Draught Power Used During the Year 1999-00

Assumptions:	
1. All the other animals like Camels, Horses, Mules and Donkeys have already been taken in Non-Mechanised Road Transport (Transport & Communication Sector).	
2. The opportunity cost of the use of Draught power for alternate purposes is same.	
3. The value of Draught power and it's use is homogeneous.	
Calculations	
1.) No. of animals used for work = 182 + 3651 = 3833 thousands.	3833000
1% animals for non-mechanized road transport (Registered).	38330
2% animals for transport/bricks movement, etc.	76660
Availabale animals = 3833 - 115 = 3718 thousands.	3718010
2.) No of work days in a year = 365	365
Rainy and Slack season days = 115 days.	115
Working days for use of Draught Power 365 - 115 = 250 days in a year.	250
3.) Labour Charges: Permanent Labour is used for draught power.	
On the average 65 maunds wheat @Rs.300/-is given labour contract for one year.	19500
It includes meals as well. Others in kind (e.g.Tobacco, Shoes, Clothing etc.)	
are valued Rs. 1500/-	1500
Total Labour Charges	21000
Per day charges = 21000/365 = 57.53 or we can say approx. Rs. 60.00.	60
4.) Tractor ploughs 1/2 acre for rupees 70/-.	70
This work is done by a pair of animals and a person in a day.	
(for about 4 - 5 hours); half day for the labour charges	30
remaining is the output of two animals i.e. 70 - 30 = 40 rupees per day.	40
and per day per animal will be equal to 40 / 2 = 20 rupees.	20
Output of one animal is equal to 20 x 250 = 5000 rupess per year.	5000
No. of Bullocks and Bulls used in the agriculture (97 %) =	3718010
Output of working animals available for Draught Power = 3718010 X 5000 =	18590050000
Output of working animals in Million Rupees =	18590
	(Rs. Million)

Animals	No. of Draught Power Animals	Animal used for Draught power	Value by Draught power
Bullocks	182000	176540	**883**
Bulls	3651000	3541470	**17707**
Total	3833000	3718010	**18590**