

APPENDIX A - I

Interview Schedule

Impact of Economic Role Performance on Household Development and Women's Status in 'Gaddi' Tribe of Himachal Pradesh.

Information schedule regarding village set up :

1. The Village

- i) Name : _____
- ii) Block : _____
- iii) Post office : _____
- iv) Tehsil : _____
- v) District : _____

2. Location of Village

- i) Distance from town : _____ Km.
- ii) Distance from block : _____ Km.

3. Distribution of Village Population

- i) Total population : _____
- ii) Total households : _____
- iii) 'Gaddi' population : _____
- iv) 'Gaddi' households : _____

4. Institutions of the Village

- | a) Educational | Yes/No |
|-------------------|----------|
| i) Primary school | [] |
| ii) High school | [] |
| iii) College | [] |
| iv) Anganwadi | [] |

		Yes/No
	v) Adult education centre	[]
	vi) Training Institution for women, specify	[]
	vii) Any other	[]
b)	Medical facility	Yes/No
	i) Primary health centre	[]
	ii) Dispensary	[]
	iii) Hospital	[]
c)	Community facility	Yes/No
	i) Bank	[]
	ii) Post office	[]
	iii) Cooperative society	[]
	iv) 'Mahila Mandal'	[]
	v) Temple	[]
	vi) Play ground	[]
	vii) Any other	[]
5.	Means of Transport	Yes/No
	i) Nil	[]
	ii) Bus	[]
	iii) Rail	[]
	iv) Personal/Private conveyance	[]
	v) Any other specify	[]
6.	Quality of Road (To nearest town)	Yes/No
	i) Metal road	[]
	ii) 'Katcha' road	[]

7. **Electrified :** Yes []
 No []

8. **Dominant Village Industries** Yes/No

i)	Handloom weaving	[]
ii)	Bamboo work	[]
iii)	Goat and sheep rearing	[]
iv)	Spinning	[]
v)	Knitting	[]
vi)	Other handicraft (specify)	[]
vii)	Any other	[]

9. Main Crops of Village		Subsidiary Crops	
i)	Wheat []	Mash	[]
ii)	Rice []	Raj mash	[]
iii)	Maize []	Mung	[]

Interview Schedule for Respondents

Sr. No. :
Date :
Village :
Block :
District :

SECTION I

Background Information of the Respondents

1. Name of head household : _____
Address : _____
Name of respondent : _____

2. Occupational status
 - 2.1 Full time homemaker []
 - 2.2 Outside employment []

3. Marital status
 - 3.1 Married []
 - 3.2 Widowed []
 - 3.3 Divorced []
 - 3.4 Separated []

4. Age
Present completed age _____ Years

5. Education
Completed number of years of education _____ No.

6.	Caste		
6.1	Brahmin	[]	
6.2	Rajput	[]	
6.3	Sipis	[]	
6.4	Rehras	[]	
6.5	Any other	[]	
7.	Family type		
7.1	Nuclear	[]	
7.2	Joint	[]	
8.	Family size		members
9.	Occupation of head of family	Main	Subsidiary
9.1	Farming	[]	[]
9.2	Agriculture labour	[]	[]
9.3	Casual labour	[]	[]
9.4	Shop/Business	[]	[]
9.5	Small scale industry	[]	[]
9.6	Service	[]	[]
9.7	Any other	[]	[]
10.	Size of land (Area in 'Bhighas')		
10.1	Agricultural land		
	i) Owned		[]
	ii) Rented in		[]
	iii) Rented out		[]
10.2	Other land		'Bhighas'

11. Herd size

11.1 Cattle

Number

11.2 Sheep and goat

Number

12. Family data

Sr. No.	Relationship with respondent	Age	Sex	Education	Occupation	Remarks
1	2	3	4	5	6	7

13. Pattern of family income

Sr. No.	Sources	Male	Female	Combined	Monthly Income	Remarks
1	2	3	4	5	6	7

13.1

- i. Wages-Govt. service
- ii. Wages-Pvt. section
- iii. Pensions
- iv. Business
 - a) Shop
 - b) Tailoring
 - c) Any other
- v. Agricultural labour
- vi. Casual labour

13.2

- i. Income from farm
- ii. Horticulture
- iii. Any other

13.3 Allied activity

- i. Goat and sheep
- ii. Woven products
- iii. Spinning
- iv. Sale of milk
- v. Sale of medicinal plants
- vi. Sericulture
- vii. Kitchen garden
- viii. Any other (specify)

TOTAL

14. Migration pattern

14.1 Does your family migrate Yes []

No []

14.2 If yes, then mention

Sr. No.	Season	Duration No. of months	At place of migration do you		Responsibility of flock		Remarks
			Own land	Own house	Family	Paid help	
1	2	3	4	5	6	7	8

1. Summar

2. Winter

14.3 Do all members migrate Yes []

No []

14.4 If no, who are left behind

i. Old parents []

ii. Women []

iii. Children []

iv. Any other (specify) []

14.5 What are the reasons of migration Yes/No

i. Scarcity of fodder for flocks during winter []

ii. Harsh climatic conditions for both humans and flock []

iii. Scarcity of food for family []

iv. Economic necessity []

v. Non-availability of seasonal employment []

	Yes/No
vi. Cultivation of land at lower hills	[]
vii. An urge to migrate by habit	[]
viii. Sale of wool and woollen products	[]
ix. Any other (specify)	[]
 14.6 Problems faced by women due to migration	 Yes/No
i. No problems	[]
ii. More work as less members to share work	[]
iii. Education of children suffer	[]
iv. Health of all members suffer	[]
v. Responsibility of family members if left at home	[]
vi. Responsibility of cattle at home	[]
vii. Responsibility of crop	[]
viii. Any other (specify)	[]
 14.7 Mode of journey to place of migration	
i. On foot	No. of km.
ii. By bus	No. of km.
 14.8 Type of work at place of migration	 Yes/No
i. Casual labour	[]
ii. Working on own land	[]
iii. Working in homes	[]
iv. Any other (specify)	[]

SECTION II

15. How often are you exposed to the following media ?

15.1 Mass-media channels	Regularly	Sometimes	Never
i. Radio/tape recorder	[]	[]	[]
ii. Television	[]	[]	[]
iii. Printed matter	[]	[]	[]
a. News paper	[]	[]	[]
b. Magazines	[]	[]	[]

15.2 What are the programmes which you listen see and read

i. News	[]
ii. Women's programme	[]
iii. Agricultural programme	[]
iv. Stories and plays	[]
v. Film songs	[]
vi. Any other	[]

16. Community and development linkages

	Regularly	Sometimes	Never
i. Do you meet 'Gram Sevikas'	[]	[]	[]
ii. Do you meet health worker	[]	[]	[]
iii. Do you meet village level worker	[]	[]	[]

16.2 What type of information do you get or seek when you meet them

	Yes/No
i. Nothing	[]
ii. Regarding new programmes	[]
iii. Regarding progress of on-going programme	[]

				Yes/No
iv.	Regarding participation in new programme			[]
17.1	Are these centres/and programmes operating in your village	Yes	[]	
		No	[]	
	i. 'Mahila Mandals'		[]	
	ii. Adult education		[]	
	iii. Income generating		[]	
	iv. 'Anganwadi'		[]	
17.2	If yes, do you or your family members take part in any of them/member of any one them	Yes	[]	
		No	[]	
17.3	If yes, what is your role			
		Always	Sometimes	Never
i.	Attend regularly	[]	[]	[]
ii.	Participate in discussion	[]	[]	[]
iii.	Participate in decision-making	[]	[]	[]
17.4	Participation has increased your skill and knowledge	Yes	[]	
		No	[]	
17.5	It helps in providing employment/generating income	Yes	[]	
		No	[]	
17.6	Participation has/will increase your status among			Yes/No
i.	Friends		[]	
ii.	Family		[]	
iii.	Community		[]	

18. If you don't participate give reasons

- | | | |
|--|-----|-----|
| i) You are interested but there is objection from family members to join in them | Yes | [] |
| | No | [] |

18.1 In case yes, from whom

- | | |
|------------------------------|-----|
| i. Husband | [] |
| ii. Mother-in-law | [] |
| iii. Father-in-law | [] |
| iv. Both husband and in laws | [] |

19. Other reasons for not joining these programmes

- | | |
|------------------------------------|-----|
| i. No time | [] |
| ii. Work outside | [] |
| iii. Unsuitable time of programmes | [] |
| iv. No income from them | [] |
| v. Irregular programme | [] |
| vi. Young children neglected | [] |
| vii. No interest in it | [] |
| viii. Any other (specify) | [] |

SECTION III

20. Extent of women's participation in economic role in terms of time spent

Sr. No.	Activity and related tasks	Who is mainly responsible for the task S=Self O = Others	Do you get help Yes= No =	If yes, who helps	Frequency of performance and time spent (mins./hours) in tasks				Remarks
					Daily	Weekly	Monthly	Seasonal	
1	2	3	4	5	6				7

I. HOUSEHOLD WORK

- i. Personal care
- ii. Child care
- iii. Meal preparation
- iv. Care of clothes
- v. Care of house
- vi. Shopping
- vii. Account keeping
- viii. Care of other family members
- ix. Fetching fuel
- x. Fetching water
- xi. Social activity
- xii. Religious activity
- xiii. Miscellaneous (specify)

TOTAL TIME

II. LIVESTOCK ACTIVITIES

- i. Animal care
- ii. Fetching fodder

TOTAL TIME

contd...

1	2	3	4	5	6	7
---	---	---	---	---	---	---

III. FARM ACTIVITIES

- i. Pre-harvesting
- ii. Harvesting
- iii. Post harvesting

TOTAL TIME

IV. ALLIED ACTIVITIES

- i. Spinning
- ii. Weaving
- iii. Kitchen gardening
- iv. Tailoring
- v. Any other (specify)

TOTAL TIME

V. OUTSIDE EMPLOYMENT

- i) Time
- ii) Travel for outside employment

TOTAL TIME

VI. LEISURE

VII. REST AND SLEEP

GRAND TOTAL TIME

21. Economic Role in terms of time and money

Sr. No.	Activity and related work	Duration (No. of years)	Name and No. of months in a year	No. of hours/day	Monthly income	Remarks
I. Outside employment						
	i. Agriculture labour					
	ii. Casual labour					
	iii. Govt. service					
	Clerk					
	Teacher					
	Nurse					
	'Anganwadi' teacher					
	Any other					
II. Self employment						
	i. Making woven products					
	ii. Spinning					
	iii. Tailoring					
	iv. Sale of milk					
	v. Any other (specify)					

22. Occupational pattern : Work and working conditions

22.1 Are you satisfied with your work/
gainful employment

Yes []
No []

22.2 If no, what facilities should be provided

Yes/No

- i. Wage rates should be increased []
- ii. Household work should be shared []
- iii. More promotions []
- iv. Any other (specify) []

- 22.3 From whom did you learn your present work Yes/No
- i. Parents and elders []
 - ii. Books, radio, television []
 - iii. Extension change agents []
 - iv. Village group []
 - v. Training centre []
 - vi. Any other (specify) []

22.4 Do you think gainful employment has/will increase your status amongst

- Yes/No
- i. Family []
 - ii. Friends []
 - iii. Community []

Yes/No

22.5 Do you/will you get same wages for same work like men do []

SECTION IV

- | | |
|--|-----------|
| | Yes/No |
| 23. Do you get leisure time everyday | [] |
| 23.1 If yes, how much | hours/day |
| 23.2 How do you spend your leisure time | Yes/No |
| i) Knitting | [] |
| ii) Spinning | [] |
| iii) Visiting friends | [] |
| iv) Listening radio | [] |
| v) Watching television | [] |
| vi) Attending religious functions | [] |
| vii) Any other | [] |
| 24. Marriage, fertility and health | |
| How did you get married | Yes/No |
| i. 'Byah' (normal marriage) | [] |
| ii. 'Bata' (marriage by exchange) | [] |
| iii. Any other (specify) | [] |
| 25. Age at marriage | Years |
| 26. What is your opinion about the following | Yes/No |
| 26.1 You visit the doctor in case of illness | [] |
| 26.2 You have no time to visit doctor | [] |
| 26.3 You visit 'Chela' first and then doctor | [] |
| 26.4 Visit 'Witch Priest' sometimes | [] |
| 26.5 Believe in family planning | [] |

- 26.6 Adopt family planning methods []
- 26.7 More children means more income []
- 26.8 Less children means good education []
- 26.9 Small family is economically sound []
- 26.10 Due to less number of children health of
mother and children remain good []
- Yes/No
27. Are you free to spend money []
28. In case no, you can't spend it because Yes/No
- 28.1 You don't earn it []
- 28.2 You earn it but husband takes away []
- 28.3 In laws take it []
- 28.4 Any other (specify) []
- Yes/No
29. Do you have personal savings in your name []
30. In case yes, what is the mode of saving Yes/No
and investment
- 30.1 At home []
- 30.2 In bank []
- 30.3 Post office []
- 30.4 Life insurance policy []
- 30.5 Make ornaments []
- 30.6 Husband knows only []
- 30.7 Any other []
31. Observation of customs and Always Sometimes Never
tradition is must for you
32. Do you have independence and Always Sometimes Never
authority to distribute and
supervise work at home.

33. Freedom and power in decision making

Sr. No.	Particulars	Yourself	Both you and husband	Husband only/any other
1	2	3	4	5

33.1 Personal decisions

a. Marriage

- i. When to marry
- ii. Number of children
- iii. Choice of bridegroom

b. Career

- i. If you want to take up employment who will decide
- ii. Choice of work
- iii. Place of work

c. Social participation

- i. Marriages and birth days
- ii. Religious functions
- iii. Festivals and fairs
- iv. Funerals

d. Participation in community and development programmes

33.2 Family decisions

a. Health care

- i. In case of illness of family members
- ii. In case of immunisation of children

b. Education

- i. Admission of children in school
- ii. Expenditure on education
- iii. Level of children's education

contd...

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

c. Income and expenditure

- i. Control over cash
in home
- ii. Repayment of credit
if any
- iii. Amount to be saved
- iv. Expenditure on food
- v. On clothing
- vi. House repair
- vii. Fuel
- viii. Transportation
- ix. Ceremonies
- x. Health care

d. Expenditure on durable items

- i. Utensils
- ii. Radio/TV/any electric
gadget
- iii. Ornaments

33.3 Farm related decisions

a. Expenditure on farm related
items

- i. Purchase of land
- ii. Purchase of animals
- iii. On land improvements
- iv. Sale of agriculture
product
- v. Repayment of farm credit

b. Expenditure on tools
and equipment

- i. On purchase of agricul-
ture tools (spade,
sickle, spray pump etc.)
 - ii. Equipment
-

contd...

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

c. Freedom in decisions of farming practices

- i. Variety of crops to be sown
- ii. Use of plant protection measures
- iii. Use of chemical fertilizer
- iv. Storage of agricultural products
- v. Marketing of products

34. In your opinion you don't participate in decision making because

	Yes/No
34.1 You are a woman only	[]
34.2 Decision making is role of males	[]
34.3 Husband knows best	[]
34.4 You are illiterate	[]
34.5 Your duty is to do what your husband say	[]

SECTION V

35. Consumption expenditure pattern

How much money you spend approximately for the following items

Sr. No.	Items	Monthly	Half Yearly	Remarks
35.1	Food			
35.2	Housing			
35.3	Clothing and footwear			
35.4	Education			
35.5	Health care			
35.6	Tobacco and/Intoxicants			
35.7	Fuel (quality) and electricity			
35.8	Entertainment			
35.9	Transportation			
35.10	Celebrations			

36. How often do you take the following food items

Sr. No.	Items	Daily 1	Frequently 2	Sometimes 3	Rarely 4	Seasonal 5	Never 6	Remarks 7
36.1	Cereals							
36.2	Pulses							
36.3	Green vegetables							
36.4	Other vegetables							
36.5	Fats and oil							
36.6	Milk and its products							
36.7	Meat							
36.8	Eggs							
36.9	Sugar							
36.10	Fruits							
36.11	Any other							

37. Kindly mention the quantity of cooked food consumed yesterday. (In the household measure)

Meal	Menu	Ingredients
Breakfast	1	
	2	
	3	
	4	
Lunch	1	
	2	
	3	
	4	
	5	
Tea	1	
	2	
	3	
Dinner	1	
	2	
	3	
	4	
	5	

38. Perception of woman about her contribution to household development

Due to your work at home/gainful employment your family has better

Yes/No

- | | |
|--------------------------|-----------|
| 38.1 Food to eat | [] |
| 38.2 Clothes to wear | [] |
| 38.3 House to live in | [] |
| 38.4 Education | [] |
| 38.5 Health | [] |
| 38.6 Consumer durables | [] |
| 38.7 Standard of living | [] |
| 38.8 Escape migration | [] |
| 38.9 Any other (specify) | [] |

39. Type of house Yes/No
- 39.1 No house []
- 39.2 Hut []
- 39.3 'Katcha' (thatched) []
- 39.4 'Semi-Pucca' (somewhat strong) []
- 39.5 'Pucca' house (concrete strong building) []
-
40. Any change in housing conditions due to your income specify Yes/No
- 40.1 Additions []
- 40.2 Alterations []
- 40.3 Repairs []
- 40.4 Renovations []
-
41. Mention material possession in your family and addition due to your income
- | | Before | After |
|---|---------|---------|
| 41.1 Camera | [] | [] |
| 41.2 Watch | [] | [] |
| 41.3 Almirah | [] | [] |
| 41.4 Cycle | [] | [] |
| 41.5 Diwan | [] | [] |
| 41.6 Radio | [] | [] |
| 41.7 Table and chair | [] | [] |
| 41.8 Sewing machine | [] | [] |
| 41.9 Stove | [] | [] |
| 41.10 Bullocks | [] | [] |
| 41.11 Improved agricultural implements. | [] | [] |
| 41.12 Television | [] | [] |
| 41.13 Any other | [] | [] |

TIME RECORD SHEET

Observations of Work Performance of 'Gaddi' Woman : Name of Homemaker :

Name of Village : Name of Head of Family :

Sr. No.	Activity and related tasks	Morning hours																				
		6	15	30	45	7	15	30	45	8	15	30	45	9	15	30	45	10	15	30	45	11
1.	Personal care																					
2.	Care of children																					
	2.1 Bathing and dressing																					
	2.2 Feeding																					
	2.3 Supervision and care																					
3.	Meal pre-preparations																					
	3.1 Cooking																					
	3.2 Serving foods																					
	3.3 Post meal tasks																					
	3.4 Washing utensils																					
4.	Washing clothes																					
	4.1 Care of clothes (mending, ironing, sewing)																					
5.	Care of house (cleaning/ plastering)																					
	5.1 Dusting																					
	5.2 Sweeping																					
	5.3 Mopping																					
	5.4 Mud plastering																					
	5.5 Repair																					
6.	Shopping																					
7.	Account keeping																					
8.	Care of others																					
9.	Fetching fuel																					
10.	Fetching water																					
11.	Social activity																					
12.	Religious activity																					
13.	Fetching and storage of fodder																					

contd...

Sr. No.	Activity and related tasks	Morning hours																					
		6	15	30	45	7	15	30	45	8	15	30	45	9	15	30	45	10	15	30	45	11	
14.	Care of animals																						
	14.1 Grazing																						
	14.2 Providing feed and water																						
	14.3 Cleaning																						
	14.4 Milking																						
15.	Farm activity																						
16.	Goat and sheep rearing related tasks																						
17.	Making woven products																						
18.	Spinning																						
19.	Kitchen gardening																						
20.	Tailoring																						
21.	Outside employment (specify)																						
	21.1 Time spent in employment																						
	21.2 Travel time for employment																						
22.	Leisure																						
23.	Rest and sleep																						
24.	Miscellaneous																						

TIME RECORD SHEET

Sr. No.	Activity and related task	<u>Afternoon hours</u>																											
		11	15	30	45	12	10	30	45	1	15	30	45	2	15	30	45	3	15	30	45	4	15	30	45	5	15	30	45
1.	Personal care																												
2.	Care of children																												
	2.1 Bathing and dressing																												
	2.2 Feeding																												
	2.3 Supervision and care																												
3.	Meal pre-preparations																												
	3.1 Cooking																												
	3.2 Serving foods																												
	3.3 Post meal tasks																												
	3.4 Washing utensils																												
4.	Washing clothes																												
	4.1 Care of clothes (mending, ironing, sewing)																												
5.	Care of house (cleaning/plastering)																												
	5.1 Dusting																												
	5.2 Sweeping																												
	5.3 Mopping																												
	5.4 Mud plastering																												
	5.5 Repair																												
6.	Shopping																												
7.	Account keeping																												
8.	Care of others																												
9.	Fetching fuel																												
10.	Fetching water																												
11.	Social activity																												
12.	Religious activity																												
13.	Fetching and storage of fodder																												

contd...

Sr. No.	Activity and related task	<u>Afternoon hours</u>																											
		11	15	30	45	12	15	30	45	1	15	30	45	2	15	30	45	3	15	30	45	4	15	30	45	5	15	30	45
<hr/>																													
14.	Care of animals																												
	14.1 Grazing																												
	14.2 Providing feed and water																												
	14.3 Cleaning																												
	14.4 Milking																												
15.	Farm activity																												
16.	Goat and sheep rearing related tasks																												
17.	Making woven products																												
18.	Spinning																												
19.	Kitchen gardening																												
20.	Tailoring																												
21.	Outside employment																												
	21.1 Time spent in employment (specify)																												
	21.2 Travel time for employment																												
22.	Leisure																												
23.	Rest and sleep																												
24.	Miscellaneous																												

contd...

Sr. No.	Activity and related tasks	<u>Night hours</u>																					
		6	15	30	45	7	15	30	45	8	15	30	45	9	15	30	45	10	15	30	45	11	
1.	Personal care																						
2.	Care of children																						
	2.1 Bathing and dressing																						
	2.2 Feeding																						
	2.3 Supervision and care																						
3.	Meal pre-preparations																						
	3.1 Cooking																						
	3.2 Serving foods																						
	3.3 Post meal tasks																						
	3.4 Washing utensils																						
4.	Washing clothes																						
	4.1 Care of clothes (mending, ironing, sewing)																						
5.	Care of house (cleaning/ plastering)																						
	5.1 Dusting																						
	5.2 Sweeping																						
	5.3 Mopping																						
	5.4 Mud plastering																						
	5.5 Repair																						
6.	Shopping																						
7.	Account keeping																						
8.	Care of others																						
9.	Fetching fuel																						
10.	Fetching water																						
11.	Social activity																						
12.	Religious activity																						
13.	Fetching and storage of fodder																						

contd...

Sr. No.	Activity and related tasks	<u>Night hours</u>																			
		6 15	15 30	30 45	45 7	7 15	15 30	30 45	45 8	8 15	15 30	30 45	45 9	9 15	15 30	30 45	45 10	10 15	15 30	30 45	45 11
14.	Care of animals																				
	14.1 Grazing																				
	14.2 Providing feed and water																				
	14.3 Cleaning																				
	14.4 Milking																				
15.	Farm activity																				
16.	Goat and sheep rearing related tasks																				
17.	Making woven products																				
18.	Spinning																				
19.	Kitchen gardening																				
20.	Tailoring																				
21.	Outside employment (specify)																				
	21.1 Time spent in employment																				
	21.2 Travel time for employment																				
22.	Leisure																				
23.	Rest and sleep																				
24.	Miscellaneous																				

APPENDIX A - II

CHARACTERISTICS OF THE SELECTED VILLAGES

Name of the area and villages	Distance from sub-division	Approach Bus=BB Onfoot=F=BB	Popula- tion of vill- age/s (1991 census)	Post Office linkage P=pro- per	Education					Medical			Community		
					Prim- ary	Mid- dle	High	Angan- wadi	Train- ing Centre	P.H.C.	Dispe- nsary	Hos- pital	Bank	Coope- rative	Mahila Mandal
BHARMOUR															
Bharmour, Proper		Bus	709	(P)Yes	Yes	Yes	Yes	-	Yes	-	-	Yes	Yes	Yes	Yes
Bharmour, Kasba															
Bari		By both	567	(As these villages were within 5 km of "Bharmour" therefore no separate facilities were provided in each village).											
Barkota															
Bharhi															
Bhatti															
Bparika															
Boson		Bus	285	Yes	Yes	-	-	Yes	-	-	-	-	Yes	-	Yes
Balkota		By both	851	Yes	Yes	-	-	Yes	Yes	-	-	-	Yes	-	Yes
Bansai		By both	845	Yes	Yes	-	-	Yes	Yes	-	-	-	Yes	Yes	Yes
Banchui		By both	669	Yes	Yes	-	-	Yes	-	Sub- centre	-	-	Yes	-	Yes
Seri		By both	250	(P)Yes	Yes	-	-	Yes	-	-	-	-	Yes	-	-
Sadai		By both	539	Yes	Yes	-	-	Yes	-	Yes	-	-	Yes	-	Yes
Shani		By both	310	(P)Yes	Yes	-	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	-
Sharola		By both	933	Yes	Yes	-	Yes	-	-	-	Aru- vedic	-	Yes	Yes	-
SAMRA 14 km															
Samra		By both	735	(P)Yes	Yes	-	Yes	Yes	-	Yes	Aru- Vedic	-	Yes	-	Yes
Shalli		By both	354	Yes	-	-	-	Yes	-	-	-	-	Yes	-	-
Urai		By both	532	Yes	Yes	-	-	Yes	Yes	Yes	-	-	Yes	-	Yes
Jagat		By both	798	Yes	Yes	-	-	Yes	-	-	-	-	Yes	-	-
Ha Hat		By both	389	Yes	Yes	-	-	Yes	-	-	-	-	Yes	-	-
TUNDAH 19 km															
Supa		By both	358	Yes	Yes	-	-	-	-	-	-	-	Yes	-	Yes
Manda		By both	489	Yes	-	-	Yes	-	-	Yes	-	-	Yes	-	-
Sirari		By both	619	(P)Yes	Yes	-	-	Yes	Yes	Yes	-	-	Yes	-	Yes
Poolan-Palan		By both	859	Yes	Yes	-	-	Yes	-	-	Yes	-	-	-	-
Gherer		By both	443	(P)Yes	Yes	Yes	-	Yes	Yes	-	Yes	-	Yes	Yes	Yes
KUGTI 14 km															
Hadsar		By both	366	(P)Yes	Yes	-	-	-	-	-	Yes	-	Yes	-	Yes
Chobia		By both	551	(P)Yes	-	-	Yes	Yes	-	Yes	Yes	-	Yes	-	-
HOLI 40 km															
Deol		By both	509	(P)Yes	Yes	-	-	Yes	-	Yes	-	-	Yes	Yes	Yes
Holi		By both	757	(P)Yes	Yes	-	Yes	Yes	-	Yes	-	-	Yes	-	Yes

APPENDIX A - III

Minimum Wage Rates Fixed by Government of Himachal Pradesh
Applicable w.e.f. 1.4.1991.

Sr. No.	Activity	Wage rates (Rs. per hour)	Personnel
1.	Child care	2.25	Attendant (unskilled)
2.	Meal pre-preparations	2.62	'Dhaba cook', waiter (semi-skilled)
	i) Preparations		
	ii) Cooking		
	iii) Serving		
3.	Care of house	2.25	Attendant (unskilled)
4.	Care of clothes	2.62	Laundry man
5.	Shopping	2.62	Helper
6.	Account keeping	2.62	Accountant ('Munshi')
7.	Fetching water	2.25	Helper
8.	Fetching fuel	2.75	Agricultural labourer (unskilled)
9.	Care of others	2.25	Attendant (unskilled)
10.	Animal care	2.75	Agricultural labourer
11.	Fetching fodder	2.75	Forest labourer
12.	Agriculture work	2.75	Agricultural labourer
13.	Spinning	3.00	Hosiery manufacturer (semi-skilled)
14.	Weaving	3.32	Weaver (semi-skilled)
15.	Tailoring	3.32	Tailor (skilled)
16.	Kitchen garden	2.25	Gardner
17.	Miscellaneous	2.25	Attendant (unskilled,

* Average for all separate tasks.

APPENDIX A - IV

Methods of Estimation of Economic Role Performance by Women

Opportunity Cost Method II : Based on an Earning Function

This method was based on earning function as mentioned in Chapter III pp.

Steps

(i) Estimation of an earning function (Y) as mentioned in method II pp.

(ii) Estimation of non-market work

a. For Employed Respondents :

- Per hour wage (PHW) was calculated on the basis of above mentioned earning function for each and every employed respondent.
- Non-market (monthly) work hours were multiplied (NMWH) with (PHW) as calculated above = (NMWH X PHW).

b. For Non-employed Respondents

The same earning function (Y) based on regression equation was imputed for non-employed respondents by making necessary changes as follows :

- Experience (EXP) = 0
- Experience X Education i.e., (EXP X EDU) = 0
- Education = 0 in case of illiterates.

It was considered appropriate to impute the wage equation (Y) derived from market work of employed respondents which was based on their education and experience to their counterpart non-employed respondents with the above mentioned changes. This will give the expected income of non-employed respondents as their experience in market work is zero. It should be mentioned here that this method explicitly gives more weightage/emphasis to the education variable and thus the results are likely to be biased. Secondly their experience being zero, does not mean that there was no scope of their potential experience in market work to be positive had they decided to enter the same. In spite of these limitations this method was used to estimate the expected earnings of each and every non-employed respondents as per their human capital characteristics.

(iii) Economic Role Performance

- a. Employed Respondents : It included estimated monetary value of time spent in non-market productive work i.e., $(NMWH \times PHW) +$ estimated earnings (Y) based on earning equation for each and every employed respondent.
- b. Non-employed Respondents : Estimated / Imputed monthly earnings : based on earning function (Y) after necessary changes as mentioned above for each and every non-employed respondent.

Table 71 :Mean Monthly Valuation of Non-market Work and Economic Role Performed by Employed and Non-employed Respondents by Opportunity Cost Method II Based on Earning Function

Employment Status (N=200)	<u>Valuation of Economic Role</u>		
	Non-market Work (Rs.)	Market Work (Rs.)	Economic Contribution (Rs.)
Employed (N=100)	768.90	422.70	1191.60
Non-employed (N=100)	300.30	--	300.30

The mean monthly monetary valuation of non-market work was estimated by earning function to be Rs. 768.90 for employed and Rs. 300.30 for non employed respondents (Table 71). The mean monthly income from market work by employed respondents was estimated on the basis of wage equation (Rs. 422.70). The economic contribution of employed respondents through market and non-market work was estimated to be Rs. 1191.60 and for non-employed respondents Rs. 300.30.

Opportunity Cost III : Based on weighted average earnings

Steps

(i) The weighted average income earned by employed respondents was calculated as follows :

- The employed and non-employed sample was grouped according to their educational qualification as :

Illiterate
upto primary level
Above primary level

- Income earned, under above mentioned categories from market work was multiplied by number of respondents at different levels of earnings. The sum of these was divided by corresponding number of respondents in that education category. Thus, the weighted average income was obtained.
- This weighted average income was applied to each group of respondents having similar qualification amongst non-employed respondents.

The method of application of weighted average earnings of employed respondents to their counterpart non-employed respondents was considered appropriate as employed respondents were having similar pattern of educational qualification and belonged to the same tribal area as employed respondents except that they did not participate in market work. However, this method is biased. Since education is again considered the only human capital variable affecting the income and secondly the weighted average is sensitive to the number of respondents and income which is unique to the sample. Thus, there is a sample bias also.

(ii) Estimation of non-market work

a. For Employed Respondents :

Per hour wage (PHW) was calculated from the actual income earned from market work.

Per hour wage was multiplied by monthly hours of non-market productive work hours by employed respondents. This valuation resulted in estimating the cost of time spent in performing non-market work by employed respondents.

b. For Non-employed Respondents

The weighted average valuation as mentioned in step (i) was applied in estimating the cost of time spent in performing non-market work by non-employed sample.

Thus, the economic role performance for :

- a. Employed Respondents : estimated cost of time spent in non-market productive work (mentioned in step ii) by employed respondents + actual monthly earnings from market work.
- b. Non-employed Respondents : the weighted average valuation of non-market productive work by non-employed respondents as mentioned in step (i).

In case of employed women, the monthly valuation of non-market work, based on their earnings from market work, also has a bias. The value of non-market work due to their nature, intensity and skill required, can not be made equivalent to the earnings from corresponding market work. Logically for similar type of non-market work, the valuation should be at par across women assuming their skills to be homogenous. But this method would give different values depending upon their income from market which is again specific to the sample. In spite of this limitation

the monetary value of non-market work of entire sample was estimated by this method to find out the variation in the result.

Table 72 : Mean Monthly Valuation of Non-market Work and Economic Role Performed by Employed and Non-employed Respondents by Opportunity Cost Method Based on Weighted Averages.

Employment Status (N=200)	<u>Valuation of Economic Role per Month</u>		
	Non-market Work (Rs.)	Market Work (Rs.)	Economic Contribution (Rs.)
Employed (N=100)	1835.45	1380.76	3216.21
Non-Employed (N=100)	1027.92	--	1027.92

The findings disclosed that mean monthly monetary valuation of non-market work based on weighted average earnings was estimated to be Rs.1835.45 for employed and Rs. 1027.92 for non employed respondents (Table 72). The actual mean monthly income of employed respondents from market work was calculated to be Rs. 1380.76. The economic contribution of respondents through participation in market and non-market work was estimated to be 3216.21 for employed and Rs. 1027.92 for non employed respondents.

APPENDIX A - V

Food Adequacy and Consumption Expenditure per Consumption Unit

For assessment of the adequacy of food it becomes necessary to bring the whole family at a unit level so as to get a realistic and comparable picture. Family members are a group of persons of different age groups and sex. For this purpose food intake of women and children are assessed in terms of those of the average man by applying appropriate co-efficients to the different age, sex group and occupation too. In the present study number of consumption units were calculated by this method.

For example; a family consisting of father doing sedentary work and mother and three children aged 10, 8 and 6 years has an adult man equivalent or consumption unit of 3.9 (i.e., $1.0 + 0.8 + 0.8 + 0.7 + 0.6$) and the daily energy requirement of the family would be 2400×3.9 or 9400 Kcals. (Gopalan, 1993) The calorie intake of each household was calculated from dietary composition tables. The results of actual calorie intake were compared with the standards of Recommended Dietary Allowances. The assessment was made at three levels.

More than Adequate	=	3
Adequate	=	2
Inadequate	=	1

These scores were helpful in determining the health status of all members of households under study and were used as indicator of health status in composite household development indicators.

Per Unit Consumption Expenditure Pattern : Expenditure pattern was assessed on the basis of per consumptions unit as calculated for estimation of food adequacy.