APPENDIX

I-Interview Schedule to Dairy Co-operative Societies

<table>
<thead>
<tr>
<th>Name of Society with Reg. No.</th>
<th>District.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Area of Operation</td>
<td>1. Urban ()  2. Rural ()</td>
</tr>
<tr>
<td>2. No. of pouring members.</td>
<td>1. Males ( )  2. Females ( )  3. Total ( )</td>
</tr>
<tr>
<td>3. No. of pouring nonmembers</td>
<td>1. Males ( )  2. Females ( )  3. Total ( )</td>
</tr>
<tr>
<td>4. Quantity of milk collected per day (Lit. )</td>
<td></td>
</tr>
</tbody>
</table>

5. Is the present period average collection is increased or decreased from the collection during the same period in the previous year?
   1. More ()  2. Less ()  3. No change ()

6. What are the reasons for increased milk collection? (Please tick the at least three important reasons)
   1. Increase in the number of pouring members. ()
   2. Increase in milk pouring per member ()
   3. Increase in incentives given by society ()
   4. Better input services given by the society ()
   5. The society’s arrangement of door collection of milk from the farmers
   6. Other reasons (explain)

7. What are the reasons for decreased milk collection? (Please tick the at least three important reasons)
   1. Decrease in price given by society ()
   2. Decrease in the number of pouring members ()
   3. Decrease in milk pouring per member ()
   4. Decrease in input service given by society/Union ()
   5. Society has no arrangement for door collection of milk from the farmers ()
   6. Other reasons (explain)

8. Quantity and average price of milk sold to Union per day
   1. Quantity sold ..............Liters  2. Price per Liter Rs........

9. Do the society received any bonus/incentive from the Union during the previous year?
   1. Yes ()  2. No ()
10. Do the society gave any bonus/incentive to members during the previous year?
   1. Yes (...........%)  2. No ( )

11. Has the quantity of milk supplied to Union at present increased or decreased from the same period during the previous year?
   1 Increased ( )  2. Decreased ( )  3. No change ( )

12. What are the reasons for increased milk supply to the Union
    (Please tick the at least three important reasons)
    1. Increase in milk collection by society
    2. Decrease in demand on local sale by the society
    3. Decrease in price in the local sale
    4. The positive attitude of the Union towards the society
    5. Union receives more milk always
    6. Other reasons (explain)

13. What are the reasons for decreased milk supply to the Union? (Please tick the at least three important reasons)
    1. Decrease in milk collection by society.
    2. Increase in demand in the local market
    3. Increase in price in the local market.
    4. The negative attitude of the Union towards the society
    5. Restriction in quantity of milk collection by the Union
    6. Other reasons (explain)

14. Whether the society sells milk in the local market
    1. No ( )  2. Yes ( )  3. Quantity sold per day (.................liters)
    4. Price per liter (Rs........)

15. Has the quantity sold in the local market increased or decreased?
    1. Increased ( )  2. Decreased ( )  3. No change ( )

16. What are the reasons for increased sale in the local market?
    (Please tick the at least three important reasons)
    1. Increase in price in the local market.
    2. Increase in demand in the local market.
    3. All milk collected is not taken away by the Union.
    4. Unfair methods of pricing by the Union.
    5. Unscientific collection time and methods followed by the Union.
    6. The negative attitude of the Union towards the society.
    7. Other reasons (explain).
17. What are the reasons for the decreased sale in the local market?
   (Please tick the at least three important reasons)
   1. Decrease in price in the local market.
   2. Decrease in demand in the local market.
   3. Prompt payment of price by the Union.
   4. The Union accepts all milk collected by the society.
   5. Scientific and prompt collection time and methods followed by the Union.
   6. The positive attitude of the Union towards the society.
   7. Other reasons (explain).

18. Does the society demand milma cattle feed?

19. Does the Union supply milma cattle feed when demanded?

20. Does the society supply milma cattle feed as per the demand of members?
   1. Very much less than demand  2. Less than demand  3. As per demand
   4. No supply

21. Does the society supply any other branded cattle feed?
   1. Yes ( )  2. No ( )

22. Does the society supply fodder seed to members?
   1. Frequently ( )  2. Occasionally ( )  3. Never ( )

23. Does the Society arrange AI service for the animals of the members?
   1. Yes, from the Union ( )  2. Yes, from AH Department (Govt.) ( )
   3. No ( )

24. Is there any veterinary hospital in the locality of the society?
   1. Yes, run by AH Dept ( )  2. Yes, run by Union ( )
   3. Yes, run by society ( )  4. No ( )

25. Does the society supply any equipment useful for dairy farming?
   1. Yes ( )  2. No ( )

26. Does the society conduct any study classes/trainings to the members on modern methods of cattle farming?
   1. Yes, with Government’s assistance ( )  2. Yes, with Union’s assistance ( )
   3. Yes, without any assistance ( )  4. No ( )

27. If yes, what is the response of the members in attending the same?
   1. Very good ( )  2. Good ( )  3. Satisfactory ( )  4. Poor ( )  5. Very poor ( )
28. Does the society help the members in any way for the purchase of animals, construction of sheds etc.?
   1. Helps to get Loans ( )  2. Help to get Subsidy ( )  3. Gives loan ( )
   4. Gives subsidy ( )  5. No such activities ( )  6. Other helps (explain) ( )

29. If loan or subsidy is given, what is the criterion of giving such loan or subsidy?
   1. On the basis of share held ( )  2. On the basis of milk poured ( )
   3. According to managing committee’s decision ( )  4. Other means (explain) ( )

30. If any loan is given to members, what proportion of loan given to members has become bad?
   1. Less than 5 % ( )  2. 5 % – 15 % ( )  3. 15 % – 25 % ( )
   4. 25 % – 50 % ( )  5. Above 50 % ( )  6. No bad debt ( )

31. What proportion of loan given to members is overdue?
   1. Nil ( )  2. Less than 10 % ( )  3. 10 % – 20 % ( )  4. 20 % – 30 % ( )
   5. 30 % – 40 % ( )  6. 40 % – 50 % ( )  7. Above 50 % ( )

32. Does the Union refinance any part of the loan provided by society to members?
   1. Completely refinance ( )  2. Partly refinance (………% )  3. Not at all ( )

33. Does the Union give any subsidy to farmers through the society?
   1. Yes, for purchase of animal ( )  2. Yes, for construction of sheds ( )
   3. Yes, for other dairy activities (explain) ( )  4. No ( )

34. Does the Union give any loan to the society?
   1. Yes, loan for working capital ( )  2. Yes, loan to purchase land and building ( )
   3. Yes, loan to provide loan facility to members ( )
   4. Yes, for other matters (explain) ( )  5. No ( )

35. Does the Union give any grant to the society?
   1. Yes, for the purchase of land and building ( )  2. Yes, for the purchase of equipments for the society ( )
   3. Yes, for the working capital ( )  4. Yes, for payment of grant to members ( )
   5. No ( )

36. Has the society taken any loan from any financial institutions?
   1. Yes, for working capital ( )  2. Yes to purchase land and building ( )
   3. Yes, for other matters (explain) ( )  4. No ( )

37. Does the society accept deposit from members/the public?
   1. Yes. ( )  2. No. ( )
38. Does the society conduct any meeting of the members to discuss the problems of society?
   1. Regularly ( )   2. Occasionally ( )   3. Never ( )

39. What is the response of the members in solving the problems of the society if any?
   1. Very good ( )   2. Good ( )   3. Satisfactory ( )   4. Poor ( )   5. Very poor ( )

40. Do the president and/or secretary meet the Union officials to discuss the problems of the society?
   1. Frequently ( )   2. Occasionally ( )   3. Never ( )

41. If yes, what is the attitude of the Union officials in solving the problems of the society?
   1. Very good ( )   2. Good ( )   3. Satisfactory ( )   4. Poor ( )   5. Very poor ( )

42. Does the society pay any remuneration to the president and secretary of the society?
   1. Yes ( )   2. No ( )

43. If yes, please state the average amount of monthly remuneration below.
   President. Rs.  
   Secretary. Rs.

44. From the below given suggestions, please select at least five most important suggestion to improve milk production and milk collection.
   1. Society should give loans to its members for cattle farming activities.
   2. Cattle feed should be given to the members at a subsidized rate.
   3. Societies should be given freedom to evolve and adopt suitable measures for the development of cattle farming by amending its by-laws.
   4. Societies should establish AI centers.
   5. Union should give financial and other necessary facilities to the society to arrange door collection of milk from the farmers.
   6. Veterinary services should be one of the main function of the society.
   7. Any benefit or concession from society should be based on the quantity of milk poured by members.
   8. Price of milk paid to farmers should be increased, by eliminating bonus system.
   9. Bonus should be increased instead of increasing price of milk.
   10. Union should give free AI service to the animals of the members.
   11. Members animals are to be insured through society at reduced cost
   12. All members should take more shares to improve the financial condition of the society
   13. If there are any other suggestions, please give the same in the space provided below.
II-Interview Schedule to Dairy Farmers

1. Name of the Farmer  Mr./ Mrs. ....................................................... .

2. Place of residence. .................................................................

3. Area of residence  1. Rural () 2. Urban ()

   1. Dairying  2. Agriculture  3. Agriculture labour  4. laborer
   5. Business

5. Are you a shareholder of the milk producers' society?  1. Yes 2. No

6. No. of your animal holding.
   1. Milking animals.
   2. Dry animals.

7. Details of Animals in Milk

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Crossbreed</th>
<th>Country type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. No. of the current lactations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Present yield per day during the current lactation (ltrs)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Maximum yield per day during the current lactation (ltrs)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Maximum yield per day during the previous lactation (ltrs)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Minimum yield per day during the previous lactation (ltrs)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. No. of milking days during the previous lactation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. No. of dry days during the previous lactation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. Return from manure (cow dung) per day (Rs)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8. Cost of maintaining/feeding per day per animal.

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Crossbreed</th>
<th>Country type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Green fodder per day</td>
<td>Rs.</td>
<td>Rs.</td>
</tr>
<tr>
<td>2. Dry fodder per day</td>
<td>Rs.</td>
<td>Rs.</td>
</tr>
<tr>
<td>3. Oil cakes per day</td>
<td>Rs.</td>
<td>Rs.</td>
</tr>
<tr>
<td>4. Cattle feed per day</td>
<td>Rs.</td>
<td>Rs.</td>
</tr>
<tr>
<td>5. Cost of vitamin powder, tonic etc per day</td>
<td>Rs.</td>
<td>Rs.</td>
</tr>
<tr>
<td>6. Cost of labour for milking, shed cleaning etc per day</td>
<td>Rs.</td>
<td>Rs.</td>
</tr>
<tr>
<td>7. Cost of medical care per month</td>
<td>Rs.</td>
<td>Rs.</td>
</tr>
<tr>
<td>8. Others expenses if any for one month</td>
<td>Rs.</td>
<td>Rs.</td>
</tr>
</tbody>
</table>
9. What is the normal price you are prepared to pay for a milch animal, which gives 8 liters of milk per day? Rs.

10. The yield per animal usually increases because of the following reasons.
    (Please tick at least three most important answers from the following answers)
    1. Because of better cattle feed concentrates (like milma, OK, etc.).
    2. Because of better veterinary care.
    3. Because of more green fodder feeding.
    4. Because of better time management in feeding.
    5. Because of scientific arrangement of content in the feeds given
    6. Because of giving vitamin powder and tonics
    7. Other reasons (please specify)

11. The yield per animal usually decreases because of the following reasons.
    (Please tick at least three most important answers from the following answers)
    1. Because of diseases to the animal
    2. Because of defective time management in feeding.
    3. Because of unscientific arrangement of content in the feeds given
    4. Because of lack vitamin powder and tonics with feed
    5. Because of lack of quality cattle feed concentrates (like milma, OK, etc).
    6. Others (specify)

12. Have you disposed any of your animals during the previous year?
    1. Yes 2. No

13. If yes, what was the reason for the disposal?
    1. Animal was dry
    2. Animal was infertile
    3. Animal was old age
    4. Animal was with chronic disease
    5. Animal was with low yield
    6. Cattle farming is not profitable
    7. Others (specify)
14. How do you dispose your milk?

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Ltrs/per day</th>
<th>Price per liter(Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Co-operative society (APCOS)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Neighbors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Tea shops</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Petty traders</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Own consumption</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

15. How often do you pour milk to the society?

16. Does the society give bonus for the complete milk poured to the society?
1. Bonus is given for the complete milk poured
2. Bonus is given for part of the milk poured
3. No bonus is given

17. Has the quantity of milk poured to the society increased or decreased from the previous year?
1. Increased 2. Decreased 3. No change

18. What are the reasons for the increase in milk poured to the society?
(Please tick at least three most important answers from the following answers)
1. The society always accept the milk
2. The society makes timely payments
3. The local demand for milk decreased
4. It is convenient to give milk to the society
5. Milk production increased
6. The society gives cattle feed and veterinary services
7. Other reasons (explain)

19. What are the reasons for the decrease in milk poured to the society?
(Please tick at least three most important answers from the following answers)
1. The price and bonus together given by the society is low
2. The milk production decreased
3. The society does not accept the milk always
4. There is sufficient local demand for milk
5. It is inconvenient to give milk to the society
6. The performance of society is not satisfactory
7. The provision of cattle feed and veterinary services are not satisfactory
8. Other reasons (explain)
20. Do you sell milk in the local market?

21. Has the quantity of milk sold by you in the local market increased or decreased from the previous year?
   1. Increased  2. Decreased  3. No change

22. What are the reasons for the increase in quantity of local sale?
   (Please tick at least three most important reasons from the following)
   1. The price in the local market is more than the society’s price.
   2. Increase in quantity of milk produced
   3. There is high demand and so it is easy to sell in the local market.
   4. The society does not accept the milk always.
   5. The inconvenience to give milk to the society
   6. No faith in the functioning of the society
   7. The method of pricing adopted by the society is not acceptable.
   8. Other reasons (explain)

23. What are the reasons for the decrease in quantity of local sale?
   (Please tick at least three most important answers from the following answers)
   1. The milk production decreased
   2. The demand in the local market decreased.
   3. The society always accepts the milk.
   4. The scientific method of pricing adopted by the society is satisfactory.
   5. It is convenient to give milk to the society
   6. It is inconvenient to sell in the local market.

24. Does the society supply milma cattle feed?

25. What is the quantity of milma feed supplied?
   1. Very much less than demand  2. Less than demand  3. As per demand

26. What is the quality of milma cattle feed?
   1. Better than many other brands in the market
   2. As good as many other brands in the market
   3. Not as good as many other brands in the market

27. How is the price of the milma cattle feed?
   1. Lower than many other brands  2. Equal to many other brands
3. Higher than many other brands

28. Does the society supply any other cattle feed?
   1. Yes  
   2. No

29. Does the society supply fodder seed?
   1. Yes  
   2. No

30. What is the type of breeding practice used for the animal?
   1. Artificial Insemination  
   2. Natural Service

31. If it is AI, what is the average number of AI required for a pregnancy and what is the cost per AI?
   1. No. of AI required  
   2. Cost per AI [Rs. ]

32. From where you are getting AI service, if AI service is used?
   1. Directly from veterinary hospital  
   2. Directly from Union  
   3. From Union through society  
   4. Directly from society  
   5. From veterinary hospital/Union through society  
   6. From other sources (explain)

33. What is the quality of AI service?
   1. Very good  
   2. Good  
   3. Satisfactory  
   4. Poor

34. What is the level of cost of AI service?
   1. Very high cost  
   2. High cost  
   3. Reasonable cost  
   4. Low cost  
   5. Very low cost

35. Is there any veterinary hospital in your locality?
   1. Yes, run by Government  
   2. Yes, run by Union  
   3. Yes, run by society  
   4. No

36. If yes, What is the quality of service?
   1. Very good  
   2. Good  
   3. Satisfactory  
   4. Poor  
   5. Very poor

37. What is the level of cost of veterinary services provided by the hospital (excluding medicines)?
   1. Very high cost  
   2. High cost  
   3. Reasonable cost  
   4. Low cost  
   5. Very low cost  
   6. No cost
38. What was the level of cost of medicines for your animals during the previous year?

39. Has society, Union or any other Government body conducted any study class/training in cattle farming in your locality?
   1. Yes, frequently  2. Yes, occasionally  3. No

40. Have you availed any loan or subsidy from any sources for cattle farming activity?

<table>
<thead>
<tr>
<th>Description</th>
<th>No</th>
<th>From Society</th>
<th>From other credit society</th>
<th>From panchayat</th>
<th>From bank</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Loan for the purchase of animals</td>
<td></td>
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<tr>
<td>2. Subsidy for the purchase of animals</td>
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<tr>
<td>3. Loan for construction of shed</td>
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<tr>
<td>4. Subsidy for construction of shed</td>
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</tbody>
</table>

41. Are you of the opinion that your society should give such loans to its members?
   1. Yes  2. No

42. If yes, are you prepared to give sufficient security and take necessary shares of the society for the purpose of the loan?
   1. Yes  2. No

43. Does the society organize any meeting of its members to discuss the problems of cattle farming?
   1. Frequently  2. Occasionally  3. Never

44. Do the officials of the society help in solving your cattle farming problems?
   1. Yes  2. No

45. According to you, which of the following factors would help to make cattle farming a profitable activity?
   (Please tick the five most important suggestions from the following)
   1. Availability of feed subsidy.  2. Increased milk price.
   3. Availability of loan facilities.
   4. Availability of better veterinary services with the help of doctor
   5. Availability of labor
   7. Easy availability of quality Cattle feed
8. Availability of low cost AI facility  
9. Easy availability of green fodder  
10. Availability of medicine at low cost  
12. Guarantee of compensation on loss of animal  
13. Any others (specify)  

46. Do you agree or disagree with the following statements?  
(Please put the numbers for your answer in the column provided against each statement- 1 for Agree, 2 for Disagree, 3 for Do not Know or for neither agree nor disagree or for no opinion.

1. Cattle farming is a profitable activity  
2. Kerala State is not at all good for cattle farming activity  
3. Government’s efforts for dairy development is satisfactory  
4. Government’s development program in dairy sector is not satisfactory compared to its programs in other agricultural sectors  
5. Subsidy on cattle feed will make cattle farming a profitable activity  
6. Political parties misuse milk producer’s societies for political gain.  
7. Dairy societies exploit dairy farmers  
8. Dairy societies are working for the benefit of dairy farmers  
9. There is sufficient transparency in the working of dairy co-operatives  
10. Societies should expand its scope of operation by changing its by-laws to benefit the farmers  
11. Milk producer’s society is not paying reasonable price to milk pourers  
12. Milk pouring to society will increase if door collection is arranged by the society  
13. Remaining outside the dairy co-operative structure is more profitable than joining dairy co-operatives for cattle farmer  
14. The unrestricted acceptance of milk is the only attraction of the dairy societies  
15. Milk producer’s society is paying reasonable price to milk pourers  
16. Societies pay different price for the same quality of milk at different times  
17. Veterinary hospitals should be under the supervision and control of dairy co-operative structure  
18. The incentives given for milk poured is different at different times  
19. The pricing system of milk producer’s society is satisfactory  
20. The availability of quality cattle feed is limited  
21. Feed subsidy is more beneficial to producers than increase in procurement price
22. Non-availability of green fodder is an important bottleneck in cattle farming
23. Green fodder can be collected and distributed through society at reasonable cost
24. Crossbreed animals help to make cattle farming activity a profitable one
25. AI service should be a function of the society
26. Societies should give make available the service of veterinary doctors for better veterinary care
27. Providing loan for cattle farming activities should be a major function of dairy co-operatives
28. Societies should arrange for the insurance of animals of the farmers at reasonable premium
29. Societies should do only the function of milk collection
30. It should not be the function of society to provide cattle farming inputs like cattle feed, AI, veterinary service