APPENDIX
Title

"ROLE OF CO-OPERATIVE DAIRY ENTERPRISE IN THE RURAL DEVELOPMENT THROUGH PARTICIPATION OF WOMEN IN JHANSI DISTT. OF BUNDELKHAND REGION OF U. P."

(AN ECONOMIC ANALYSIS)

Ph.D. (Research scholar)
Miss Jyoti Yadav

SCHEDULE QUESTIONNAIRES

[A] General information about surveyed village

1. Name of village
2. Post office
3. Block
4. Tehsil
5. District
6. Village attached to Kachcha/Pacca road
7. Transportation facility-Train/Bus/Tonga/Auto/Ricksha
8. Education-Primary J.H./High School / Inter College/ Degree College
9. Co-operative dairy
10. Banking facility
11. S.T.D. /P.C.O.
12. Nearest Railway station
13. Police station
[B] General information of the household

1. Name of head of the family
2. Father’s name
3. Economic category-
   a- Marginal farmer - (0-1 ha.)
   b- Small farmer- (1-2 ha.)
   c- Medium farmer- (2-4 ha.)
   d- Large farmer - (< 4 ha.)
4. Social category-

<table>
<thead>
<tr>
<th>O.B.C.</th>
<th>Gen</th>
<th>SC/ST</th>
</tr>
</thead>
</table>

[C] Operational Holding

1. Climate condition.
2. Area owned (ha.).
3. Area leased in (ha.).
4. Area leased out (ha.).
5. Total cultivated area (ha.).
6. Total irrigate area (ha.).
7. Total unirrigate area (ha.).
8. Source of irrigation.

[D] Nature & extent of milch animal
<table>
<thead>
<tr>
<th>Breed</th>
<th>No.</th>
<th>Value in Rs.</th>
<th>Owned produced</th>
<th>Purchased</th>
<th>Source of Finance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buffalo</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cow</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Goat</td>
<td></td>
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<tr>
<td>Total</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

[E] **Family Composition**

Family-joint ( )/ Nucleus ( )

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Particulars name of the members</th>
<th>Age</th>
<th>Relation with the head</th>
<th>Sex</th>
<th>Economic Status</th>
<th>Martial Status M/U/W /X</th>
<th>Educational status</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Current Status</td>
<td>Usual Status</td>
<td></td>
</tr>
</tbody>
</table>

[F] **Farm Inventory**
a: Assets

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Expected Value in (Rs.)</th>
<th>Future Life</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Building</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Livestock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Implement of machinery at farm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Farm Building</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

b: Current Assets

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Amount (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash in hand</td>
<td></td>
</tr>
<tr>
<td>Cash in bank</td>
<td></td>
</tr>
<tr>
<td>Cash in P.Q.</td>
<td></td>
</tr>
<tr>
<td>L.I.C. Premium paid</td>
<td></td>
</tr>
<tr>
<td>Money given to others</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
</tr>
</tbody>
</table>

[G] Liabilities

1: Rent to be paid
2: Water change to paid
3: Interest of credit to be paid
4: Revenue to be paid

[H] **Milk sold through which channel**

1: Milk man → Vender → Consumer
2: Milk man → Hallway → Consumer
3: Milk man → Consumer
4: Milk man → Cooperative society → Consumer
5: Producer → Vender → Coop. Society → Consumer

[I] **Production of milk (Month wise)**

<table>
<thead>
<tr>
<th>Month</th>
<th>Total Production of milk</th>
<th>Family requirement</th>
<th>Milk sold during the months</th>
<th>Amount Received</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Litr</td>
<td>Litr</td>
<td>Quantity</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Price</td>
<td>Price</td>
<td>Litr</td>
<td>Price</td>
</tr>
<tr>
<td>January</td>
<td></td>
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</tr>
<tr>
<td>February</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>March</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>April</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>May</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>June</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Particular</td>
<td>Yes/No</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>---------------------</td>
<td>--------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Milking</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Feeding</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grazing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Breeding</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water drinking</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cleaning</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supervision</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maintenance of cattle shed</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dung</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arrangement</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**[J] Participation of women in Dairy enterprise**
[K] **Maintenance cost per milch animal**

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Unit</th>
<th>Rate</th>
<th>Cost in (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>[A] Fixed cost</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a: Building (area sq.m. for Buffaloes &amp; Calves</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b: Buffaloes price</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c: Equipment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1: Chaff cutter</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2: Milk cam* &amp; paid</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3: Others</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interest</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depreciation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Repair &amp; Maintenance</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Quantity</th>
<th>Rate</th>
<th>Cost in (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>[B] Variable cost</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a: Dry fodder</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1: Bhusa</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2: Others</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
b: Green fodder
1: Berseem
2: Grass
c: Concentrate
d: Medicines & Minerals

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Unit</th>
<th>Rate/labour</th>
<th>Cost in (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>[C] Human Labour</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1: Family Labour</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2: Hired Labour</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3: Others</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Gross Cost (A+B+C)

<table>
<thead>
<tr>
<th>Dung</th>
<th>Wt. (q)/unit</th>
<th>Rate</th>
<th>Cost (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>[E] Young Stock</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Net cost (A+B+C) - D+E
[L] **Cropping Pattern**

<table>
<thead>
<tr>
<th>Crops</th>
<th>Area (H.)</th>
<th>Total Production (Q)</th>
<th>Total Value (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Kharif</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Rabi</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Zarid</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[M] **Source of dairy finance**

<table>
<thead>
<tr>
<th>Source of finance</th>
<th>Amount (Rs.)</th>
<th>Productive purpose Amount purchase</th>
<th>Non-pro. Purpose Amount purchase (Rs.)</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>a] Institutional</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Cooperative bank</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Commercial bank</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Government scheme</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[b] Non Institutional</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Ag. Money lender</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
2. Prof. Money lender
3. Traders or commission
4. Landlord
5. Relative
6. Others

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Assets particular</th>
<th>Retained for seed</th>
<th>Sold (Q)</th>
<th>Consumption</th>
<th>Rate (Q)</th>
<th>Total Production</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Food grain</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Pulses</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Oilseeds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Others</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

[N] Marketable Surplus
[O] Constrainfpsfaced in Dairy enterprise

(A) Breeding -

- You prefer improved breed: Yes/No
- From where dairy men purchase improved breed: Yes/No
- Availability of breed: Yes/No
- Availability of breed is costlier: Yes/No
- Breed management is difficult: Yes/No

If you then what problem faced by the people
- Artificial insemination centers are available for service: Yes/No
- Improves varieties are mane susceptible to disease: Yes/No

(B) Feeding -

- Availability of feed to animal: Home Produced/Purchased
- If purchased at appropriate price: Yes/No
- Availability of green fodder in Kharif season: Sufficient/Deficient
- Availability of green fodder in Rabi season: Sufficient/Deficient
- Availability of green fodder in Zarih season: Sufficient/Deficient

- How much own feed
- How much feed purchased (q.m.) @ Rs./Quintal: Yes/No
- Do you have knowledge of balanced ration?
- How many times you give the fodder to the animal: Once/Twice/Thrice

(C) Management -

- Availability of drinking water to animals in summer season: Sufficient/Deficient
- Availability of drinking water to animals in winter season: Sufficient/Deficient
How many times you drink the water to the animals? Once/Twice /Thrice
Appropriate cattle shed is availability to the animal Yes/No
Have you prefer daily/weekly/monthly bathing to animal Yes/No
Have you sufficient amount of found to maintenance of the animal Yes/No
Marketing of the milk & milk products through which agency? 

How many months milch animal remains dry? 

❖ **Availability of Medicare to animal -**

Location and distance of the vet nary hospital from the village
Visit of vet nary staff to the village
Monthly/Seasonally/Never why? Vaccination provided by and govt. agency Yes/No
You prefer the injection to the milch animal Yes/No
Calf of the buffaloes remains live Yes/No
Condition of the cattle shed Yes/No

❖ **Suggestion made by Dairy enterprneurs to make the Dairy business successful**

I
II
III
IV
V
List of important cattle and buffalo farms in India

KANKREJ

1. Bidda, Pinjrapole & Gaushala, Mandvi, Dis. Kutch (Gujarat)
2. Bochasaniwasi Shree Akshar Purushotam Gaushala Trust, P.O. Bochasan, Dist. Kheda (Gujarat)
3. Cattle Breeding Farm, Bhuj, Dist. Kutch (Gujarat)
4. Cattle Breeding Farm, Mandi, Dist. Surat (Gujarat)
5. Cattle Breeding Farm, Thara, Dist. Banskatha (Gujarat)
6. Livestock Research Station, Dantiwada Campus, Sardar Krushinagar, Gujarat Agricultural University (Gujarat)
7. Mansa Gaushala Trust, Mansa, Dis. Mehsana (Gujarat)
8. Sabarmati Ashram Gaushala, Bidaj Farm P.O. Lali, Dist. Khera (Gujarat)
9. BAIF – Magazari Farm, Tal Sansad, Dist. Ahmedabad (Gujarat)

THARPARKAR

1. Government Livestock Farm, Hisar (Haryana)
2. Central Cattle Breeding Farm (GOI), Suratgarh (Rajasthan)
3. Cattle Breeding Farm, Chandan, Dist. Jaisalmer (Rajasthan)
4. Cattle Breeding Farm, Bharari, Jhansi (U.P.)
5. Cattle Breeding Farm, Pohara, Dist. Amravati (Maharashtra)
6. Cattle Breeding Farm, Yeotmla (Maharashtra)
7. Government Livestock Farm, Mamnnoor, Dist. Warangal (A.P.)
8. Cattle Breeding Farm, Chettinad Dist. Madurai (T.N.)
9. Cattle Breeding Farm, Purnia (Bihar)

HARIANA

1. Cattle Breeding Farm, Kumber, Dist. Bharatpur (Rajasthan)
2. Government Livestock Farm, Hisar (Haryana)
3. Sri Gaushala Society (Regd.) Panipat (Haryana)
4. Cattle Breeding Farm, Bahadurgarh, Dist. Meerut (U.P.)
5. Cattle Breeding Farm, Babugarh, Dist. Ghaziabad (U.P.)
6. Cattle Breeding Farm, Bharrari, Jhansi, (U.P.)
7. Cattle Breeding Farm, Hastinapur, Dist. Meerut (U.P.)
8. Cattle Breeding Farm, Niblett – Barabani (U.P.)
9. Cattle Breeding Farm, Nilgaon – Sitapur (U.P.)
10. Cattle Breeding Farm, Saidpur – Lalitpur (U.P.)
11. Cattle Breeding Farm, Kopargaon, Dist. Ahmednagar (A.P.)
12. Cattle Breeding Farm, Nagpur (M.S.)
13. Livestock Farm, Barpeta, Dist. Kamrup (Assam)
14. Livestock Farm, Khanikar, P.O. Sessa, Dist. Dibrugarh (Assam)
15. Livestock Farm, Manja Lumbajang (Assam)
16. Livestock Farm, Guwahati (Assam)
17. Livestock Farm, Pachmiles, Napam, Dist. Darrang (Assam)
18. Cattle Breeding Farm, Dumraon (Bihar)
19. Cattle Breeding Farm, Sarakala, Ranchi (Jharkhand)
20. Shree Gaushala, Bhagalpur (Bihar)
21. Cattle Breeding Farm, Imlikhera, Dist. Chhindwara (M.P.)
22. Cattle Breeding Farm, Kiratpur, Dist. Hansi (M.P.)
23. Cattle Breeding Farm, Minora, P.O. Kundeshwar, Dist. Tikamgarh (M.P.)
24. Cattle Breeding Farm, Pakaria, P.O. Bendra Road, Dist. Bilaspur (M.P.)
25. Cattle Breeding Farm, Boudh, Dist. Phulbani (Orissa)
26. Cattle Breeding Farm, Keonjhar (Orissa)
27. Satguru Sewa Singh Farm, Jiwannagar, Sirsa (Haryana)

NAGUARI

1. Cattle Breeding Farm, Nagour (Rajasthan)
ONGOLE

1. Cattle Breeding Farm, Banvasi, Dist. Kurnool (A.P.)
2. Cattle Breeding Farm, Kakinada Dist. East Godavari (A.P.)
3. Cattle Breeding Farm, Kampasagar, Dist. Nalgonda (A.P.)
4. Cattle Breeding Farm, Mahanandi Dist. Kurnool (A.P.)
5. Cattle Breeding Farm, Ramathirthan, Dist. Prakasam (A.P.)
6. Government Dairy Farm, Dist. Visakhapatnam (A.P.)
7. Cattle Breeding Farm, Andhra Pradesh Agricultural University, Lam, Dist. Guntur (A.P.)

RATHI

1. Cattle Breeding Farm, Nohar, Dist. Shree Ganga Nagar (Rajasthan)
2. K.N. College of Agricultural Dairy Farm, Jobner, Dist. Jaipur (Rajasthan)
3. Cattle Breeding Farm, Hingoli, Dist. Parbhani (M.S.)
4. Dairy Farm, Govind Ballabh Pant University of Agricultural and Technology, Pantnagar, Dist. Nainital (Uttaranchal)

GIR

1. Cattle Breeding Farm, Dag, Dist. Jhalawar (Rajasthan)
2. Cattle Breeding Farm, Rajkot (Gujarat)  
3. Cattle Breeding Farm, Junagarh (Gujarat)  
4. Lok Bharati Gaushala, G B Pant University of Agriculture and Technology, Pantnagar, Dist. Nainital (Uttaranchal)  
5. Bombay Pinjrapole Farms at Bhiwandi, Chembur, Lakhivli, Rita, Walsind, Mumbai (M.S.)  
6. Cattle Breeding Farm, Kopargaon, Dist. Ahemednagar (M.S.)  
7. Nasik Panchwati Pinjrapole, Panchwati, Nasik (M.S.)  
8. Pinjrapole Sanstha Sangh, Pet Bagh, Near Ganpati Temple, Sangh (M.S.)  
9. College of Veterinary Sciences, Jawaharlal Nehru Krishi Vishwa Vidyalaya, South Civil Lines, Jabalpur (M.P.)  
10. Kasturba Gandhi Memorial Trust Gaushala, Kasturbagram, Indore (M.P.)  
11. Cattle Breeding Farm, Kopardem, Sattari (Goa)  
12. Cattle Breeding Farm, Morvi, Dist. Rajkot (Gujarat)  
13. Sabarmati Ashram Gaushala, Bidaj Farm, P.O. Lali, Dist. Khera (Gujarat)  
14. Pinjrapole, Bhuleshwae, Mumbai (M.S.)  
15. BAIF-Magazari Farm, Tal Sansad, Dist. Ahmedabad (Gujarat)
1. Cattle Breeding Farm, Hingoli, Dist. Parbhani (M.S.)
2. Cattle Breeding Farm, Junoni, Dist. Solapur (M.S.)
3. Cattle Breeding Farm, Bankapur, Dist. Dharwad (Karnataka)

NIMARI

1. Cattle Breeding Farm, Bod, Dist. Amravati (M.S.)

RED SINDHI

1. Cattle Breeding Farm, Beli Charana, Jammu Cantt. (J. & K.)
2. Cattle Breeding Farm, Kalsi, Dehra Dun (Uttaranchal)
3. Cattle Breeding Farm, Dhat, Sanguem (Goa)
4. Cattle Breeding Farm, Koila Dist. Dakshina Kannada (Karnataka)
5. Cattle Breeding Farm, Kodapanakunnu, Trivendrum (Kerala)
6. Cattle Breeding Farm, Chethnd, Dist. Madurai (T.N.)
7. Cattle Breeding Farm, Orthanad Dist. Thanjavur (T.N.)
8. Cattle Breeding Farm, Pudukkottai (T.N.)
9. Cattle Breeding Farm, Tirunelveli (T.N.)
10. Livestock Farm, Barpeta, Dist. Kamrup (Assam)
11. Livestock Farm, Jagdaur (Assam)
12. Cattle Breeding Farm, Gauikarma, Dist. Hazaribagh (Jharkhand)
13. Central Cattle Breeding Farm, Chiplima, P.O. Basantpur, Dist. Sambalpur (Orissa)
14. Cattle Breeding Farm, Bolangir (Orissa)
15. Cattle Breeding Farm, Chiplima, P.O. Kalamati, Dist. Sambalpur (Orissa)
16. Cattle Breeding Farm, Hosur, Dist. Dharampuri (T.N.)

SAHIWAL

1. President’s Estate, New Delhi
2. Government Livestock Farm, Hisar (Haryana)
3. National Dairy Research Institute, Karnal (Haryana)
4. Cattle Breeding Farm, Beli Charana, Jammu Cantt. (J. & K.)
5. Amritsar Pinjrapole Gaushala (Regd.) Ghee Mandi. Amritsar (Punjab)
6. Cattle Breeding Farm, Chak – Ganjaria, Lucknow (U.P.)
7. Cattle Breeding Farm, Bod, Amravati (Maharashtra)
8. Cattle Breeding Farm, Nabha (Punjab)
9. Cattle Breeding Farm, Anjora, Dist. Durg (Chattisgarh)
10. Military Dairy Farm, Meerut (U.P.)
11. Dairy Farm, Govind Ballabh Pant University of Agricultural & Technology. Pantnagar, Dist. Nainital (Uttaranchal)
12. Satguru Sewa Sangh, Jeevannagar, Sirsa (Haryana)
13. Satguru Sewa Sangh, Banikhurd (Khanna), Dist. Ludhiana (Punjab)

**AMRITMAHAL**

1. Cattle Breeding Station, Aijampur, Dist. Chikmaglore (Karnataka)
2. Composite Livestock Farm, Hessarghatta, Bangalore

**MURRAH BUFFALO**

1. Central Institute for research on Buffaloes. Sirsa Road, Hisar (Haryana)
2. National Dairy Research Institute, Karnal (Haryana)
3. Cattle Breeding Farm, Beli Charana, Jammu Cantt. (J. & K.)
4. Government Livestock Farm, Hisar (Haryana)
5. Punjab Agricultural University, Ludhiana (Punjab)
6. Cattle Breeding Farm, Babugarh, Dist. Ghaziabad (U.P.)
7. Cattle Breeding Farm, Bharari – Jhansi (U.P.)
8. Cattle Breeding Farm, Chak Ganjaria, Lucknow (U.P.)
9. Cattle Breeding Farm, Hastinapur, Dist. Meerut (U.P.)
10. Cattle Breeding Farm, Lakhimpur, Dist. Kheri (U.P.)
11. Indian Veterinary Research Institute, Izatnagar (U.P.)
12. Cattle Breeding Farm, Ashwaraopet, Dist. Khammam (A.P.)
15. Government Livestock Farm, Mamnoor, Dist. Warangal (A.P.)
17. Government Livestock Farm, Viskhapatanam (A.P.)
18. Cattle Breeding Farm, Bankpura, Dist. Dharwad (Karnatake)
19. Cattle Breeding Farm, Kurikuppi, P.O. Toronagalli, Dist. Bellari (Karnatake)
20. Cattle Breeding Farm, Avadi (Akamadhi) (Chennai)
21. Cattle Breeding Farm, Chettinad, Dist. Madurai (T.N.)
22. Cattle Breeding Farm, Orthanad, Dist. Thanjavur (T.N.)
23. Cattle Breeding Farm, Pudukkottai (T.N.)
24. Cattle Breeding Farm, Tirunelveli (T.N.)
25. Livestock Farm, Barpeta, Dist. Kamrup (Assam)
26. Livestock Farm, Berhampur, Dist. Nowgong (Assam)
27. Livestock Farm, Guwahati (Assam)
28. Livestock Farm, Khanikar (Assam)
29. Cattle Breeding Farm, Sariakala, Ranchi (Jharkhand)
30. Cattle Breeding Farm, Sepaya, Ranchi (Bihar)
31. Cattle Breeding Farm, Anjora, Dist. Durg (Chattisgarh)
32. Cattle Breeding Farm, Kiratpur, Dist. Itarsi (M.P.)
33. Cattle Breeding Farm, Ratona, PB-2, Sagar (M.P.)
34. Cattle Breeding Farm, Haringhata (W.B.)
35. Cattle Breeding Farm, Kareemnagar (A.P.)
36. Cattle Breeding Farm, Horesikullu (A.P.)
37. Government Livestock Farm, Khanapara (Assam)
38. Government Livestock Farm, Kaliapani (Assam)
39. Cattle Breeding Farm, Bumraon (Bihar)
40. Livestock Farm, Hessarghatta, Bangalore (Karnataka)
41. Cattle – cum – sheep Breeding Farm, Munirabad (Karnataka)

BHADAWARI BUFFALO

1. Cattle Breeding Farm, Baburagh, Dist. Ghaziabad (U.P.)
2. Cattle Breeding Farm, Saidpur, Dist. Lalitpur (U.P.)
3. Agricultural College Dairy Farm, Kanpur (U.P.)

JAFFARABADI BUFFALO

1. Dairy Farm, Agricultural College, Gujarat Agricultural University, Junagarh Campus (Gujarat)

SURTI BUFFALO

1. Composite Livestock Farm, Dhat, Sangeum. Gao
2. Cattle Breeding Farm, Ode, Anand (Gujarat)
3. Central Cattle Breeding Farm, Dhamrod, Surat (Gujarat)
4. National Dairy Research Institute, Southern Regional Station, Bangalore
5. Dairy Farm, Dharwad Campus, Krishinagar, University of Agricultural Sciences, Dharwad (Karnataka)
6. Buffalo Breeding Farm, Thiruvazhun – Kunnu (Kerala)

NILI – RAVI BUFFALO

1. Military Dairy Farm, Ferozepur (Punjab)
2. Bull Mother Farm & Exotic Cattle Farm, Bhattian (Khanna), Dist. Ludhiana (Punjab)
3. Buffalo Breeding Station, Nabha (Punjab)

JERSEY (EXOTIC) CATTLE

1. Indo – Australian Cattle Breeding Farm, Hisar (Haryana)
2. Model Exotic Animal Farm, Bhiwani (Haryana)
3. Cattle Breeding Farm, Kamand Dist. Mandi (H.P.)
4. Cattle Breeding Farm, Kothipura, Dist. Bilaspur (H.P.)
5. Indo – German Cattel Breeding Farm, Bhangratu Dist. Mandi (H.P.)
6. Indo – New Zealand Project, C/o Himachal Pradesh Agricultural University, Palampur (H.P.)
7. Cattle Breeding Farm, Karsog, Dist. Mandi (H.P.)
8. Cattle Breeding Farm, Beli Charana, Jammu Cantt (J.& K.)
9. Cattle Breeding Farm, Mashal, Dist. Srinagar (J. & K.)
10. Jersey Cattle Breeding Farm, Roper (Punjab)
11. Exotic Nucleus Farm, Bhattian, Khanna (Punjab)
12. Exotic Nucleus Farm, P.O. Bassi, Jaipur (Rajasthan)
13. Cattle Breeding Farm, Kalsi, Dist. Dehara Dun (Uttaranchal)
14. Literacy House Bull Mother Farm, Alambagh, Lucknow (U.P.)
15. Jersey Cattle Breeding Farm, Rai – Bareilli (U.P.)
16. Composite Livestock Farm, Dhat, Sanguem, Goa
17. Cattle Breeding Farm, Ode, Anand (Gujarat)
18. Sabarmati Ashram Gaushala Bidaj Farm P.O. Lali Dist. Khera (Gujarat)
19. Central Cattle Breeding Farm, Urli – kanchan, Dist. Pune (M.S.)
20. Exotic Cattle Breeding Farm, Harsool, Dist. Aurangabad (M.S.)
22. Exotic Cattle Breeding Farm, Tathawadi, Dist. Pune (M.S.)
23. Exotic Cattle Breeding Farm, Wadsa, Dist. Chandrapur (M.S.)
24. Konkan Development Corporation, Aarey Milk Colony, Mumbai (M.S.)
25. Jersey Farm Nakari Kallu, Dist. Guntur (A.P.)
26. Jersey Cattle Breeding Farm, Banavasi, Dist. Kurnool (A.P.)
27. Cattle Breeding Farm, Kampa Sagar, Dist. Nalgonda (A.P.)
28. Government Dairy Farm, Visakhapatnam (A.P.)
29. Cattle Breeding Farm, Kodapanma Kunnu, Dist, Trivendrum
30. Jersey Cattle Breeding – cum – Crossbreed Farm, Adiparambu, Dist. Trivendrum
31. Jersey Farm, Vithura (Kerala)
32. Cattle Breeding Farm, Eachenkotlai, Dist. Thanjavur (T.N.)
33. Madhavaram Dairy Farm, Chennai (T.N.)
34. Cattle Breeding Farm, Ootacamund, Dist. Nilgiri (T.N.)
35. Cattle Breeding Farm, Orthanad, Dist. Thanjavur (T.N.)
36. Cattle Breeding Farm, Pudukkottai (T.N.)
37. Madras Christian College Farm, Thambaram, Chennai (T.N.)
38. Nucleus Jersey and Stud Farm, Udhagamandalam, Dist. Nilgiri
39. Livestock Farm, Barpeta, Dist. Kamrup (Assam)
40. Livestock Farm, Guwahati – Khanapara (Assam)
41. Livestock Farm, Berhampur, Dist. Nowgong (Assam)
42. Livestock Farm, Pachmile, Dist. Darrang (Assam)
43. Indo – Australian Cattle Breeding Project, Barpeta (Assam)
44. Exotic Cattle Breeding Farm, Patna (Bihar)
45. Cattle Breeding Farm, Gauriakarma, Dist. Hazaribagh
   (Jharkhand)
46. Exotic Bull Mother Farm, Vill. Rukka - Hutup, Ranchi
   (Jharkhand)
47. Cattle Breeding Farm, Bhanolbhada, Bhopal (M.P.)
48. Cattle Breeding Farm, Garhi, Dist. Balaghat (M.P.)
49. Cattle Breeding Farm, Imli Kheda, Chindwara (M.P.)
50. Cattle Breeding Farm, Pakari, Dist. Bilaspur (M.P.)
51. Cattle Breeding Farm, Sarkanda, Dist. Bilaspur (M.P.)
52. Regional Jersey Cattle Breeding Farm, Kyedemkulai
   (Meghalaya)
53. Central Cattle Breeding Farm, Sunabeda, Dist. Koraput
   (Orissa)
54. Cattle Breeding Farm, Tadong, Gangtoc (Sikkim)
55. Don Basco Mission, Krishnanagar (W.B.)
56. Cattle Breeding Farm, Haringhata, Dist. Nadia (W.B.)
57. State Livestock Farm, Kalyani, Dist. Nadia (W.B.)
58. State Livestock Farm, Kurseong, Dist. Darjeeling (W.B.)
59. Dairy Demonstration Farm, Pedong, Dist. Darjeeling (W.B.)
60. Dairy Demonstration Farm, Ranjitpur, Dist. Darjeeling (W.B.)
61. Exotic Cattle Breeding Farm, Salboni, Dist. Midnapur (W.B.)
62. Dairy Demonstration Farm, Sun, Dist. Midnapur (W.B.)
63. Exotic Cattle Breeding Farm, Santalpith, Dist. Purulia (W.B.)
64. Bull Mother Farm, Kharagpur (W.B.)
HOLSTEIN – FRIESIAN (EXOTIC) CATTLE

1. Indo – Australian Cattle Breeding Farm, Hisar (Haryana)
2. Model Exotic Animal Farm, Bhiwani (Haryana)
3. Cattle Breeding Farm, Bhagthan, Dist. Sirmour (H.P.)
4. Cattle Breeding Farm, Kamand Dist. Mandi (H.P.)
5. Cattle Breeding Farm, Kothipura, Dist. Bilaspur (H.P.)
6. Indo – German Cattel Breeding Farm, Bhangratu Dist. Mandi (H.P.)
7. Cattle Breeding Farm, Karsog, Dist. Mandi (H.P.)
8. Cattle Breeding Farm, Palampur, Dist. Kangra (H.P.)
9. Cattle Breeding Farm, Nabha (Punjab)
10. Cattle Breeding Farm, Mattewara, Ludhiana (Punjab)
11. Sutlei Bet Farm Ropar (Punjab)
12. Exotic Cattle Breeding Farm, Bhattaian (Khanna), Dist. Ludhiana (Punjab)
13. Exotic Nucleus Farm, P.O. Bassi, Jaipur (Rajasthan)
14. Cattle Breeding Farm, Ode, Anand (Gujarat)
15. Kaira District Milk Producers’ Co-operative Union Ltd. Kanjari, Dist. Kaira (Gujarat)
16. Lok Bharti Gaushala, P.O. Sanosara, Dist. Bharnjar (Gujarat)
17. Sabarmati Ashram Gaushala Bidaj Farm P.O. Lali Dist. Khera (Gujarat)
18. Central Cattle Breeding Farm, Urli – kanchan, Dist. Pune (M.S.)

19. Konkan Development Corporation, Aarey Milk Colony, Mumbai (M.S.)

20. Cattle Crossbreeding Project, Balsa, Dist. Parbhani (M.S.)

21. Cattle Breeding Farm, Kampasagar, Dist. Nalgonda (A.P.)

22. Cattle Breeding Farm, Redipalli, Dist. Anantpur (A.P.)

23. Dairy & Agricultural Farm, Sanar Nagar, Hyderabad (A.P.)

24. Central Cattle Breeding Farm, Hessarghatta, Bangalore

25. Composite Livestock Farm, Hessarghatta, Bangalore

26. Central Cattle Breeding Farm, Hosur, Dist. Dharampuri (T.N.)

27. Madhavaran Dairy Farm, Chennai (T.N.)

28. Cattle Breeding Farm, Ootacamund, Dist. Nilgiri (T.N.)

29. Cattle Breeding Farm, Orthanad, Dist. Thanjavur (T.N.)

30. Bull Mother Farm, Kharagpur (W.B.)

31. Cattle Breeding Farm, soro, Dist. Subansiri (Arunachal Pradesh)

32. Cattle Breeding Farm, Tezu, Dist. Lohit (Arunachal Pradesh)

33. Cattle Breeding Farm, Warjung, Dist. Kameng (Arunachal Pradesh)

34. Cattle Breeding Farm, Yazali, Dist. Subansiri (Arunachal Pradesh)

35. Exotic Cattle Breeding Farm, Panta(Bihar)
36. Exotic Cattle Breeding Farm, Rukka-Hutup, Ranchi (Jharkhand)
37. Don Bosco Mission, Krishnagar (W.B.)
38. Cattle Breeding Farm, Haringhata, Dist. Nadia (W.B.)
39. State Livestock Farm, Kalyani, Dist. Nadia (W.B.)
40. State Livestock Farm, Kurseong, Dist. Darjeeling (W.B.)
41. Exotic Cattle Breeding Farm, Salboin, Dist. Midnapur (W.B.)
42. Exotic Cattle Breeding Farm, Santaldih, Dist. Purulia (W.B.)

BROWN SWISS (EXOTIC) CATTLE

1. Government Dairy Farm, Visakhapatnam (A.P.)
2. Indo – Swiss Project, Visakapatnam (A.P.)
3. Cattle Breeding Farm, Kodapanma Kunnu, Dist, Trivendrum
4. Indo – Swiss Project, Munnar (Kerala)

RED DANE (EXOTIC) CATTLE

1. Indo – Danish Cattle Breeding Farm, Hessarghatta, Bangalore
2. Cattle Breeding Farm, Hosur, Dits. Dharampuri (T.N.)
<table>
<thead>
<tr>
<th>Company</th>
<th>Ownership</th>
<th>Size of dairy Operation in INR (USDmn)</th>
<th>Brands</th>
<th>Major products</th>
<th>Region</th>
<th>Own Milk Infrastructure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gujarat Coopertive Milk Marketing Federation Lim.</td>
<td>Federation of milk processing in Gujarat</td>
<td>22580(470)</td>
<td>Amul</td>
<td>Butter, cheese, dairy whitener, infant, powder, ethnic products</td>
<td>All India with focus on the west</td>
<td>Yes</td>
</tr>
<tr>
<td>Mother Dairy Fruits and Vegetable Pvt Lim.</td>
<td>100% owned by National Dairy Development Board</td>
<td>7300(152)</td>
<td>Mother Dairy</td>
<td>Liquid milk, curd, buttermilk, ice cream</td>
<td>Focused on the Delhi area</td>
<td>No (arrangement with cooperative) Yes</td>
</tr>
<tr>
<td>Nestle India</td>
<td>Public company, majority stake owned by Nestle SA</td>
<td>8159(170)</td>
<td>Milkmaid Cerelac, Lectogen, Everyday</td>
<td>Sweetened condensed milk, milk powder and dairy whitener, UHT milk infant food Butter, ghee, cheese UHT milk</td>
<td>All India</td>
<td>No</td>
</tr>
<tr>
<td>Dynamix Dairy</td>
<td>Private Company</td>
<td>1996(42)</td>
<td>Cootact manufactuer for Britannia, Nestle Kwality Walls</td>
<td>Ice cream</td>
<td>All India</td>
<td>Yes</td>
</tr>
<tr>
<td>Hindustan Lever Ltd.</td>
<td>Public company, majority stake owned by Unilever</td>
<td>1564(33)</td>
<td></td>
<td></td>
<td></td>
<td>No</td>
</tr>
<tr>
<td>Britannia</td>
<td>Minority stake from Danone Recent tie-up with Fonterra</td>
<td>1313(27)</td>
<td>Milkman</td>
<td>Flavoured milk, cheese, butter, ghee</td>
<td>All India</td>
<td>No</td>
</tr>
<tr>
<td>Company</td>
<td>Type</td>
<td>Numbers</td>
<td>Location</td>
<td>Products</td>
<td>Region</td>
<td>Export</td>
</tr>
<tr>
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</tr>
<tr>
<td>Andhra Pradesh Dairy Development Cooperative Federation (APDDCF)</td>
<td>Federation of milk processing Cooperative in Andhra Pradesh</td>
<td>6370(133)</td>
<td>Vijaya</td>
<td>Liquid milk, butter, cheese, ethnic products, ghee, UHT milk</td>
<td>All India with focus on the south</td>
<td>Yes</td>
</tr>
<tr>
<td>Hatsun Agro</td>
<td>Public company</td>
<td>1490(31)</td>
<td>Arun</td>
<td>Liquid milk, ice cream ethnic products, Ice cream</td>
<td>South</td>
<td>Yes</td>
</tr>
<tr>
<td>Vedilal</td>
<td>Public company</td>
<td>210(4)</td>
<td>Vedilal</td>
<td>Liquid milk, ice cream ethnic products, Ice cream</td>
<td>West</td>
<td>No</td>
</tr>
<tr>
<td>Nilgirts</td>
<td>Private company</td>
<td>600(13)</td>
<td>Nilgirts (sold through own stores, home delivery)</td>
<td>Liquid milk, butte, ghee, cheese flavored milk ethnic products</td>
<td>South</td>
<td>Yes</td>
</tr>
</tbody>
</table>