



དཔལ་ལྷན་འབྲུག་གཞུང་།

ཚོང་ཁག་བདག་སྐྱོང་མ་ལོ།

ཟིན་སྒྲུབ་ཚོང་མ་ལོ།

**Annual Progress Report 2018-2019**

**Livestock Sector**

**Paro Dzongkhag**



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***Sr. LPO***

***17601739***

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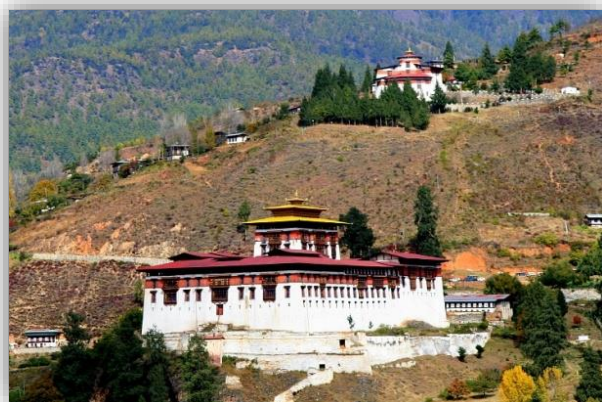
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## Annual Progress Report 2018-2019 Livestock Sector Paro Dzongkhag



### 1. Brief Background

Paro Dzongkhag has 10 geogs with 50 chewogs and 178 villages. It has the population of 46316 with a poverty rate of about 4.7%. Nearly 70% of the population lives in the rural areas and their livelihood depends on agricultural farming. Livestock rearing is an integral part of farming and almost all the households own livestock for

milk, egg, meat, manure and draught power.

### 2. Objectives

- ✓ To keep records for future references and planning
- ✓ To acknowledge efforts made by each staff

Table 1. Existing Infrastructure

DVH/Livestock Sector	Total AI Centers Nos	RNR-EC Nos	Milk Processing Unit(MPU)Nos	Milk Collection Centers(MCC) Nos
1	9	10	2	5

Table 2. Livestock Priority Farming Areas Identification

Type	Area
Dairy	All geogs
Poultry	All geogs
Piggery	Naja, Doteng, Luni, Shaba, Shari and Lamgong
Fishery	DopShari and Naja
Apiculture	Naja and Dogar
Yak	Tsento and Doteng

Paro is considered as one of the developed district in the country and it has beautiful land shapes with adequate water sources for growing crops and fodder. And with high population living in the district, there is not much problems in marketing any produce from the farmers field. With the availability of credit facilities and banks, nowadays many youths are coming forward to come up with livestock projects. Among the projects, many were interested to establish poultry

because it has short gestation period and they can earn good income in short span of time. However, we have already identified the potential areas for establishment of any livestock projects.

**Table 3. Staff Information**

Sl. No	Name	EID	ID No	Designation	Location	Contact No	Email
1	Loden Jimba	9608065	11901001130	DLO	DVH	17658725	<a href="mailto:ljimba@paro.gov.bt">ljimba@paro.gov.bt</a>
2	Thinley Dorji	2008124	10607001067	ADLO	DVH	17736324	<a href="mailto:tdorji@paro.gov.bt">tdorji@paro.gov.bt</a>
3	Sonam Rinchen	200507111	11705000482	ES	Tsento	17774312	<a href="mailto:Sonamrinchen369@yahoo.com">Sonamrinchen369@yahoo.com</a>
4	Phub Tshering	200507104	10807002654	Sr. ES III	Tsento	17657711	<a href="mailto:phubonly@gmail.com">phubonly@gmail.com</a>
5	Rinchen Dhendup	200507106	11511001335	Sr.ES III	Lamgong	17691004	<a href="mailto:lamgonglivestock@gmail.com">lamgonglivestock@gmail.com</a>
6	Ugyen Phuentsho	200507114	11606003437	Sr.ES III	Doteng	17733425	<a href="mailto:ugyenyangtsee@gmail.com">ugyenyangtsee@gmail.com</a>
7	Cheten Gyeltshen	8604124	11505003445	LPS I	DVH	17645698	<a href="mailto:chetenlps@gmail.com">chetenlps@gmail.com</a>
8	Thinley Jamtsho	200407217	11514004612	Sr. ESIII	Lungnyi	17757738	<a href="mailto:jamtsho5@gmail.com">jamtsho5@gmail.com</a>
9	Ugyen Rinzin	9107105	12002000593	LHS III	Dokar	17639297	<a href="mailto:ugyenrizin2014@gmail.com">ugyenrizin2014@gmail.com</a>
10	Kinley Dorji	9908041	10709003844	Sr.ES III	Dop Shari	17953276	<a href="mailto:mckinleydorji76@gmail.com">mckinleydorji76@gmail.com</a>
11	L B Raika	8604121	11303001909	LHS II	Naja	17910452	<a href="mailto:lalbdrraka@gmail.com">lalbdrraka@gmail.com</a>
12	Dr Tenzin Wangchuk		11605001205	VO	DVH	17634769	<a href="mailto:Tenwang0648117@gmail.com">Tenwang0648117@gmail.com</a>
13	Tenzin Tshomo	201107212	1100100300	ES I	DVH	17855466	<a href="mailto:tannytshomo@yahoo.com">tannytshomo@yahoo.com</a>
14	Nim Dem	200507128	108100909	Sr. ES III	Hungrel	17606590	<a href="mailto:demnimm@gmail.com">demnimm@gmail.com</a>
15	B.B Gurung	2112016	11204001674	LT	DVH	77642861	<a href="mailto:bktgurung@yahoo.com">bktgurung@yahoo.com</a>
16	Tashi Gyeltshen	9801104	11410000698	Sr ES	Shaba	77679339	<a href="mailto:tgeltshen@paro.gov.bt">tgeltshen@paro.gov.bt</a>
17	Kuenzang Choden	200507126	10811002474	Sr ES	Wangchang	17658049	<a href="mailto:kinscho@yahoo.com">kinscho@yahoo.com</a>
18	Shabir Tamang	200507133	11503003014	Sr. ES	Shaba	17749039	<a href="mailto:jigtentamang80@gmail.com">jigtentamang80@gmail.com</a>
19	Tsheten Dorji	9808093	11503003014	Sr ES	Naja	17886801	<a href="mailto:ridupyeshi2012@gmail.com">ridupyeshi2012@gmail.com</a>
20	Tenzin Wangmo			ESP	DVH	17886801	
21	Kinley Rinchen	9908042	11003000545	LPO	DVH	17601739	<a href="mailto:krinchen@paro.gov.bt">krinchen@paro.gov.bt</a>

**Table 4.Groups and Cooperatives**

SL. No	Geog	Village	Group Name	Mem	Status	Chairman	No
1	DopShari	Shari, Juka, Kempa and Jangsa	Shari Lothun Omgi Deytshen	63	active	Ugyen	17664193
2	Dopshari	Damcheyna and jishigang	Damcheyna Phuensum Omgi deytshen	27	active	Chenda Dorji	17421278
3	Doteng	Chuba, jabji, Luchu, Pasojuka,	Doteng Amsu Chithuen Omgi Deytshen	41	active	Chimi Lhamo	77745429
4	Tshento	5 chewogs	Tshento Amsu Nyamro Banor Omgi Deytshen	33	active	Rinzin	77665458
5	Lamgong	5 chewogs	Lamgong Norlha Omgi Deytshen	24	active	Ratu	77618825
6	Lungnyi	one chewog	Nemjo Lamtoen Omgi deytshen	13	active	Tshering	17710459
7	Lungnyi	3 chewogs	Lungnyi Kuenchab Omgi deytshen	21	active	Kinley Om	17836952
8	Wangchang	3 chewogs	Wangchang Omphenden Deytshen	10	NA	Sangay Om	77665217
9	Shaba	3 chewogs	Shaba Phunsum Omgi Deytshen	46	active	Sonam Tshering	17604436
10	Heyphu	1 chewog	Heyphu Omgi Deytshen	19	active	Chencho Gyelpo	17644535
11	Dogar	5 chewogs	Dogar Chi Thuen omgi deytshen	29	NA	Pem Tshering	17705756
12	Naja	2 chewogs	Jangchubling Omgi Deytshen	24	NA	Rinchen	77441169
13	Naja	2chewog	Tsheygoen omgi deytshen	22	NA	Phub Tshering	17690522
14	Tshento	one chewog	Soi Yaksa Dang Nubri Lanor Gongphel Deytshen	46	NA	Tobgay	17679969
15	<b>Taktsang</b>		Tsento Geog Taktsang Zhentag Nyamlay Tshogdey	<b>31</b>	Active	Phuntsho	17622107
				<b>449</b>			

In 2019-2020 all the groups will be upgraded to cooperatives as we have already reviewed all the bylaws and documents were made ready for registration.

### 3. Achievement and Progress made in 2018-2019

Year 2018-2019 was a most successful year for the Livestock Sector and many changes were made in the fields of production, health and administrative sides which are further classified as follows.

- ✓ Cubicles were installed in the general room
- ✓ Installation of additional syntax
- ✓ Purchase of new office tables, chairs, safe, carpets and table cloths
- ✓ Purchase of laptops and other stationeries
- ✓ Purchases and distribution of dairy equipments

With these entire value added environment, we could work more with dedication and interest because we have the facilities to move forward.

Table 5 Cattle Population Trend in the 11FYP under Paro Dzongkhag (Data source from Livestock statistics and Dzongkhag Record)

Type	2013	2014	2015	2016	2017	2018
Cattle	13052	13789	12246	13111	14119	13315
Mithun	7	5	28	6	5	6
Yak	2632	2690	3360	3186	3332	3713
Equine	1293	1039	1408	1653	1757	1465
Pig	510	339	568	298	490	478
Poultry	24669	16972	26657	23597	24369	30154
Sheep	12	2	10	13	10	15
Goat	118	125	662	46	51	36
Cat	1429	1843	1766	1773	1740	1573
Dog	1895	2217	1798	2768	2341	2399

Table 6.Livestock Production Trend in 11th FYP under Paro Dzongkhag (Data source from Livestock statistics and Dzongkhag Record)

Type	2013	2014	2015	2016	2017	2018
Milk(MT)	2072.40	1829.18	1930.83	2455.92	3288.12	3091.82
Butter(MT)	64.69	48.48	87.48	94.75	112.65	104.65
Cheese(MT)	109.67	85.72	312.76	141.62	177.80	161.81



Chugo(MT)	5.90	3.72	6.31	6.51	7.47	8.41
Pork(MT)	18.67	9.92	22.71	24.95	52.49	34.39
Beef(MT)	25.62	8.03	6.80	4.50	4.72	7.25
Yak(MT)	17.00	11.20	8.45	3.75	4.80	19.50
Chicken(MT)	0.83	0	0.21	0.16	0.44	0
Eggs(DZ)	326587.92	202416.33	328438.67	380701.58	422561.08	484500.17

**Table 7.Milk production Geog wise in percentage 2018-2019**

<b>Geog</b>	<b>MT</b>	<b>%</b>
Dokar	534.12	17.28
Dopshar-ri	632.199	20.45
Doteng	125.71	4.07
Hoongrel	46.22	1.49
Lamgong	362.126	11.71
Loong-nyi	314.07	10.16
Nagya	278.1	8.99
Sharpa	293.048	9.48
Ttsento	20.43	0.66
Wangchang	485.795	15.71
	<b>3091.818</b>	<b>100.00</b>

**Table 8.Clinical report for the year 2018-2019**

<b>Sl. No</b>	<b>Particulars</b>	<b>Nos</b>
1	Treatment	<b>75390</b>
2	Deworming	<b>62798</b>
3	Sterilization	<b>3186</b>
4	Vaccination	<b>176335</b>
	<b>Total</b>	<b>311366</b>

**Table 9.Vaccination Progress Report for 2018-2019**

<b>Sl. No</b>	<b>Species</b>	<b>FMD</b>	<b>HS&amp; BQ</b>	<b>CSF</b>	<b>Rabies</b>	<b>DHPPI+L</b>	<b>poultry</b>	<b>Total</b>
1	Cattle	20095	46	0	0	0	0	<b>20141</b>
2	Sheep	3	0	0	0	0	0	<b>3</b>
3	Goat	85	0	0	0	0	0	<b>85</b>
5	Pig	276	0	59	0	0	0	<b>335</b>
6	Dog	0	0	0	2533	438	0	<b>2971</b>
7	Cat	0	0	0	243	0	0	<b>243</b>
8	Poultry	0	0	0	0	0	151800	<b>151800</b>
	<b>Total</b>	<b>20459</b>	<b>46</b>	<b>59</b>	<b>2776</b>	<b>438</b>	<b>151800</b>	

**Table 10.Sterlization Progress for 2018-2019**

<b>Type</b>	<b>Nos</b>
1 cattle	<b>212</b>
2 Horse	<b>98</b>
3 Goat	<b>1</b>
4 Pig	<b>113</b>
5 Dog	<b>2762</b>
6 Cat	<b>192</b>
<b>Total</b>	<b>3378</b>

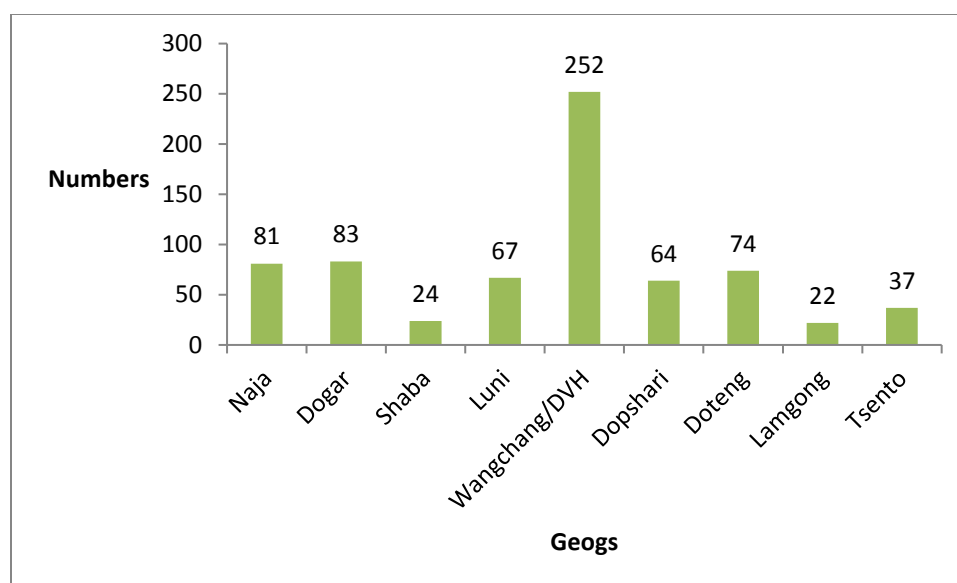
**Table 11.Progress for Deworming 2018-2019**

<b>Deworming</b>	<b>Nos.</b>
1 cattle	<b>14967</b>
2 Horse	<b>339</b>
3 Pig	<b>1083</b>
4 Poultry	<b>44511</b>
5 Dog	<b>1616</b>
6 Cat	<b>404</b>
7 Yak	<b>859</b>
<b>Total</b>	<b>63779</b>

Breed Improvement is one of the most important components in dairy farming. Dairy farmers were not actually monitoring the heat cycle and the body condition scoring of the cows.

**Table 12. Artificial Insemination Progress under Paro Dzongkhag for the year 2018-2019**

Name of AI Centre	Name of AI Staff	Contact No.	Total No. of AI done in 2018-19	Projeny born in 2018-19	Issues related to AI Services Delivery
RNR-EC, Naja	Tsheten Dorji		81	6	
RNR-EC, Dogar	Ugyen Rinzin	17639279/77287480	83	7	
RNR-EC, Shaba	Shabir Tamang	17749039	24	7	
RNR-EC, Luni	Thinley Dorji	17757738	67	39	
RNR-EC, Wangchang/DVH	Kinzang Choden/Cheten Gyeltshen	17658049/17645698	252	57	
RNR-EC, Dopshari	Kinley Dorji	17953276	64	38	
RNR-EC, Doteng	Ugyen Phuntsho	17733425	74	74	
RNR-EC, Lamgong	Rinchen Dendup	17691004	22	0	Till March 2019 AI services was covered from DVH.
RNR-EC, Tsento	Sonam Rinchen/Phub Tshering	17774312	37	9	
<b>Grand Total=</b>			<b>704</b>	<b>237</b>	



**Figure 1 AI performed from different AI service centers**

The AI progeny born from Lamgong geog was recorded at DVH because earlier there was no AI service centre at Lamgong geog.

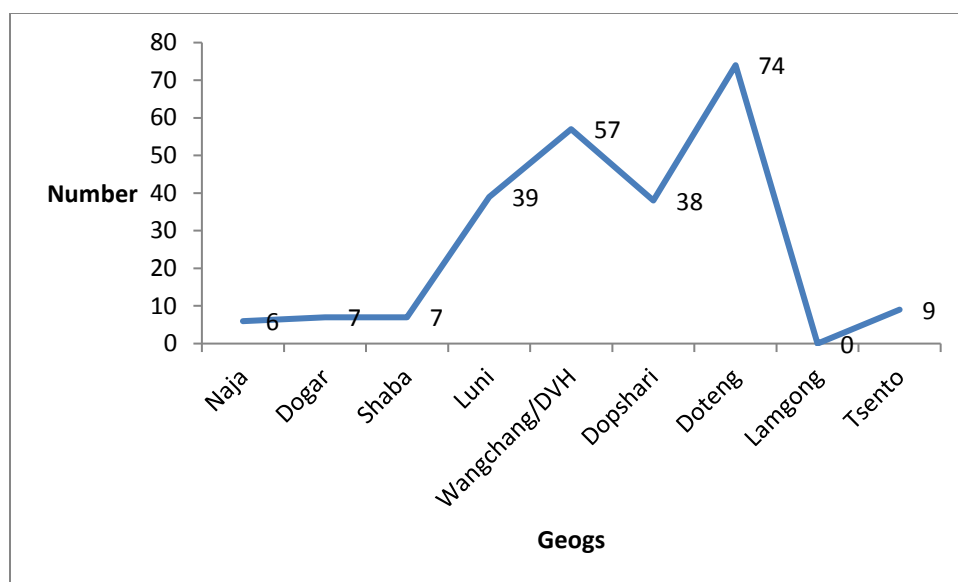


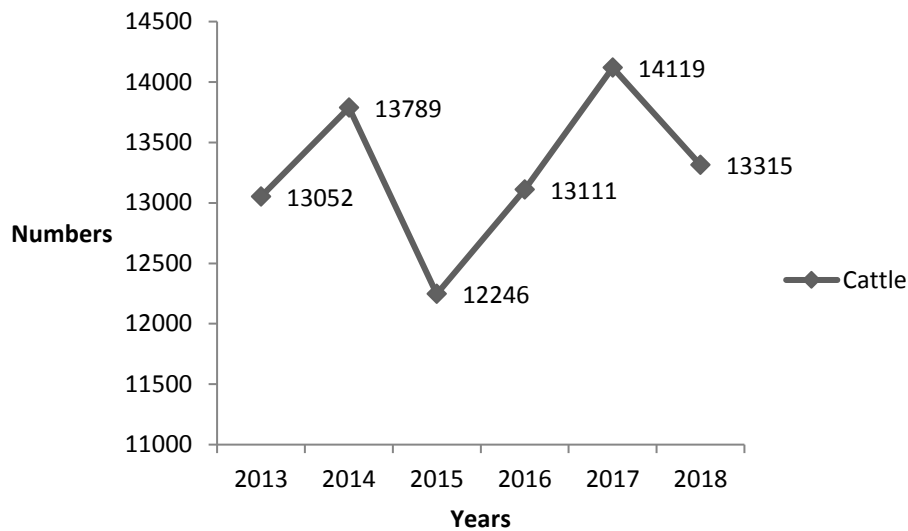
Figure 2. Progeny born in 2018-2019

Table 13. Average Numbers of AI performed from various service delivery centers

Sl.No	Name of Geog/AI Centre	AI done during the month												Grand Total	Average AI per month
		July 2018	Aug 2018	Sept 2018	Oct 2018	Nov 2018	Dec 2018	Jan 2019	Feb 2019	March 2019	April 2019	May 2019	June 2019		
1	RNR-EC, Naja	8	8	10	3	4	4	6	8	10	9	5	10	85	7.08
2	RNR-EC, Dopshari	6	8	11	4	5	8	0	0	0	0	10	12	64	5.33
3	RNR-EC, Tsento	7	4	4	1	4	3	4	1	3	3	2	2	38	3.16
4	RNR-EC, Dogar	9	11	8	8	6	5	2	4	8	8	7	7	83	6.91
5	RNR-EC, Shaba	3	7	2	0	3	0	0	2	1	3	1	2	24	2
6	RNR-EC, Luni	6	6	8	6	4	9	3	3	0	4	7	11	67	5.58
7	RNR-EC, Lamgong	0	0	0	0	0	0	0	0	0	3	9	11	23	1.91
8	RNR-EC, Doteng	7	11	12	11	6	6	1	3	4	1	9	3	74	6.16
9	DVH (Wangchang Geog/Hoongdrel Geog/Lamgong Geog and 1/4 of Luni Geog villages)	31	39	23	16	22	12	13	15	20	22	19	20	252	21
														710	59.16

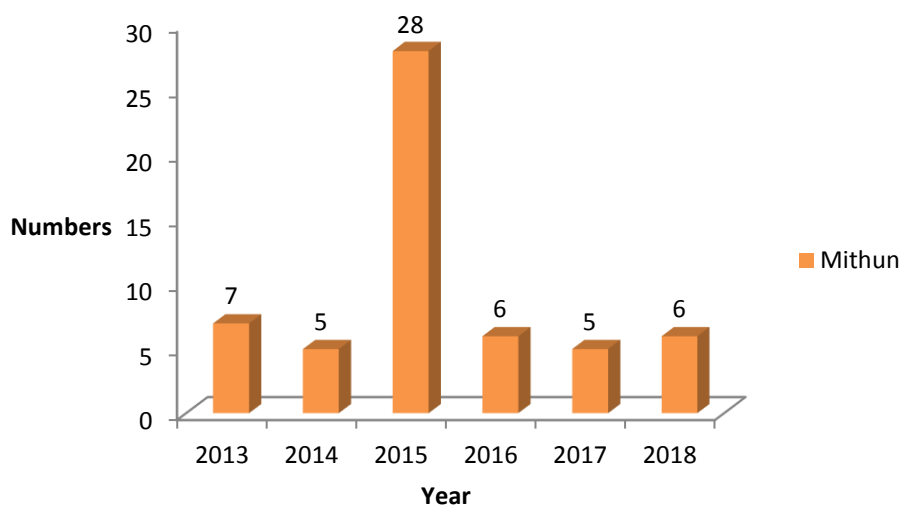
Table 14. The following table shows the number of yaks died due to gid, depredation by wild animals etc, in 2018-2019.

Name of owner	Village	Died due to GID						Died due to other reasons						Fecal Sample Collected
		Calf		Calf/ young		Adult		Adult yak		Calf/ Young				
								M	F					
		M	F	M	F	M	F	M	F	M	F	M	F	2
Nima wangdi	Khagona	0	2	1	0	0	0	0	5	0	0	2	0	3
Sangay	Duli	0	2	0	0	0	0	0	1	0	0	1	1	3
Tshewang Dorji	Duli	2	4	0	0	0	0	0	0	0	0	1	0	2
Tshering Penjo	Duli	0	0	3	2	0	0	0	0	0	0	1	0	3
Tshering	Telo	3	4	4	4	0	0	4	4	0	4	3	1	2
Samten Wangmo	Pangzo	5	9	4	4	0	0	0	0	0	0	2	1	3
Nima	Lena	1	1		0	0	0	0	0	0	0	2	1	3
Nim Tshering	Lena	0	0	0	0	0	0	2	0	2	2	0	3	2
Tandin	Lena	1	1	3	9	0	0	0	0	0	0	1	1	2
Lham	Lena	2	2	9	11	0	0	0	0	0	1	3	0	3
Sangay Zam	Lena	0	0	0	0	0	0	0	0	0	0	0	0	2
Wangchuk	Khagona	1	2			0	0	1	2	0	0	3	1	3
Sonam Dorji	Shomona	3	5	1	1	1	0	0	0	3	0	3	1	2
Sonam Tobgay	Shomona	1	7	0	0	0	0	0	0	0	0	1	1	2
Dorji	Pangzo	4	6	0	0	0	0	0	7	4	0	3	0	3
Dorji	Ongdo	13	7	0	0	0	0	0	0	0	0	2	1	2
Tobgay	Telo	4	6	0	0	0	0	0	6	4	2	3	2	3
Sedo	Lena	1	3	1	1	0	0	0	1	0	0	3	1	4
Tashi Norbu	Shingkharab	0	0	0	0	0	0	0	0	0	0	3	0	
		41	61	26	32	1	0	7	26	13	9	37	15	47



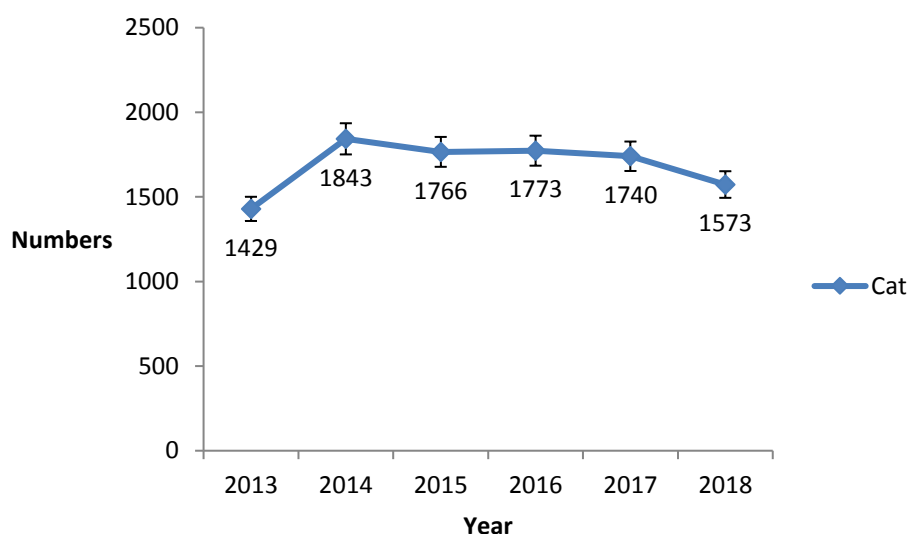
**Figure 3. Cattle Population Trend**

The line graph represents cattle population trend for six years from 2013 to 2018 in Paro Dzongkhag. As per the record maintained and submitted to the Department of Livestock, overall, there was an inconsistency in the population trend over the years. In 2013, the population was 13052 and there was a steady increase to 13789 in 2014. However, it was observed that in 2015, there was a sharp decline to 12246. From 2015 to 2017, there was a steady increase to 14119 which was in fact the highest population increased over the period of time. In 2018, again there was a sharp decline to 13315.



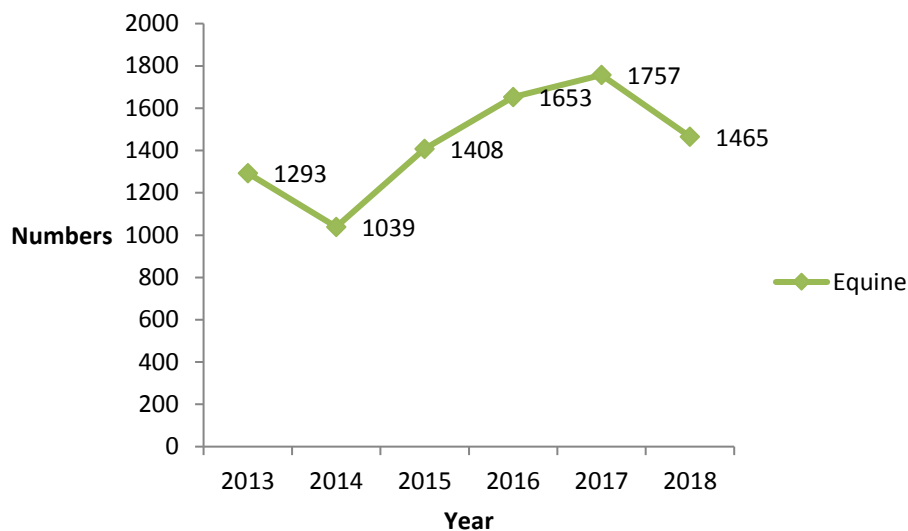
**Figure 4. Mithun Population Trend**

The bar graph illustrates the Mithun population under Paro Dzongkhag from 2013 to 2018. Over all, it was observed that there were not many differences in the number of Mithun. However, in 2015, the number increased to 28 which was a highest Mithun recorded over the period.



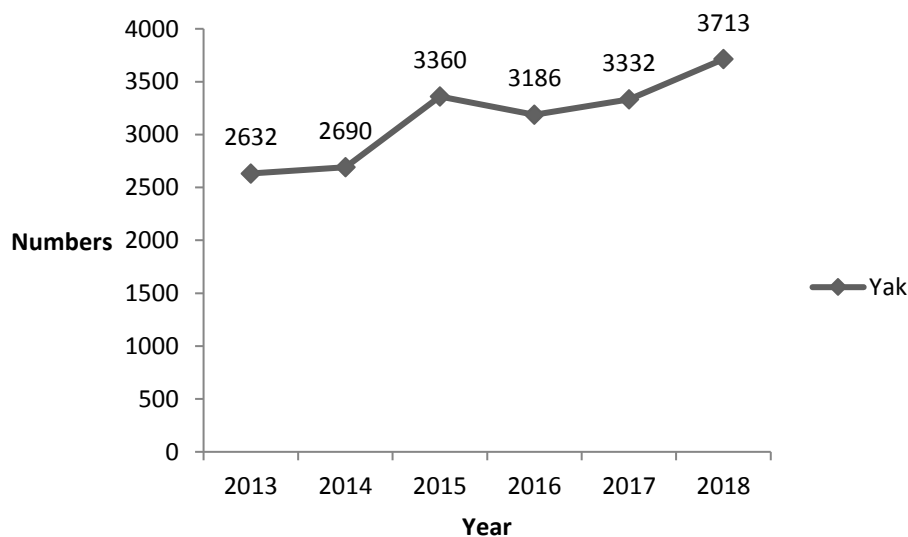
**Figure 5. Cat Population trend**

The line graph shows cat population in Paro Dzongkhag from 2013 to 2018. Over all, there was not much difference in the population but from 2018, it was observed that there was a decreased trend. In 2013, the population was 1429 and it has increased by 414 in 2014. From then on it was found that there was a steady decline with 1766 in 2015 and 1773 in 2016. In 2017, the population decreased to 1740 and at the end of 2018, it has decreased to 1573



**Figure 6. Equine Population Trend**

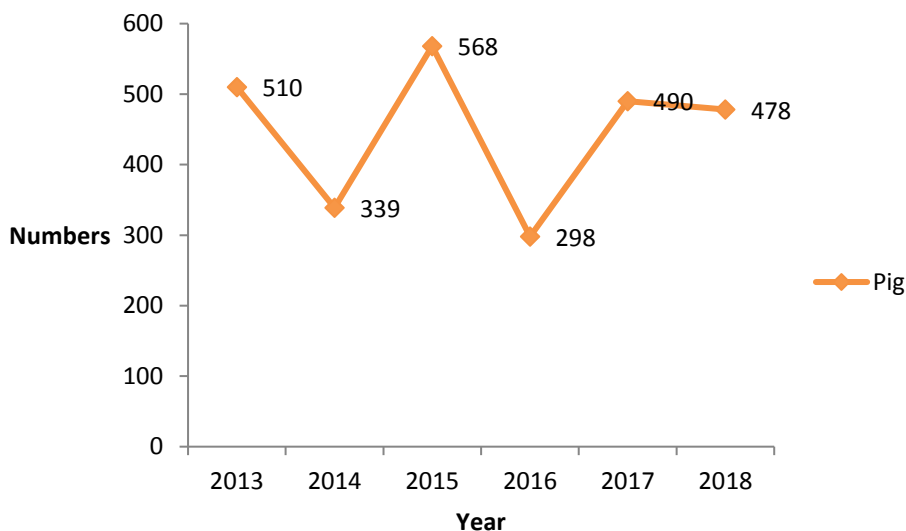
The line graph represents equine population from 2013 to 2018 in Paro Dzongkhag. Overall, the graph shows that it has decreased in the beginning and then increased steadily till 2017. Thereafter it was found decreasing. In 2013, the equine population was only 1293 and there was a decrease in number to 1039 in 2014. From 2014 to 2017, there was a steady increase to 1757 numbers. Towards the end of 2018, the population has further decreased to 1465 numbers.



**Figure 7. Yak Population Trend**

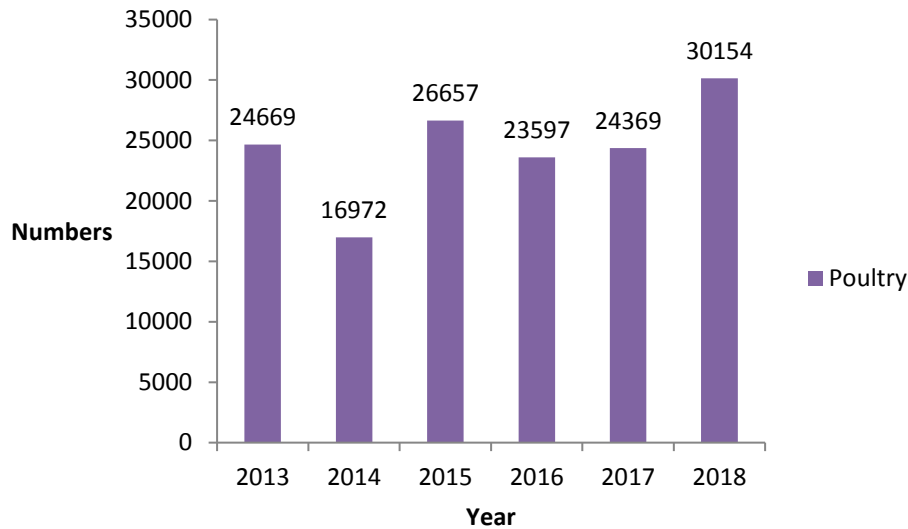


The line graph illustrates yak population under Paro Dzongkhag from 2013 to 2018. Overall, we can see there was an increasing trend in yak population. In 2013, the population was 2632 numbers and 2690 in 2014. The population recorded in 2015 was 3360 and thereafter a slight decreased to 3186 in 2016. In 2017, the population reached to 3332 numbers and towards the end of 2018, the yak population has increased to 3713 which was highest recorded over a period of time.



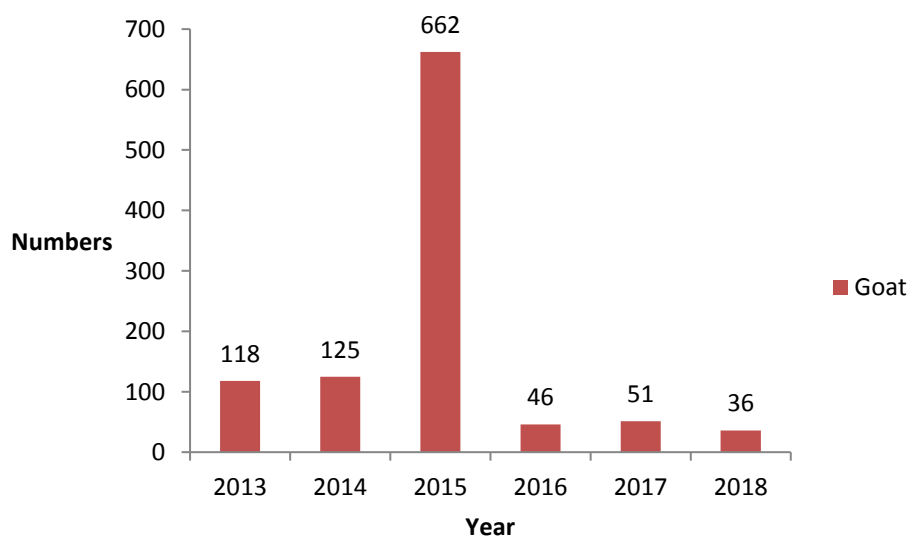
**Figure 8 Pig Population Trend**

The line graph represents the pig population from 2013 to 2018 in Paro Dzongkhag. Overall, there was an inconsistency in the numbers of pigs. However, it was noticed that the population has been decreasing due to religious and social influences. By looking at the graph, the sector is facing difficulties in achieving the annual APA and individual work plan progress.



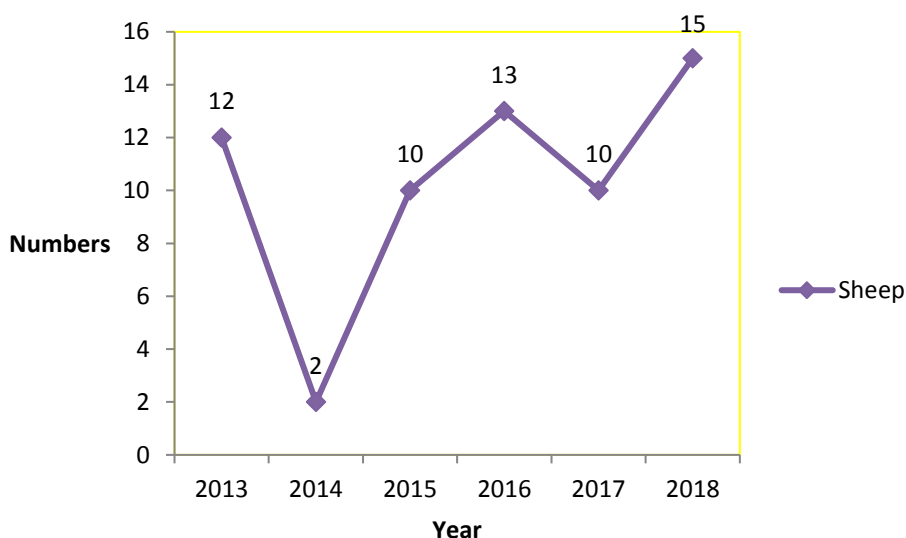
**Figure 9. Poultry Population Trend in 11FYP**

The bar graph illustrates the population of poultry in the 11FYP. Overall, the population remained constant and found increased towards end of the plan period. The population recorded in 2013 was 24669 with a sharp to 16972 in 2014. However, there was a tremendous increased in 2015 with 26657 and followed by decreased in 2016 with 23597. From then on in 2017 there was an increase of 772 birds making a total of 24369. By the end of 2018, there was a significant rise in the numbers reaching a total of 30154.



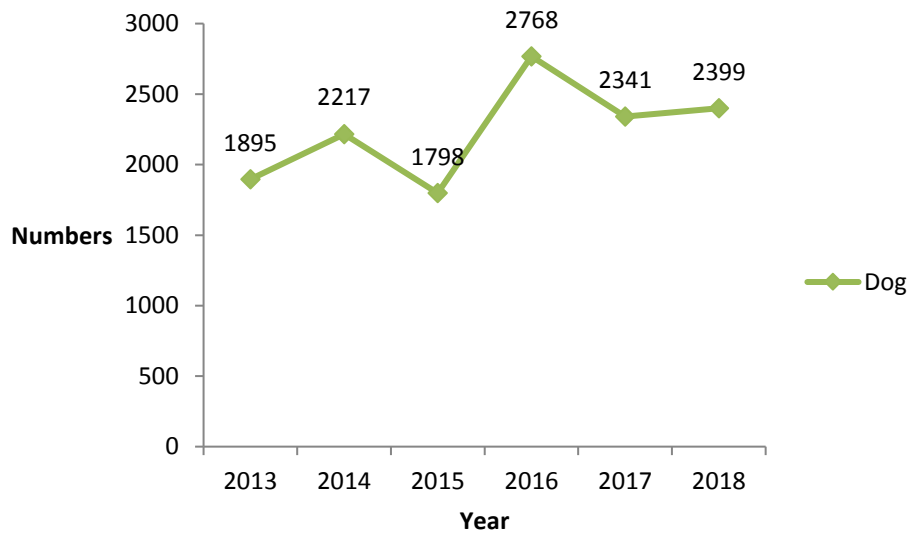
**Figure 10. Goat Population Trend**

The histogram shows the goat population from 2013 to 2018 in Paro Dzongkhag. Over all, there was a decreased trend with some exceptions in 2015. The population in 2013 was 118 and thereafter increased to 125 in 2014. In 2015 there was a highest numbers recorded with 662 goats. In 2016 the population was 46, 51 numbers in 2017 and finally reduced to 36 numbers in 2018.



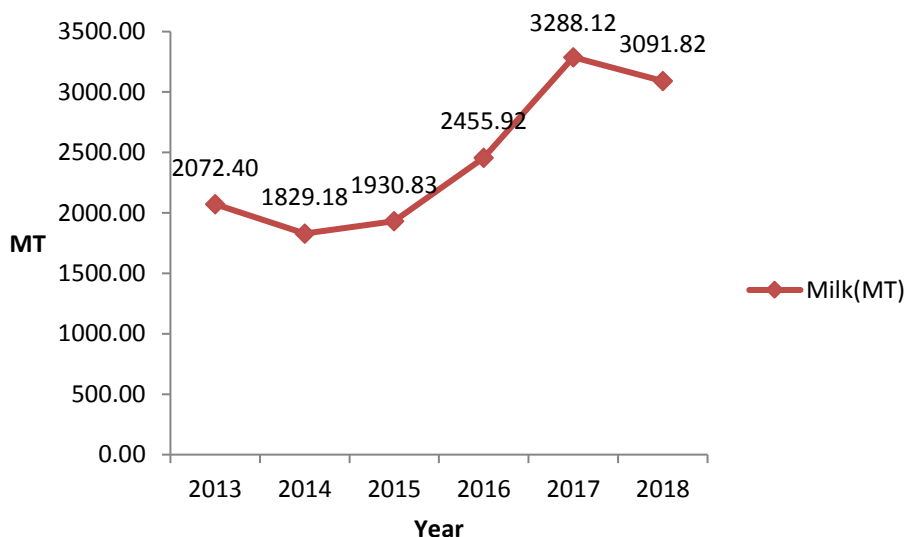
**Figure 11. Sheep Population Trend**

The sheep population was recorded in 2013 with 12 numbers and a year later there was extreme sharp decline with 2 numbers recorded in 2014. In 2015, the population increased to 10 and in 2016 it went up to 13 numbers. In 2017 an increase of 3 numbers was noticed and year later in 2018 it was recorded to 10. At the end of 2018, there was an increasing of 5 numbers making a total of 15 numbers.



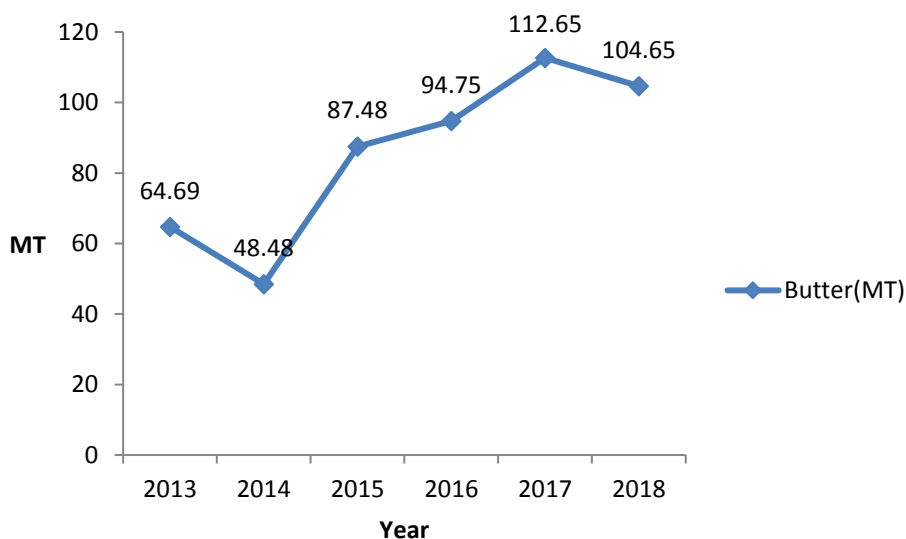
**Figure 12. Dog Population Trend**

The line graph shows dog population from 2013 to 2018 under Paro Dzongkhag. Although annual sterilization campaign has been carried out twice a year but we can still see there was an increasing trend because the sterilized dogs were surviving. In 2013, the population was recorded at 1895 numbers and increased to 2217 in 2014. Later in 2015, a slight decline to 1798 was recorded. In 2016, there was a sharp increase in the numbers of dogs to 2768 which was highest over the period of time. In 2017, the number decreased to 2341 and towards the end of 2018, there was a slight increase to 2399. The population trend will certainly decrease in due course of time if we continue sterilization campaign as well as sterilization day on every Tuesday.



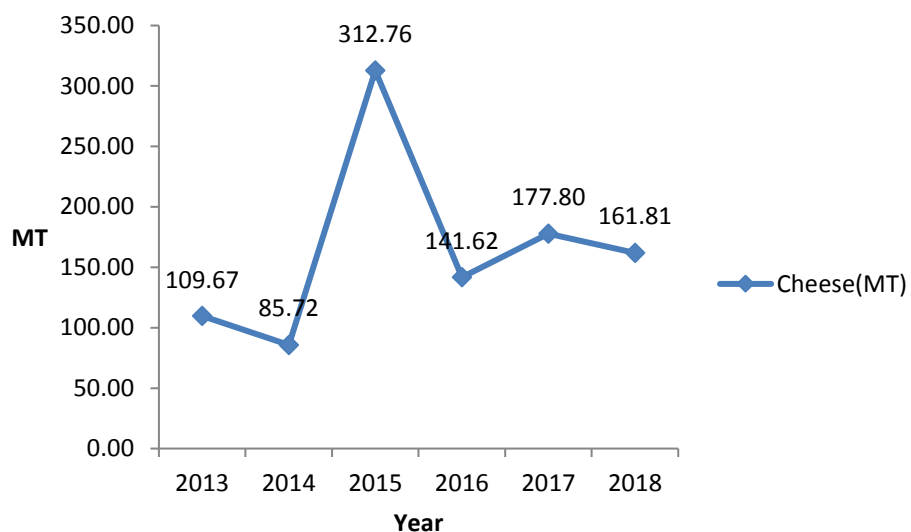
**Figure 13. Milk(MT) 2018-2019**

The line graph represents milk production from 2013 to 2018 under Paro Dzongkhag. Units are measured in metric ton. Over all we can see that there was an increased milk production trend with highest milk production recorded in 2017. In 2013, the production was recorded at 2072.40 MT and decreased to 1829.18MT in 2014. From then on in 2015, there was an increasing trend and recorded at 1930.83. Thereafter there was a steady increased to 2455.92 in 2016 and the highest milk production was recorded in 2017 with 3288.12. In 2018 there was a slight decrease to 3091.82MT.



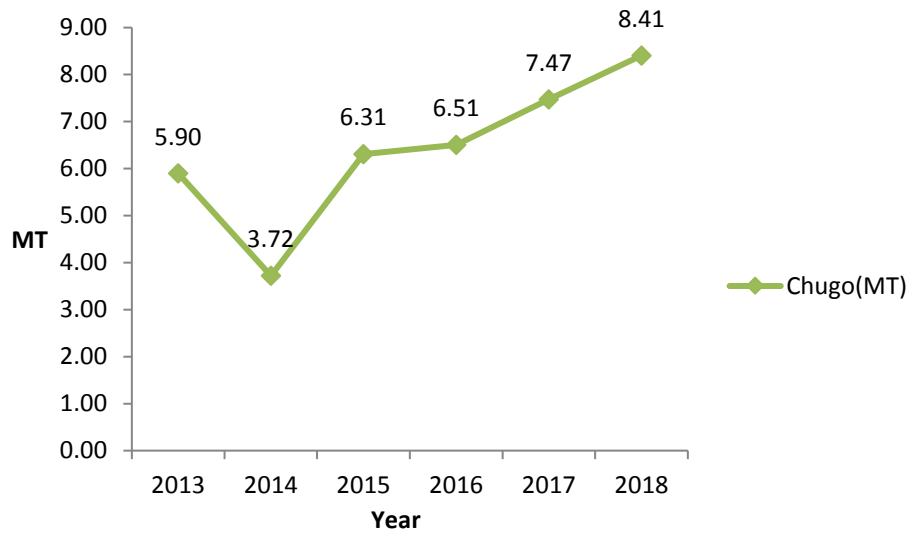
**Figure 14. Butter(MT) 2018-2019**

The line graph shows butter production from 2013 to 2018 under Paro Dzongkhag. Units are measured in metric ton. In 2013 it was 64.69MT and a year later in 2014 it declined to 48.48 MT. From then on it increased steadily to 87.48 MT in 2015, 94.75MT in 2016 and a peak production maintained at 112.65 MT in 2017. In 2018, butter production decreased to 104.65MT.

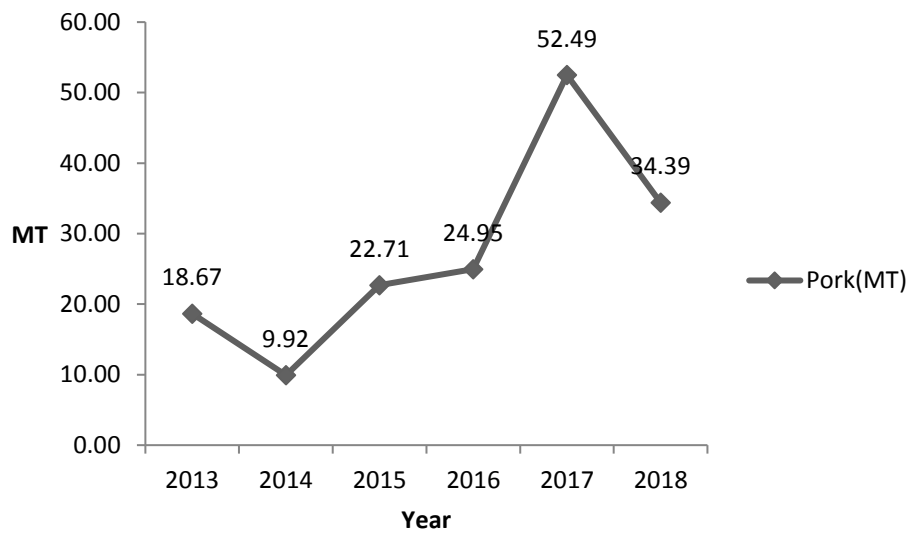


**Figure 15.Cheese(MT) 2018-2019**

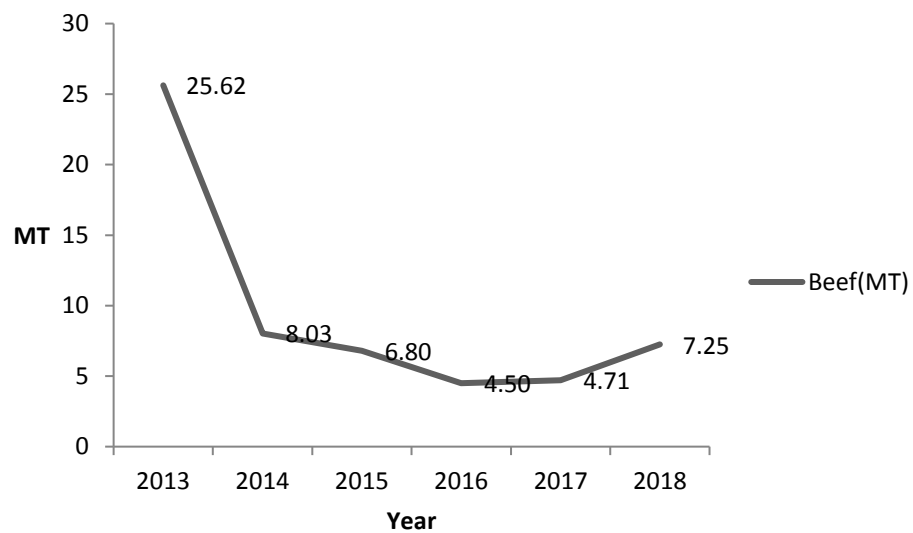
The line graph shows cheese production from 2013 to 2018 in Paro Dzongkhag. Units are measured in metric ton. The highest cheese production was recorded in 2015. The production in 2013 was recorded at 109.67MT and a year later it decreased to 85.72MT. A significant increase to 312.76MT in 2015 and a sharp fall to 141.62MT in 2016. In 2017 it was recorded at 177.80MT and 161.81MT in 2018 was recorded.



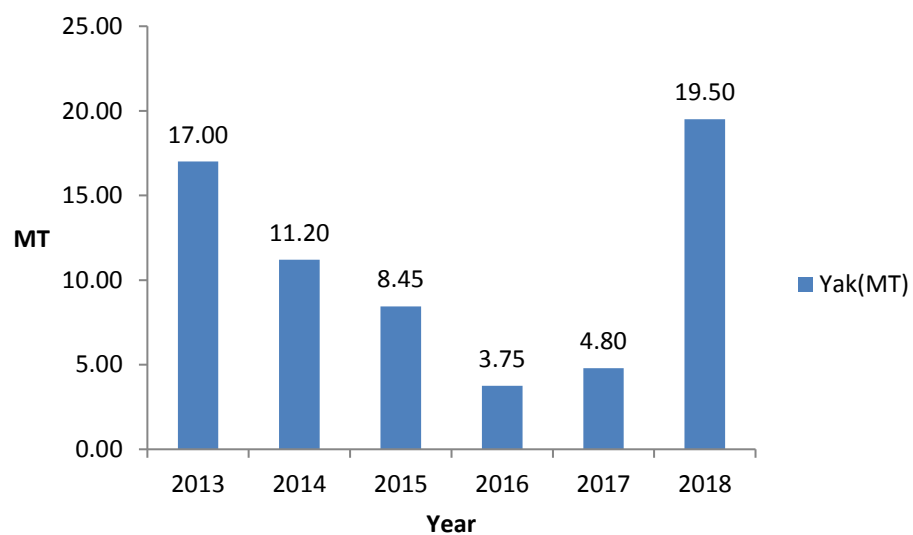
**Figure 16.Chugo(MT) 2018-2019**



**Figure 17.Pork(MT) 2018-2019**

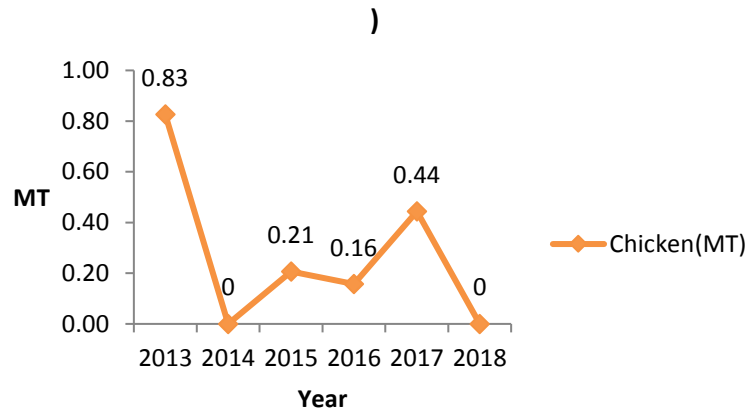


**Figure 18.Beef(MT) 2018-2019**

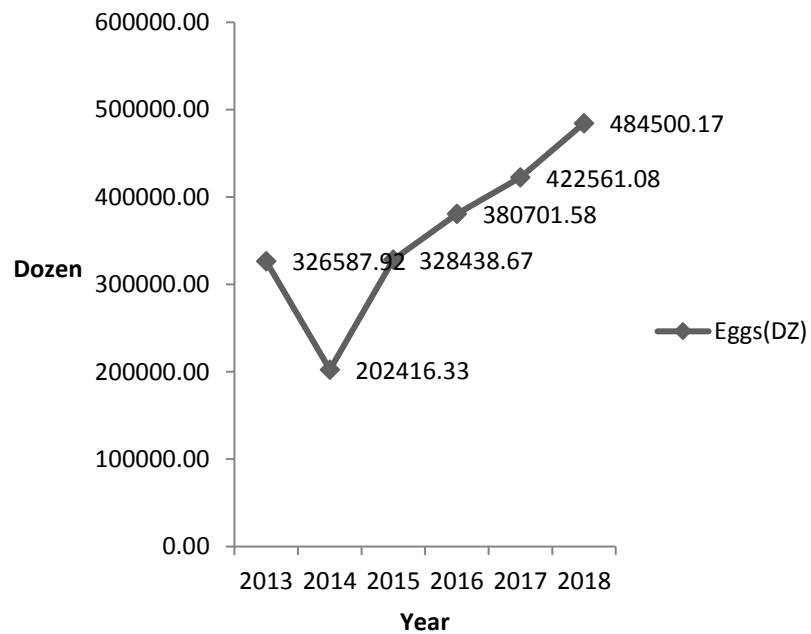


**Figure 19.Yak (MT) 2018-2019**





**Figure 20. Chicken(MT 2018-2019**



**Figure 21. Eggs(DZ)2018-2019**

## Subsidy Support for the year 2018-2019 from Dzongkhag Livestock Sector

**Table 15 . Subsidy Support for Poultry and Piggery 2019**

Geogs	Poultry Nos	Piggery Nos	Poultry Nu	Piggery Nu	70%	30%	Total NU	CGI Sheet Nos	Cement bags
Dopshari	1025	0	71500	0	50050	21450	71500	50.86382114	58.7671233
Doteng	1500	100	105000	540000	73500	31500	105000	74.69512195	86.3013699
Dokar	2050	0	143500	0	100450	43050	143500	102.0833333	117.945205
Luni	2000	13	140000	70200	98000	42000	140000	99.59349593	115.068493
Horray	2000	0	140000	0	98000	42000	140000	99.59349593	115.068493
Lamgong	2000	10	140000	54000	98000	42000	140000	99.59349593	115.068493
Tsento	2000	10	140000	54000	98000	42000	140000	99.59349593	115.068493
Naja	2000	50	140000	270000	98000	42000	140000	99.59349593	115.068493
Wangchang	2000	9	140000	48600	98000	42000	140000	99.59349593	115.068493
Shaba	2000	6	140000	32400	98000	42000	140000	99.59349593	115.068493
<b>Total</b>	<b>18575</b>	<b>198</b>	<b>1300000</b>	<b>1069200</b>	<b>910000</b>	<b>390000</b>	<b>1300000</b>	<b>924.796748</b>	<b>1068.49315</b>

**Table 16. Subsidy Support for silo Pit 2018-2019**

Geogs	Silo pit	Nos of CGI	Rate of CGI	Total CGI	Total cost Nu
Dopshari	0	13/pit	655	0	0
Doteng	0	13/pit	655	0	0
Dokar	4	13/pit	655	52	34060
Luni	1	13/pit	655	13	8515
Horray	0	13/pit	655	0	0
Lamgong	7	13/pit	655	91	59605
Tsento	0	13/pit	655	0	0
Naja	26	13/pit	655	338	221390
Wangchang	10	13/pit	655	130	85150
Shaba	0	13/pit	655	0	0
<b>Sub-Total</b>				<b>624</b>	<b>408720</b>
Geogs	Silo pit	Bags of cement	Rate/bag	Total bags	Total cost
Dopshari	0	9 bags	365	0	0
Doteng	0	9 bags	365	0	0
Dokar	4	9 bags	365	36	13140
Luni	1	9 bags	365	9	3285
Horray	0	9 bags	365	0	0
Lamgong	7	9 bags	365	63	22995

Tsento	<b>0</b>	9 bags	365	0	0
Naja	<b>26</b>	9 bags	365	234	85410
Wangchang	<b>10</b>	9 bags	365	90	32850
Shaba	<b>0</b>	9 bags	365	0	0
<b>Sub-Total</b>				<b>432</b>	<b>157680</b>

Table 17. Procurement and distribution of Chaff Cutter

Geogs	Nos of chaff cutter	Cost of Chaff cutter Nu	40% of the cost Nu (clients)	60% of cost Nu	Total cost Nu
Dopshari	0	36200	14480	21720	0
Doteng	1	36200	14480	21720	36200
Dokar	3	36200	14480	21720	108600
Luni	0	36200	14480	21720	0
Horrar	0	36200	14480	21720	0
Lamgong	2	36200	14480	21720	72400
Tsento	2	36200	14480	21720	72400
Naja	1	36200	14480	21720	36200
Wangchang	4	36200	14480	21720	144800
Shaba	<b>13</b>			0	<b>470600</b>

Table 18. By law review training

Geog	No. of Farmers	No. of days	Remarks
Naja	48	2	
Lamgong	41	2	
Wangchang	50	2	
Doteng	60	2	
Dogar	57	2	
Nemjo	15	2	
Luni	23	2	
Tsento	45	2	
soe Yaksa & Nubri	46	2	
Shaba	73	2	
Damcheyna	33	2	
Dopshari	66	2	
<b>Total</b>	<b>557</b>		

**Table 19.Inputs supply 2018-2019**

<b>Geog</b>	<b>Layer Nos</b>	<b>Piglet Nos</b>	<b>Heifers Nos</b>	<b>Pure Jersey Br.bulls nos</b>
Shaba	5600	6	0	1
Luni	500	0	28	0
Wangchang	1550	0	0	0
Hurray	200	0	0	0
DopShari	3000	10	15	0
Doteng	0	90	12	0
Lamgong	8600	46	0	0
Tshento	3000	18	10	0
<b>Total</b>	<b>22450</b>	<b>170</b>	<b>65</b>	<b>1</b>

**Table 20.Trainings and Awareness**

<b>Subject</b>	<b>No. of farmers trained</b>	<b>Remarks</b>
Artificial Insemination	62	Heat detection and awareness on breeding and sterilization of the scrub bulls
Piggery	20	Focused on fattening and breeding management
Poultry	52	General management for better production

**Table 21.Bio gas awareness Training for 2018-2019**

<b>Geog</b>	<b>No. of Farmers</b>	<b>No. of days</b>	<b>Remarks</b>
Naja	44	1	
Lamgong	33	1	
Wangchang	39	1	
Doteng	50	1	
Dogar	51	1	
Luni	52	1	
Shaba	46	1	
Damcheyna	33	1	
Dopshari	63	1	
Tsento	61	1	

### Farmers study tour

During the farmers study tour, we could also send most of our technical staff for the exposure trip to the commodity centers, farms, processing units, etc. This exchange program has really benefitted our farmers as well as staff because they have seen and experienced the real cases and the success.

**Table 22. Bio gas awareness Training for 2018-2019**

Sl. No	Name of group	No. of Bus	No. of days	No. of herders	Remarks <sup>1</sup>
1	Soi Lanor Gongphel Deytshen All Dairy Group	1	15	19	Visited eastern Dzongkags, dairy farmers groups & cooperatives, Service Centers and commodity centers
2	members	3	15	62	
				<b>81</b>	

**Table 23. Annual Performance Agreement (APA) 2019-2020 for Livestock Sector Paro Dzongkhag**

Objective	Action	Success Indicator	Unit	Wt	Ex. 100%	V good 90%	Good 80%	Fair 70%	Poor 60%
Food and Nutrition Security enhanced	Livestock Production increased	Pork Production	MT	3	27.78	25	20	17	≤ 17
		Egg Production	Millions	3	4.827	4	3.5	3	≤ 3
		Milk Production	MT	3	2828.40	2500	2200	2000	≤ 2000
Carbon neutral, climate and disaster	Disaster management and adaptive capacity improved	Households with biogas plants	Number	2	40	35	30	25	≤ 25

<sup>1</sup>

### Priority Sector Lending (PSL)

PSL is an additional task allocated to the sector and LPO has been doing this activity for the last one year and still continues the same as a focal person for Dzongkhag PSL.

Table 24. **Priority Sector Lending (PSL)**

<b>Sl. No</b>	<b>Total PSL Application received</b>	<b>Livestock Project</b>	<b>Approved</b>	<b>Loan Received</b>	<b>Remarks</b>
1	140	60	57	20	Dairy and Poultry

#### 4. Challenges faced

The sector has faced the following issues and challenges in the implementation of the programs and activities:

- ✓ Delay arrival and approval of the capital budget has led tight schedule in implementation of activities in limited time frame
- ✓ Inadequate travel budget towards the end of Month
- ✓ Off time activities with limited rewards
- ✓ Heavy workloads for the staffs in DVH and geogs

#### 5. Way Forward

- ✓ As per the revised entitlement, the travel budget has to increase
- ✓ Should plan off time incentives for the staff
- ✓ Additional staff to deploy to provide efficient service delivery
- ✓ Everyone needs to have their terms of reference as per IWP

**Table 25. LG Elected members Dogar Geog**

<b>Name</b>	<b>Designation</b>	<b>Contact no</b>
Lhab Tshering	Gup	17608309
Kinley Penjor	Mangmi	17498712
Rinzin	Tshokpa Dawakha -Tshongkha	17521055
Gyem Rinzin	Tshokpa Tsephu-Tencheykha	17653305
Dawa	Tshokpa Issuna-Mendrey	77478365
Dorji	Tshokpa Khamdra-Sali	17665776
Ugyen	Tshokpa Goensakha-Phuchekha	17831271

**Table 26. Local Government officials Dop Shari Geog**

<b>Name</b>	<b>Designation/Location</b>	<b>Contact No.</b>
Tshering Dorji	Gup	17919990 /77444121
Jou	Mangmi	17650394
Kinga Tenzin	Duezhi_JipaTshogpa	17665313
Phub Gyeltshen	Jangsa_JookaTshogpa	17641170
Chencho Wangdi	JizhigangTshogpa	17679448
Pemba Zangmo	Kempa_KuduphuTshogpa	17686494
Kinley Wangmo	Rinchhending_ShariTshogpa	17941817
TashiPelden	Gewog Administrative Officer	17552617
TsheringDorji	Gaydrung	17823998
JyotiBala Rai	Accountant	17774496

**Table 27.Doteng Geog**

<b>Name</b>	<b>Designation</b>	<b>Contact no</b>
Letho	Gup	17625504
Chimi Dorji	Mangmi	17621763
SangayTenzin	Jabji_Loogchhoed Tshogpa	17633757
Chencho Norbu	ChhubarTshogpa	17705565
Rinzin	Aatsho_PunoobTshogpa	17608786
Tshering	Phooshar Tshogpa	17536739
Phub Dorji	Joogar_PachhuTshogpa	1785291

**Table 28.Hungrel Geog**

<b>Name</b>	<b>Gewog/Chiwog</b>	<b>Contact #</b>
Gyem Thinley	Gup	17606711
Sherab Lham	Mangmi	17508940
Tshering	-	17805243
Jamyang Sherab Dorji	Geydrung	17780362
Yuden	Tshogpa Hungrelkha	17381366
Kinley Jamtsho	Tshogpa Gaupay	17537202
Ugyen Tsheing	Tshogpa Genkha	17403031
Karma Om	Tshogpa Chubjikha	17957730
Dema	Tshogpa Lunchuna	17622627



**Table 29.Lamgong Geog**

<b>Name</b>	<b>Designation</b>	<b>Contact No</b>
Gem Tshering	Gup	17606654
Gem Dorji	Mangmi	17665532
Lhab Gem	Geydrung	
Lhendrup	Care taker	17331324

**Table 30.Local government officials Lungnyi**

<b>Name</b>	<b>Designation</b>	<b>Contact No.</b>
Jamtsho	Gup	17703795
Tshering	Mangmi	77227407
Chencho	Geydung	17257397
Phutsho Wangdi	Forest	17681453
Thinley Jamtsho	Livestock	17757738
Yeshe Dorji	Agriculture	17493929
Tsherig Dorji	Dzongdrakha Tshogpa	17642017
Tshering	Pangbisa	77440839
Khandu	Nemjo	17731571
Chencho Gem	Bangdey	17640862
Gyeltshen	Jew-Wochu	17657382

**Table 31.Local Government Officials Naja**

<b>Name</b>	<b>Designation</b>	<b>Contact No.</b>
Kinley Wangdi	Gup	77345157
Cundu Tshering	Mangmi	17777363
Jampel Dorji	Tshogpa (Zursuna-Wanakha)	17626290
Nim Tshering	Tshogpa (Jashina-Tsuengoen)	17590786
Lobzang Nima	Tshogpa (Rashigang-	77433937

	Tshegoen)	
Tshering Pem	Tshogpa (Bueltikha-Jagoen)	17658873
Chencho Passang	Tshogpa(Bemphu-Lingshi-Nagu)	17605538
Nima Gyeltshen	Gaydrung	17514101

**Table 32. Local government officials Shaba**

<b>Name</b>	<b>Designation</b>	<b>Contact no</b>
Chencho Gyeltshen	Gup	17607281
Sangay Dorji	Mangmi	17612932
Pempa Tshering	Tshokpa(Bjisikha-phubana)	17839838
Chencho Gyeltshen	Tshokpa(Chukha-Goonjukha)	17601048
Lotey Gyeltshen	Tshokpa(Dochorten-Nyephu)	17337729
Nidup	Tshokpa(Drujyeldingka)	17999832
Chencho Zangmo	Tshokpa(Bara-Zhungkarna)	17274055

**Table 33. Tsento Geog**

<b>Name</b>	<b>Designation</b>	<b>Contact No</b>
Dolay Tshering	Gup	17642054
Chencho Gyeltshen	Mangmi	17394376
Kaka	Shana Tshogpa	77411726
Lhab Tshering	Zamsa Tshogpa	17888449
Cimi Dorji	Phongdo Tshhogpa	17665128
Dophu	Shari Tshogpa	77375292
Tobgay	Yaksa & Nubri Tshopz	17679968
Yeshey Wangmo	GAO	17653337
Phurba Thinley	Geydrung	17887136
Tshetemo	Care taker	17676125

**Table 34. Wangchang Geog**

<b>Name</b>	<b>Designation</b>	<b>Contact no</b>
Kuenzang Rinzin	Gup	17602725
Passang	Mangmi	17612620
Phub Dem	Tshogpa(Chamedthangka-Khangkhu)	17580226
Kencho	Tshogpa(Gaptey-Olathang)	17905166

Phuntsho	Tshogpa(Nakha-Mendi)	17392513
Tshering Penjore	Tshogpa(Namkar-Dungkar)	17606039
Dolay	Tshogpa(Chang-Jangtena)	17893006
Tshering Lhamo	Accountant	77618192
Gem Dorji	Agriculture	17743529
ChetenGyeltshen	Livestock	17645698
Tsheten Lhamo	Gedrung	17955703
Tshewang Nidup	Forestry	17746074

## 6. Conclusion

In conclusion, the sector would like to thank each and every staff for their timeless efforts and contribution in making a year successful for everyone. Similar data will be maintained and reports will be produced every year in order to compare and see the efforts made by each one for the benefits of our farmers. These data will be used for further planning and analysis of the new situations.