

# Agriculture Establishment Employmentability Status in India – A Comparative Study with Socioeconomic Parameters

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**Abstract:** *Agricultural Establishments including agriculture, livestock, forestry and fishery play a vital role in the Indian economy. As per estimates of the Central Statistics Office (CSO), its share was 13.3 per cent of the Gross Value Added (GVA) during 2013–14 at 2011–12 bases at current prices. Primary and secondary data was compiled from economic census reports from 2007 to 2016, in order to frame the agricultural establishment employment status with socioeconomic, ownership, caste, creed and source of finance.*

*The report concludes that, the share of establishments engaged in livestock in rural India was 87.12% followed by agriculture other than crop production & plantation (4.89%), forestry and logging (4.79%) and fishing and aquaculture (3.20%). Thus distribution in case of urban India was livestock (82.35%) followed by fishing and aquaculture (10.53%), agriculture other than crop production & plantation (4.81%) and forestry and logging (2.31%). At all India level an average employment of 1.74 persons per establishment was observed for both the rural and the urban areas in agricultural establishments. For own account establishments this average was 1.6 persons per establishment and for establishments with at least one hired worker it was 3.07 persons per establishment. At the all India level, livestock accounted for the majority of establishments under agricultural establishments with 11.39 million establishments employing about 19.42 million workers with an average employment of 1.70 persons per establishment. It is observed that bulk 12.85 million (97.88%) of agricultural establishments were under Private Proprietary Ownership which accounted for about 22.17 million (96.87%) workers at the all India level. A total of 11.37 million establishments of the agricultural establishments were self-financed with a concentration of 91.89% in the rural areas. It is revealed that Gujarat had the maximum number of agricultural establishments (1.75 million) constituting 13.36% of all agricultural establishments in the country. It is followed by Tamil Nadu (13.31%), Maharashtra (12.12%), Andhra Pradesh (11.13%) and Uttar Pradesh (11.01%)*

**Key words:** Agricultural establishments, employment, ownership, social groups, finance

## INTRODUCTION

Agricultural Establishments including agriculture, livestock, forestry and fishery play a vital role in the Indian economy. As per estimates of the Central Statistics Office (CSO), its share was 13.3 per cent of the Gross Value Added (GVA) during 2013–14 at 2011–12 bases at current prices. An agricultural establishment for the purpose of the Sixth Economic Census (EC) was the one, engaged in production of agriculture goods (other than crop production & plantation by the farmers or a group of farmers or any agency), agricultural services, hunting, trapping & related activities, where at least some part of the production or services was sold out. Establishments engaged in activities pertaining to crop production and plantations though in the agriculture establishments were not covered as these are being covered regularly under Agricultural Census since 1970-71.

## METHODOLOGY

Primary and secondary data was compiled from economic census reports from 2007 to 2016, in order to frame the agricultural establishment status with socioeconomic, ownership, caste, creed and source of finance. Simple

tabular analysis and percentages were used to analyse the socioeconomic parameters.

## RESULTS AND DISCUSSION

### 1.1 Establishments

According to Sixth Economic Census (EC) there were 13.13 million agricultural establishments accounting to 22.45% of total establishments in the country. It is seen that out of 13.13 million agricultural establishments, 11.83 million establishments, constituting 90.0% of total agricultural establishments, were own account establishments. The rest were establishments with at least one hired worker.

About 92.0% (12.09 million) of the establishments in the agricultural establishments were located in rural areas, out of which 90.64% were own account establishments i.e. establishments without any hired workers and rest were establishments with at least one hired worker. In urban areas too, own account establishments shared the major chunk (83.63%) of the establishments in the agricultural establishments.

In the agricultural establishments, broad activity

classification based distribution was as follows: activities relating to agriculture other than crop production & plantation (4.89%), livestock (86.74%), forestry and logging (4.59%) and fishing and aquaculture (3.79%). The share of establishments engaged in livestock in rural India was 87.12% followed by agriculture other than crop production & plantation (4.89%), forestry and logging (4.79%) and fishing and aquaculture (3.20%). Thus distribution in case of urban India was livestock (82.35%) followed by fishing and aquaculture (10.53%), agriculture other than crop production & plantation (4.81%) and forestry and logging (2.31%).

### A. Employment

For employment in the agricultural establishments, the all India major broad activity classification based distribution was as under: Activities relating to agriculture other than crop production & plantation (5.95%), livestock (84.86%), forestry and logging (5.35%) and fishing and aquaculture (3.84%). The share of employment for establishments engaged in livestock in rural India was 85.42% followed by agriculture other than crop production & plantation (5.84%), forestry and logging (5.54%) and fishing and aquaculture (3.19%). The same distribution in urban India was livestock (78.4%) followed by fishing and aquaculture (11.25%), agriculture other than crop production & plantation (7.20%) and forestry and logging (3.15%).

In urban areas, proportion of employment in own account establishments and in establishments with hired worker were not significantly different as was observed in rural areas. About 69.11% (1.26 million workers) of the total urban agricultural employment was in OAE and the rest 30.89% (0.56million) in establishments with at least one hired worker. Female employment 8.89 million constituted 38.85% of total employment in agricultural establishments. Out of total female employment, the distribution was 7.69 million (86.52%) in own account establishments and the remaining 1.2 million (12.48%) in establishments with at least one hired worker.

About 92.6% of the female workers in agricultural establishments numbering 8.23 million were found working in rural areas. Female employment in own account establishments and establishments with at least one hired worker located in rural areas were about 7.13 million (86.92%) and 1.08 million (13.08%) respectively.

In urban areas proportion of female workers in agricultural establishments was 36.03% (0.66 million). Percentage share of female employment in own account establishments and establishments with hired worker located in urban areas were 81.43% (0.54 million) and 18.57% (0.12 million) respectively. At all India level an average employment of 1.74 persons per establishment

was observed for both the rural and the urban areas in agricultural establishments. For own account establishments this average was 1.6 persons per establishment and for establishments with at least one hired worker it was 3.07 persons per establishment.

### B. Selected Characteristics

#### Distribution by Broad Activity Classification

At the all India level, livestock accounted for the majority of establishments under agricultural establishments with 11.39 million establishments employing about 19.42 million workers with an average employment of 1.70 persons per establishment. In rural India, 10.53 million establishments were under livestock, employing about 17.99 million workers, with an average employment of 1.71 persons per establishment. The same distribution for urban India was 1.66 persons per establishment with 1.43 million workers in 0.86 million establishments. The distribution of establishments and employment in Agricultural Establishments by Broad Activity Classification: All India is given in **Table 1.2**.

#### C. Type of Ownership

The distribution of agricultural establishments by their type of ownership (i.e. Govt./PSU and Private Ownership comprising Proprietary, Partnership, Company, SHG, Co-operative, NPI and Others) by location together with employment therein is given in **Table 1.3**. It is observed that bulk 12.85 million (97.88%) of agricultural establishments were under Private Proprietary Ownership which accounted for about 22.17 million (96.87%) workers at the all India level. About 1.42% establishments were owned by 'Private Others' employing about 1.77% of the total workers and the share of Government/PSU in agricultural establishments was only 0.35% employing 0.49% of total workers. Similar trend was observed in both rural and urban areas.

#### D. Social Group of Owners

In rural India, the social group 'Others' (i.e. other than SC/ST/OBC) owned 34% of agricultural establishments (**Table 1.5**) where 33.8% of the total agricultural establishments' work force were engaged. Whereas the 'Others' group of Urban India owned 30.4% of these establishments with 32.5% employment therein. The share of social group 'Others' in both agricultural establishments and employment therein was 33.7%. The SC and ST owners together owned 20.8% of the total agricultural establishments where 20.7% of the workers were engaged. This distribution was 21.3% establishments employing 21.2% of workers and 14.6% establishments employing 14.4% of workers for rural and urban areas respectively.

Majority of proprietary agricultural establishments were owned by OBC owners with figures of 45.6% of total

agricultural establishments having the employment share of 45.7%. In urban areas, 55.0% establishments were under OBCs' ownership that employed 53.1% of the workers. The share of OBC ownership of proprietary agricultural establishments in rural areas was 44.7% employing 45.1% of the workers.

#### E. Religion of Owners

At the all India level Hindus owned 80.57% of the agricultural establishments (Table 1.6) which employed 80.74% of the workforce. This distribution was 81.34% establishments employing 81.47% of workers and 71.67% establishments employing 72.13% of workers for rural and urban areas respectively. In rural India, the Muslim owners owned 6.37% of agricultural establishments where 6.22% of the total agricultural establishments' work force was engaged whereas the Muslim owners of Urban India owned 12.72% of these establishments with 11.88% employment therein. The Muslim owners owned 6.87% of establishments at the all India level with an employment share of 6.67%.

Proprietary owners with religion as others owned 6.27% of the establishments at the all India level with 6.3% and 5.92% ownership in rural and urban areas respectively. The employment share for these establishments were 6.61%, 6.6% and 6.74% respectively. A total of 6.29% of the establishments at the all India level were owned by owners who practiced Christianity, Sikhism, Jainism and Buddhism where 5.98% of the workforce was engaged.

#### A. Nature of Operation

Perennial establishments in the agricultural establishments accounted for 85.5 % of the establishments and 84.9% of the employment with an average employment of 1.73 persons per establishment at the all India level. About 10.26 million establishments, accounting 84.9% of the rural establishments of agricultural establishments, were perennial which employed 17.74 million workers. The distribution of Establishments and Employment in agricultural establishments by nature of operation: All India is given in Table 1.7.

#### B. Premises Status

It has been observed that 68.24% of the agricultural establishments numbering 8.96 million operated from inside households (Table 1.8). Out of them 92.6 % were located in the rural areas and the rest in urban areas. About 2.42 million agricultural establishments were situated outside household without fixed structure with a concentration of 91.4% in the rural areas. This included the herdsman, fishermen, etc. engaged in various activities of agricultural establishments. About 13.33% of the agricultural establishments in India operated from outside household with fixed structure. In rural India, 13.02 % establishments were operating from outside household with fixed structure whereas in urban India this figure was 17.0%.

#### A. Major Source of Finance

A total of 11.37 million establishments of the agricultural establishments were self-financed with a concentration of 91.89% in the rural areas (Table 1.9). In rural India, 86.5% of the agricultural establishments were self-financed whereas this figure was 88.2% in urban India. Donations/Transfers from other agencies was the next major source of finance with a share of 9.0%. Financial assistance from Govt. sources and borrowing from financial institutions as major source of finance were 2.1% and 1.1% respectively at the All India level.

#### B. Establishments by Size -Class of Total Employment

Indian agricultural establishments have their employment in the range 1-5 for about 98.6% establishments whereas the establishments employing less than 10 workers is about 99.64% of the total of establishments (Table 1.10). The details of distribution of establishments in various employment class and by Broad activity is as below:

#### C. Inter-State Comparison

State/UT-wise distribution of agricultural establishments by their type and location has been given in Tables 1.11(A) and 1.11(B). It is revealed that Gujarat had the maximum number of agricultural establishments (1.75 million) constituting 13.36% of all agricultural establishments in the country. It is followed by Tamil Nadu (13.31%), Maharashtra (12.12%), Andhra Pradesh (11.13%) and Uttar Pradesh (11.01%), For the number own account establishments under agricultural establishments, the maximum share was in Gujarat (13.28%), followed by Maharashtra (12.8%) and Tamil Nadu (11.69%). However in case of agricultural establishments with at least one hired worker, the maximum number was found in the state of Tamil Nadu constituting 27.97% followed by Gujarat (14.09%) and Andhra Pradesh (8.58%).

Considering the establishments wise break up of agricultural establishments, in rural areas maximum number of agricultural establishments was located in Gujarat (1.68 million) whereas Kerala had the highest number of agricultural establishments (0.3 million) in urban areas. Among the broad activities constituting the agricultural establishments (Tables 1.12 (A) & (B)), Uttar Pradesh with 18.69% (0.12 million) of total establishments engaged in activities relating to agriculture other than crop production & plantation was at the top followed by Maharashtra 13.4%(0.08 million) and Karnataka 10.87% (0.07 million). Majority of agricultural establishments were engaged in livestock with Gujarat at the top among the States/UTs with 1.68 million (14.75%) establishments engaged in livestock followed by Tamil Nadu 1.64 million (14.13%) and Maharashtra 1.46 million (12.85%). Out of the total 0.62 million establishments engaged in forestry and logging, the top

three States in terms of number of establishments were Chhattisgarh (34.42%), Odisha (30.82%) and Andhra Pradesh (8.44%).

A total of about 0.5 million establishments were engaged in fishery and aquaculture. Andhra Pradesh with about 0.12 million (23.32%) was at the top followed by West Bengal (14.38%) and Kerala (11.19%).

### CONCLUSIONS

1. The share of establishments engaged in livestock in rural India was 87.12% followed by agriculture other than crop production & plantation (4.89%), forestry and logging (4.79%) and fishing and aquaculture (3.20%).
2. Thus distribution in case of urban India was livestock (82.35%) followed by fishing and aquaculture (10.53%), agriculture other than crop production & plantation (4.81%) and forestry and logging (2.31%).
3. At all India level an average employment of 1.74 persons per establishment was observed for both the rural and the urban areas in agricultural establishments. For own account establishments this average was 1.6 persons per establishment and for establishments with at least one hired worker it was 3.07 persons per establishment.
4. At the all India level, livestock accounted for the majority of establishments under agricultural establishments with 11.39 million establishments employing about 19.42 million workers with an average employment of 1.70 persons per establishment.
5. It is observed that bulk 12.85 million (97.88%) of

agricultural establishments were under Private Proprietary Ownership which accounted for about 22.17 million (96.87%) workers at the all India level. A total of 11.37 million establishments of the agricultural establishments were self-financed with a concentration of 91.89% in the rural areas. It is revealed that Gujarat had the maximum number of agricultural establishments (1.75 million) constituting 13.36% of all agricultural establishments in the country. It is followed by Tamil Nadu (13.31%), Maharashtra (12.12%), Andhra Pradesh (11.13%) and Uttar Pradesh (11.01%)

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**Table 1.1:** Distribution of Agricultural Establishments and Employment therein: All India

Sl. No.	Item	Rural		Urban		Combined
		Number	%	Number	%	Number
1	<b>Own Account Establishments</b>					
	a) Establishment	1,09,54,165	92.6	8,75,117	7.4	1,18,29,282
	<b>b) Employment</b>					
	i) Total	1,76,20,359	93.3	12,61,339	6.7	1,88,81,698
		(1.61)		(1.44)		(1.60)
ii) Female	71,31,044	93.0	5,35,496	7.0	76,91,797	
2	<b>Establishments with at least one hired worker</b>					
	a) Establishment	11,31,044	86.9	1,71,247	13.1	13,02,291
	<b>b) Employment</b>					
	i) Total	34,36,961	85.9	5,63,842	14.1	40,00,803
		(3.04)		(3.29)		(3.07)
ii) Female	10,76,645	89.8	1,22,131	10.2	11,98,776	
3	<b>All Establishments</b>					
	a) Establishment	1,20,85,209	92.0	10,46,364	8.0	1,31,31,573
	<b>b) Employment</b>					
	i) Total	2,10,57,320	92.0	18,25,181	8.0	2,28,82,501
		(1.74)		(1.74)		(1.74)
	ii) Hired	20,51,459	85.08	3,59,717	4.92	24,11,176
		((9.74))		((19.7))		((10.54))
iii) Female	82,32,946	92.6	6,57,627	7.4	88,90,573	
	((39.1))		((36.03))		((38.85))	

**Table 1.2:** Establishments and Employment in Agricultural Establishments by Broad Activity Classification.

Number of establishments						
Sector	Type of Establishment	Activities relating to agriculture other than crop production & plantation	Livestock	Forestry and Logging	Fishing and aqua culture	Total
Rural	Without Hired Workers	442819	9630550	542477	338319	10954165
		(74.90)	(91.47)	(93.81)	(87.39)	(90.64)
	With at least One Hired Worker	148358	898069	35803	48814	1131044
		(25.10)	(8.53)	(6.19)	(12.61)	(9.36)
<b>Total</b>		<b>591177</b>	<b>10528619</b>	<b>578280</b>	<b>387133</b>	<b>12085209</b>
		<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>
Urban	Without Hired Workers	31225	738186	16313	89393	875117
		(62.08)	(85.67)	(67.45)	(81.14)	(83.63)
	With at least One Hired Worker	19077	123521	7874	20775	171247
		(37.92)	(14.33)	(32.55)	(18.86)	(16.37)
<b>Total</b>		<b>50302</b>	<b>861707</b>	<b>24187</b>	<b>110168</b>	<b>1046364</b>
		<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>
Combined	Without Hired Workers	474044	10368736	558790	427712	11829282
		(73.90)	(91.03)	(92.75)	(86.01)	(90.08)
	With at least One Hired Worker	167435	1021590	43677	69589	1302291
		(26.10)	(8.97)	(7.25)	(13.99)	(9.92)
<b>Total</b>		<b>641479</b>	<b>11390326</b>	<b>602467</b>	<b>497301</b>	<b>13131573</b>
		<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>

Number of workers							
Sector	Type of Establishment	Activities relating to agriculture other than crop production & plantation	Livestock	Forestry and Logging	Fishing and aqua culture	Total	
Rural	Without Hired Workers	639306	15452474	1057948	470631	17620359	
		(51.97)	(85.91)	(90.63)	(70.00)	(83.68)	
	With at least One Hired Worker	590880	2534976	109423	201682	3436961	
		(48.03)	(14.09)	(9.37)	(30.00)	(16.32)	
	<b>Total</b>		<b>1230186</b>	<b>17987450</b>	<b>1167371</b>	<b>672313</b>	<b>21057320</b>
			<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>
Urban	Without Hired Workers	44135	1075424	23440	118340	1261339	
		(33.58)	(75.15)	(40.81)	(57.64)	(69.11)	
	With at least One Hired Worker	87307	355568	33998	86969	563842	
		(66.42)	(24.85)	(59.19)	(42.36)	(30.89)	
	<b>Total</b>		<b>131442</b>	<b>1430992</b>	<b>57438</b>	<b>205309</b>	<b>1825181</b>
			<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>
Combined	Without Hired Workers	683441	16527898	1081388	588971	18881698	
		(50.19)	(85.11)	(88.29)	(67.11)	(82.52)	
	With at least One Hired Worker	678187	2890544	143421	288651	4000803	
		(49.81)	(14.89)	(11.71)	(32.89)	(17.48)	
	<b>Total</b>		<b>1361628</b>	<b>19418442</b>	<b>1224809</b>	<b>877622</b>	<b>22882501</b>
			<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>

Table 1.3: Distribution of Agricultural Establishments and Employment therein by type of ownership

Type of ownership	Number of establishments			Number of workers		
	Rural	Urban	Combined	Rural	Urban	Combined
Govt./PSU	40317	5173	45490	85528	26297	111825
	(0.33)	(0.49)	(0.35)	(0.4)	(1.44)	(0.49)
<b>PRIVATE</b>						
Proprietary	11834222	1019286	12853508	20437388	1729873	22167261
	(97.92)	(97.41)	(97.88)	(97.05)	(94.78)	(96.87)
Partnership	16521	3280	19801	54571	16580	71151
	(0.14)	(0.31)	(0.15)	(0.26)	(0.9)	(0.31)
Company	3469	483	3952	29716	3946	33662
	(0.03)	(0.04)	(0.03)	(0.14)	(0.21)	(0.15)
Self Help Group(SHG)	9343	559	9902	58253	2192	60445
	(0.08)	(0.05)	(0.07)	(0.27)	(0.12)	(0.26)
Co-operative	5136	524	5660	14025	3553	17578
	(0.04)	(0.05)	(0.04)	(0.07)	(0.19)	(0.08)
Non-Profit Institution(NPI)	5352	914	6266	12199	3357	15556
	(0.04)	(0.08)	(0.05)	(0.06)	(0.18)	(0.07)
Others	170849	16145	186994	365640	39383	405023
	(1.41)	(1.54)	(1.42)	(1.74)	(2.16)	(1.77)
<b>Total</b>	<b>12085209</b>	<b>1046364</b>	<b>13131573</b>	<b>21057320</b>	<b>1825181</b>	<b>22882501</b>
	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>

**Table 1.4:** Establishments and employment in proprietary establishments by sex of the owner (Figures in absolute number)

Ownership	Number of establishments			Number of workers		
	Rural	Urban	Combined	Rural	Urban	Combined
Male Owners	9342670	707430	10050100	16709863	1311080	18020943
	(78.95)	(69.40)	(78.19)	(81.76)	(75.79)	(81.30)
Female Owners	2452819	308948	2761767	3641531	411819	4053350
	(20.73)	(30.31)	(21.49)	(17.82)	(23.81)	(18.29)
Other Owners	38733	2908	41641	85994	6974	92968
	(0.33)	(0.29)	(0.32)	(0.42)	(0.40)	(0.42)
<b>TOTAL</b>	<b>11834222</b>	<b>1019286</b>	<b>12853508</b>	<b>20437388</b>	<b>1729873</b>	<b>22167261</b>
	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>

**Table 1.5:** Establishments and employment in proprietary agricultural Establishments by sector and social group of the owner

Ownership	Number of establishments			Number of workers		
	Rural	Urban	Combined	Rural	Urban	Combined
SC	1453959	108168	1562127	2406131	177454	2583585
	(12.3)	(10.6)	(12.2)	(11.8)	(10.3)	(11.7)
ST	1060470	40310	1100780	1919009	70402	1989411
	(9.0)	(4.0)	(8.6)	(9.4)	(4.1)	(9.0)
OBC	5295029	560602	5855631	9214496	919367	10133863
	(44.7)	(55.0)	(45.6)	(45.1)	(53.1)	(45.7)
OTHERS	4024764	310206	4334970	6897752	562650	7460402
	(34.0)	(30.4)	(33.7)	(33.8)	(32.5)	(33.7)
<b>TOTAL</b>	<b>11834222</b>	<b>1019286</b>	<b>12853508</b>	<b>20437388</b>	<b>1729873</b>	<b>22167261</b>
	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>

**Table 1.6:** Establishments and employment in proprietary agricultural Establishments by sector and religion of the owner.

Ownership	Number of establishments			Number of workers		
	Rural	Urban	Combined	Rural	Urban	Combined
Hindu	9626092	730497	10356589	16650655	1247702	17898357
	(81.34)	(71.67)	(80.57)	(81.47)	(72.13)	(80.74)
Islam	753908	129634	883542	1272084	205571	1477655
	(6.37)	(12.72)	(6.87)	(6.22)	(11.88)	(6.67)
Christian	373844	79783	453627	578999	123353	702352
	(3.16)	(7.83)	(3.53)	(2.83)	(7.13)	(3.17)
Sikh	256946	13565	270511	458600	26959	485559
	(2.17)	(1.33)	(2.10)	(2.24)	(1.56)	(2.19)
Buddhist	34548	2243	36791	54144	3485	57629
	(0.29)	(0.22)	(0.29)	(0.26)	(0.20)	(0.26)
Parsi	1867	133	2000	3122	300	3422
	(0.02)	(0.01)	(0.02)	(0.02)	(0.02)	(0.02)
Jain	41465	3084	44549	70379	5957	76336
	(0.35)	0.30	(0.35)	0.34	0.34	(0.34)
Others	745552	60347	805899	1349405	116546	1465951
	(6.30)	(5.92)	(6.27)	(6.60)	(6.74)	(6.61)

**Table 1.7:** Distribution of agricultural establishments and employment therein by sector and nature of operation

Nature of operation	Number of establishments			Number of workers		
	Rural	Urban	Combined	Rural	Urban	Combined
Perennial	10257104	964868	11221972	17743088	1690185	19433273
	(84.9)	(92.2)	(85.5)	(84.3)	(92.6)	(84.9)
Seasonal	1647590	65051	1712641	3026145	113503	3139648
	(13.6)	(6.2)	(13.0)	(14.4)	(6.2)	(13.7)
Casual	180515	16445	196960	288087	21493	309580
	(1.5)	(1.6)	(1.5)	(1.4)	(1.2)	(1.4)
<b>Total</b>	<b>12085209</b>	<b>1046364</b>	<b>13131573</b>	<b>21057320</b>	<b>1825181</b>	<b>22882501</b>
	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>

**Table 1.8:** Distribution of agricultural establishments by sector and premises status

Premises status	Number of establishments				
	Rural	% share	Urban	% share	Combined
Outside HH with fixed structure	1572906	89.84	177855	10.16	1750761
	(13.02)		(17.0)		(13.33)
Outside HH without fixed structure	2211957	91.42	207729	8.58	2419686
	(18.3)		(19.85)		(18.43)
Inside HH	8300346	92.63	660780	7.37	8961126
	(68.68)		(63.15)		(68.24)
<b>Total</b>	<b>12085209</b>	<b>92.03</b>	<b>1046364</b>	<b>7.97</b>	<b>13131573</b>
	<b>(100)</b>		<b>(100)</b>		<b>(100)</b>

**Table 1.9:** Distribution of Agricultural Establishments by Establishments and Major Source of Finance

Major Source of Finance	Number of establishments				
	Rural	% Share	Urban	% Share	Combine d
Self-finance	10454167	91.89	922468	8.11	11376635
	(86.5)		(88.2)		(86.6)
Financial Assistance from Govt. sources	259294	93.5	18024	6.5	277318
	(2.1)		(1.7)		(2.1)
Borrowing from financial institutions	130690	92.52	10566	7.48	141256
	(1.1)		(1.0)		(1.1)
Borrowing from Non-institutions / Money Lenders	58218	88.82	7326	11.18	65544
	(0.5)		(0.7)		(0.5)
Loan from Self Help Group	81273	95.12	4171	4.88	85444
	(0.7)		(0.4)		(0.7)
Donations / Transfers from other agencies	1101567	92.93	83809	7.07	1185376
	(9.1)		(8.0)		(9.0)
<b>TOTAL</b>	<b>12085209</b>	<b>92.03</b>	<b>1046364</b>	<b>7.97</b>	<b>13131573</b>
	<b>(100)</b>		<b>(100)</b>		<b>(100)</b>

**Table 1.10:** Broad Activity wise distribution of agricultural establishments in different employment class.

Broad Activity	1 - 5	6-9	10-14	15-19	20-24	25-29	30-99	100-199	200-499	500 or more	All Classes
Activities relating to agriculture other than crop production & plantation	606642	29798	2454	707	583	268	869	83	56	19	641479
	(4.69)	(21.81)	(7.53)	(23.10)	(17.86)	(35.26)	(11.46)	(26.35)	(49.12)	(35.19)	(4.89)
Livestock	11265421	86214	27722	1924	2370	349	6076	188	34	28	11390326
	(87.01)	(63.09)	(85.01)	(62.88)	(72.59)	(45.92)	(80.14)	(59.68)	(29.82)	(51.85)	(86.74)
Forestry and Logging	592225	9156	586	135	116	50	159	27	12	1	602467
	(4.57)	(6.70)	(1.80)	(4.41)	(3.55)	(6.58)	(2.10)	(8.57)	(10.53)	(1.85)	(4.59)
Fishing and aqua culture	482873	11484	1848	294	196	93	478	17	12	6	497301
	(3.73)	(8.40)	(5.67)	(9.61)	(6.00)	(12.24)	(6.30)	(5.40)	(10.53)	(11.11)	(3.79)
<b>Agricultural Activities</b>	<b>12947161</b>	<b>136652</b>	<b>32610</b>	<b>3060</b>	<b>3265</b>	<b>760</b>	<b>7582</b>	<b>315</b>	<b>114</b>	<b>54</b>	<b>13131573</b>
	<b>(100.0)</b>	<b>(100.0)</b>	<b>(100.0)</b>	<b>(100.0)</b>	<b>(100.0)</b>	<b>(100.0)</b>	<b>(100.0)</b>	<b>(100.0)</b>	<b>(100.0)</b>	<b>(100.0)</b>	<b>(100.0)</b>
%	<b>((98.6))</b>	<b>((1.04))</b>	<b>((0.25))</b>	<b>((0.02))</b>	<b>((0.02))</b>	<b>((0.006))</b>	<b>((0.06))</b>	<b>((0.002))</b>	<b>((0.0))</b>	<b>((0.0))</b>	

**Note:** i) Figures in brackets are percentage to all establishments in their respective category

ii) Figures in double brackets are percentage to total establishments

iii) Percentage total may not tally due to rounding off



Table 1.11 (A): State/UT wise distribution of Agricultural establishments by sector and type of establishment

State/UT	Rural			Urban			Combined		
	Without Hired Workers	With at least One Hired Worker	Total	Without Hired Workers	With at least One Hired Worker	Total	Without Hired Workers	With at least One Hired Worker	Total
Jammu & Kashmir	11479	1914	13393	2539	698	3237	14018	2612	16630
Himachal Pradesh	30033	771	30804	1199	53	1252	31232	824	32056
Punjab	207362	50031	257393	13382	6687	20069	220744	56718	277462
Chandigarh	327	61	388	699	128	827	1026	189	1215
Uttarakhand	38214	2897	41111	3418	473	3891	41632	3370	45002
Haryana	222223	14650	236873	14150	3210	17360	236373	17860	254233
Delhi	825	319	1144	3560	2304	5864	4385	2623	7008
Rajasthan	562740	35568	598308	22684	3202	25886	585424	38770	624194
Uttar Pradesh	1273864	93338	1367202	61794	16341	78135	1335658	109679	1445337
Bihar	64597	12541	77138	6015	2175	8190	70612	14716	85328
Sikkim	3976	116	4092	248	13	261	4224	129	4353
Arunachal Pradesh	161	74	235	32	53	85	193	127	320
Nagaland	1180	259	1439	154	31	185	1334	290	1624
Manipur	24080	1421	25501	4087	365	4452	28167	1786	29953
Mizoram	2224	1243	3467	6812	1752	8564	9036	2995	12031
Tripura	16615	553	17168	2390	239	2629	19005	792	19797
Meghalaya	4924	1685	6609	593	144	737	5517	1829	7346
Assam	184299	22959	207258	13698	2076	15774	197997	25035	223032
West Bengal	552106	29623	581729	46594	7513	54107	598700	37136	635836
Jharkhand	15619	15523	31142	2126	1558	3684	17745	17081	34826
Odisha	332289	23373	355662	17424	2600	20024	349713	25973	375686
Chhattisgarh	202288	12711	214999	4052	1381	5433	206340	14092	220432
Madhya Pradesh	144952	34016	178968	11922	3219	15141	156874	37235	194109
Gujarat	1513607	170029	1683636	57341	13488	70829	1570948	183517	1754465
Daman & Diu	15	421	436	190	158	348	205	579	784
D & N Haveli	1	1	2	32	55	87	33	56	89
Maharashtra	1454537	68313	1522850	59044	9867	68911	1513581	78180	1591761
Karnataka	589437	78954	668391	17414	5883	23297	606851	84837	691688
Goa	2836	293	3129	2226	364	2590	5062	657	5719
Lakshadweep	7	77	84	116	102	218	123	179	302
Kerala	670373	20841	691214	287943	11762	299705	958316	32603	990919
Tamil Nadu	1227862	302678	1530540	155150	61515	216665	1383012	364193	1747205
Puducherry	3303	664	3967	1905	981	2886	5208	1645	6853
A & N islands	4085	387	4472	627	54	681	4712	441	5153
Telangana	287646	29231	316877	7933	2549	10482	295579	31780	327359
Andhra Pradesh	1304079	103509	1407588	45624	8254	53878	1349703	111763	1461466
All India	10954165	1131044	12085209	875117	171247	1046364	11829282	1302291	13131573

Table 1.11 (B): State/UT wise percentage distribution of Agricultural establishments by sector and type of establishment

State/UT	Rural			Urban			Combined		
	Without Hired Workers	With at least One Hired Worker	Total	Without Hired Workers	With at least One Hired Worker	Total	Without Hired Workers	With at least One Hired Worker	Total
Jammu & Kashmir	0.10	0.17	0.11	0.29	0.41	0.31	0.12	0.20	0.13
Himachal Pradesh	0.27	0.07	0.25	0.14	0.03	0.12	0.26	0.06	0.24
Punjab	1.89	4.42	2.13	1.53	3.90	1.92	1.87	4.36	2.11
Chandigarh	0.00	0.01	0.00	0.08	0.07	0.08	0.01	0.01	0.01
Uttarakhand	0.35	0.26	0.34	0.39	0.28	0.37	0.35	0.26	0.34
Haryana	2.03	1.30	1.96	1.62	1.87	1.66	2.00	1.37	1.94
Delhi	0.01	0.03	0.01	0.41	1.35	0.56	0.04	0.20	0.05
Rajasthan	5.14	3.14	4.95	2.59	1.87	2.47	4.95	2.98	4.75
Uttar Pradesh	11.63	8.25	11.31	7.06	9.54	7.47	11.29	8.42	11.01
Bihar	0.59	1.11	0.64	0.69	1.27	0.78	0.60	1.13	0.65
Sikkim	0.04	0.01	0.03	0.03	0.01	0.02	0.04	0.01	0.03
Arunachal Pradesh	0.00	0.01	0.00	0.00	0.03	0.01	0.00	0.01	0.00
Nagaland	0.01	0.02	0.01	0.02	0.02	0.02	0.01	0.02	0.01
Manipur	0.22	0.13	0.21	0.47	0.21	0.43	0.24	0.14	0.23
Mizoram	0.02	0.11	0.03	0.78	1.02	0.82	0.08	0.23	0.09
Tripura	0.15	0.05	0.14	0.27	0.14	0.25	0.16	0.06	0.15
Meghalaya	0.04	0.15	0.05	0.07	0.08	0.07	0.05	0.14	0.06
Assam	1.68	2.03	1.71	1.57	1.21	1.51	1.67	1.92	1.70
West Bengal	5.04	2.62	4.81	5.32	4.39	5.17	5.06	2.85	4.84
Jharkhand	0.14	1.37	0.26	0.24	0.91	0.35	0.15	1.31	0.27
Odisha	3.03	2.07	2.94	1.99	1.52	1.91	2.96	1.99	2.86
Chhattisgarh	1.85	1.12	1.78	0.46	0.81	0.52	1.74	1.08	1.68
Madhya Pradesh	1.32	3.01	1.48	1.36	1.88	1.45	1.33	2.86	1.48
Gujarat	13.82	15.03	13.93	6.55	7.88	6.77	13.28	14.09	13.36
Daman & Diu	0.00	0.04	0.00	0.02	0.09	0.03	0.00	0.04	0.01
D & N Haveli	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	0.00
Maharashtra	13.28	6.04	12.60	6.75	5.76	6.59	12.80	6.00	12.12
Karnataka	5.38	6.98	5.53	1.99	3.44	2.23	5.13	6.51	5.27
Goa	0.03	0.03	0.03	0.25	0.21	0.25	0.04	0.05	0.04
Lakshadweep	0.00	0.01	0.00	0.01	0.06	0.02	0.00	0.01	0.00
Kerala	6.12	1.84	5.72	32.90	6.87	28.64	8.10	2.50	7.55
Tamil Nadu	11.21	26.76	12.66	17.73	35.92	20.71	11.69	27.97	13.31
Puducherry	0.03	0.06	0.03	0.22	0.57	0.28	0.04	0.13	0.05
A & N islands	0.04	0.03	0.04	0.07	0.03	0.07	0.04	0.03	0.04
Telangana	2.63	2.58	2.62	0.91	1.49	1.00	2.50	2.44	2.49
Andhra Pradesh	11.90	9.15	11.65	5.21	4.82	5.15	11.41	8.58	11.13
<b>All India</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Table 1.12(A): State/UT wise distribution of Agricultural Establishments by Broad Activity

State/UT	Activities relating to agriculture other than crop production & plantation	Livestock	Forestry and Logging	Fishing and aqua culture	TOTAL
Jammu & Kashmir	945	14227	478	980	16630
Himachal Pradesh	1442	28776	578	1260	32056
Punjab	13152	261449	2570	291	277462
Chandigarh	5	1192	9	9	1215
Uttarakhand	952	43146	744	160	45002
Haryana	13669	240016	356	192	254233
Delhi	235	6625	100	48	7008
Rajasthan	36471	582484	4759	480	624194
Uttar Pradesh	119903	1311875	4965	8594	1445337
Bihar	6953	70759	3588	4028	85328
Sikkim	24	4241	86	2	4353
Arunachal Pradesh	28	231	45	16	320
Nagaland	65	1023	410	126	1624
Manipur	1953	12768	4176	11056	29953
Mizoram	12	11987	14	18	12031
Tripura	692	14566	2121	2418	19797
Meghalaya	410	5360	1032	544	7346
Assam	29982	127483	14470	51097	223032
West Bengal	43214	505896	15210	71516	635836
Jharkhand	8990	23858	1454	524	34826
Odisha	9216	130111	185677	50682	375686
Chhattisgarh	1901	9872	207350	1309	220432
Madhya Pradesh	21224	151010	17372	4503	194109
Gujarat	51043	1680089	8885	14448	1754465
Daman & Diu	3	8	0	773	784
D & N Haveli	44	44	1	0	89
Maharashtra	85972	1464056	7200	34533	1591761
Karnataka	69748	612227	3520	6193	691688
Goa	63	2014	1	3641	5719
Lakshadweep	6	45	0	251	302
Kerala	8341	921338	5608	55632	990919
Tamil Nadu	51577	1643870	15277	36481	1747205
Puducherry	220	3836	33	2764	6853
A & N islands	3032	323	39	1759	5153
Telangana	28360	240470	43505	15024	327359
Andhra Pradesh	31632	1263051	50834	115949	1461466
<b>All India</b>	<b>641479</b>	<b>11390326</b>	<b>602467</b>	<b>497301</b>	<b>13131573</b>

Table 1.12(B): State/UT wise percentage distribution of Agricultural Establishments by Broad Activity

State/UT	Activities relating to agriculture other than crop production & plantation	Livestock	Forestry and Logging	Fishing and aqua culture	TOTAL
Jammu & Kashmir	0.15	0.12	0.08	0.20	0.13
Himachal Pradesh	0.22	0.25	0.10	0.25	0.24
Punjab	2.05	2.30	0.43	0.06	2.11
Chandigarh	0.00	0.01	0.00	0.00	0.01
Uttarakhand	0.15	0.38	0.12	0.03	0.34
Haryana	2.13	2.11	0.06	0.04	1.94
Delhi	0.04	0.06	0.02	0.01	0.05
Rajasthan	5.69	5.11	0.79	0.10	4.75
Uttar Pradesh	18.69	11.52	0.82	1.73	11.01
Bihar	1.08	0.62	0.60	0.81	0.65
Sikkim	0.00	0.04	0.01	0.00	0.03
Arunachal Pradesh	0.00	0.00	0.01	0.00	0.00
Nagaland	0.01	0.01	0.07	0.03	0.01
Manipur	0.30	0.11	0.69	2.22	0.23
Mizoram	0.00	0.11	0.00	0.00	0.09
Tripura	0.11	0.13	0.35	0.49	0.15
Meghalaya	0.06	0.05	0.17	0.11	0.06
Assam	4.67	1.12	2.40	10.27	1.70
West Bengal	6.74	4.44	2.52	14.38	4.84
Jharkhand	1.40	0.21	0.24	0.11	0.27
Odisha	1.44	1.14	30.82	10.19	2.86
Chhattisgarh	0.30	0.09	34.42	0.26	1.68
Madhya Pradesh	3.31	1.33	2.88	0.91	1.48
Gujarat	7.96	14.75	1.47	2.91	13.36
Daman & Diu	0.00	0.00	0.00	0.16	0.01
D & N Haveli	0.01	0.00	0.00	0.00	0.00
Maharashtra	13.40	12.85	1.20	6.94	12.12
Karnataka	10.87	5.37	0.58	1.25	5.27
Goa	0.01	0.02	0.00	0.73	0.04
Lakshadweep	0.00	0.00	0.00	0.05	0.00
Kerala	1.30	8.09	0.93	11.19	7.55
Tamil Nadu	8.04	14.43	2.54	7.34	13.31
Puducherry	0.03	0.03	0.01	0.56	0.05
A & N islands	0.47	0.00	0.01	0.35	0.04
Telangana	4.42	2.11	7.22	3.02	2.49
Andhra Pradesh	4.93	11.09	8.44	23.32	11.13
<b>All India</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>