APPENDIX I

A Study on Managerial Efficiency in Irrigated Rice Farming Systems

Interview schedule

1. Name of the farmer:

2. Address:

3. Education: Illiterate/Up to 4th standard/5th to 8th standard/9th to 10th standard/Others

4. Farming experience: Up to 10 years/10 to 20 years/20 to 30 years/30 to 40 years/40 to 50 years/More than 50 years.

5. Income level
   a. Type of House: Thatched/Tiled/Terraced
   b. Number of Bedrooms: One/Two/Three and above
   c. Drinking water source: Own well/Own well with pumping system/Common tap or pond or well.
   d. House hold appliances: TV/Radio/Mixie/Refrigerator/Telephone
   e. Vehicle: Nil/Cycle/Two wheeler/Three or four wheeler
6. Social participation: Member / office bearer of
   a. Panchayath
   b. Co-operative society / other co-operative organizations
   c. Farmer’s organization
   d. Arts/cultural club
   e. Any others

7. Mass media participation: Please indicate the mass media channels used for gathering agriculture-related information.
   a. Newspaper
   b. Radio
   c. T.V.
   d. Kerala Karshakan magazine
   e. Karshakasree magazine
   f. Any others

8. Location of water source: Please indicate the portion of the canal from which irrigation water is received for your paddy farm.
   a. Head reach of canal
   b. Middle reach of canal
   c. Tail reach of canal
   d. Irrigates through pumping from ponds/tanks
9. Area under paddy cultivation: Please indicate your total area under paddy cultivation (in hectares).

10. Irrigated paddy area: Please indicate the paddy area (in hectares) receiving irrigation water for cultivation of punja crop (January to April period).

11. Water availability

Irrigation water availability is

a. Adequate - (i) Always (ii) Sometimes
b. Not adequate - (i) Always (ii) Sometimes
c. Timely - (i) Always (ii) Sometimes
d. Not timely - (i) Always (ii) Sometimes

12. Land fragmentation

Paddy area is situated as

a. Consolidated block
b. 2 pieces of land
c. 3 pieces of land
d. 4 pieces of land
e. 5 or more pieces of land
13. MANAGERIAL EFFICIENCY

Your have been undertaking irrigated rice cultivation for some years. Given below are some activities, which help in improving the returns from it. Please indicate whether you have been adopting these activities. If you are not adopting an activity, please give reasons for it.

I. PLANNING

1. Considering the relationship between quantity of inputs (seeds, fertilizers etc.) used and crop yield, while allocating inputs.
   Adopting / Not adopting

2. Working out operation – wise expenditure before rice cultivation starts.
   Adopting / Not adopting

3. Deciding the variety of rice based on tolerance to pests/diseases.
   Adopting / Not adopting

II. LABOUR MANAGEMENT

1. Fixing up labourers in advance to overcome labour availability problem.
   Adopting / Not adopting

2. Using family labour at appropriate time for agricultural operations.
   Adopting / Not adopting

3. Giving proper instructions to labourers for agricultural operations at the required time.
   Adopting / Not adopting
III. FINANCIAL MANAGEMENT

1. Not down expenditure incurred for agricultural operations.
   Adopting / Not adopting

2. Working out profit / loss from rice cultivation.
   Adopting / Not adopting

3. Keeping reserve fund to meet unexpected expenditure in rice cultivation.
   Adopting / Not adopting

IV. INFORMATION MANAGEMENT

1. Gathering information on agricultural practices and solutions to problems from mass media sources.
   Adopting / Not adopting

2. Discussing agricultural practices/ problems and solutions with fellow farmers.
   Adopting / Not adopting

3. Discussing the above with officials of Agriculture / Irrigation department.
   Adopting / Not adopting
V. PRODUCTION MANAGEMENT

1. Adoption of recommended seed rate of high yielding varieties of rice.
   Adopting / Not adopting

2. Adoption of recommended fertilizer dose for rice.
   Adopting / Not adopting

3. Adoption of recommended irrigation schedule for rice.
   Adopting / Not adopting