APPENDIX I

GRASS-ROOT LEVEL INTERVIEW SCHEDULE No.1

Name of Researcher : ____________________________ Date of Data Collection

I GENERAL

Serial Number
Block
Village
Name of Respondent

II PERSONAL DATA

1. Sex
2. Occupation a) Main b) Subsidiary
3. Age
4. Marital Status Single/Married/Divorced/Separated/Widow/Widower
5. Caste
6. Religion

7. Family size

<table>
<thead>
<tr>
<th>Name of Family Member</th>
<th>Relationship with Head of House</th>
<th>Sex</th>
<th>Age</th>
<th>Education</th>
<th>Wage earner (W)</th>
<th>Dependent (D)</th>
<th>Income Rs/Sh</th>
</tr>
</thead>
</table>
6. (a) Total Number of Dependents

EDUCATION: Illiterate
Elementary (1-8 Grades)
Secondary (9-12 Grades)
Diploma (Agriculture)

Non-Agricultural graduate
Agricultural graduate
Others - specify

(b) Reasons for dependency:
(a) Children
(b) Old age
(c) Sickness
(d) Handicapped
(e) Others (Specify)

9. 

<table>
<thead>
<tr>
<th>Family Asset</th>
<th>Family Income Rs/Sh</th>
<th>Family Expenditure Rs/Sh</th>
<th>Family Savings Rs/Sh</th>
<th>Family Present Debts Rs/Sh</th>
</tr>
</thead>
</table>

GROWTH CODES

Owner Cultivation  - O
Agricultural Labourer  - A.L
Non-agricultural Labourer  - N.A.L
Artisan  - A
Services  - S
Business  - E
No-subsidiary  - N.S.
Others (Specify)  - Q(S)
### III A) LAND PARTICULARS

<table>
<thead>
<tr>
<th>Cultivable land (Acres)</th>
<th>Irrigated land (Acres)</th>
<th>Dry land (Acres)</th>
<th>Waste land (Acres)</th>
<th>Forest land (Acres)</th>
<th>Total (Acres)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

### III B) MAJOR, MINOR, COMMERCIAL AND SUBSISTENCE CROPS (For the last 5 years)

<table>
<thead>
<tr>
<th>Crop Name</th>
<th>Major Crop</th>
<th>Minor Crop</th>
<th>Commercial Crop</th>
<th>Subsistence Crop</th>
<th>Sowing Season</th>
<th>Marketing Season</th>
<th>Area grown (Acres)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

### C) CROPS GROWN (CROPPING PATTERN) (For the last 5 years)

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Type of crops intercropped</th>
<th>Sowing Season (Per Crop)</th>
<th>Marketing Season (Per Crop)</th>
<th>Area (Acres)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>
D) ON-FARM AND OFF-FARM ACTIVITIES AND LABOUR SOURCE

<table>
<thead>
<tr>
<th>On-Farm</th>
<th>Labour source</th>
<th>Off-farm</th>
<th>Labour source</th>
<th>Ear:</th>
</tr>
</thead>
</table>

Major Activities

Minor Activities

- Family labour - F
- Hired labour - H
- Family & Hired labour - F & H

IRRIGATION

1. What are the water sources in your village? (Choose)
   - River
   - Tanks
   - Wells
   - Oasis
   - Others (specify)

2. State any irrigation facility(ies) on your farm and how you acquired it.
   - Facility name
   - Means of acquiring

3. Do you get adequate water supply in every season?
   - Yes
   - No
V) LIVESTOCK

4a) How many farm animal (livestock) do you own? How did you acquire them?

- Cattle
- Goats
- Sheep
- Camel
- Buffalo
- Donkeys
- Others (specify)

b) What are the major diseases that affect your animals?

5) What improved breeds of farm animals do you own?

6a) Do you get services from a Government Veterinary Doctor for your animals?

- Yes
- No

b) If yes, at what cost?

c) If No, give reasons

VI) PARTICIPATION AND PERCEPTION OF ASAL/DPAP PROGRAMME

7a) Do you have a village task force/Location Development committee?

- Yes
- No

b) Yes, are you a member?

- No
c) If Yes/No, do you know a programme called ASAL/DPAP?
   
   Yes      No

   ASAL - Arid and Semi-Arid Land
   DPAP - Drought Prone Area Programme

   d) If 'Yes', do you participate directly in the decision making of ASAL/DPAP programme at the village level?
      
      Yes      No

   e) If 'Yes', do you prioritise your projects in accordance with the most needy one?
      
      Yes      No

3a) If you are not a member of the village task force committee, do you have a representative on the committee?
    
    Yes      No

   b) If 'Yes', does he/she consult you to find out your views with regard to projects you need and prefer most?
      
      Yes      No

   c) If 'No', do you ever meet him/her to discuss your views with regard to development in the village?
      
      Yes      No
9a) Do you prefer village task force committee?
   Yes   No

   b) If 'Yes', why?

   c) If 'No', give reasons

10a) Do you participate in the implementation/execution of ASAL/DPAP Programme?
    Yes   No

   b) If 'Yes', state how you participate (Choose)
      - Contribute funds
      - Contribute labour
      - Contribute both labour and funds
      - Others (specify)

11) Do you think this programme is really meant to uplift you or it's purely a Govt. of India/Kenya affair (Choose)?
    Upliftment         Government Affair
12) State any Tangible/Intangible assets availed to you or your village through ASAL/DPAP or any other programme.

<table>
<thead>
<tr>
<th>Tangible Assets Programme (Personal)</th>
<th>Name of Tangible Assets (Community/Village)</th>
<th>Intangible Assets Programme (Personal)</th>
<th>Name of Intangible Assets Programme (Community/Village)</th>
</tr>
</thead>
</table>

13) (a) Do you get fair prices for your farm/firm produce? Yes / No
(b) If 'No', what are the reasons.

14) State the Major marketing problems for your produce

15) What special activities do you undertake to supplement your income during severe drought?

16) How do you meet food requirements both for you and your livestock during severe drought (Choose)
   - Sell animals
   - Migrate
   - Get government/NGO relief
   - Borrow cash from banks/co-ops/money lenders
   - Hire out labour/bullocks
   - Reduce current commitments (consumptions)
   - Others (specify)
17a) Are you a member of any Co-operative society in your village?
   Yes      No

   b) If 'Yes', what type of Co-operative society?

18a) Do you get any credit from your Co-operative Society?
   Yes      No

   b) If 'Yes', do you get it in time?
      Yes     No

   c) Is the loan you get adequate to meet your requirements?
      Yes     No

   d) Any other source of finance? (specify) Also state the security (Collateral

19a) Do you leave some land fallow in a given season?
   Yes      No

   b) If 'Yes', to what extent?

      Garden Land -       Acres
      Dry land     -       Acres
      Total        -       Acres
c) Why do you allow the land to remain fallow? (Choose)
   - Water scarcity
   - To recoup lost fertility of the soil
   - For crop rotation
   - Others (specify)

d) Do you own the land or its on lease? (Choose)
   - Privately owned
   - Lease
   - Communal
   - Landless
   - Others (specify)

20a) Have you got any training in project identification?
    Yes        No

b) If 'Yes', by who?

21a) Does a government Extension worker/Welfare Officer visit you on your farm/business?
    Yes        No

b) If 'Yes', does he/she address you individually or in a group?
    - Individual
    - Group

c) Does he/she visit you regularly?
    Yes        No
d) If 'Yes', after how long? (Choose)
   - TV/ice a week
   - Weekly
   - Monthly
   - Twice a month
   - Others (specify)

e) If 'No', where do you learn from, of the latest and appropriate methods of farm/Business Management? (Choose)
   - Neighbours
   - Friends
   - Over Radio
   - Own Trials
   - Others (specify)

22) ARTISANS:
   a) What is the Main Source of your income?
   b) How much do you earn Per Day/Month (Rs/Sh?)

23) LANDLESS:
   a) Do you work for other people all the year round? Yes / No
   b) If 'No', how many months do you work for other people?
   c) What do you do during periods of non-working?
   d) How much are you paid (wages) per day? (Rs/Sh)
   e) Are you paid in (a) cash, (b) kind or (c) Both kind & cash
GINI'S RATIO MEASURE OF INEQUALITY

Inequality is measured by Gini's ratio, which is the proportion between the area enclosed by the Lorenz curve diagonal to the triangle OHA, the value of which, by the application of the trapezoidal rule is,

\[ \frac{1}{n} \sum_{i=1}^{n} (q_i - q_{i-1}) \]

where \( q_i \) is the \( i^{th} \) cumulative proportion and \( n \) is the no. of expenditure classes.

Gini's concentration ratio can be located between the point 0 where everybody gets everything. In actual fact, this variable has a value below 0.5.

The distribution of expenditure available is in the form of the table below:

<table>
<thead>
<tr>
<th>Size of class of expenditure</th>
<th>Proportion of individual</th>
<th>Proportion of expenditure</th>
<th>Cumulative Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>( p_i )</td>
<td>( q_i )</td>
<td>( p_i \cdot q_i )</td>
</tr>
<tr>
<td>1</td>
<td>( p_1 )</td>
<td>( q_1 )</td>
<td>( p_1 \cdot q_1 )</td>
</tr>
<tr>
<td>2</td>
<td>( p_2 )</td>
<td>( q_2 )</td>
<td>( p_2 \cdot q_2 )</td>
</tr>
<tr>
<td>\vdots</td>
<td>\vdots</td>
<td>\vdots</td>
<td>\vdots</td>
</tr>
<tr>
<td>( i )</td>
<td>( p_i )</td>
<td>( q_i )</td>
<td>( p_i \cdot q_i )</td>
</tr>
<tr>
<td>\vdots</td>
<td>\vdots</td>
<td>\vdots</td>
<td>\vdots</td>
</tr>
<tr>
<td>( n )</td>
<td>( p_n )</td>
<td>( q_n )</td>
<td>( p_n \cdot q_n )</td>
</tr>
<tr>
<td>Total</td>
<td>1</td>
<td>Total 1</td>
<td></td>
</tr>
</tbody>
</table>

The table shows the distribution of expenditure available, with each row representing a class of expenditure.