

2. Plot characteristics and soil conservation practices adopted by the farmer in each plot

Plot name and serial no.	Distance from home (km)	Distance from well/tank/pond (km)	Area (acres)	Irrigable area (acres)	Source of irrigation	Land tenure ¹	Soil type ²	Soil depth ³	Soil fertility ⁴	Slope ⁵	Soil degradation ⁶	No. of trees

1. 1 = Owned; 2 = leased-out; 3 = shared-out; 4 = leased-in; and 5 = shared in.
2. 1 = Red soil; 2 = Sandy soil; 3 = Murrum soil; 4 = Deep black; 5 = Medium black; 6 = Shallow soil; 7 = Sandy loam; 8 = Saline; and 9 = Alkaline.
3. 1 = Shallow (<0.5 m); 2 = Medium (0.6-1 m); 3 = Deep (1.1-1.5 m); and 4 = Very deep (>1.5 m).
4. 1 = Very poor; 2 = Poor; 3 = Good; and 4 = Very good.
6. 1 = Level (0-1%); 2 = Slight slope (1-3%); 3 = Medium slope (3-10%); and 4 = High slope (>10%).
6. 1 = No problem; 2 = Soil erosion; 3 = Nutrient depletion; 4 = Water logging; 5 = Salinity/alkalinity/acidity; and 6 = Others -----.

3. Benefits perceived by the farmer in adopting soil conservation practices

Plot no.	Type of soil conservation measure ¹	Year of adoption	Total cost ² (Rs)	Farmer's share in total cost (%)	Cost of maintenance of structures for year	No. of years benefits expected	Benefits perceived by the farmer (%) ³				Main reasons for increase/not increasing benefits		Mitigation measures to counteract soil fertility decline ⁴
							Soil fertility	Control of soil erosion	Crop productivity	Others	1	2	

1. Soil conservation measures: 0 = Not adopted any measure; 1 = Land leveling; 2 = Field/boundary bunds; 3 = Contour bunds; 4 = BBF; 5 = Tree/grass plantation; 6 = Check dams; 7 = Water harvesting structures (Farm pond, etc); and 8 = Others (specify) -----.
2. Write zero if the soil conservation structures were constructed by the Government free of cost.
3. If farmer perceived any benefits (use codes): 1 = Increased by 10%; 2 = Increased by 11%-25%; 3 = Increased by 26%-50%; 4 = Increased by 51%-75%; and 5 = Increased by more than 75%. If farmer did not perceive any benefits (use codes): 6 = No change; 7 = Fell by 10%, 8 = Fell by 11%-25%; 9 = Fell by 26%-50%; 10 = Fell by 51%-75%; and 11= Fell by more than 75%.
4. Mitigation measure: 1 = Increased FYM use; 2 = Increased use of chemical fertilizer; 3 = Seasonal fallow; 4 = Soil and water conservation measures; 5 = Shift to new crops; and 6 = Others (specify) -----.

Note: If a farmer adopted different types of soil conservation practices in the same main plot, repeat the same plot number with soil conservation code.

MODULE IV: HOUSEHOLD RESOURCES

1. Resource position of the household in 1985 and 2001 (value in Rs)

Resources	1985			2001		
	Quantity	Unit price	Total value	Quantity	Unit price	Total value
1. Land (acres)						
1. Dryland						
2. Irrigated land						
2. Livestock (number)						
1. Draft animals (bullocks and he-buffaloes)						
2. She-buffaloes						
3. Cows						
4. Young cattle						
5. Goats						
6. Sheep						
7. Pigs						
8. Poultry						
9. Others (specify)						
3. Farm equipment (number)						
1. Tractor with attachments						
2. Threshers						
3. Electric motors/oil engines						
4. Sprinkler sets/Drip irrigation						
5. Submersible pump sets						
6. Power or manual sprayer/duster						
7. Modern plow/seed drill/disc harrow, etc						
8. Power-operated mills						
9. Oil seed/sugarcane crusher						
10. Bullock cart						
11. Hand-operated tools/implements						
12. All farm implements (plows, seed drill, blade harrow, tooth hoe, leveler and others)						
13. Others (specify)						
4. Farm building (sq. yard)						
1. Residential house including courtyard						
1.1. Strong house with rock/cement walls	Yes/no			Yes/no		
1.2. Toilets	Yes/no			Yes/no		
1.3. Bathroom and sanitary facilities	Yes/no			Yes/no		
1.4. Electrified	Yes/no			Yes/no		
1.5. Tap water connection	Yes/no			Yes/no		

1.6. Star connection (Cable TV)	Yes/no			Yes/no		
2. Farmhouse including courtyard						
3. Residential plot						
4. Others (specify)						
5. Consumer durables						
1. Gold and silver						
2. Auto/two-wheelers (scooter, bicycle, etc)						
3. Refrigerator/Fridge						
4. Television						
5. Telephone						
6. Sewing machine						
7. Fan, radio, tape recorder and watches, etc						
8. Cooking gas (LPG)						
9. Furniture (tables, chairs, cots, sofas, etc)						
10. Household utensils (steel, brass, copper)						
11. Clothing						
12. Others (specify)						

MODULE V: SOCIOECONOMIC, AGROBIOLOGICAL AND INSTITUTIONAL ASPECTS

1. Perceptions about climatic changes

1.1. Has there been any change in the rainfall pattern compared to 1985 (17 years ago)? **Yes/No**

If yes, answer the following questions:

Characteristics	Description	Main reasons
1. Quantum of rainfall	Increased/decreased/no change	
2. Distribution of rainfall	Highly erratic/no change/better	
3. Number of rainy days	Increased/decreased/no change	
4. Outlier events	Increased/decreased/no change	
5. Arrival of monsoons	Early/late/no change	
6. Availability of water in wells and bore wells	Increased/decreased/no change	
7. Availability of water in irrigation tanks	Increased/decreased/no change	
8. Temperature (winter)	Increased/decreased/no change	
9. Temperature (summer)	Increased/decreased/no change	

1.2. Has there been any change in the irrigated area operated by you compared to 17 years ago?

Yes/No

If yes, please answer the following questions:

Crops	Irrigated area in acres			Reasons for increase/decrease
	1985/86	2001/02	Status *	
1. Rainy-season paddy				
2. Post-rainy-season paddy				
3. Rainy-season groundnut				
4. Post-rainy-season Groundnut				
5. Cotton				
6. Vegetables				
7. Fruit garden				
8. Sugarcane				
9. Onion				
10. Chickpea				
11. Wheat				
12. Maize				
13. Other crops				
13.1.				
13.2.				

* Increased/decreased/no change.

1.3. Have you or your family members ever tried to dig open dug wells or bore wells since 1985?

Yes/No

If yes, please answer the following questions:

Type	Number of attempts	Depth (ft) of each attempt	Successful attempts	Presently in use	Total amount (Rs) spent including failed attempts
1. Open dug wells					
2. Bore wells					
3. In-well bores					
4. Deepening of well					

2. Changes in assets position (land, labor and credit)

2.1. Has there been any change in your ownership status of land in the last 17 years (1985)?

Yes/No

If yes, please answer the following questions:

Type of transactions*	Year	Area (acres)	Price per acre (Rs)

- Sale/purchase/gift from Government/relatives; Lost in litigation and family division.

2.2. Please answer the following questions about your land and related aspects compared to 1985:

Characteristics	Status*	Reasons
1. Number of land transactions		
2. Number of parcels		
3. Irrigated area		
4. Land quality		
5. Land values		
6. Leased/shared-in land		
7. Leased/shared-out land		

* Increased/Decreased/No change.

2.3. What is the status of the labor market in the village compared to 1985?

Characteristics	Status	Reasons
1. Opportunities for farm work	High/low/no change	
2. Opportunities for non-farm work	High/low/no change	
3. Availability of labor for work	Surplus/shortage/no change	
4. Involuntary unemployment days	Increased/decreased/no change	
5. Availability of regular farm servants (RFS)	Surplus/shortage/no change	
6. Working hours for labor per day	Increased/decreased/no change	
7. Wage rate per day	Increased/decreased/no change	
8. Contract type of work	Increased/decreased/no change	

2.4. How many members of your family participated in the village labor market during 2001/2002?

Name	Sex	Status*	Type of work	Employment days	Wage rate (day)	Total earnings (Rs)	Involuntary unemployment days	Amount received as advance

* Daily wage earner, monthly worker or working as RFS

2.5. How many members of your family temporarily migrated out during 2001/2002?

Name	Sex	Place	Distance (km)	Type of work	Employment days/ months	Wage rate	Total (Rs)	Amount spent during stay	Involuntary unemployment days	Amount received as advance

2.6. How many members of your family participated in caste occupations during 2001/2002?

Name	Sex	Type of occupation*	Days worked during the year	Working hours/day	Approximate income received (Rs)

* Toddy tapping, toddy selling, carpentry, goldsmith, mason, washer man, barber, sheep rearing, butcher, pottery, basket-making, weaving, religious services, cobbler, etc

2.7. How many members of your family participated in other occupations during 2001/2002?

Name	Sex	Type of occupation*	Days worked during the year	Working hours/day	Approximate income received (Rs)

* Stitching clothes, Vegetable/ fruit selling, mechanic, running own autos/tractor, business, shop-keeping, money lending, leaf-plate selling, mat weaving, firewood selling, Government/private jobs (part- and full-time)

2.8. What is the position of your financial assets and liabilities during 2001/2002?

Type	Source	Amount (Rs)	Purpose	Interest rate	Outstanding
I. Borrowings					
1.					
2.					
3.					
II. Lending					
1.					
2.					
III. Savings					
1. Banks					
2. Insurance policies					
3. Share market					
4. Cooperative societies					
5. Others					

2.9. Are you or anyone in your household a member of local chit funds or self-help groups (SHGs) run within/outside the village?
Yes/No

Program	Total members	Monthly contribution (Rs)	Amount accumulated till today by member	Share of fund/grant given by government	Total amount of chit	Auctioned the chit (yes/no)	If yes, amount received	Purpose of spending
I. SHG								
1								
2								
II. Chit fund								
1.								
2.								

2.10. What changes have you observed in the village in the past 20 years?

Facilities	Improved/Not improved	Reasons
Type of roads and transport		
Drainage and street lights		
Marketing facilities		
Communication		
Health and medical		

Drinking water		
Awareness		
Standard of living		
Literacy rates		

3. Changes in the cropping pattern

3.1. What major changes have you adopted in your present cropping pattern compared to 1985?

Crops	Main reasons			
	1	2	3	4
I. Area increased				
1.				
2.				
3.				
4.				
5.				
II. Area decreased				
1.				
2.				
3.				
4.				
5.				
III. Area constant				
1.				
2.				
3.				
IV. Completely stopped				
1.				
2.				
3.				
4.				
V. New crops				
1.				
2.				
3.				

3.2. Have you adopted any of the following technologies in recent years?

Type of technology	Adopted/not adopted/partially adopted	% area covered under this technology	Reasons for non/partial adoption
1. Tractors			
2. Tropicultor (implement)			
3. Improved/HYY seed			
4. Chemical fertilizer			
5. Herbicides			
6. Chemical pesticides			
7. Power sprayers/dusters			
8. IPM & IDM technologies			
9. Harvester			
10. Thresher			
Soil conservation practices			
1. Contour bunding			
2. Field bunds			
3. Bed and furrow			
4. Gully control checks			
5. Planting across the slope			
6. Check dams			
7. Grass/tree planting			
8. Farm pond			
9. Others			

4. Changes in the consumption pattern

4.1. What major changes have you made in your present consumption pattern compared to 1985 and how much quantity of the following items were required by your family from June 2001 to July 2002?

Food items	Change*	Quantity required (average)			
		Quantity (kg or L)	Day/Month/Year	Unit price (Rs)	Total cost (Rs)
I. Cereals					
1. Sorghum					
2. Pearl millet					
3. Finger millet					
4. Wheat					
5. Rice					

6. Others					
II. Pulses					
1. Pigeon pea					
2. Chickpea					
3. Green gram					
4. Black gram					
5. Cowpea					
6. Matki/Delicious lablab (Minor pulses)					
7. Masur dal/Lentil					
8. Others					
III. Other food items					
1. All types of oil					
2. Milk					
3. Milk products (ghee, butter)					
4. Vegetables					
5. Meat, fish and chicken					
6. Eggs					
7. Fruits					
8. Tea, coffee, sugar and jaggery					
9. Snacks, biscuits, candy, etc					
10. Chillies and spices					
11. Others					
IV. Nonfood items					
1. Toddy					
2. Alcohol					
3. Pan, beedi, cigarettes, etc					
4. Furniture		Yearly			
5. Jewelry		Yearly			
6. Clothing		Yearly			
7. Entertainment					
8. Education					
9. Medical					
10. Cosmetics					
11. Maintenance cost (TV, gas, vehicle, telephone, radio, etc)					
12. Travel and ceremonial		Yearly			
13. Gifts/dowry paid		Yearly			
14. Payment of electricity, water, telephone, star, etc		Monthly			

15. Payment to services (pot maker, barber, washer man, maidservant, carpenter, etc)		Yearly			
16. House improvements and tax		Yearly			
17. Others					
V. Farm inputs and labor wages					
1. Seed purchases		Yearly			
2. Fertilizer cost		Yearly			
3. Pesticide cost		Yearly			
4. Manure purchases		Yearly			
5. Hired machinery		Yearly			
6. Farm electricity/ fuel cost		Bimonthly			
7. Casual labor payment		Yearly			
8. Payment to RFS		Monthly			
9. Land taxes		Yearly			
10.					

* Increased/decreased/No change.

MODULE VI: IMPACT OF GOVERNMENT WELFARE PROGRAMS

1. Has any member of your household benefited from the following Government programs since 1985?

Program	Yes/ No	Year	Approximate amount benefited (Rs)
1. Land distribution (allotment of land)			
2. Housing scheme (allotment of house)			
3. Subsidized toilet construction (health scheme)			
4. Subsidy on construction of house			
5. Family planning			
6. IRDP (self-employment scheme)			
7. NREP (other employment schemes)			
8. Watershed management program			
9. Subsidy for digging wells and bore wells			
10. Drought relief program			
11. Crop insurance			
12. Agriculture input subsidy (seed, fertilizer and pesticides)			
13. Cheyutha camps (welfare for disabled persons)			
14. Adarana (subsidized supply of implements to artisans)			

15. Support for bonded and child laborers			
16. Jatiya Prasuthi Sahaya (Rs 1000 given to pregnant women to take nutritional food before and after delivery)			
17. Anganwadi program (improvement of nutrition and health of young children, pregnant women, lactating mothers and adolescent girls)			
18. Subsidy on bullocks, milch animals, sheep and goats, etc			
19. Subsidy on purchase of agriculture machinery			
20. National family benefit scheme (sudden death of earner)			
21. Deepam (cooking gas connections)			
22. Scholarships and economic assistance			
23. Others			

2. Has any member of your household benefited from the following Government programs during 2001/02?

Program	Yes/No	Approximate amount benefited (Rs)
1. Public Distribution System (PDS)		
2. Annapurna (supply of 10 kg of rice free of cost)		
3. Food for work		
4. Free health camps for people (TB, malaria, etc)		
5. Free veterinary camps (free medicines for livestock)		
6. Old age pension		
7. Widow pension		
8. Pension for the physically handicapped		
9. Employment guarantee scheme (EGS)		
10. Women self-help groups (SHGs/DWACRA)		
11. Others		

MODULE VII: COPING MECHANISMS

7.1. Have you experienced any severe drought that affected crop production since 1985?

Yes/No

7.2. If the answer is yes, please mention the years when there was a shortfall of income because of a crop failure due to severe drought.

Years

% shortfall in income

(a) -----

(b) -----

(c) -----

(d) -----

7.3. Did you adopt any coping mechanisms when there was a shortfall of income due to crop failure because of a severe and prolonged drought or due to pests and diseases? **Yes/No**

If yes, please rank the coping mechanisms in the order of importance

Coping mechanisms (if the problem is for one year)	Coping mechanisms (if there is persistent drought for more than one year)
1.	1.
2.	2.
3.	3.
4.	4.
5.	5.
6.	6.
7.	7.
8.	8.

MODULE VIII: MAJOR SOURCES OF HOUSEHOLD INCOME DURING 2001/2002

Sources	Gross income (Rs)	Expenditure (Rs)	Net income (Rs)
1. Agriculture			
2. Farm work (labor earnings)			
3. Non-farm work (labor earnings)			
4. Regular Farm Servant (RFS)			
5. Out-migration			
6. Remittances			
7. Livestock (sale of milk and milk products)			
8. Income from hiring out bullocks			
9. Income from selling meat and wool (goats, sheep, pigs and poultry, etc)			
10. Caste occupation (specify)			
11. Business (specify)			
12. Rental income (tractor, auto and sprayer, etc)			
13. Regular salaried jobs (Government/private)			
14. Stitching clothes (tailoring)			
15. Handicrafts (specify)			
16. Rent from leased out land, building, etc			
17. Interest on savings and earnings from money lending			
18. Selling Common property resources (firewood, fruits, stones, mats and leaf plates)			
19. Others (specify) -----			
20.			

MODULE IX: OTHERS

1. What are the major production constraints in your dryland field (rank in order of importance)?

Crops	Drought	Pests	Disease	Weed	Poor soil	Too much rain	Poor seed	Others	Specify pests	Specify diseases
Sorghum										
Millets										
Maize										
Groundnut										
Pigeon pea										
Chickpea										
Castor										
Cotton										
Sunflower										

2. Source of information on dryland agriculture (rank in order of importance)

Farm practices	Progressive farmers	Extension personnel	Shop-keeper	Krishi Vigyan Kendras	Relatives and friends	TV/ radio/newspaper	Others
3. Use of improved/HYV seeds							
2. Use chemical fertilizers							
3. Adoption of crop rotation							
4. Adoption of soil conservation practices							
5. Adoption of herbicides							
6. Pest control measures							
Type of pesticide							
Quantity to use							
Mixing of chemicals							
When to apply							

3. Production and utilization of crops during 2001/2002.

Crops	Output (kg)	Output utilization (kg)							Byproduct (q)		
		Consumption	Retained for own seed	Other uses	Sold				Own use	Sold	Price
					Seed	Price (kg)	Grain	Price (kg)			

MODULE X: LIVESTOCK ECONOMICS

1. Maintenance and returns from livestock during 2001/2002.

Type		Livestock						
		Draft animals	Cows	Buffaloes	Young stock	Sheep and goats	Poultry	Others
Rainy season (from 01-06-2001 to 30-09-2001)								
Dry fodder	Type 1							
	Quantity (qt/kg)							
	Price							
Dry fodder	Type 2							
	Quantity (qt/kg)							
	Price							
Green fodder	Type							
	Quantity (qt/kg)							
	Price							
Grazing	% Share in total fodder requirement							
	Value (Rs)							

Concen- trates and grain feed	Type							
	Quantity (kg)							
	Price							
Labor cost	Grazing (Rs)							
	Others (Rs)							
Other costs	Medicines (Rs)							
	Transport (Rs)							
	Ropes, veterinary (Rs)							
Changes	Death							
	Value (Rs)							
	Birth							
Production and income	Milk (L)							
	Price (Rs/L)							
	Dung (Qt)							
	Price (Rs/qt)							
	Wool/Eggs (kg/no.)							
	Price (Rs/kg/no.)							
	Hire income (Rs)							
	Days worked in the farm							
	Selling animals							
Winter season (from 01-10-2001 to 31-01-2002)								
Number of livestock								
Dry fodder	Type 1							
	Quantity (qt/kg)							
	Price							
Dry fodder	Type 2							
	Quantity (qt/kg)							
	Price							
Green fodder	Type							
	Quantity (qt/kg)							
	Price							
Grazing	% Share in total fodder requirement							
	Value (Rs)							
Concen- trates and grain feed	Type							
	Quantity (qt/kg)							
	Price							
Labor cost	Grazing (Rs)							
	Others* (Rs)							

Other cost	Medicines (Rs)							
	Transport (Rs)							
	Ropes, veterinary (Rs)							
Changes	Death							
	Value (Rs)							
	Birth							
Production and income	Milk (L)							
	Price (Rs/L)							
	Dung (Qt)							
	Price (Rs/qt)							
	Wool/Eggs (kg/no)							
	Price (Rs/kg/no.)							
	Hire income (Rs)							
	Days worked in the farm							
	Selling animals							
Summer season (from 01-02-2002 to 31-05-2002)								
Number of livestock								
Dry fodder	Type 1							
	Quantity (qt/kg)							
	Price							
Dry fodder	Type 2							
	Quantity (qt/kg)							
	Price							
Green fodder	Type							
	Quantity (qt/kg)							
	Price							
Grazing	% Share in total fodder requirement							
	Value (Rs)							
Concentrates and grain feed	Type							
	Quantity (qt/kg)							
	Price							
Labor cost	Grazing (Rs)							
	Others (Rs)							
Other cost	Medicines (Rs)							
	Transport (Rs)							
	Ropes, veterinary (Rs)							
Changes	Death							
	Value (Rs)							

	Birth							
Production and income	Milk (L)							
	Price (Rs/L)							
	Dung (Qt)							
	Price (Rs/qt)							
	Wool/Eggs (kg/no)							
	Price (Rs/kg/no.)							
	Hire income (Rs)							
	Days worked in his farm							
	Selling animals							

* Fodder collection, feeding, washing, tying, milking, cleaning cattle shed, etc

Note: This module was used for collecting crop-wise input-output data for the annual surveys carried out in 2001/02, 2002/03 and 2003/04 and the biannual survey in 2004/05.

MODULE XI: INPUT-OUTPUT INFORMATION

Name of the farmer: _____ Village: _____

Crop: _____ Variety: _____ Area: _____ Row arrangement/proportion: _____

Season: Rainy/post-rainy/summer Operations		Unit ³	Labor use ¹		Input/output		
			Quantity	Wages	Quantity	Unit price	Remarks
1A. Land preparation (plowing - primary and secondary tillage)	M	D					
	F	D					
	B	D					
	T	HR					
1B. Seedbed preparation (BBF/NBF/FLAT)	M	D					
	F	D					
	B	D					
	T	HR					
2. FYM/compost/sheep penning/tank silt application	M	D					
	F	D					
	B	D					
	T	HR					
FYM/compost		QT					
Animal penning		NO					
Date of sowing							
3. Planting/sowing	M	D					
	F	D					
	B	D					
4A. Seed:		KG					

Season: Rainy/post-rainy/summer Operations			Labor use ¹		Input/output		
			Unit ³	Quantity	Wages	Quantity	Unit price
Crop1							
Crop2		KG					
Crop3		KG					
4B. Seed treatment ----- -----	M	D					
	F	D					
		KG					
		KG					
5A. Fertilizer application ----- ----- ----- ----- -----	M	D					
	F	D					
		KG					
		KG					
		KG					
		KG					
		KG					
5B. Micronutrient application ----- ----- -----	M	D					
	F	D					
		KG					
		KG					
		KG					
6. Interculture	M	D					
	F	D					
	B	D					
7. Weeding/weedicide Application ----- -----	M	D					
	F	D					
	SP	HR					
		L					
		L					
8. Plant protection: spraying/dusting/shaking	M	D					

Season: Rainy/post-rainy/summer Operations		Unit ³	Labor use ¹		Input/output		
			Quantity	Wages	Quantity	Unit price	Remarks
plants/hand-picking pests) ----- ----- ----- -----							
	F	D					
	B	D					
	SP	HR					
	DU	HR					
9. Irrigation	M	D					
	F	D					
		HR					
Source of Irrigation							
10. Watching (birds, pigs etc,)	M	D					
	F	D					
11. Harvesting ² Crop 1 Crop 2 Crop 3	M	D					
	F	D					
	M	D					
	F	D					
	M	D					
	F	D					
12. Threshing Crop 1	M	D					
	F	D					
	B	D					
Crop 2	TH	HR					
	M	D					
	F	D					
	B	D					

Season: Rainy/post-rainy/summer Operations		Labor use ¹			Input/output		
		Unit ³	Quantity	Wages	Quantity	Unit price	Remarks
Crop 3	TH	HR					
	M	D					
	F	D					
	B	D					
	TH	HR					
	13. Marketing (including transport, storage and labor charges)	M	D				
	F	D					
	B	D					
	T	HR					
14. Fixed costs: Land Rent		RS					
Cash							
Kind		KG					
Land tax							
15. Grain yield: Crop1		KG					
Crop 2		KG					
Crop 3		KG					
		KG					
		KG					
16. Fodder yield: Crop 1		QT					
Crop 2		QT					
Crop 3		QT					
		QT					
		QT					
17. Stalk: -----		QT					

Season: Rainy/post-rainy/summer			Labor use ¹		Input/output		
Operations							
		Unit ³	Quantity	Wages	Quantity	Unit price	Remarks
-----		QT					

1. Labor input includes total labor days put in by family and hired labor for each operation.
2. Estimate the labor requirement if you had entrusted harvesting to contractor
3. Clearly specify the units (e.g.- 5 kg, FYM - 2 q, etc).

D = Days, HR = Hours, KG = Kilogram, QT = Quintals, L = Liters and RS = Rupees.

M = Male labor, F = Female labor, B = Bullock labor.

T = Tractor/Truck, TH = Thresher, SP = Sprayer, DU = Duster.

Note a: In irrigation operation use type of irrigation source (canal, tank, dug well, bore well, etc)

Note b: Cost of hiring tractors\bullocks includes cost of operator.

Note c: Ask/calculate land rent for particular crop only.

Appendix 2

Household Survey Questionnaire for ICAR-ICRISAT Village Level Studies (VLS) Project in India (2002/03)

MODULE I: GENERAL INFORMATION

1. Village information

- 1.1. Village: ----- 1.2. Mandal/Block: -----
1.3. District: ----- 1.4. State: -----
1.4. Nearest market town: ----- 1.6. Distance from village (km): -----

2. Household information

- 3.1. Name of the head: -----
3.2. Son/wife/daughter of: -----
3.3. Caste: -----
3.4. Old VLS H.H. No.: -----
3.5. New VLS H.H. No.: -----
3.6. Present farm-size group: -----
3.7. Are you/anybody in your family a member of any elected or nominated body (specify details): -----

3. Family composition (changes in the family due to births, deaths, marriages and family division):

Name	Status *	Relationship with head of household	Sex	Age	Education			Occupations		
					Years	Place**	Distance	1	2	3

* Birth = 1; Entered the family by marriage = 2; Rejoined the family = 3; Joined the family due to other reason = 4; Death = 5; Left the family due to marriage = 6; Left due to family division = 7; and left the family due to other reason = 8.

** Place at which the member last studied.

MODULE II: LANDHOLDING DETAILS

1. Changes in operational landholding due to sale, purchase, lease and family division during 2002/03

Plot name	Area (acres)	Status ¹	Price (Rs/acre) if sold/purchased/gifted	Whom	Reasons for buying/selling

¹. Purchased = 1; Received as gift = 2; Sold = 3; Gifted out = 4; Family division = 5; Taken on lease/share basis = 6; Owned but leased/shared-out = 7; Taken back from tenant to cultivate himself = 8; and Given back to land owner = 9.

2. Landholding in 2002/03 (area in acres)

Particulars	Dryland	Irrigable	Permanent fallow	Total area
Own land				
Leased/shared-in				
Leased/shared-out				
Operated area (own land + leased/shared-in - leased/shared-out area)				

MODULE III: CROPPING PATTERN

1. Cropping pattern during 2002/2003 (area in acres)

Plot name (code/no.)	Owner- ship*	Crop	Row arrangement /Proportion	Name of the variety	Croppe d area (acres)	Value (Rs / acre)	Sea- son	Irrigated area (acres)	Main production (kg)	Price /kg	Byproduct (qt)	Price/qt

* Use codes: Own land (OW); Leased-in (LI); Leased-out (LO); Shared-in (SI); and Shared-out (SO).

MODULE IV: HOUSEHOLD RESOURCES

1. Livestock inventory of the household in 2002/03

Particulars	Number	Breed	Age (months)	Mode of acquisition ¹	Year of purchase	Purchase price (Rs)	Source of finance	Present value (Rs)
1. Bullocks								
2. He-buffaloes								
3. She-buffaloes								
4. Cows								
5. Young stock								
6. Goats								
7. Sheep								
8. Pigs								
9. Camel								
10. Poultry								
11. Others (specify)								

1. On-farm rearing = 1; Purchase = 2; and Gift = 3.

2. Farm equipment of the household during 2002/03

Item	Number	Horse power	Year of purchase	Purchase price (Rs)	Source of finance	Present value (Rs)
1. Tractor						
2. Thresher						
3. Open dug wells:						
3.1. Electric						
3.2. Diesel						
4. Tube wells:						
4.1. Electric						
4.2. Diesel						
5. Seed drill						
6. Sprinkler set						
7. Drip irrigation						
8. Power sprayer/duster						
9. Modern plow						
10. Thresher						
11. Cane crusher						
12. Agro processing unit						
13. Rice/flour mill/grinding						
14. Truck/auto/trolley						
15. Bullock cart						
16. Other minor implements						
17. Others (specify)						

3. Farm building of the household during 2002/03

Item	Facilities	Value (Rs)
1. Residential house		
1.1. Type of house ¹		
1.2. Toilet	Yes/No	
1.3. Bathroom	Yes/No	
1.4. Electrified	Yes/No	
1.5. Tap water connection	Yes/No	
1.6. Drinking water well	Yes/No	
1.7. Cooking gas (LPG)	Yes/No	
1.8. Gobar gas plant	Yes/No	
1.9. Television (Black/White)	Yes/No	
1.9. Star connection (Cable TV)	Yes/No	

1.10. Fridge	Yes/No	
1.11. Telephone	Yes/No	
1.12. Others (specify)	Yes/No	
2. Farmhouse		
3. Residential plot		
4. Consumer durable		
4.1. Two-wheeler vehicle		
4.2. Gold and silver		
4.3. Furniture		
4.4. Household utensils		
4.5. Fan, radio, tape recorder, etc		
4.6. Others (specify)		
4.7.		

¹ Strong walls and RCC roof = 1; Strong walls and other type of roof = 2; Mud walls with thatched roof = 3; Mud walls with other roof = 4; and Others (Specify) _____ = 5.

4. Production and utilization of crop and livestock products during 2002/03.

Crops	Output (kg)	Output utilization (kg)								Byproduct (q)			
		Consumption	Retention for own seed	Other uses	Sold					Own use	Sold	Price	
					Quantity (K/L)	Unit price	Place	Distance (km)	To whom ¹				
1. Crops													
2. Livestock products													
Milk (L)													
Butter (kg)													
Ghee (kg)													
Khoa (kg)													
Others (kg)													

¹ Village shop = 1; Primary market = 2; Secondary market = 3; Regulated market = 4; Others - 5 (Specify)-----.

5. What is the position of your financial assets and liabilities during 2002/03?

Sources	Amount (Rs)	Purpose	Interest rate	Outstanding
<u>I. Borrowings</u>				
1.				
2.				
3.				
4.				
<u>II. Lending</u>				
1.				
2.				
<u>III. Savings</u>				
1. Banks				
2. Insurance policies (LIC etc)				
3. Share market				
4. Cooperative societies				
5. Chit funds				
6. Self-help groups (SHG)				
7. Others				

6. Annual household expenses from July 2002 to June 2003

Item	Average monthly amount spent (Rs)	Average yearly amount spent (Rs)
Recurring expenses		
1. Food		
1.1. Cereals		
1.2. Pulses		
1.3. Oils/butter/ghee		
1.4. Vegetables/mutton/chicken		
1.5. Milk and milk products		
1.6. Fruits		
1.7. Others		
2. Nonfood items		
2.1. Education		
2.2. Medical		
2.3. Clothing		
2.4. Travel		
2.5. Ceremonies and functions		
2.6. Marriage including dowry		
2.7. Payment for services		

2.8. Electricity, telephone, water, house repairs		
2.9. Others		
2.10		
Nonrecurring expenses		
1.		
2.		
3.		

MODULE V: MAJOR SOURCES OF HOUSEHOLD INCOME DURING 2002/2003

Sources	Gross income (Rs)	Expenditure (Rs)	Net income (Rs)
1. Agriculture			
2. Farm work (labor earnings)			
3. Non-farm work (labor earnings)			
4. Regular Farm Servant (RFS)			
5. Out-migration			
6. Remittances			
7. Livestock (sale of milk and milk products)			
8. Income from hiring out bullocks			
9. Income from selling meat and wool (goat, sheep, pigs, poultry, etc)			
10. Caste occupation (specify)			
11. Business (specify)			
12. Rental income (tractor, auto-rickshaw sprayer, etc)			
13. Regular salaried jobs (Government/private)			
14. Tailoring			
15. Handicrafts (specify)			
16. Rent from leased-out land, building, etc			
17. Interest on savings and from money lending			
18. Selling CPRs (firewood, fruits, stones, mats and leaf plates)			
19. Others (specify) Dowry received (both cash and kind)			
20. Selling of water for agriculture purposes			
21. Others			

MODULE VI: IMPACT OF DEVELOPMENT/WELFARE PROGRAMS DURING 2002/03

Name of the program	Yes/No	Approximate amount (Rs)
1. Jawahar Gram Samridhdi Yojana		
2. Swarnajayanti Gram Swarozgar Yojana		
3. Rajiv Gandhi National Drinking Water Mission		
4. Indira/Samagra Awas Yojana		
5. Centrally sponsored rural sanitation program		
6. Drought-Prone Areas Program		
7. Desert development program		
8. Wasteland development		
9. Employment guarantee scheme		
10. Food for Work		
11. Targeted public distribution system		
12. National project on biogas development		
13. Integrated Rural Development Program		
14. Integrated rural energy program		
15. Integrated cattle development program		
16. Integrated dairy development program		
17. Integrated mother and child development program		
18. Soil and water conservation program		
19. Fish farmers development program		
20. Watershed management project		
21. Operation Flood		
22. Universal immunization program		
23. Old age pensions		
24. Pension for the physically handicapped		
25. Widows' pension		
26. Drought relief program		
27. Crop insurance		
28. Agriculture input subsidy/crop production program		
29. Deepam (subsidized LPG gas connections)		
30. Land distribution		
31. Allotment of house/subsidy on construction		
32. Family planning		
33. Supply of implements to artisans		
34. National family benefit scheme (sudden death of earner)		
35. Scholarships and economic assistance		
36. Subsidy on purchase of agricultural machinery		
37. Support for bonded and child laborers		
38. Mid-day meal scheme		
39. Others		
40.		
41.		

MODULE VII: LIVESTOCK ECONOMICS

1. Maintenance of and returns from livestock during 2002/2003

Rainy (kharif) season (01-06-2002 to 30-09-2002)								
Type		Draft animals	Cows	Buffaloes	Young stock	Sheep/goats	Poultry	Others
Number								
Dry fodder	Type 1							
	Quantity (qt/kg)							
	Price							
Dry fodder	Type 2							
	Quantity (qt/kg)							
	Price							
Green fodder	Type							
	Quantity (qt/kg)							
	Price							
Grazing	% share in total fodder requirement							
	Value (Rs)							
Concentrates and grain feed	Type							
	Quantity (kg)							
	Price							
Labor costs	Grazing (Rs)							
	Others (Rs)							
Other costs	Medicines (Rs)							
	Transport (Rs)							
	Ropes, veterinary (Rs)							
Changes	Deaths							
	Value (Rs)							
	Births							
Production and income	Milk (L)							
	Price (Rs/L)							
	Dung (qt)							
	Price (Rs/qt)							
	Wool/Eggs (kg/no)							
	Price (Rs/kg/no.)							
	Hire income (Rs)							
	Days worked in own farm							
	No. of animals sold							
	Amount (Rs)							

Winter (rabi) season (01-10-2002 to 31-01-2003)								
Type		Draft animals	Cows	Buffaloes	Young stock	Sheep/goat	Poultry	Others
Number								
Dry fodder	Type 1							
	Quantity (qt/kg)							
	Price							
Dry fodder	Type 2							
	Quantity (qt/kg)							
	Price							
Green fodder	Type							
	Quantity (qt/kg)							
	Price							
Grazing	% share in total fodder requirement							
	Value (Rs)							
Concentrates and grain feed	Type							
	Quantity (kg)							
	Price							
Labor costs	Grazing (Rs)							
	Others (Rs)							
Other costs	Medicines (Rs)							
	Transport (Rs)							
	Ropes, veterinary (Rs)							
Changes	Deaths							
	Value (Rs)							
	Births							
Production and income	Milk (L)							
	Price (Rs/L)							
	Dung (qt)							
	Price (Rs/qt)							
	Wool/Eggs (kg/no)							
	Price (Rs/kg/no.)							
	Hire income (Rs)							
	Days worked in own farm							
	No. of animals sold							
	Amount (Rs)							

Summer season (01-02-2003 to 31-05-2003)								
Type		Draft animals	Cows	Buffaloes	Young stock	Sheep/goats	Poultry	Others
Number								
Dry fodder	Type 1							
	Quantity (qt/kg)							
	Price							
Dry fodder	Type 2							
	Quantity (qt/kg)							
	Price							
Green fodder	Type							
	Quantity (qt/kg)							
	Price							
Grazing	% share in total fodder requirement							
	Value (Rs)							
Concentrates and grain feed	Type							
	Quantity (kg)							
	Price							
Labor costs	Grazing (Rs)							
	Others (Rs)							
Other costs	Medicines (Rs)							
	Transport (Rs)							
	Ropes, veterinary (Rs)							
Changes	Deaths							
	Value (Rs)							
	Births							
Production and income	Milk (L)							
	Price (Rs/L)							
	Dung (qt)							
	Price (Rs/qt)							
	Wool/Eggs (kg/no)							
	Price (Rs/kg/no.)							
	Hire income (Rs)							
	Days worked in own farm							
	No. of animals sold							
	Amount (Rs)							

2. (a) % of dung used as manure -----; (b) Firewood -----; (c) House and courtyard maintenance -----; (d) Others (specify) -----.

MODULE VIII: SOCIOECONOMIC, AGROBIOLOGICAL AND INSTITUTIONAL ASPECTS

1. How do you consider the climatic conditions (rainfall) during 2002/03 cropping year?

- (a) Good
- (b) Normal
- (c) Bad
- (d) Very bad

2. What is your opinion about the rainfall pattern during 2002/03 cropping year?

Characteristics	Observations
1. Quantum of rainfall	
2. Distribution of rainfall	
3. Number of rainy days	
4. Outlier events	
5. Arrival of monsoons	
6. Availability of water in resources (tank, well etc.)	
7. Temperature (winter)	
8. Temperature (summer)	

3. Did you or your family members try to dig open dug wells or bore wells during 2002/03?

Yes/No

If the answer is yes, please answer the following questions:

Type	Number of attempts	Depth (ft) of each attempt	Successful attempts	Presently in use	Total amount (Rs) spent including failed attempts
1. Open dug wells					
2. Bore wells					
3. In-well bores					
4. Deepening of wells					

4. What has been the situation in the village labor market during 2002/03?

Characteristics	Observations
1. Opportunities for farm work	
2. Opportunities for non-farm work	
3. Involuntary unemployment days	

5. What are the prevailing wage/rental rates for workers, bullocks and machinery in your village during 2002/03?

Type of work	Day/Month/Year/Acre	Average working hours/day	Male	Female	Bullocks with operator	Tractor
Farm work						
Non-farm work						
Regular farm servant						
Others _____						

6. How many members of your family participated in the village labor market during 2002/03?

Name	Sex	Status*	Type of work	Employment days	Wage rate/day	Total earnings (Rs)	Involuntary unemployment days	Amount (Rs) received as advance

* Daily wage earner, monthly worker and working as regular farm servant (RFS).

7. How many members of your family temporarily migrated during 2002/03?

Name	Sex	Place	Distance (km)	Type of work	Employment days	Wage rate	Total (Rs)	Amount spent during stay (Rs)	Involuntary unemployment days	Amount received as advance (Rs)

8. How many members of your family participated in caste occupations during 2002/03?

Name	Sex	Type of occupation*	Days worked during the year	Working hours/day	Approximate income received (Rs)

* Toddy-tapping, toddy selling, carpentry, goldsmith, mason, washer man, barber, sheep rearing, butcher, pottery, basket-making, weaving, religious services, cobbler, etc.

2. Sources of information for dryland agriculture (rank in order of importance)

Decision	Progressive farmers	Extension personnel	Shop-keeper	Krishi Vigyan Kendra	Relatives and friends	TV/ radio/ newspaper	Others
1. Use of improved/HYV seeds							
2. Use of chemical fertilizers							
3. Adoption of crop rotation							
4. Adoption of soil conservation practices							
5. Adoption of herbicides							
6. Pest control measures							
6.1. When to apply							
6.2. Type of pesticide							
6.3. Quantity to use							
6.4. Mixing of chemical							

MODULE XI: WATER AND SOIL CONSERVATION MEASURES

1. Plot characteristics and soil conservation practices adopted by the farmer in newly acquired plots and existing plots during 2002/03

Plot name and serial no.	Distance from home (km)	Distance from well/tank/pond (km)	Area (acres)	Irrigable area (acres)	Source of irrigation	Land tenure ¹	Soil type ²	Soil depth ³	Soil fertility ⁴	Slope ⁵	Soil degradation ⁶	No. of trees	Value for acre (Rs)

1. 1 = Owned; 2 = Leased-out; 3 = Shared-out; 4 = Leased-in; and 5 = Shared-in.
2. 1 = Red soil; 2 = Sandy soil; 3 = Murram soil; 4 = Deep black; 5 = Medium black; 6 = Shallow soil; 7 = Sandy loam; 8 = Saline; and 9 = Alkaline.
3. 1 = Shallow (<0.5 m) ; 2 = Medium (0.6-1 m) ; 3 = Deep (1.1-1.5 m) ; and 4 = Very deep (>1.5 m).
4. 1 = Very poor; 2 = Poor; 3 = Good; and 4 = Very good.
5. 1 = Level (0-1%); 2 = Slight slope (1-3%); 3 = Medium slope (3-10%); and 4 = high slope (>10%).
6. 1 = No problem; 2 = Soil erosion; 3 = Nutrient depletion; 4 = Water logging; 5 = Salinity/alkalinity/acidity; and 6 = Others -----.

2. Benefits perceived by the farmer in adopting soil conservation practices during 2002-03 in all plots (old and new)

Plot no.	Type of soil conservation measure ¹	Total cost ² (Rs)	Farmer's share in total cost (%)	Cost of maintenance of structures per year	No. of years benefits expected	Benefits perceived by the farmer (%) ³				Main reasons for increase/not increasing benefits		Mitigation measures to counteract soil fertility decline ⁴
						Increase in soil fertility	Control of soil erosion	Increased crop yield	Others	1	2	

1. Soil conservation measures: 0 = Did not adopt any measure; 1 = Land leveling; 2 = Field/boundary bunds; 3 = Contour bunds; 4 = BBF; 5 = Tree/grass plantation; 6 = Check dams; 7 = Water harvesting structures (farm pond, etc) ; and 8 = Others (specify) -----.
2. Write zero if the soil conservation structures were constructed by the Government free of cost.
3. If the farmer perceived any benefits (use codes): 1 = Increased by 10%; 2 = Increased by 11%-25%; 3 = Increased by 26%-50%; 4 = Increased by 51%-75%; and 5 = Increased by more than 75%. If farmer did not perceive any benefits (use codes): 6 = No change; 7 = Fell by 10%; 8 = Fell by 11%-25%; 9 = Fell by 26%-50%; 10 = Fell by 51%-75%; and 11 = Fell by more than 75%.
4. Mitigation measure: 1 = Increased FYM use; 2 = Increased use of chemical fertilizer; 3 = Seasonal fallow; 4 = Soil and water conservation measures; 5 = Shift to new crops; and 6 = Others (specify) -----.

Note: Repeat the same plot number with soil conservation code if a farmer had adopted different types of soil conservation practices in the same main plot.

3. Were the crops grown by you during 2002/03 covered by crop insurance?

Yes/No

If the answer is yes

Crops	Area sown (acres)	Loan taken (Rs)	Premium paid (Rs)	Amount of coverage (Rs)	Indemnity received, if any (Rs)

4. Did you receive any Government help as a drought relief measure during 2002/03?

Yes/No

If the answer is yes

Crops	Area (acres)	Form of support ¹	Amount benefited (Rs)

1 Land revenue remission = 1; Support for purchase of seed for next crop season = 2; Rescheduling of loans = 3; Cash compensation = 4; and Interest waiver = 5.

Appendix 3

Household Survey Questionnaire for ICAR-ICRISAT Village Level Studies (VLS) Project in India (2003/04)

MODULE I: GENERAL INFORMATION

1. Village information

- 1.1. Village: ----- 1.2. Mandal/Block: -----
1.3. District: ----- 1.4. State: -----
1.5. Market town: ----- 1.6. Distance from village (km): -----

2. Household information

- 2.1. Name of the head: -----
2.2. Son/wife/daughter of: -----
2.3. Caste: -----
2.4. Old VLS H.H. No: -----
2.5. New VLS H.H. No. -----
2.6. Present farm-size group: -----
2.7. Are you/anybody in your family a member of any elected or nominated body (specify the details): -----

3. Family composition (changes in the family due to births, deaths, marriage and family division) in 2003-04):

Name	Status*	Relationship with head of household	Sex	Age	Education			Occupations	
					Years	Place**	Distance	Primary	Secondary

* Birth = 1; Entered the family by marriage = 2; Rejoined the family = 3; Joined the family due to other reason = 4; Death = 5; Left the family due to marriage = 6; Left due to family division = 7; and Left the family due to other reasons = 7.

** Place at which last studied.

MODULE II: LANDHOLDING DETAILS

1. Changes in the operational holding due to sale, purchase, lease and family division during 2003/04.

Plot name	Area (acres)	Status ¹	Price (Rs/acre) if sold/purchased/gifted	Whom	Reasons for buying/selling

¹ Purchased = 1; Received as gift = 2; Sold = 3; Gifted out = 4; Family division = 5; Taken on lease/share basis = 6; Owned but leased/shared-out = 7; Taken back from tenant to cultivate himself - 8; and Given back to land owner = 9.

2. Landholding in 2003-04 (area in acres)

Particulars	Dryland	Irrigable	Permanent fallow	Total area
Own land				
Leased/shared-in				
Leased/shared-out				
Operated area (own land + leased/shared-in - leased/shared-out area)				

MODULE III: CROPPING PATTERN

1. Cropping pattern during 2003/04 (area in acres).

Plot name (code/no.)	Owner ship*	Area (acre)	Value (Rs/ acre)	Name of the crop	Row arrange ment/ proportion	Name of the variety	Cropped area (acres)	Sea -son	Irrigate d area (acres)	Main produ- ction (kg)	Price/ kg	Bypro duct (qt)	Price /qt

*Use codes. Own land (OW), Leased-in (LI), Leased-out (LO), Shared-in (SI) and Shared-out (SO). Season codes: K = kharif, R = rabi, S = summer and P = perennial.

MODULE IV: HOUSEHOLD RESOURCES

1. Livestock inventory of the household in 2003/04.

Particulars	Num-ber	Breed	Age months	Mode of acquisition ¹	Year of purchase	Purchase Price (Rs)	Source of finance	Present value (Rs)
1. Bullocks								
2. He-buffaloes								
3. She-buffaloes								
4. Cows								
5. Young stock								
6. Goats								
7. Sheep								
8. Pigs								
9. Camel								
10. Poultry								
11. Donkey								
12. Others (Specify)								
13.								

1. On-farm rearing = 1; Purchase = 2; and received as gift = 3.

2. Farm equipment of the household during 2003/04

Item	Number	Horsepower	Year of purchase	Purchase price (Rs)	Source of finance	Present value (Rs)
1. Tractor						
1.1.						
2. Thresher						
3. Open dug wells:						
3.1. Electric motor						
3.2. Diesel pump						
4. Tube wells:						
4.1. Electric motor						
4.2. Diesel pump						
5. Seed drill						
6. Sprinkler set						
7. Drip irrigation						
8. Power sprayer/duster						
9. Modern plow						
10. Manual sprayers/dusters						
11. Cane crusher						
12. Agro-processing unit						
13. Rice/flour mill/grinding						
14. Truck/auto-rickshaw/trolley						
15. Bullock cart						
16. Other minor implements						
17. Others (specify)						

3. Building of the household during 2003-04

Item	Facilities	Value (Rs)
1. Residential house		
1.1. Type of house ¹		
1.2. Toilet	Yes/No	
1.3. Bathroom	Yes/No	
1.4. Electrified	Yes/No	
1.5. Tap water connection	Yes/No	
1.6. Drinking water well	Yes/No	
1.7. Cooking gas (LPG)	Yes/No	

Pearl millet												
2. Livestock Products												
Milk (L)												
Ghee (kg)												
Wool (kg)												
Eggs (no.)												
FYM (Qt)												

¹. Village shop = 1; Primary market = 2; Secondary market = 3; Regulated market = 4; and Others = 5 (specify).

5. What is the position of your financial assets and liabilities during 2003/04?

Sources	Amount (Rs)	Purpose	Interest rate	Outstanding
I. Borrowings				
1. Moneylender				
2. Nationalized banks				
3. Cooperative institutions				
4. Friends and relatives				
5. Finance companies				
6. Others				
II. Lending				
1. Villagers				
2.				
III. Savings				
1. Banks				
2. Insurance policies				
3. Share market				
4. Cooperative societies				
5. Chit funds				
6. Self-help Groups(SHG)				
7. Post office				

6. Annual household expenses on food and non-food items during 2003/2004

Food items	Quantity required			
	Quantity kg/ L	Day/Mon/Year	Unit price (Rs)	Total cost (Rs)
I. Cereals				
1. Sorghum				
2. Pearl millet				
3. Maize				
4. Wheat from PDS				
5. Wheat from other sources				
6. Rice from PDS				
7. Rice from other sources				
8. Others				
II. Pulses				
1. Pigeon pea				
2. Chickpea				
3. Green gram				
4. Black gram				
5. Cowpea				
6. Matki/D. lablab (Minor pulses)				
7. Masur dal/Lentil				
8. Others				
III. Other food items				
1. All types of edible oils				
2. Milk				
3. Milk products (ghee, butter)				
4. Tea, coffee, sugar and jaggery		Monthly		
5. Meat, chicken, fish and eggs		Monthly		
6. All types of vegetables		Monthly		
7. Dry and green chillies		Monthly		
8. All spices		Monthly		
9. Onion, garlic, ginger		Monthly		
10. All fruits		Monthly		
11. Fast foods (sweets, groundnut, etc)		Monthly		
IV. Nonfood expenditure				
1. Toddy and wine		Monthly		
2. Pan, tobacco, beedi, cigar, etc		Monthly		
3. Cosmetics (hair oil, soaps, paste)		Monthly		
4. Clothing		Yearly		

5. Jewelry		Yearly		
6. Medical		Yearly		
7. Entertainment		Yearly		
8. Education		Yearly		
9. LPG, kerosene, etc		Yearly		
10. Furniture		Yearly		
11. Maintenance costs (TV, gas, vehicle, telephone, radio, etc)		Yearly		
12. Travel and ceremonial		Yearly		
13. Gifts		Yearly		
14. Payment of electricity, water, telephone, star (cable TV) , etc.		Yearly		
15. Payment for services (pot-maker, barber, carpenter, etc)		Yearly		
16. House improvement and tax		Yearly		
17. Marriage expenses		Yearly		
18. Dowry paid		Yearly		

MODULE V: MAJOR SOURCES OF HOUSEHOLD INCOME DURING 2003/2004

Sources	Net income (Rs)
1. Agriculture	
2. Farm work (labor earnings)	
3. Non-farm work (labor earnings)	
4. Regular Farm Servant (RFS)	
5. Out-migration	
6. Remittances	
7. Livestock (sale of milk and milk products)	
8. Income from hiring out bullocks	
9. Income from selling sheep, goats, chicken, meat, eggs, wool, etc	
10. Caste occupation (specify)	
11. Business (specify)	
12. Rental income (tractor, auto-rickshaw, sprayer, truck, etc)	
13. Regular salaried jobs (Government/private)	
14. Tailoring	
15. Handicrafts (specify)	
16. Rent from leased-out land and building, etc	
17. Interest on savings and from money lending	
18. Selling CPR (firewood, fruits, stones, mats and leaf plates)	

19. Dowry received (both cash and kind)	
20. Gifts received (cash and kind)	
21. Selling of water for agriculture purposes	
22. Pension from employer	
22. Government welfare/development programs	
23. Others	
24.	

1. Are the crops grown by you during 2003/04 covered by crop insurance?

Yes/No

If yes, please answer the following questions

Crop name	Area (acres)	Premium amount Paid (Rs)	Amount received as crop insurance (Rs)

MODULE VI: IMPACT OF DEVELOPMENT/WELFARE PROGRAMS DURING 2003/04

Name of the program	Yes/No	Approximate benefit (Rs)
1. Jawahar Gram Samridhhi Yojana		
2. Swarnajayanti Gram Swarozgar Yojana		
3. Rajiv Gandhi National Drinking Water Mission		
4. Indira/Samagra Awas Yojana		
5. Centrally sponsored rural sanitation program		
6. Drought-Prone Areas Program		
7. Desert development programs		
8. Wasteland development		
9. Employment guarantee scheme		
10. Food for Work		
11. Targeted public distribution systems		
12. National project on biogas development		
13. Integrated Rural Development Program		
14. Integrated rural energy program		
15. Integrated cattle development program		
16. Integrated dairy development program		

17. Integrated mother and child development program		
18. Soil and water conservation program		
19. Fish farmers development programs		
20. Watershed management project		
21. Operation Flood		
22. Universal immunization program		
23. Old-age pension		
24. Pension for the physically handicapped		
25. Widow pension		
26. Drought relief program		
27. Crop insurance		
28. Agriculture input subsidy/crop production program		
29. Deepam (subsidized LPG gas connections)		
30. Land distribution		
31. Allotment of house/subsidy on construction		
32. Family planning		
33. Supply of implements to artisans		
34. National family benefit scheme (sudden death of main earning member)		
35. Scholarships and economic assistance		
36. Subsidy on purchase of agricultural machinery		
37. Support for bonded and child laborers		
38. Mid-day meal scheme		
39. Livestock relief camp		
40. Subsidies on toilet/bathroom construction.		
41. Others		
42.		
43.		
44.		

MODULE VII: LIVESTOCK ECONOMICS

1. Maintenance and returns from livestock during 2003/04

Rainy (kharif) season (01-06-2003 to 30-09-2003)

Type	Draft animals	Cows	Buffaloes	Young stock	Sheep/goats	Poultry	Others
Number							
Dry fodder	Type 1						
	Quantity (qt/kg)						
	Price						

Dry fodder	Type 2							
	Quantity (qt/kg)							
	Price							
Green fodder/grasses	Type							
	Quantity (qt/kg)							
	Price							
Grazing	% share in total fodder requirement							
	Value (Rs)							
Concentrates and grain feed	Type							
	Quantity (kg)							
	Price							
Labor costs	Grazing (Rs)							
	Others (Rs)							
Other costs	Medicines (Rs)							
	Transport (Rs)							
	Ropes, veterinary (Rs)							
Changes	Deaths							
	Value (Rs)							
	Births							
Production and income	Milk (L)							
	Price (Rs/L)							
	Dung (qt)							
	Price (Rs/qt)							
	Wool/Eggs (kg/no)							
	Price (Rs/kg/no.)							
	Hire income (Rs)							
	Days worked on own farm							
	No. of animals sold							
	Amount (Rs)							
Winter (rabi) season (01-10-2003 to 31-01-2004)								
Type		Draft animals	Cows	Buffaloes	Young stock	Sheep/goats	Poultry	Others
Number								
Dry fodder	Type 1							
	Quantity (qt/kg)							
	Price							
Dry fodder	Type 2							
	Quantity (qt/kg)							

	Price							
Green fodder/grasses	Type							
	Quantity (qt/kg)							
	Price							
Grazing	% share in total fodder requirement							
	Value (Rs)							
Concentrates and grain feed	Type							
	Quantity (kg)							
	Price							
Labor costs	Grazing (Rs)							
	Others (Rs)							
Other costs	Medicines (Rs)							
	Transport (Rs)							
	Ropes, veterinary (Rs)							
Changes	Deaths							
	Value (Rs)							
	Births							
Production and income	Milk (L)							
	Price (Rs/L)							
	Dung (qt)							
	Price (Rs/qt)							
	Wool/Eggs (kg/no)							
	Price (Rs/kg/no.)							
	Hire income (Rs)							
	Days worked in own farm							
	No. of animals sold							
Amount (Rs)								

Summer season (01-02-2004 to 31-05-2004)

Type		Draft animals	Cows	Buffaloes	Young stock	Sheep/goat	Poultry	Others
Number								
Dry fodder	Type 1							
	Quantity (qt/kg)							
	Price							
Dry fodder	Type 2							
	Quantity (qt/kg)							
	Price							
Green	Type							

fodder/grasses	Quantity (qt/kg)							
	Price							
Grazing	% share in total fodder requirement							
	Value (Rs)							
Concentrates and grain feed	Type							
	Quantity (kg)							
	Price							
Labor costs	Grazing (Rs)							
	Others (Rs)							
Other costs	Medicines (Rs)							
	Transport (Rs)							
	Ropes, veterinary (Rs)							
Changes	Death							
	Value (Rs)							
	Birth							
Production and income	Milk (L)							
	Price (Rs/L)							
	Dung (qt)							
	Price (Rs/qt)							
	Wool/Eggs (kg/no)							
	Price (Rs/kg/no.)							
	Hire income (Rs)							
	Days worked in his own farm							
	No. of animals sold							
	Amount (Rs)							

2. (a) % of dung used as manure -----; (b) Firewood -----; (c) House and courtyard maintenance -----; (d) Others (specify) -----.

MODULE VIII: SOCIOECONOMIC, AGROBIOLOGICAL AND INSTITUTIONAL ASPECTS

1. How do you consider the climatic conditions (rainfall) during 2003-04 cropping year?

- (a) Good
- (b) Normal
- (c) Bad
- (e) Very bad

2. What is your opinion about the rainfall pattern during 2003/04 cropping year?

Characteristics	Observations
1. Quantum of rainfall	
2. Distribution of rainfall	
3. Number of rainy days	
4. Outlier events	
5. Arrival of monsoons	
6. Availability of water in resources (tank, wells, etc.)	
7. Temperature (winter)	
8. Temperature (summer)	

3. Did you or your family members try to dig open dug wells or bore wells during 2003/04?

Yes/No

If the answer is yes, please answer the following questions:

Type	Number of attempts	Depth (ft) of each attempt	Successful attempts	Presently in use	Total amount (Rs) spent including failed attempts
1. Open dug wells					
2. Bore wells					
3. In-well bores					
4. Deepening of well					

4. What were the prevailing wage/rental rates for workers, bullocks and machinery in your village during 2003/04?

Type of work	Day/month/year/acre	Average working hours/day	Male	Female	Bullocks with operator	Tractor
Farm work						
Non-farm work						
Regular farm servant						
Others _____						

5. How many members of your family participated in the village labor market during 2003/04?

Name	Sex	Status*	Type of work	Employment days	Wage rate (day)	Total earnings (Rs)	Involuntary unemployment days	Amount (Rs) received as advance

* Daily wage earner, monthly worker and working as regular farm servant (RFS).

6. How many members of your family temporarily migrated during 2003/04?

Name	Sex	Place	Distance (km)	Type of work	Employment days	Wage rate/day	Total (Rs)	Amount (Rs) spent during stay	Involuntary unemployment days	Amount (Rs) received as advance

7. How many members of your family participated in caste occupations during 2003/04?

Name	Sex	Type of occupation*	Days worked during the year	Working hours/day	Approximate income received (Rs)

* Toddy tapping, toddy selling, carpentry, goldsmith, mason, washer man, barber, sheep rearing, butcher, pottery, basket-making, weaving, religious services, cobbler, etc

8. How many members of your family participated in other self occupations during 2003/04?

Name	Sex	Type of occupation*	Days worked during the year	Working hours/day	Approximate income received (Rs)

* Stitching clothes, vegetable selling, fruit selling, mechanic, running own auto-rickshaw, business, shop keeping, money lending, financier, leaf-plate making and selling, mat-weaving, regular jobs (part- and full-time).

9. Did you adopt any coping mechanisms because of crop failure due to severe and prolonged drought or due to pests and diseases during 2003/04? Yes/No

If Yes, please describe:

Rank

- 1. -----
- 2. -----
- 3. -----
- 4. -----
- 5. -----

MODULE IX: OTHERS

1. What are the major production constraints in your dryland field during 2003/04 (rank in order of importance)?

Crops	Drought	Pests	Diseases	Weeds	Poor soil	Excess rain	Poor seed	Others
Sorghum								
Millet								
Maize								
Groundnut								
Pigeon pea								
Chickpea								
Castor								
Cotton								
Sunflower								
Green gram								
Soybean								

2. Source of information on dryland agriculture (rank in order of importance) during 2003/04

Decision	Progressive farmers	Extension personnel	Shopkeeper	Krishigyan Kendra	Relatives and friends	TV/radio/newspaper	Others
1. Use of improved/HYV seeds							
2. Use of chemical fertilizers							
3. Adoption of crop rotation							

4. Soil conservation practices							
5. Prices of input/output							
6. Weather prediction							
7. Pest control measures:							
7.1. When to apply							
7.2. Type of pesticide							
7.3. Quantity to use							
7.4. Mixing of chemicals							

3. Benefits perceived by the farmer in adopting soil and water conservation (SWC) practices during 2003/04. (Only those plots where farmer adopted any type of SWC during 2003/04.)

Plot code and name	Type of SWC measure*	Total cost (Rs)	Farmer's share (%)	Benefit received**	Approximate amount (Rs)

*1 = Land leveling; 2 = Field/boundary bunds; 3 = Contour bunds; 4 = BBF; 5 = Trees/grass plantation; 6 = Check dam; 7 = Farm ponds; and 8 = Others (specify)-----.

**1 = Yield increased by 10%; 2 = Increased by 11%-25%; 3 = Increased by 26%-50%; 4 = Increased by 51%-75%; 5 = increased >75%; and 6 = No change.

Appendix 4
General Endowment Schedule (Year ???###)

Year _____ Village _____ Tehsil/Mandal _____

District _____ State _____ Country _____

Market town _____ Distance from village _____

Name of the head of household: _____

Son/wife/daughter of: _____

Caste: _____

New VLS household number: _____

Old VLS household number: _____

Present farm-size group: _____ Size of family (no.): _____

Main occupation: _____ Subsidiary occupation: _____

Are you or any member of your family a member of any elected or nominated body? **Yes/No**

If yes, specify: _____

Date of interview: _____ Name of the investigator: _____

A. Household details (2004/05)

Sr. No.	Name of the member	Sex	Age	Member ID	Spouse of		Child of		Marital status	Year of marriage	Education up to	Year of education termination
					Male ID	Female ID	Male ID	Female ID				

Household details (2004/05)

Sr. No.	Main occupation	Subsidiary occupation	Degree of disability ¹	Living with family/ outside	If living outside			Remarks
					Place	Frequency of visits ²	Purpose	

¹ Can do any farm or domestic work = 1; Can do only domestic work = 2; Can do only light farm work = 3; Can do only light domestic work = 4; and Completely disabled = 5.

² More than once a month = 1; Once a month = 2; More than once a year = 3; Once a year = 4; and Once in 2-3 years = 5.

B. Landholding details (as of July 1, 2004)

Sr. No.	Plot name	Plot code	Ownership status	Total area (acres)	Cultivable area (acres)	Irrigable area (acres)	Distance from house (km)	Soil type ¹	Value Rs/acre	Location (outside/inside village)	Bunding	Revenue (Rs)	Remarks

Note: In the ownership status column note the details of leased/shared-in/leased/shared-out and owned land. Write the name of the person from whom the land was taken or to whom it was given on a lease/share basis.

¹. Deep black = 1; Medium black = 2; Medium to shallow = 3; Deep red = 4; Shallow red = 5; Gravelly = 6; Problem soil = 7; and Others = 8.

C. Livestock inventory (as of July 1, 2004)

Particulars	Resource number	Breed	Age months	Mode of acquisition ¹	Year of purchase	Purchase price (Rs)	Source of finance	Present value (Rs)
1. Bullocks								
2. He-buffaloes								
3. She-buffaloes								
4. Cows								
5. Young stock								
6. Goats								
7. Sheep								
8. Pigs								
9. Camel								
10. Poultry								
11. Donkeys								
12. Others (specify)								

1. On-farm rearing = 1; Purchase = 2; and Received as gift = 3.

D. Farm equipment owned by the household (as of July 1, 2004)

Item	Number	Horse power	Year of purchase	Purchase price (Rs)	Source of finance	Present value (Rs)
1. Traditional plough (Iron/wooden)						
2. Modern plough						
3. Blade harrow						
4. Blade hoe						
5. Seed drill						
6. Sprinkler set						
7. Drip irrigation						
8. Manual sprayers/dusters						
9. Power sprayer/duster						
10. Chaff cutter						
11. Cane crusher						
12. Agro processing unit						
13. Rice/flour mill/grinding						
14. Tractor with accessories						
15. Auto-rickshaw						
16. Bullock cart						
17. Truck						
18. Other minor implements						
19. Thresher						
20. Others (specify)						
21. Electric motor						
22. Diesel pump						
23. Tube wells						
24. Pipeline (ft) (type)						
25. Harvester						
26. Other power-driven implements						

E. Building of the household (as of July 1, 2004)

Item	Facilities	Value (Rs)
1. Residential house		
1.1. Type of house ¹		
1.2. Toilet	Yes/No	
1.3. Bathroom	Yes/No	

1.4. Electrified	Yes/No	
1.5. Tap water connection	Yes/No	
1.6. Drinking water well	Yes/No	
1.7. Cooking gas (LPG)	Yes/No	
1.8. Television (BW/color)	Yes/No	
1.9. Star connection (Cable TV)	Yes/No	
1.10. Fridge/telephone	Yes/No	
1.12. Others (specify)	Yes/No	
2. Cattle shed		
3. Farmhouse		
4. Residential plots		
5. Consumer durables		
5.1. Two-wheeler (motorcycle, etc)		
5.2. Gold and silver		
5.3. Furniture		
5.4. Household utensils		
5.5. Fan, radio, tape recorder, etc		
5.6. Cycle		
5.7. CD player/computer		
5.8. Others (specify)		

¹ Strong walls and RCC roof = 1; Strong walls and other type of roof = 2; Mud walls with thatched roof = 3; Mud walls with other roof = 4; and others = 5 (specify) -----.

Debt and Credit Schedule

F. Financial assets and liabilities (as of July 1, 2004)

Agency/sources	Amount (Rs)	Purpose	Interest rate/ year	Remarks
I. Borrowings				
1. Cooperative banks				
2. Nationalized banks				
3. Friends and relatives				
4. Finance companies				
5. Employer				
6. Landlord				
7. Shopkeeper				
8. Moneylender				
9. Others				

II. Lending				
1. Friends and relatives				
2. Tenants				
3. Others				
III. Savings				
1. National Bank				
2. Cooperative bank				
3. Insurance (LIC/PLI) policies				
4. Post office				
5. Self-help groups				
6. Chit funds				
7. Share market				
8. Others (GPF, etc)				

G. Benefits perceived by the farmer in adopting soil and water conservation (SWC) practices during 2004/05. (Only those plots where farmer had adopted any type of SWC during 2004/05 cropping season)

Plot name	Plot code	Type of SWC measure*	Total cost (Rs)	Farmer's share (%)	Benefits received**	Approximate amount (Rs)

* 1 = Land leveling; 2 = Field/boundary bunds; 3 = Contour bunds; 4 = BBF; 5 = Trees/grass plantation; 6 = Check dams; 7 = Farm ponds; and 8 = others.

** 1 = Yield increased by 10%; 2 = Increased by 11%-25%; 3 = Increased by 26%-50%; 4 = Increased by 51%-75%, 5 = Increased >75%; and 6 = No change.

H. Impact of development/welfare programs

Name of the Program	Yes/No	Approximate benefit (Rs)
1. Jawahar Gram Samridhi Yojana		
2. Swarnajayanti Gram Swarozgar Yojana		

3. Rajiv Gandhi National Drinking Water Mission		
4. Indira/Samagra Awas Yojana		
5. Centrally sponsored rural sanitation program		
6. Drought-Prone Areas Program		
7. Desert development programs		
8. Wasteland development		
9. Employment guarantee scheme		
10. Food for Work		
11. Targeted public distribution systems		
12. National project on biogas development		
13. Integrated Rural Development Program		
14. Integrated rural energy program		
15. Integrated cattle development program		
16. Integrated dairy development program		
17. Integrated mother and child development program		
18. Soil and water conservation program		
19. Fish farmers development programs		
20. Watershed management project		
21. Operation Flood		
22. Universal immunization program		
23. Old-age pensions		
24. Pensions for the physically handicapped		
25. Widows' pension		
26. Drought relief program		
27. Crop insurance		
28. Agriculture input subsidy/crop production programs		
29. Deepam (subsidized LPG gas connections)		
30. Land distribution		
31. Allotment of house/subsidy on construction		
32. Family planning		
33. Supply of implements to artisans		
34. National family benefit scheme (sudden death of earner)		
35. Scholarships and economic assistance		
36. Subsidy on purchase of agricultural machinery		
37. Support for bonded and child laborers		
38. Mid-day meal scheme		
39. Livestock relief camp		
40. Subsidies for toilet/bathroom construction		
41. Others		

HOUSEHOLD SURVEY QUESTIONNAIRE FOR ICAR-ICRISAT VILLAGE LEVEL STUDIES (VLS) PROJECT IN INDIA (RAINY SEASON, 2004/05)

MODULE I: EMPLOYMENT SCHEDULE

Village: _____ District: _____ HH No. _____ Season: _____ Year: _____

1. Participation in the village labor market for wages during rainy season 2004/05

Name	Member ID	Sex	Status*	Type of work**	Employment days	Wage rate/day	Total earnings (Rs)	Involuntary unemployment days

* Daily wage earner, monthly worker and working as regular farm servant (RFS).

** Farm work, government work such as employment guarantee scheme (EGS), Food for Work.

2. Family member participation in caste occupations during rainy season 2004/05

Name	Member ID	Sex	Type of occupation*	Days worked during season	Working hours/day	Income received (Rs)

* Toddy-tapping and selling, carpentry, goldsmith, mason, washer man, barber, sheep rearing, butcher, pottery, cobbler, weaving, religious services, etc

MODULE II: CULTIVATION SCHEDULE

Cropping pattern during 2004/05 (area in acres)

Plot name (code/no.)	Ownership*	Cropped area (acres)	Irrigated area (acres)	Name of the Crop	Crop proportion	Name of the variety	Main production (kg)	Price/ kg	Byproduct (qt)	Price/ qt	Remarks

* Use codes" Own land (OW); Leased-in (LI) ; Leased-out (LO) ; Shared-in (SI); and Shared-out (SO). Season codes: K = Kharif; R = Rabi; S = Summer; and P = Perennial.

MODULE III: PRODUCTION AND UTILIZATION

1. Production and utilization of crop and livestock products during rainy season of 2004/05

Crop/livestock	Output (kg)	Output utilization (kg)								Byproduct (qt)		
		Consumption	Retained for own seed	Other uses	Sold					Own use	Sold	Price
					Quantity (kg/L)	Unit price	Place	Distance	To whom ¹			
1.Crop												
Paddy												
Sorghum												
Maize												
Pigeon pea												
Green gram												
Cotton												
Castor												
Soybean												
Black gram												
Pearl millet												
Matki												
2.Livestock												
Milk (L)												
Ghee (kg)												
Wool (kg)												
Eggs (no.)												
FYM (qt)												

¹: Village shop = 1; Primary market = 2; Secondary market = 3; Regulated market = 4; and Others = 5 (specify----).

**2. Major production constraints in your dryland field during rainy season of 2004/05
(rank in order of importance)**

Crops	Drought	Diseases and pests	Poor seed	Poor soil	Excess rain	Weeds	Others	
							1	2
1. Sorghum								
2. Groundnut								
3. Pigeon pea								
4. Soybean								
5. Sunflower								
6. Castor								
7. Millet								
8. Cotton								
9.								
10.								
11.								
12.								

MODULE IV: SOCIOECONOMIC, AGROBIOLOGICAL AND INSTITUTIONAL ASPECTS

1. How do you consider the climatic conditions (rainfall) during the 2004/05 cropping year?

- (a) Good
- (b) Normal
- (c) Bad
- (d) Very bad

2. What is your opinion about the characteristics of rainfall during 2004/05 cropping year?

Characteristics	Observations
1. Quantum of rainfall	
2. Distribution of rainfall	
3. Number of rainy days	
4. Outlier events	
5. Arrival of monsoons	
6. Availability of water in resources (tanks, wells, etc.)	
7. Temperature (winter)	
8. Temperature (summer)	

3. Did you or your family members try to dig open dug wells or bore wells during the rainy season of 2004/05?

Yes/No

If answer is Yes, please answer the following questions:

Type	Number of attempts	Depth (ft) of each attempt	Successful attempts	Presently in use	Total amount (Rs) spent including failed attempts
1. Open dug wells					
2. Bore wells					
3. In-well bores					
4. Deepening of wells					

4. What were the prevailing wage/rental rates for workers, bullocks and machinery in the village during the rainy season of 2004/05?

Type of work	Day/month/year/acre	Average working hours/ day	Male	Female	Bullocks with operator	Tractor
Farm work						
Non-farm work						
Regular farm servant						
Others						

5. Sources of information on dryland agriculture during the rainy season of 2004/05 (please rank the sources in order of importance)

Decision	Progressive farmers	Extension personnel	Shop keeper	Krishi Vigyan Kendra	Relatives and friends	TV/radio News paper	Others
1. Use of HYV/improved seeds							
2. Use of chemical fertilizer							
3. Adoption of crop rotation							
4. Soil conservation practices							
5. Prices of input/output							
6. Weather predictions							
7. Pest control measures							
7.1 When to apply							
7.2 Type of pesticides							
7.3 Quantity to use							
7.4 Mixing of chemicals							

MODULE V: LIVESTOCK ECONOMICS

1. Maintenance and returns from livestock during 2004/05

Rainy season (01-07-2004 to 31-12-2004)

Type		Draft animals	Cows	Buffaloes	Young stock	Sheep/goats	Poultry	Others
Number								
Dry fodder	Type 1							
	Quantity (qt/kg)							
	Price							
Dry fodder	Type 2							
	Quantity (qt/kg)							
	Price							
Green fodder/grass	Type							
	Quantity (qt/kg)							
	Price							
Grazing	% share in total fodder requirement							
	Value (Rs)							
Concentrates and grain feed	Type							
	Quantity (kg)							
	Price							
Labor costs	Grazing (Rs)							
	Others (Rs)							
Other costs	Medicines (Rs)							
	Transport (Rs)							
	Ropes, veterinary (Rs)							
Changes	Deaths							
	Value (Rs)							
	Births							
Production and income	Milk (L)							
	Price (Rs/L)							
	Dung (qt)							
	Price (Rs/qt)							
	Wool/eggs (kg/no)							
	Price (Rs/kg/no.)							
	Hire income (Rs)							
	Days worked on own farm							
	No. of animals sold							
Amount (Rs)								

MODULE VI: MAJOR SOURCES OF HOUSEHOLD INCOME DURING RAINY SEASON OF 2004/2005

Sources	Net income (Rs)
1. Agriculture	
2. Farm work (labor earnings)	
3. Non-farm work (labor earnings)	
4. Regular Farm Servant (RFS)	
5. Out-migration	
6. Remittances and gifts received (cash and kind)	
7. Livestock (sale of milk and milk products)	
8. Income from hiring out bullocks	
9. Income from selling animal and animal products	
10. Caste occupation (specify)	
11. Business (specify)	
12. Rental income (tractor, auto-rickshaw, sprayer, truck, etc)	
13. Regular salaried jobs (Government/private)	
14. Tailoring	
15. Selling CPR (firewood, fruits, stones, mats and leaf plates), handicrafts (specify)	
16. Rent from leased-out land and building, etc	
17. Interest on savings and from money lending	
22. Government welfare/development programs	
19. Dowry received (both cash and kind)	
20. Selling of water for agriculture purposes	
21. Pension from employer	
22. Others	

MODULE VII: CROP INSURANCE

1. Were any crops grown by you during the rainy season of 2004/05 covered by crop insurance?

Yes/No

If yes,

Crop name	Area (acres)	Premium paid (Rs)*	Amount received as crop insurance

* Write only the crop insurance premium paid for crop in total.

MODULE VIII: Household Transaction Schedule**1. Household expenses on food and non-food items during the rainy season of 2004/05**

Food items	Reference period	Quantity consumed and its value		
	Day/mon/season	Quantity (Kg/L)	Unit price	Total cost (Rs)
I. CEREALS				
1. Sorghum				
2. Pearl millet				
3. Maize				
4. Wheat				
5. Rice				
6. Other cereals				
II. PULSES				
1. Pigeon pea				
2. Chickpea				
3. Green gram				
4. Black gram				
5. Cowpea				
6. Matki/D.lablab (Minor pulses)				
7. Masur dal/Lentil				
8. Soybean				
9. Other pulses				
III. Other food items				
1. Groundnut, sesamum, etc				
2. Other provisions				
3. All spices (salt, pepper, etc)				
4. Sweets, <i>khara</i> , biscuits, etc				
5. Tea, coffee, sugar, jaggery (<i>gur</i>), etc				
6. Milk				
7. Ghee, butter, curd, etc				
8. All types of edible oils and Dalda				
9. Meat/fish/chicken/eggs				
10. All vegetables (including chilli, onion, garlic, etc)				
11. All fresh fruits				
12. Dry fruits (coconut, raisins, cashewnut, etc)				
13. Other food items				
IV. Nonfood expenditure				

1. Pan, tobacco, beedi, cigar, etc				
2. Wine, toddy and marijuana (ganja)				
3. Hotel expenses				
4. LPG/kerosene/firewood/match box, etc				
5. All types of cosmetics (hair oil, soaps, toothpaste, detergent, etc)				
6. Medical expenses				
V. Consumer durables				
1. Clothing (including tailoring)				
2. Household utensils purchased				
3. Jewelry purchased				
4. Furniture				
5. Watch, radio, fan, etc				
6. Maintenance cost (TV/vehicle/telephone, etc)				
7. Payment of electricity, water, star connection (cable TV), telephone bills				
8. House tax and improvements				
9. Payments made for services like barber, washer man, maidservant, potter, etc)				
10. Travel and entertainment expenses				
11. Ceremonial expenses including puja				
12. Marriage expenses				
13. Dowry paid				
14. Gifts paid				
15. Education expenses including fees, donations, etc				
16. Other miscellaneous expenses				
17. Gambling/Matka expenses				
18. Footwear expenses				
19.				
20.				
VI. Other purchases				
1. Land				
2. Livestock				
3. Farm implements & machinery repairs				
4. Decorative articles				
5. Stationery, stamps, post, court expenses, etc				

MODULE IX: COPING MECHANISMS

1. Did you adopt any coping mechanisms when crops failed because of severe drought or any other reason during the rainy season of 2004/05?

Yes/No

If yes, please mention them:

Rank

(a) _____

(b) _____

(c) _____

(d) _____

(e) _____

HOUSEHOLD SURVEY QUESTIONNAIRE FOR ICAR-ICRISAT VILLAGE LEVEL STUDIES (VLS) PROJECT IN INDIA (POST-RAINY SEASON, 2004/05)

MODULE I: EMPLOYMENT SCHEDULE

Village: _____ District: _____ HH No. _____ Season: _____ Year: _____

1. Family member participation in the village labor market for wages during the post-rainy season of 2004/05

Name and member ID	S e x	Status*	Type of work**	Employment days	Wage rate/day	Total earnings (Rs)	Involuntary unemployment days

* Daily wage earner, monthly worker and working as RFS.

** Farm work, Government work such as employment guarantee scheme (EGS), Food for Work.

2. Family member participation in caste occupations during the post-rainy season, 2004/05

Name and member ID	S e x	Type of occupation*	Days worked during the season	Working hours/day	Income received (Rs)

* Toddy-tapping and selling, carpentry, goldsmith, mason, washer man, barber, sheep rearing, butcher, pottery, cobbler, weaving, religious services, etc

MODULE II; CULTIVATION SCHEDULE

Cropping pattern during post-rainy season, 2004/05 (area in acres).

Plot name (code/no.)	Owner- ship*	Cropped area (acres)	Irrigated area (acres)	Name of the crop	Crop proportion	Name of the variety	Main produ- ction (kg)	Price/ kg	Bypro- duct (qt)	Price/ qt	Remarks

* Use codes: Own land (OW); Leased-in (LI) ; Leased-out (LO) ; Shared-in (SI) ; and Shared-out (SO). Season codes: K = Kharif; R = Rabi; S = Summer; and P = Perennial.

MODULE IV: SOCIOECONOMIC, AGROBIOLOGICAL AND INSTITUTIONAL ASPECTS**1. Did you or your family members try to dig open dug wells or bore wells during the post-rainy season of 2004/05?****Yes/No**

If answer is yes, please answer the following questions:

Type	Number of attempts	Depth (ft) of each attempt	Successful attempts	Presently in use	Total amount (Rs) spent including failed attempts
1. Open dug wells					
2. Bore wells					
3. In-well bores					
4. Deepening of wells					

2. What are the prevailing wage/rental rates for workers, bullocks and machinery in the village during post-rainy season of 2004/05?

Type of work	Day/month/year/acre	Average working hours /day	Male	Female	Bullocks with operator	Tractor
Farm work						
Non-farm work						
Regular farm servant						
Others						

MODULE V: LIVESTOCK ECONOMICS

1. Maintenance and returns from livestock during the post-rainy season, 2004/05

Type		Draft animals	Cows	Buffaloes	Young stock	Sheep/goats	Poultry	Others
Number								
Dry fodder	Type 1							
	Quantity (qt/kg)							
	Price							
Dry fodder	Type 2							
	Quantity (qt/kg)							
	Price							
Green fodder/grass	Type							
	Quantity (qt/kg)							
	Price							
Grazing	% Share in total fodder requirement							
	Value (Rs)							
Concentrates and grain feed	Type							
	Quantity (kg)							
	Price							
Labor costs	Grazing (Rs)							
	Others (Rs)							
Other costs	Medicines (Rs)							
	Transport (Rs)							
	Ropes, veterinary (Rs)							
Changes	Deaths							
	Value (Rs)							
	Births							
Production and income	Milk (L)							
	Price (Rs/L)							
	Dung (qt)							
	Price (Rs/qt)							
	Wool/eggs (kg/no)							
	Price (Rs/kg/no.)							
	Hire income (Rs)							
	Days worked on own farm							
	No. of animals sold							
	Amount (Rs)							

MODULE VI: MAJOR SOURCES OF HOUSEHOLD INCOME DURING POST-RAINY SEASON OF 2004/2005

Sources	Net income (Rs)
1. Agriculture	
2. Farm work (labor earnings)	
3. Non-farm work (labor earnings)	
4. Regular Farm Servant (RFS)	
5. Out-migration	
6. Remittances and gifts received (cash and kind)	
7. Livestock (sale of milk and milk products)	
8. Income from hiring out bullocks	
9. Income from selling animal and animal products	
10. Caste occupation (specify)	
11. Business (specify)	
12. Rental income (tractor, auto-rickshaw, sprayer, truck, etc)	
13. Regular salaried jobs (Government/private)	
14. Tailoring	
15. Selling common property resource (CPR-firewood, fruits, stones, mats and leaf plates), handicrafts (specify.....)	
16. Rent from leased-out land, building, etc	
17. Interest on savings and from money lending	
22. Government welfare/development programs	
19. Dowry received (cash and kind)	
20. Selling of water for agriculture purposes	
21. Pension from employer	
22. Others	

MODULE VII: CROP INSURANCE

1. Were any crops grown by you during the post-rainy season of 2004/05 covered by crop insurance?

Yes/No

If yes,

Crop name	Area (acres)	Premium paid (Rs)*	Amount received as crop insurance (Rs)

* Write only the total crop insurance premium paid in total.

MODULE VIII: HOUSEHOLD TRANSACTION SCHEDULE**Household expenses on food and non-food items during the post-rainy season 2004/05**

Food items	Reference period	Quantity consumed and its value		
	Day/mon/season	Quantity (Kg/L)	Unit price	Total cost (Rs)
I. CEREALS				
1. Sorghum				
2. Pearl millet				
3. Maize				
4. Wheat				
5. Rice				
6. Other cereals				
II. PULSES				
1. Pigeon pea				
2. Chickpea				
3. Green gram				
4. Black gram				
5. Cowpea				
6. Matki/ <i>D. lablab</i> (Minor pulses)				
7. Masur dal/Lentil				
8. Soybean				
9. Other pulses				
III. Other food items				
1. Groundnut, sesamum, etc				
2. Other provisions				
3. All spices (salt, pepper, etc)				
4. Sweets, khara, biscuits, etc				
5. Tea, coffee, sugar, jaggery (gur), etc				
6. Milk				
7. Ghee, butter, curd, etc				
8. All types of edible oils and Dalda				
9. Meat/fish/chicken/eggs				
10. All vegetables (including chilli, onion, garlic, etc)				
11. All fresh fruits				
12. Dry fruits (coconut, raisins, cashewnut, etc)				
13. Other food items				

IV. Nonfood expenditure				
1. Pan, tobacco, beedi, cigar, etc				
2. Wine, toddy and marijuana (ganja)				
3. Hotel expenses				
4. LPG/kerosene/firewood/ match box, etc				
5. All types of cosmetics (hair oil, soaps, toothpaste, detergent, etc)				
6. Medical expenses				
V. Consumer durables				
1. Clothing (including tailoring)				
2. Household utensils purchased				
3. Jewelry purchased				
4. Furniture				
5. Watch, radio, fan, etc				
6. Maintenance cost (TV/vehicle/telephone, etc)				
7. Payment for electricity, water, star connection (cable TV), telephone bills				
8. House tax and improvements				
9. Payments for services like barber, washer man, maidservant, potter, etc)				
10. Travel and entertainment expenses				
11. Ceremonial expenses (including puja)				
12. Marriage expenses				
13. Dowry paid				
14. Gifts paid				
15. Education expenses (including fees, donations, etc)				
16. Other miscellaneous expenses				
17. Gambling/Matka expenses				
18. Footwear expenses				
19.				
20.				
VI. Other purchases				
1. Land				
2. Livestock				
3. Farm implements & machinery repairs				
4. Decorative articles				
5. Stationery items, stamps, post, court expenses, etc				

MODULE IX: COPING MECHANISMS

Did you adopt any coping mechanisms when crops failed because of severe drought or any other reason during Post-rainy season of 2004-05?

Yes/No

If Yes, please mention them

Rank

(a) _____

(b) _____

(c) _____

(d) _____

(e) _____
