welcome.

Thiruvananthapuram,
22/12/2006

M. R. BALAKRISHNAN
DIRECTOR

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Survey On Slaughter Houses and Poultry Stalls In Kerala

CHAPTER I

Introduction

The economy of a country/state can be broadly classified into primary sector, secondary sector and tertiary sector. Animal husbandry, a sub sector of primary sector has a very significant role in State Income. Changes relating to production and day to day increase of slaughter houses and poultry stalls necessitated the updating of the present rates and ratios (for computing State Income etc) on the basis of value added by different organs of cattle of average size and poultry. In addition to the production of meat, bye products such as skin/hides, head, liver, horn, hoofs, guts, bones etc are created while slaughtering. There is no up to date data available now about the number of animals/birds slaughtered, income and expenditure of slaughter houses and poultry stalls, number of animals/birds locally procured etc. Number of unregistered poultry stalls and slaughterhouses are more than the registered ones in the state. The objective of this survey is to collect the above details for revising the rates and ratios relating to this sector for the computation of state income in a realistic manner.

Though Kerala's cattle and poultry population is showing a decreasing trend year after year, the meat consumption in the state is increased day by day. Meat consumption has increased because of the easy availability of it. Cattle population has been decreasing in the state due to various reasons like dwindling facilities for rearing of the cattles and poultry, less remunerative works and easy availability of cattles and poultry from neighbouring states like Tamil Nadu, Karnataka etc. Even if the case is such, the percapita consumption of meat has increased considerably.

There is no authentic data on the number of cattles and poultries slaughtered in the state. Registered cattle and poultry stalls are very few in the state when compared to unregistered stalls. A large number of animals and poultry are slaughtered everyday. For the computation of State Income, the data provided by the Animal Husbandry Department is now used. For computation of state income organ wise data of animals is required. The rates and ratios of different organs prepared long years back or the one

provided by the Central Statistical Organisation is at present used for arriving at the organ wise value added of an animal. Significant changes have occurred in the size and shape of animals with the coming of high breed varieties. The organ wise value added data calculated based on the rates and ratios fixed long years back is not applicable at present. Realising this point, the Central Statistical Organisation has requested the Directorate of Economics and Statistics, Kerala to conduct a survey on the animal and poultry population so as to work out a rational rate and ratio of different organs of cattle.

As per this, the Department of Economics and Statistics took up a survey on slaughter houses and poultry stalls in Kerala.

Objectives:

- 1) To calculate the number of registered and unregistered poultry stalls and slaughter houses in Kerala.
- 2) Number of animals/birds slaughtered in registered and unregistered slaughter houses/poultry stalls in Kerala.
- 3) To compute the weight and price of meat and other products.
- 4) Number of animals and birds procured locally and from outside the state.
- 5) To update the rates and ratios of this sector relating to State Income.

Methodology

The list of registered and unregistered poultry stalls and slaughterhouses was prepared as Block/Municipality/Municipal Corporation as stratum separately. 10 units from each category of every stratum were selected for detailed study.

Forms:- Two types of forms were designed and those were used for this survey.

Form – 01:- Listing form - Used to list out registered and unregistered poultry stalls and slaughter houses.

Form – 02:- Form used for detailed survey.

Limitations

As said earlier, unregistered slaughterhouses outnumbered the registered ones in the state. The data collection from the registered units was not so difficult. But it was very difficult to collect data from the unregistered ones. Also enumerators felt some difficulties in collecting the price and weight of organs like kidney, brain, tail stump, etc separately because most of the traders sell these also along with the meat. Similarly hoof is not at all sold separately. Blood is very rarely used in Kerala for value added purpose.

Anyhow with great patience and care, the enumerators collected the required details from the informants.

CHAPTER II

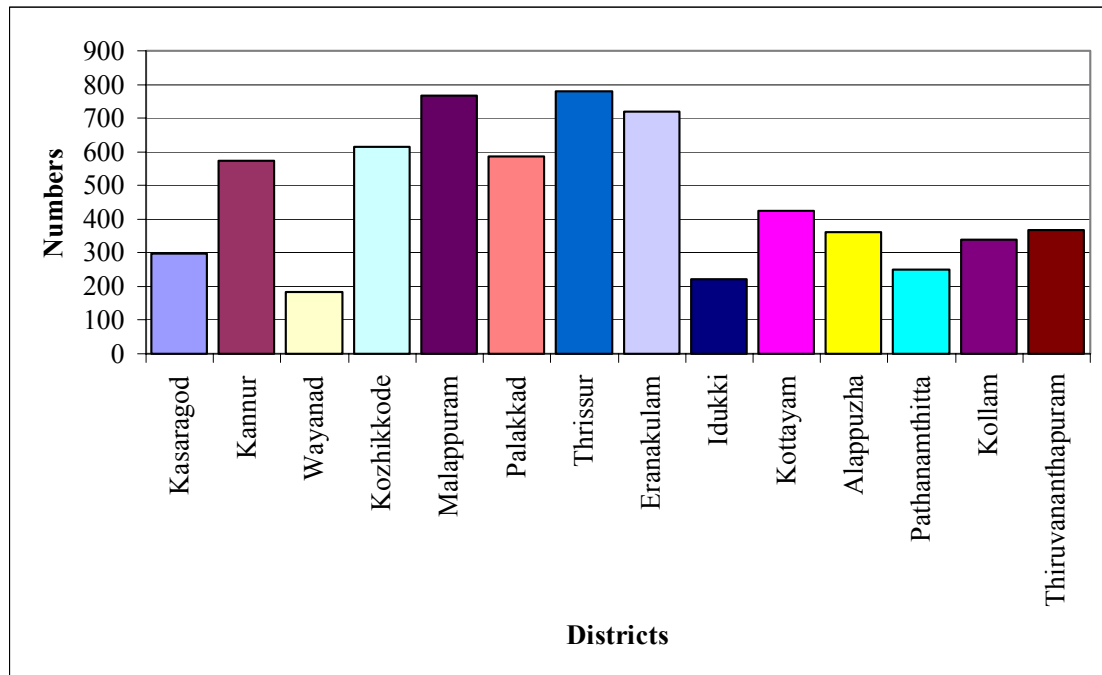
Results of the Survey

As per the survey the total number of poultry stalls functioning in the state are 6489, out of which 2124, i.e., 32% are registered. Thrissur districts stands first in number of poultry stalls. Kozhikkode has the highest number of registered poultry stalls while Ernakulam has the least. Ernakulam has the highest number of unregistered poultry stalls and Wayanad has the least number of this type.

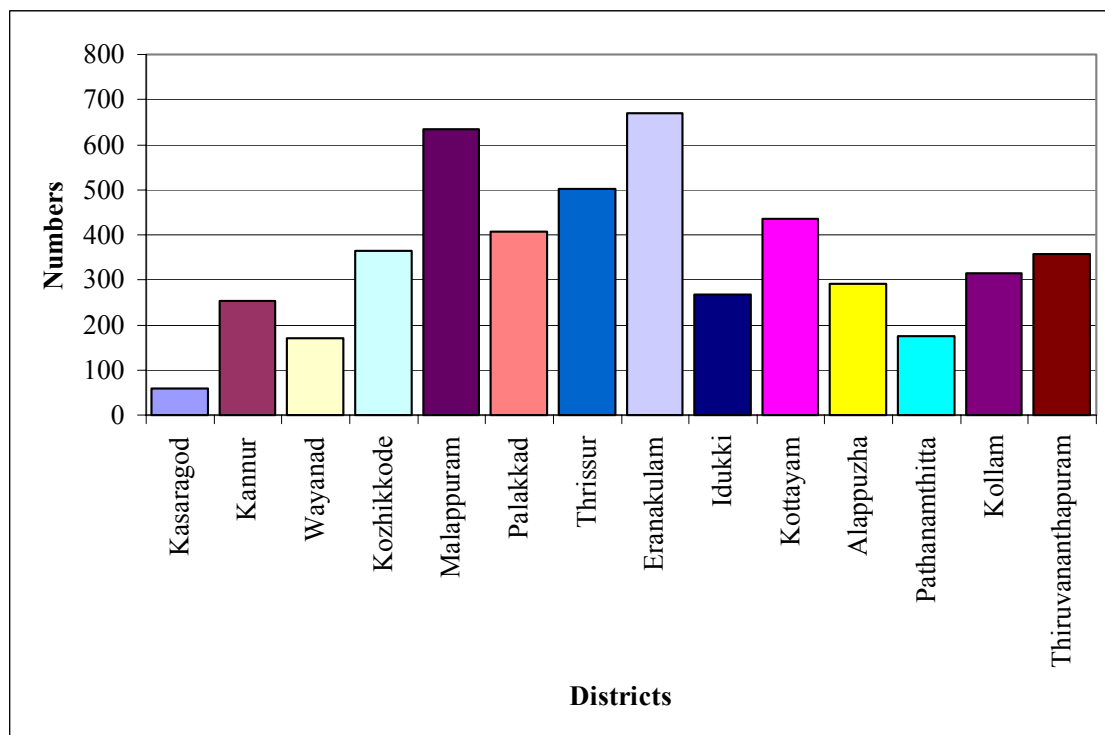
In the case of slaughter houses only 30.38% (1490) are registered (with local authorities) out of a total of 4904. Here also Kozhikkode district tops with 61% registered slaughterhouses and Ernakulam district stands with least registered units (6.87%). Ernakulam district is in top position with regard to the number of slaughterhouses (670) followed by Malappuram (635 Nos). Kasaragod has the least numbers of slaughter houses including registered and unregistered. (Table – 2).

It can be seen that 73.85% of poultry stalls are registered in Municipal Corporation area, 57.1% are registered in Municipal area and 27.57% are registered in Grama Panchayath area. In the case of slaughter houses 78.19 % are registered in Municipal Corporation area, 54.99% registered in Municipal area and only 25.4% are registered in Panchayath area.(Tables 4 & 5). It is found that 191 poultry stalls and 377 slaughterhouses are temporary in nature (Table – 5).

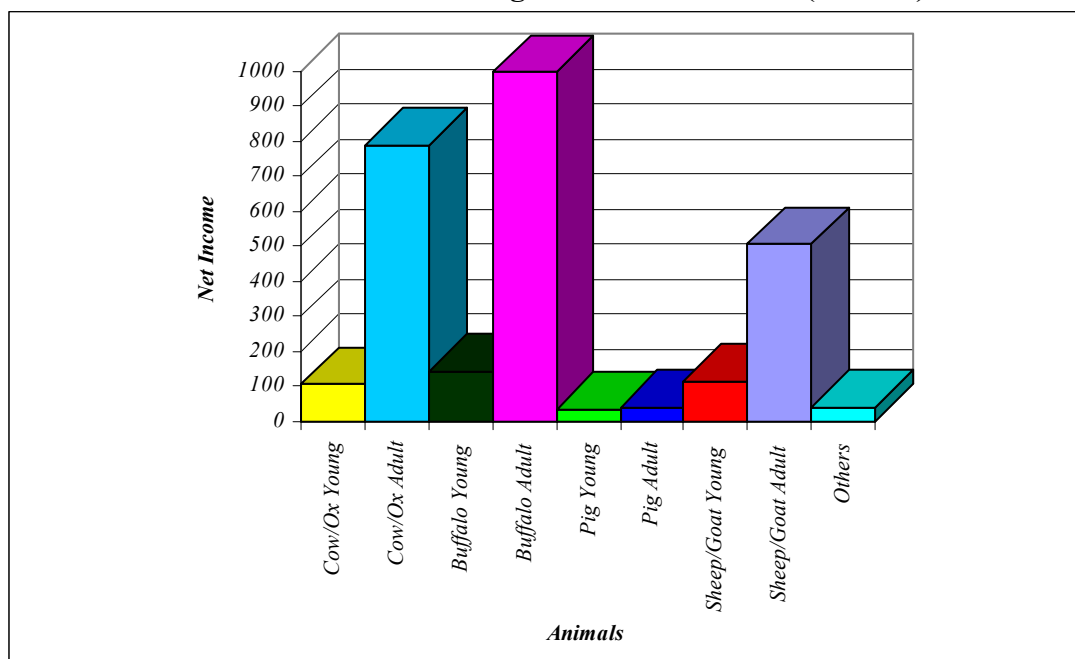
Number of Poultry Stalls- District wise



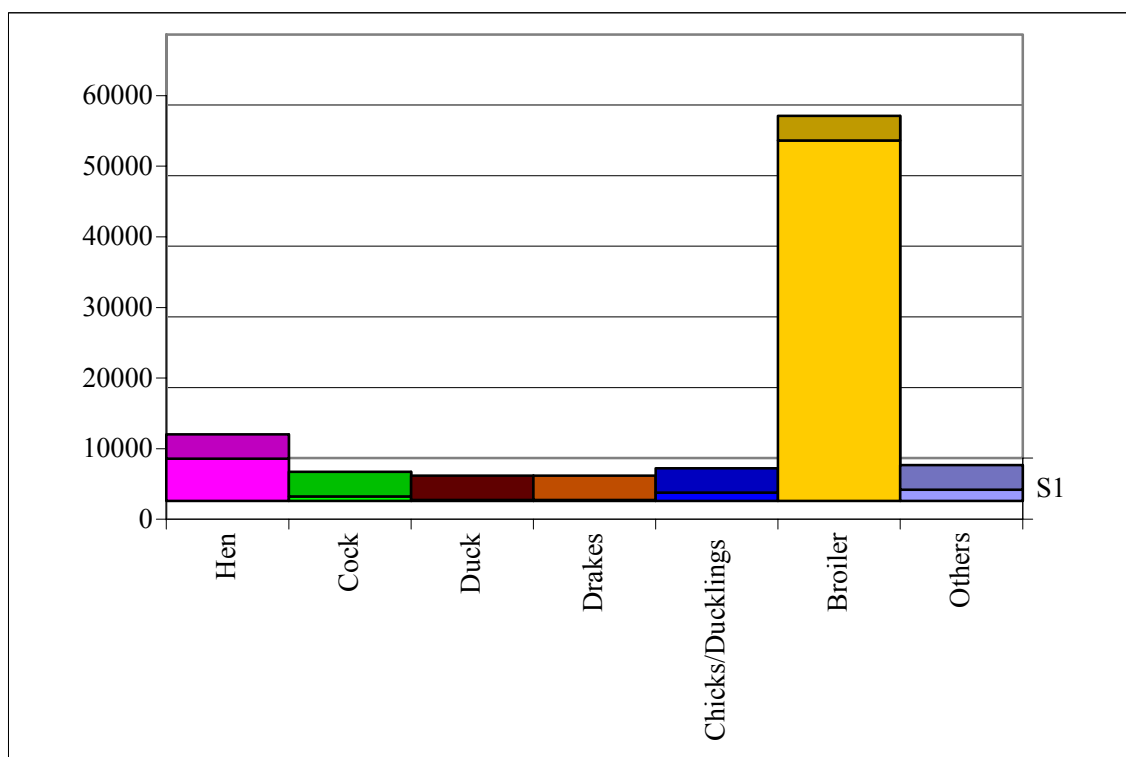
Number of Slaughterhouses- District wise



Number of Animals Slaughtered in thousands (Annual)



Number of Birds Slaughtered in thousands (Annual)



According to the study, the average cost of animal slaughtering, labour charge and other expenses are high in the case of buffaloes (adult), but the net income is high in the case of Cow/ox (adult). The average net income of cow/ox (adult) is Rs. 606.30 followed by buffalo (Rs. 520.42). Net income of pig adult is reported as Rs. 276.77 and that of sheep/goat adult is Rs.171.16. (Table – 7).

In the case of birds, drakes stands first in average net income, i.e., Rs. 9.62 followed by ducks Rs 9.07. (Table– 9).

11.4 lakhs of buffaloes were slaughtered in the state during the reference year. The total number of cows/ox slaughtered is 8.93 lakhs. 6.19 lakhs goat/sheep and 0.73 lakhs of pigs had been slaughtered in the year. (Table –10).

The number of broiler chicken slaughtered in the year was 51.04 crores. It is the highest compared to other birds. The next highest is hen which is 59.92 lakhs. (Table– 8).

About 50 % of the animals slaughtered were procured locally. In the case of buffalos alone 45.36% was procured locally. (Table –10). In the case of hen and broiler 40.86% and 32.88% respectively were procured locally.

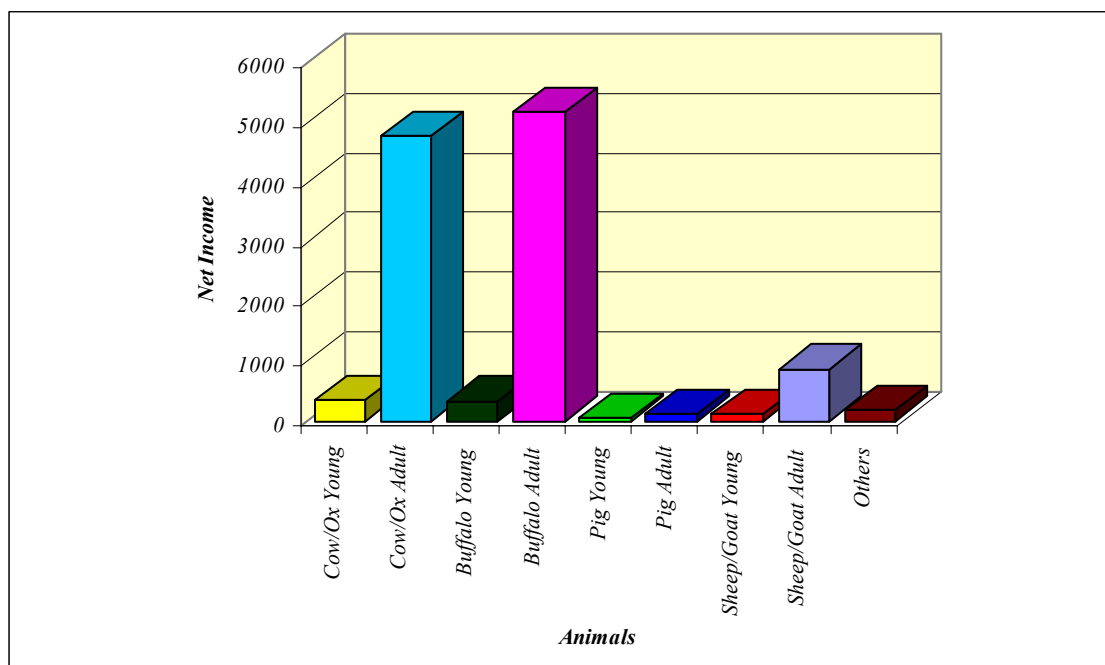
Even though the number of registered slaughter houses are less, the number of animals and birds slaughtered in registered poultry stalls and slaughter houses is rather high. The percentage of animals/birds slaughtered in registered slaughter houses and unregistered houses are shown in Table 11 and 12

District wise number of animals slaughtered, the number slaughtered in registered slaughter houses, the number slaughtered in unregistered slaughter houses etc are given in Table 13, 14 and 15.

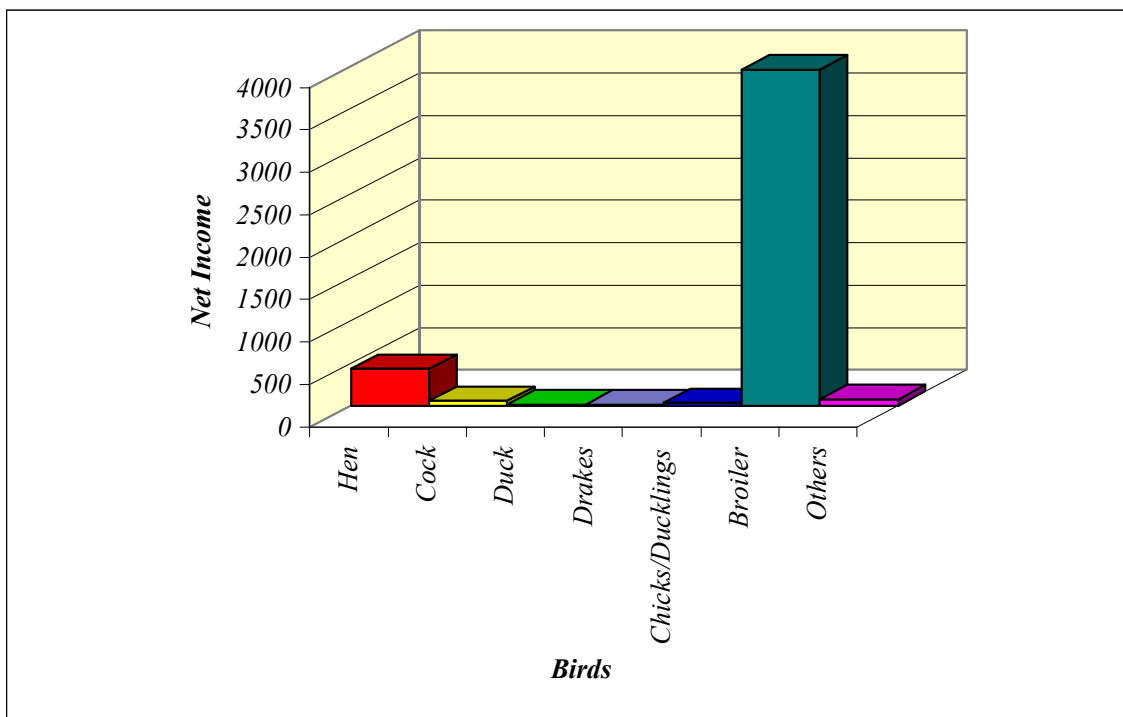
District wise details of birds slaughtered are given in Tables (Tables16, 17, 18).

Organ wise weight of animals slaughtered of average size is given in Table 19 and 20 and price in Tables 20,21 and 23 .

Net income from animals (annual) Rupees in lakhs



Net income from birds (annual) Rupees in lakhs



A total of 179584 lakhs was spent as cost of animals and birds. Out of which 165568 lakhs as price of animals/birds, 8490 lakhs as labour charges and 5525 lakhs as other expenditure like rent, water and transportation. The income received is 196135 lakhs and net income is 16550 lakhs, i.e., 8.57 % .

CONCLUSION

The collection from the registered slaughterhouses and poultry stalls did not pose much problems. But the same from the unregistered slaughterhouses was rather difficult. The slaughtering activities in the unregistered sector were an illegal activity. So the persons engaged in these activities were reluctant to disclose the details. However, the enumerators cleverly gathered the required details from other people, who are some how associated with the slaughterhouse people, besides from the persons conducting the activities. The data collection from the poultry stalls did not have much problems. In Kerala, the slaughterhouse persons are not bothered about all organs (other than meat, hide, skin and bones). Blood, hoof, gut of ox/cows/buffaloes/pigs are not generally used. These items are abandoned at the slaughter places itself in most cases. But in the case of sheep/goat, gut is used.

As explained in the report, about 50% of the animals and birds are brought to the state from the neighbouring states especially from Tamil Nadu. It may be noted that only very negligible number of animals are going to other states from this state. The number of outgoing animals or birds may be less than 1% of the total animal/poultry population of Kerala.

TABLE - 1**District Wise Number Of Poultry Stalls And Slaughterhouses**

Sl. No.	District	Poultry Stalls		Slaughterhouse	
		Registered	Unregistered	Registered	Unregistered
1	Kasaragod	72	226	25	35
2	Kannur	224	349	57	197
3	Wayanad	87	98	88	83
4	Kozhikkode	334	281	223	141
5	Malappuram	173	594	139	496
6	Palakkad	111	475	109	297
7	Thrissur	333	447	152	349
8	Eranakulam	47	673	46	624
9	Idukki	88	133	84	184
10	Kottayam	195	229	112	323
11	Alappuzha	151	211	136	156
12	Pathanamthitta	82	168	73	102
13	Kollam	98	241	122	193
14	Thiruvananthapuram	129	240	124	234
Total		2124	4365	1490	3414

TABLE – 2**Number Of Units Registered And Percentage Of Registration**

Sl. No.	District	Poultry Stalls			Slaughterhouse		
		Total	Registered	Percentage of Registration	Total	Registered	Percentage of Registration
1	Kasaragod	298	72	24.16	60	25	41.67
2	Kannur	573	224	39.09	254	57	22.44
3	Wayanad	185	87	47.03	171	88	51.46
4	Kozhikkode	615	334	54.31	364	223	61.26
5	Malappuram	767	173	22.56	635	139	21.89
6	Palakkad	586	111	18.94	406	109	26.85
7	Thrissur	780	333	42.69	501	152	30.34
8	Eranakulam	720	47	6.53	670	46	6.87
9	Idukki	221	88	39.82	268	84	31.34
10	Kottayam	424	195	45.99	435	112	25.75
11	Alappuzha	362	151	41.71	292	136	46.58
12	Pathanamthitta	250	82	32.8	175	73	41.71
13	Kollam	339	98	28.91	315	122	38.73
14	Thiruvananthapuram	369	129	34.96	358	124	34.64
Total		6489	2124	32.73	4904	1490	30.38

TABLE – 3

District Wise Number Of Registered Poultry Stalls And Percentage Of Registration

BLOCK/MUNICIPALITY/MUNICIPAL CORPORATIONWISE

Sl. No.	District	Corporation				Municipality				Block			
		Total	Registered	Unregistered	Percentage of Registration	Total	Registered	Unregistered	Percentage of Registration	Total	Registered	Unregistered	Percentage of Registration
1	Kasaragod	0	0	0	0	37	27	10	72.97	261	45	216	17.24
2	Kannur	0	0	0	0	109	62	47	56.88	464	162	302	34.91
3	Wayanad	0	0	0	0	7	7	0	100	178	80	98	44.94
4	Kozhikkode	83	79	4	95.18	30	21	9	70	502	234	268	46.61
5	Malappuram	0	0	0	0	101	51	50	50.5	666	122	544	18.32
6	Palakkad	0	0	0	0	63	39	24	61.9	523	72	451	13.77
7	Thrissur	46	46	0	100	64	20	44	31.25	670	267	403	39.85
8	Eranakulam	87	28	59	32.18	86	19	67	22.09	547	0	547	0
9	Idukki	0	0	0	0	2	2	0	100	219	86	133	39.27
10	Kottayam	0	0	0	0	49	38	11	77.55	375	157	218	41.87
11	Alappuzha	0	0	0	0	58	46	12	79.31	304	105	199	34.54
12	Pathanamthitta	0	0	0	0	35	29	6	82.86	215	53	162	24.65
13	Kollam	20	10	10	50	15	8	7	53.33	304	80	224	26.32
14	Thiruvananthapuram	47	46	1	97.87	34	25	9	73.53	288	58	230	20.14
Total		283	209	74	73.85	690	394	296	57.1	5516	1521	3995	27.57

TABLE –4**District Wise Number Of Registered Slaughter Houses And Percentage Of Registration****BLOCKS/MUNICIPALITY/MUNICIPAL CORPORATIONWISE**

Sl. No.	District	Corporation				Municipality				Block			
		Total	Registered	UnRegistered	Percentage	Total	Registered	UnRegistered	Percentage	Total	Registered	UnRegistered	Percentage
1	Kasaragod	0	0	0	0	16	12	4	75	44	13	31	29.55
2	Kannur	0	0	0	0	62	17	45	27.42	192	40	152	20.83
3	Wayanad	0	0	0	0	6	6	0	100	165	82	83	49.7
4	Kozhikkode	54	51	3	94.44	17	11	6	64.71	293	161	132	54.95
5	Malappuram	0	0	0	0	74	39	35	52.7	561	100	461	17.83
6	Palakkad	0	0	0	0	52	25	27	48.08	354	84	270	23.73
7	Thrissur	14	8	6	57.14	30	24	6	80	457	120	337	26.26
8	Eranakulam	27	18	9	66.67	73	26	47	35.62	570	2	568	0.35
9	Idukki	0	0	0	0	11	11	0	100	257	73	184	28.4
10	Kottayam	0	0	0	0	23	11	12	47.83	412	101	311	24.51
11	Alappuzha	0	0	0	0	52	39	13	75	240	97	143	40.42
12	Pathanamthitta	0	0	0	0	29	14	15	48.28	146	59	87	40.41
13	Kollam	26	11	15	42.31	10	5	5	50	279	106	173	37.99
14	Thiruvananthapuram	67	59	8	88.06	36	30	6	83.33	255	35	220	13.73
Total		188	147	41	78.19	491	270	221	54.99	4225	1073	3152	25.4

TABLE – 5**District Wise Number Of Poultry Stalls And Slaughter Houses According To The Nature Of Operation**

Sl. No.	District	Poultry Stalls				Slaughterhouse			
		Registered		Unregistered		Registered		Unregistered	
		Permanent	Temporary	Permanent	Temporary	Permanent	Temporary	Permanent	Temporary
1	Kasaragod	44	1	58	9	21	1	26	3
2	Kannur	124	4	85	7	32	4	66	29
3	Wayanad	37	0	34	0	35	0	32	3
4	Kozhikkode	139	0	116	2	114	0	67	17
5	Malappuram	131	0	162	8	121	2	119	38
6	Palakkad	83	2	157	7	68	4	118	6
7	Thrissur	143	4	152	32	95	10	126	48
8	Eranakulam	26	3	181	42	35	2	130	68
9	Idukki	50	0	82	1	48	1	67	10
10	Kottayam	99	9	92	7	66	4	108	26
11	Alappuzha	91	4	118	5	98	9	85	20
12	Pathanamthitta	61	3	72	18	54	2	42	22
13	Kollam	61	5	126	12	85	3	71	28
14	Thiruvananthapuram	78	2	107	4	51	4	104	13
Total		1167	37	1542	154	923	46	1161	331

TABLE –6

**Average Weight Before And After Slaughter Of Animals Of Average Size
(Kilograms)**

Name of Animals	Local Breed		High Breed		Average	
	Before Slaughter	After Slaughter	Before Slaughter	After Slaughter	Before Slaughter	After Slaughter
Cow/Ox Young	80.03	67.52	100.78	88.36	90.40	77.94
Cow/Ox Adult	134.95	126.44	145.32	140.08	140.14	133.26
Buffalo Young	87.56	79.89	94.74	86.21	91.15	83.05
Buffalo Adult	145.07	138.55	166.29	160.34	155.68	149.44
Pig Young	43.64	38.09	49.25	43.78	46.44	40.93
Pig Adult	66.37	61.02	81.53	75.93	73.95	68.48
Sheep/Goat Young	14.29	11.38	19.26	15.87	16.77	13.63
Sheep/Goat Adult	23.47	19.62	32.49	29.25	27.98	24.44
Others (Specify)	62.57	48.34	71.23	53.69	66.90	51.02

TABLE -7

**Average Income And Expenditure Of Animals Of Average Size
(Rupees)**

Name of Animals	Price Paid	Labour Charges	Others	Total	Income Received	Net Income
Cow/Ox Young	3407.75	202.17	156.00	3765.92	4088.75	322.84
Cow/Ox Adult	5313.44	282.92	162.47	5758.84	6365.14	606.30
Buffalo Young	3429.41	230.49	140.41	3800.31	4031.10	230.79
Buffalo Adult	6076.15	304.71	177.61	6558.47	7078.90	520.42
Pig Young	2721.67	154.17	76.67	2952.50	3086.00	133.50
Pig Adult	4502.78	212.35	168.10	4883.23	5160.00	276.77
Sheep/Goat Young	1385.94	124.28	70.87	1581.09	1691.20	110.11
Sheep/Goat Adult	2638.09	143.62	79.60	2861.32	3032.48	171.16
Others (Specify)	2450.81	189.29	87.54	2727.64	3154.13	426.48

TABLE -8

**Average Weight Before And After Slaughter Of Birds Of Average Size
(Kilograms)**

Name of Birds	Local Breed		High Breed		Average	
	Before Slaughter	After Slaughter	Before Slaughter	After Slaughter	Before Slaughter	After Slaughter
Hen	1.72	1.15	1.81	1.28	1.76	1.22
Cock	1.90	1.31	2.46	1.69	2.18	1.50
Duck	1.74	1.21	1.83	1.39	1.78	1.30
Drakes	2.35	1.60	2.46	1.75	2.41	1.67
Chicks/Ducklings Killed	0.22	0.15	0.77	0.53	0.49	0.34
Broiler	1.81	1.23	1.89	1.30	1.85	1.27
Others	1.46	1.02	1.64	1.07	1.55	1.04

TABLE -9

**Average Income And Expenditure Of Birds Of Average Size
(Rupees)**

Name of Birds	Price Paid	Labour Charges	Others	Total	Income Received	Net Income
Hen	54.31	2.56	1.72	58.60	65.88	7.28
Cock	76.09	2.70	2.43	81.22	90.00	8.78
Duck	86.31	2.72	2.11	91.14	100.21	9.07
Drakes	113.85	2.91	2.55	119.30	128.92	9.62
Chicks/Ducklings Killed	14.41	1.25	1.50	17.15	19.82	2.66
Broiler	60.75	2.68	2.59	66.03	73.79	7.76
Others	47.60	2.17	1.87	51.64	56.35	4.71

TABLE –10**Number Of Animals / Birds Slaughtered (Annual)**

Sl. No.	Name of Animals/Birds	Local Breed Procured from		High Breed Procured from		Total Procured from		Total	Percentage Procured from inside the State
		Outside the state	Inside the State	Outside the state	Inside the State	Outside the state	Inside the State		
1	Cow/Ox Young	26718	42957	2931	33438	29649	76395	106044	72.04
2	Cow/Ox Adult	235907	295364	141812	113699	377719	409063	786782	51.99
3	Buffalo Young	40390	66647	28457	7590	68847	74237	143084	51.88
4	Buffalo Adult	390873	403954	163194	38969	554067	442923	996990	44.43
5	Pig Young	3456	8524	3390	17270	6846	25794	32640	79.03
6	Pig Adult	8456	17065	3974	11074	12430	28139	40569	69.36
7	Sheep/Goat Young	18016	85486	4862	4481	22878	89967	112845	79.73
8	Sheep/Goat Adult	87165	397249	5944	15744	93109	412993	506102	81.6
9	Others (Specify)	280	13144	6112	23246	6392	36390	42782	85.06
10	Hen	673426	1249311	2870578	1199008	3544004	2448319	5992323	40.86
11	Cock	43010	296467	158200	160910	201210	457377	658587	69.45
12	Duck	45340	61669	8342	28422	53682	90091	143773	62.66
13	Drakes	12652	1160	45100	83794	57752	84954	142706	59.53
14	Chicks/Ducklings	18364	3586	643760	504348	662124	507934	1170058	43.41
15	Broiler	2101326	1517842	32163812	15264518	34265138	16782360	51047498	32.88
16	Others	18300	120764	1153160	306046	1171460	426810	1598270	26.7

TABLE –11

Number Of Animals / Birds Slaughtered In Registered Institutions (Annual)

Sl. No.	Name of Animals/Birds	Local Breed Procured from		High Breed Procured from		Total Procured from		Total	Percentage Slaughtered in registered
		Outside the state	Inside the State	Outside the state	Inside the State	Outside the state	Inside the State		
1	Cow/Ox Young	19438	25573	1025	24304	20463	49877	70340	66.33
2	Cow/Ox Adult	123736	144529	84686	48130	208422	192659	401081	50.97
3	Buffalo Young	18240	32999	16734	3726	34974	36725	71699	50.10
4	Buffalo Adult	190372	189612	72340	17084	262712	206696	469408	47.08
5	Pig Young	1290	4274	1106	16534	2396	20808	23204	71.09
6	Pig Adult	5210	12016	1224	6504	6434	18520	24954	61.51
7	Sheep/Goat Young	12834	54298	88	1309	12922	55607	68529	60.72
8	Sheep/Goat Adult	75690	259995	1020	10562	76710	270557	347267	68.61
9	Others (Specify)	160	7270	6064	7516	6224	14786	21010	49.10
10	Hen	587600	670171	1960972	521558	2548572	1191729	3740301	62.41
11	Cock	40062	242573	44200	109470	84262	352043	436305	66.24
12	Duck	38400	44020	7502	20802	45902	64822	110724	77.01
13	Drakes	12652	560	44300	18604	56952	19164	76116	53.33
14	Chicks/Ducklings	364	3480	360100	135940	360464	139420	499884	42.72
15	Broiler	1213626	721858	17719715	6446834	18933341	7168692	26102033	51.13
16	Others	17000	67370	895116	187446	912116	254816	1166932	73.01

TABLE –12**Number Of Animals / Birds Slaughtered In Unregistered Institutions (Annual)**

Sl. No.	Name of Animals/Birds	Local Breed Procured from		High Breed Procured from		Total Procured from		Total
		Outside the state	Inside the State	Outside the state	Inside the State	Outside the state	Inside the State	
1	Cow/Ox Young	7280	17384	1906	9134	9186	26518	35704
2	Cow/Ox Adult	112171	150835	57126	65569	169297	216404	385701
3	Buffalo Young	22150	33648	11723	3864	33873	37512	71385
4	Buffalo Adult	200501	214342	90854	21885	291355	236227	527582
5	Pig Young	2166	4250	2284	736	4450	4986	9436
6	Pig Adult	3246	5049	2750	4570	5996	9619	15615
7	Sheep/Goat Young	5182	31188	4774	3172	9956	34360	44316
8	Sheep/Goat Adult	11475	137254	4924	5182	16399	142436	158835
9	Others (Specify)	120	5874	48	15730	168	21604	21772
10	Hen	85826	579140	909606	677450	995432	1256590	2252022
11	Cock	2948	53894	114000	51440	116948	105334	222282
12	Duck	6940	17649	840	7620	7780	25269	33049
13	Drakes	0	600	800	65190	800	65790	66590
14	Chicks/Ducklings	18000	106	283660	368408	301660	368514	670174
15	Broiler	887700	795984	14444097	8817684	15331797	9613668	24945465
16	Others	1300	53394	258044	118600	259344	171994	431338

TABLE –13

Districtwise Number Of Animals And Birds Slaughtered (Annual)

Sl. No.	District	Cow		Buffalo		Pig		Sheep		Others
		Young	Adult	Young	Adult	Young	Adult	Young	Adult	
1	Kasaragod		7442	1020	28878		1806	2984	52240	
2	Kannur	6358	30526	19954	60724	472	8824	12944	14364	
3	Wayanad	484	8270	5864	24320	20	500		3736	1196
4	Kozhikkode	1548	52420	1760	70940	112	284	1098	20528	900
5	Malappuram	9734	46870	30532	137568	852	692	25904	47760	
6	Palakkad	1088	22822	12416	35954		468	15236	86216	
7	Thrissur	1052	63326	2274	97186	7568	18564	10536	49996	20260
8	Eranakulam	15750	103998	7410	232998	630	5739	13395	101406	288
9	Idukki	300	3764	2984	33566		70	3820	5020	1188
10	Kottayam	15184	7924	1564	61850	16750	1800	6530	18812	
11	Alappuzha	23716	138478	17836	105726	2626	1026	5494	21744	5966
12	Pathanamthitta	10494	57288	9944	23558	1178		2032	26348	12132
13	Kollam	10178	152918	5470	59990	312		6398	27324	96
14	Thiruvananthapuram	10158	90736	24056	23732	2120	796	6474	30608	756
Total		106044	786782	143084	996990	32640	40569	112845	506102	42782

TABLE –14**Districtwise Number Of Animals Slaughtered In Registered Institutions (Annual)**

Sl. No.	District	Cow		Buffalo		Pig		Sheep		Others
		Young	Adult	Young	Adult	Young	Adult	Young	Adult	
1	Kasaragod		2180	60	16004		450		44242	
2	Kannur	3208	12590	11830	22374	60	4184	9750	6120	
3	Wayanad	84	3574	4712	10978		80		3736	496
4	Kozhikkode	1074	29434	640	33928			490	17150	900
5	Malappuram	5724	32962	19342	84062	236	382	16750	26384	
6	Palakkad	4680	6256	14322			48	9522	48376	
7	Thrissur	156	49198	506	52362	3900	16888	750	43990	17900
8	Eranakulam	15570	49773	5745	112266		360	12345	86907	
9	Idukki	1200	624	17466	3600	3730				
10	Kottayam	14490	1760	29440	16340	1270	6040	12140		
11	Alappuzha	15710	92560	8338	37230	1472	892	4194	13680	918
12	Pathanamthitta	3872	20994	2836	8862	496		80	13780	40
13	Kollam	4800	72850	1374	24034			3010	14162	
14	Thiruvananthapuram	5652	27326	9436	6080	700	400	1998	12870	756
Total		70340	401081	71699	469408	23204	24954	68529	347267	21010

TABLE –15**Districtwise Number Of Animals Slaughtered In Unregistered Institutions (Annual)**

Sl. No.	District	Cow		Buffalo		Pig		Sheep		Others
		Young	Adult	Young	Adult	Young	Adult	Young	Adult	Others
1	Kasaragod		5262	960	12874	1356		2984	7998	
2	Kannur	3150	17936	8124	38350	412	4640	3194	8244	
3	Wayanad	400	4696	1152	13342	20	420			700
4	Kozhikkode	474	22986	1120	37012	112	284	608	3378	
5	Malappuram	4010	13908	11190	53506	616	310	9154	21376	
6	Palakkad	1088	18142	6160	21632		420	5714	37840	
7	Thrissur	896	14128	1768	44824	3668	1676	9786	6006	2360
8	Eranakulam	180	54225	1665	120732	630	5379	1050	14499	288
9	Idukki	300	2564	2360	16100		70	220	1290	1188
10	Kottayam	694	6164	1564	32410	410	530	490	6672	
11	Alappuzha	8006	45918	9498	68496	1154	134	1300	8064	5048
12	Pathanamthitta	6622	36294	7108	14696	682		1952	12568	12092
13	Kollam	5378	80068	4096	35956	312		3388	13162	96
14	Thiruvananthapuram	4506	63410	14620	17652	1420	396	4476	17738	
Total		35704	385701	71385	527582	9436	15615	44316	158835	21772

TABLE –16**Districtwise Number Of Birds Slaughtered (Annual)**

Sl. No.	District	Hen	Cock	Duck	Drakes	Chicks	Broiler	Others
1	Kasaragod	48200				109000	2139462	19340
2	Kannur	14540	104850	13440		89480	2133472	122224
3	Wayanad	286	626	90			1318564	66100
4	Kozhikkode	618758	41166		13200	453364	3711810	323072
5	Malappuram	3198972	38122		30060	10054	5823876	642584
6	Palakkad	39368	43678			41140	8487280	
7	Thrissur	726684	62044	43200		60	4420442	105000
8	Eranakulam	388893	103125	17055		313926	5474580	104250
9	Idukki	440					2224976	94400
10	Kottayam	4340	9140	25884			2461490	39040
11	Alappuzha	719968	16224	27364	98846	29350	2975126	38196
12	Pathanamthitta	142384	145338	15240			1707726	25764
13	Kollam	53740	7430	1200	600	7484	3924698	9600
14	Thiruvananthapuram	35750	86844	300		116200	4243996	8700
Total		5992323	658587	143773	142706	1170058	51047498	1598270

TABLE –17
Districtwise Number Of Birds Slaughtered In Registered Institutions

Sl. No.	District	Hen	Cock	Duck	Drakes	Chicks	Broiler	Others
1	Kasaragod	12400				86000	1378104	
2	Kannur	720	104270	12000		89480	1119126	90414
3	Wayanad	230	400	40			1045192	51800
4	Kozhikkode	396764	22948		12400	304860	2612564	228352
5	Malappuram	2478184	33012		30060		3023614	549270
6	Palakkad	19914	22742			12000	3885382	
7	Thrissur	474254	40144	43200		60	2121100	92600
8	Eranakulam	13905	12963	2400			1344939	
9	Idukki						1439250	55400
10	Kottayam	4340	8190	18940			1111570	38200
11	Alappuzha	266640	8000	19904	33656		1664248	32996
12	Pathanamthitta	28200	145206	14240			1079908	19200
13	Kollam	26290	2650			7484	1500492	
14	Thiruvananthapuram	18460	35780				2776544	8700
Total		3740301	436305	110724	76116	499884	26102033	1166932

TABLE –18**Districtwise Number Of Birds Slaughtered In Unregistered Institutions**

Sl. No.	District	Hen	Cock	Duck	Drakes	Chicks	Broiler	Others
1	Kasaragod	35800				23000	761358	19340
2	Kannur	13820	580	1440		1014346	31810	
3	Wayanad	56	226	50			273372	14300
4	Kozhikkode	221994	18218		800	148504	1099246	94720
5	Malappuram	720788	5110			10054	2800262	93314
6	Palakkad	19454	20936			29140	4601898	
7	Thrissur	252430	21900				2299342	12400
8	Eranakulam	374988	90162	14655		313926	4129641	104250
9	Idukki	440					785726	39000
10	Kottayam	950	6944				1349920	840
11	Alappuzha	453328	8224	7460	65190	29350	1310878	5200
12	Pathanamthitta	114184	132	1000			627818	6564
13	Kollam	27450	4780	1200	600		2424206	9600
14	Thiruvananthapuram	17290	51064	300		116200	1467452	
Total		2252022	222282	33049	66590	670174	24945465	431338

TABLE –19
Organ Wise Weight Of Animals Of Average Size

(Kilograms)

Sl. No.	Animals	Cow/Ox		Buffalo		Sheep/Goat		Pig	
		Young	Adult	Young	Adult	Young	Adult	Young	Adult
1	Meat including heart and kidney	46.01	74.39	47.86	79.72	6.56	12.81	28.19	46.64
2	Bone only	8.69	16.6	9.46	17.64	1.61	2.51	2.08	2.69
3	Brain/Liver	1.82	2.71	1.8	3.24	0.54	1.05	1.18	1.76
4	Head without Brain	2.75	4.96	2.82	5.27	1.06	1.21	1.9	2.83
5	Legs	5.24	7.87	2.78	5.61	0.77	0.91	0.67	1.33
6	Edible fats	3.02	6.36	3.41	6.93	0.74	1.45	1.62	3.26
7	Skin/Hides	7.37	14.29	9.21	16.73	1.61	2.18	1.18	3.71
8	Hoofs	0.76	1.34	1.07	1.66	0.36	0.66	0.41	1.21
9	Horns	0.8	1.4	1.23	2.07	0.43	0.78	0.4	0.96
10	Guts	2.41	4.09	3.54	6.73	0.76	1.07	1.75	3.02
11	Tail Stump	0.71	0.97	0.74	1.2	0.19	0.32	0.22	1.04
12	Blood	2.33	3.79	2.99	5.93	0.72	1.18	1.98	3.19
13	Others	3.41	6.66	3.82	6.7	0.94	1.14	2.75	3.55
Total		85.32	145.43	90.73	159.43	16.29	27.27	44.33	75.19

TABLE –20
Price / Kg Of Organs Of Animals Of Average Size

(Rupees)

Sl. No.	Animals	Price / Kg			
		Cow/Ox	Buffalo	Sheep/Goat	Pig
1	Meat including Heart and kidney	73.66	73.78	161.03	87.56
2	Bone only	7.23	6.56	94.53	32.21
3	Brain/Liver	67.37	63.91	132.99	76.38
4	Head without Brain	13.34	13.25	75.13	42.70
5	Legs	9.82	10.07	63.24	34.48
6	Edible fats	22.11	18.91	93.66	53.83
7	Skin/Hides	30.71	21.70	64.95	37.44
8	Hoofs	4.17	4.71	15.75	4.50
9	Horns	4.85	7.09	13.39	2.50
10	Guts	15.89	19.90	52.67	36.25
11	Tail Stump	23.31	21.93	94.88	47.19
12	Blood	12.60	10.72	41.61	50.00
13	Others	15.17	12.50	35.32	32.00

TABLE –21**Price Of Organs Of Animals Of Average Size****(Rupees)**

Sl. No.	Animals	Cow/Ox		Buffalo		Sheep/Goat		Pig	
		Young	Adult	Young	Adult	Young	Adult	Young	Adult
1	Meat including Heart & Kidney	3389.01	5479.43	3530.9	5881.39	1056.33	2062.74	2468.44	4084
2	Bone only	62.8	119.95	62.08	115.76	152.2	237.28	67.01	86.66
3	Brain/Liver	122.62	182.58	115.04	207.07	71.81	139.63	90.12	134.42
4	Head without Brain	36.69	66.17	37.38	69.85	79.64	90.91	81.13	120.84
5	Legs	51.44	77.26	27.99	56.49	48.70	57.55	23.10	45.86
6	Edible fats	66.79	140.65	64.47	131.02	69.31	135.81	87.2	175.49
7	Skin/Hides	226.34	438.87	199.88	363.08	104.56	141.58	44.18	138.92
8	Hoofs	3.17	5.58	5.04	7.82	5.67	10.39	1.84	5.44
9	Horns	3.88	6.79	8.73	14.68	5.76	10.44	1	2.4
10	Guts	38.3	65.01	70.45	133.93	40.03	56.35	63.44	109.48
11	Tail Stump	16.55	22.61	16.23	26.32	18.03	30.36	10.38	49.08
12	Blood	29.35	47.74	32.04	63.54	29.96	49.1	99	159.5
13	Others	51.74	101.05	47.74	83.73	33.2	40.27	88	113.6
Total		4098.68	6753.69	4217.97	7154.68	1715.20	3062.41	3124.84	5225.69

TABLE –22

Total Weight Of Organs Of Animals (Annual)

(KILOGRAMS)

Sl. No.	Animals	Cow/Ox		Buffalo		Sheep/Goat		Pig	
		Young	Adult	Young	Adult	Young	Adult	Young	Adult
1	Meat including Heart and Kidney	4879084	58528713	6848000	79480043	740263	6483167	920122	1892138
2	Bone only	921522	13060581	1353575	17586904	181680	1270316	67891	109131
3	Brain/Liver	193000	2132179	257551	3230248	60936	531407	38515	71401
4	Head without Brain	291621	3902439	403497	5254137	119616	612383	62016	114810
5	Legs	555671	6191974	397774	5593114	86891	460553	21869	53957
6	Edible fats	320253	5003934	487916	6909141	83505	733848	52877	132255
7	Skin/Hides	781544	11243115	1317804	16679643	181680	1103302	38515	150511
8	Hoofs	80593	1054288	153100	1655003	40624	334027	13382	49088
9	Horns	84835	1101495	175993	2063769	48523	394760	13056	38946
10	Guts	255566	3217938	506517	6709743	85762	541529	57120	122518
11	Tail Stump	75291	763179	105882	1196388	21441	161953	7181	42192
12	Blood	247083	2981904	427821	5912151	81248	597200	64627	129415
13	Others	361610	5239968	546581	6679833	106074	576956	89760	144020
Total		9047673	114421707	12982011	158950117	1838243	13801401	1446931	3050382

TABLE –23

Total Value From Organs Of Animals (Annual)

(Rupees)

Sl. No.	Animals	Cow/Ox		Buffalo		Sheep/Goat		Pig	
		Young	Adult	Young	Adult	Young	Adult	Young	Adult
1	Meat including Heart and Kidney	359384176	4311116894	505215296	5863687016	119201559	1043956839	80569882	165683796
2	Bone only	6659563	94374501	8882655	115411562	17175009	120087883	2187206	3515710
3	Brain/Liver	13003115	143650658	16460383	206446719	8103399	70667022	2941517	5453285
4	Head without Brain	3890754	52061365	5348480	69639752	8986976	46009733	2648083	4902358
5	Legs	5454903	60786777	4004921	56319965	5495552	29126170	753984	1860494
6	Edible fats	7082679	110660888	9224625	130625630	7821287	68733713	2846208	7119454
7	Skin/Hides	24001999	345295016	28599630	361987129	11799073	71653921	1442035	5635845
8	Hoofs	336159	4390244	721143	7796462	639831	5258400	60058	220695
9	Horns	411451	5342250	1249123	14635813	649987	5283705	32640	97366
10	Guts	4061485	51148698	10080268	133526871	4517185	28518848	2070682	4441494
11	Tail Stump	1755028	17789141	2322253	26240777	2034595	15365257	338803	1991127
12	Blood	3112391	37560973	4584411	63348745	3380836	24849608	3231360	6470756
13	Others	5486717	79504321	6830830	83477973	3746454	20380728	2872320	4608638
Total		434640420	5313681726	603524018	7133144414	193551743	1549891827	101994778	212001018

TABLE –24**Total Expenditure And Income (Annual)****(Rupees)**

Sl. No.	Animals	Expenditure				Income		
		Price of Animals & Birds	Labour Charge	Other Charges	Total	Income	Net Income	Percentage
1	Cow/Ox Young	361371441	21438517	16542864	399352822	433587665	34234843	8.57
2	Cow/Ox Adult	4180522729	222593201	127832228	4530948158	5007975842	477027684	10.53
3	Buffalo Young	490693538	32979069	20090811	543763418	576785349	33021931	6.07
4	Buffalo Adult	6057862191	303791075	177078629	6538731895	7057587720	518855825	7.94
5	Pig Young	88835200	5032000	2502400	96369600	100727040	4357440	4.52
6	Pig Adult	182673192	8614803	6819700	198107695	209336040	11228345	5.67
7	Sheep/Goat Young	156396117	14024869	7996997	178417983	190843565	12425582	6.96
8	Sheep/Goat Adult	1335144700	72687122	40286334	1448118156	1534745032	86626876	5.98
9	Others (Specify)	104850660	8098381	3744953	116693994	134939776	18245782	15.64
10	Hen	325448510	15358300	10332239	351139049	394767388	43628339	12.42
11	Cock	50111298	1777059	1603537	53491894	59272830	5780936	10.81
12	Duck	12409407	390768	303521	13103696	14407253	1303557	9.95
13	Drakes	16246529	415145	363252	17024926	18398097	1373171	8.07
14	Chicks/Ducklings Killed	16859472	1462572	1750212	20072256	23188422	3116166	15.52
15	Broiler	3101336899	136902650	132366372	3370605921	3766915099	396309178	11.76
16	Others	76072986	3474500	2981388	82528874	90054931	7526057	9.12
Total		16556834869	849040031.00	552595437	17958470337	19613532049	1655061712	8.57

TABLE -25**Total Expenditure And Income Of Registered Units (Annual)****(Rupees)**

Sl. No.	Animals	Expenditure				Income	
		Price of Animals & Birds	Labour Charge	Other Charges	Total	Income	Net Income
1	Cow/Ox Young	239701135	14220374	10973040	264894549	287602847	22708298
2	Cow/Ox Adult	2131121755	113472224	65165545	2309759524	2552935831	243176307
3	Buffalo Young	245885186	16525721	10067450	272478357	289025556	16547199
4	Buffalo Adult	2852194079	143032489	83373078	3078599646	3322890035	244290389
5	Pig Young	63153553	3577283	1778973	68509809	71607544	3097735
6	Pig Adult	112362317	5298967	4194799	121856083	128762640	6906557
7	Sheep/Goat Young	94976911	8517083	4856451	108350445	115896306	7545861
8	Sheep/Goat Adult	916123023	49875003	27642875	993640901	1053080808	59439907
9	Others (Specify)	51491571	3977069	1839125	57307765	66268166	8960401
10	Hen	203139148	9586377	6449199	219174724	246406753	27232029
11	Cock	33198059	1177277	1062322	35437658	39267450	3829792
12	Duck	9556865	300942	233751	10091558	11095468	1003910
13	Drakes	8665514	221428	193750	9080692	9813109	732417
14	Chicks/Ducklings Killed	7202874	624855	747743	8575472	9906792	1331320
15	Broiler	1585801484	70002206	67682679	1723486369	1926130488	202644119
16	Others	55542556	2536809	2176777	60256142	65751082	5494940
Total		8610116030	442946107	288437557	9341499694	10196440875	854941181

TABLE -26**Total Expenditure And Income Of Unregistered Units (Annual)****(Rupees)**

Sl. No.	Animals	Expenditure				Income	
		Price of Animals & Birds	Labour Charge	Other Charges	Total	Income	Net Income
1	Cow/Ox Young	121670306	7218144	5569824	134458274	145984818	11526544
2	Cow/Ox Adult	2049400974	109120976	62666683	2221188633	2455040012	233851379
3	Buffalo Young	244808352	16453348	10023360	271285060	287759792	16474732
4	Buffalo Adult	3205668111	160758586	93705551	3460132248	3734697684	274565436
5	Pig Young	25681647	1454717	723427	27859791	29119496	1259705
6	Pig Adult	70310875	3315836	2624901	76251612	80573400	4321788
7	Sheep/Goat Young	61419206	5507786	3140546	70067538	74947259	4879721
8	Sheep/Goat Adult	419021676	22812119	12643459	454477254	481664224	27186970
9	Others (Specify)	53359090	4121312	1905828	59386230	68671610	9285380
10	Hen	122309362	5771923	3883040	131964325	148360634	16396309
11	Cock	16913239	599781	541216	18054236	20005380	1951144
12	Duck	2852542	89825	69770	3012137	3311785	299648
13	Drakes	7581015	193716	169502	7944233	8584988	640755
14	Chicks/Ducklings Killed	9656598	837718	1002469	11496785	13281630	1784845
15	Broiler	1515535415	66900444	64683693	1647119552	1840784611	193665059
16	Others	20530429	937691	804611	22272731	24303850	2031119
Total		7946718837	406093922	264157880	8616970639	9417091173	800120534