APPENDIX-A

A-1 Occupational structure of different countries as ILO classification

<table>
<thead>
<tr>
<th>ILO Occupations</th>
<th>Czech Republic</th>
<th>Hungary</th>
<th>Mexico</th>
<th>Poland</th>
<th>New Zealand</th>
<th>Pakistan</th>
<th>Urban Pakistan</th>
<th>Pakistan Rural</th>
</tr>
</thead>
<tbody>
<tr>
<td>Legislators, senior officials and managers</td>
<td>6.35</td>
<td>6.00</td>
<td>1.95</td>
<td>5.05</td>
<td>12.50</td>
<td>1.72</td>
<td>4.11</td>
<td>0.72</td>
</tr>
<tr>
<td>Professionals</td>
<td>10.00</td>
<td>12.10</td>
<td>2.65</td>
<td>16.20</td>
<td>13.90</td>
<td>3.3</td>
<td>5.63</td>
<td>2.33</td>
</tr>
<tr>
<td>Technicians and assoc. professionals</td>
<td>18.75</td>
<td>14.20</td>
<td>11.45</td>
<td>16.05</td>
<td>11.00</td>
<td>2.26</td>
<td>4.48</td>
<td>1.33</td>
</tr>
<tr>
<td>Clerks</td>
<td>8.85</td>
<td>7.80</td>
<td>6.85</td>
<td>11.05</td>
<td>12.50</td>
<td>1.81</td>
<td>3.91</td>
<td>0.94</td>
</tr>
<tr>
<td>Shop and market sales</td>
<td>12.60</td>
<td>15.70</td>
<td>22.70</td>
<td>7.00</td>
<td>14.00</td>
<td>27.36</td>
<td>43.75</td>
<td>20.51</td>
</tr>
<tr>
<td>Skilled agr. and fishery</td>
<td>2.30</td>
<td>2.65</td>
<td>20.65</td>
<td>0.30</td>
<td>8.00</td>
<td>37.62</td>
<td>5.62</td>
<td>51.01</td>
</tr>
<tr>
<td>Craft and related trades</td>
<td>19.85</td>
<td>22.10</td>
<td>11.80</td>
<td>21.80</td>
<td>8.40</td>
<td>3.85</td>
<td>7.34</td>
<td>2.40</td>
</tr>
<tr>
<td>Plant and machine operators</td>
<td>12.20</td>
<td>10.65</td>
<td>7.55</td>
<td>12.20</td>
<td>8.00</td>
<td>3.87</td>
<td>6.31</td>
<td>2.85</td>
</tr>
<tr>
<td>Elementary occupations</td>
<td>9.10</td>
<td>8.75</td>
<td>14.40</td>
<td>10.25</td>
<td>5.80</td>
<td>18.2</td>
<td>18.84</td>
<td>17.93</td>
</tr>
</tbody>
</table>


A-2 Significance level of coefficient of correlation between the growth of public establishment and the growth of population, private enterprises and government office-based occupations

<table>
<thead>
<tr>
<th>ILO Occupations</th>
<th>Serchhip</th>
<th>Thenzawl</th>
<th>N.Vanlaiphai</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population</td>
<td>0.988</td>
<td>0.907</td>
<td>0.274</td>
</tr>
<tr>
<td>Senior officials &amp; managers</td>
<td>0.925</td>
<td>0.989</td>
<td>0.964</td>
</tr>
<tr>
<td>Professionals</td>
<td>0.942</td>
<td>0.975</td>
<td>0.983</td>
</tr>
<tr>
<td>Technicians &amp; assoc. professionals</td>
<td>0.999</td>
<td>1.000</td>
<td>0.991</td>
</tr>
<tr>
<td>Clerks</td>
<td>0.993</td>
<td>0.999</td>
<td>0.984</td>
</tr>
<tr>
<td>Plant &amp; machine operators</td>
<td>0.989</td>
<td>0.986</td>
<td>0.924</td>
</tr>
<tr>
<td>Public establishments</td>
<td>0.956</td>
<td>0.948</td>
<td>0.863</td>
</tr>
<tr>
<td>The growth Private enterprises and Population</td>
<td>0.958</td>
<td>0.772</td>
<td>0.257</td>
</tr>
</tbody>
</table>

A-3 Occupational Structures of the Study Urban Centres

<table>
<thead>
<tr>
<th>ILO Occupations</th>
<th>Serchhip</th>
<th>Thenzawl</th>
<th>N.Vanlaiphai</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Legislators, senior officials and managers</td>
<td>0.40</td>
<td>0.67</td>
<td>0.96</td>
</tr>
<tr>
<td>2. Professionals</td>
<td>7.98</td>
<td>5.70</td>
<td>5.29</td>
</tr>
<tr>
<td>3. Technicians and associate professionals</td>
<td>11.44</td>
<td>5.70</td>
<td>4.33</td>
</tr>
<tr>
<td>4. Clerks</td>
<td>5.45</td>
<td>4.70</td>
<td>6.25</td>
</tr>
<tr>
<td>5. Shop and market sales</td>
<td>11.97</td>
<td>8.39</td>
<td>3.37</td>
</tr>
<tr>
<td>6. Skilled agricultural and fishery</td>
<td>32.85</td>
<td>37.58</td>
<td>35.58</td>
</tr>
<tr>
<td>7. Craft and related trades</td>
<td>4.65</td>
<td>2.68</td>
<td>5.29</td>
</tr>
<tr>
<td>8. Plant and machine operators</td>
<td>3.99</td>
<td>5.70</td>
<td>3.37</td>
</tr>
<tr>
<td>9. Elementary occupations</td>
<td>20.74</td>
<td>27.85</td>
<td>35.10</td>
</tr>
</tbody>
</table>
A-4 Distribution of Population, Households and workers in Mizoram in 2001  
*(Percentage distribution)*

<table>
<thead>
<tr>
<th></th>
<th>Rural</th>
<th>Urban</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Households</td>
<td>49.37</td>
<td>50.63</td>
<td>100.00</td>
</tr>
<tr>
<td>Population</td>
<td>50.37</td>
<td>49.63</td>
<td>100.00</td>
</tr>
<tr>
<td>Worker</td>
<td>54.81</td>
<td>45.19</td>
<td>100.00</td>
</tr>
<tr>
<td>Cultivators</td>
<td>81.66</td>
<td>23.77</td>
<td>55.97</td>
</tr>
<tr>
<td>Agri. Labour</td>
<td>2.01</td>
<td>4.22</td>
<td>2.99</td>
</tr>
<tr>
<td>Household Ind.</td>
<td>0.73</td>
<td>1.80</td>
<td>1.21</td>
</tr>
<tr>
<td>Other Workers</td>
<td>15.60</td>
<td>70.20</td>
<td>39.83</td>
</tr>
<tr>
<td>Total</td>
<td>100.00</td>
<td>100.00</td>
<td>100.00</td>
</tr>
</tbody>
</table>

*Sources: Census of India, 2001, Provisional*

*(in percent)*

<table>
<thead>
<tr>
<th></th>
<th>Rural</th>
<th>Urban</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Households</td>
<td>51.50</td>
<td>48.50</td>
<td>100.00</td>
</tr>
<tr>
<td>Population</td>
<td>51.95</td>
<td>48.05</td>
<td>100.00</td>
</tr>
<tr>
<td>Worker</td>
<td>56.03</td>
<td>43.97</td>
<td>100.00</td>
</tr>
<tr>
<td>Cultivators</td>
<td>85.45</td>
<td>56.62</td>
<td>72.77</td>
</tr>
<tr>
<td>Agri. Labour</td>
<td>0.60</td>
<td>4.51</td>
<td>2.32</td>
</tr>
<tr>
<td>Household Ind.</td>
<td>1.38</td>
<td>4.26</td>
<td>2.64</td>
</tr>
<tr>
<td>Other Workers</td>
<td>12.57</td>
<td>34.61</td>
<td>22.27</td>
</tr>
<tr>
<td>Total</td>
<td>100.00</td>
<td>100.00</td>
<td>100.00</td>
</tr>
</tbody>
</table>

*Sources: Census of India, 2001, Provisional*
APPENDIX-B

Household Questionnaire

Questionnaire No. _________ Sample No. _________

QUESTIONNAIRE FOR HOUSEHOLDS SURVEY
Lalmuanikma, Ph.D Scholar, Department of Geography, NEHU, Shillong
© Department of Geography, NEHU, Shillong

1.1 Town Name: ____________________________
1.2 Ward/ Locality Name: ____________________________
1.3 House No (If available) ____________________________
1.4 Name of the Head of the Household ____________________________
1.5 Sex: M/F ____________________________
1.6 Age: (In completed years) ____________________________
1.7 Total members of the households: ____________________________
1.8 M/F ____________________________
1.9 Members between Age 15 and 65 years: ____________________________
1.10 Property Status
   Owned:1, Rented:2, Quarters: 3)
1.11 House Type
   (Makeshift:1, Semi Permanent:2, Assam Type:3, RCC: 4)
1.12 Household Income (from all sources/ year) Rs. __________
1.13 Agricultural Land Owned by the HH in Ha./ Acres __________

2. HOUSEHOLD'S DEMOGRAPHY: (Only between age 15 and 65 years)

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Name of the member</th>
<th>Relationship With HHH (2.1)</th>
<th>Age (2.2)</th>
<th>Sex 2.3</th>
<th>Educational Qualifications 2.4</th>
<th>Principal Occupation 2.5</th>
<th>Monthly Income in Rs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(Options: Relationships: Father, 1, Mother, 2, son,3, daughter,4, others, 5. Sex: Male, 1, Female, 2. Educational Qualifications: Illiterate, 1, Primary, 2, High School, 3, HS, 4, Graduate, 5, PG, 6, professional, 7, others, 8. Occupations: Use the ILO 3 digit code for appropriate occupational classes.

3. Migration Status and Occupations:
3.1 Are you a permanent resident of the town? (Yes/No: 1/0)
   (If, the person has lived with family more than 20 years)
3.2 If no, how long have you migrated?
   (less than 1 year: 1, 1-5 yrs:2, 6-10 yrs:3, 11-15 yrs:4, 16-20 yrs:5)
3.3 Distance of your earlier place of residence from the present town
   (in Km.)
3.4 What was your former occupation? (at place of origin)
3.5 After you came here, did you change your occupation? (Yes/No: 1/0)
3.6 If yes, what was your former occupation here after you came?
   (ILO 3 digit codes)
3.7 Why did you migrate to this town?
   (Low income in place of origin: 1, Education of self: 2, Marriage: 3, job offer: 4, Natural disaster: 5, Social unrest: 6, Any Other: 11)
3.8 Are you better off (economically) now? (Yes/No: 1/0)
3.9 Do you visit your earlier place of residence? (Yes/No: 1/0)
3.10 If yes, for what reasons?
   (Landed property: 1, social reasons: 2, Any other: 11)
3.11 How frequently you visit?
   (Once a year: 1, Once a month: 2, Once a week: 3, Very frequently: 4)
3.12 What is your income from land/ other assets at original place?
   (in Rs. Per year)

4. Occupational Change in Non-migrants:
4.1 If you are a permanent resident (3.1) have you changed your occupation earlier? (Yes/No: 1/0)
4.2 If yes, what was your earlier occupation?
   (ILO 3 digit codes)
4.3 Why did you change your occupation?
   (Low in earlier occupation: 1, acquired new skills: 2, social reasons: 3, Any other: 11)
4.4 Was your parental occupation different from yours? (Yes/No: 1/0)
4.5 What was your parental occupation?
   (ILO 3 digit codes)
4.6 Why you changed from your parental occupation?
   (Education: 1, Moving to town: 2, Better income: 3, Acquiring new property: 4, Prestige: 5, Any other: 11)

5. Household level dynamics of occupation and income:
5.1 Do you have rental incomes from house property? (Yes/No: 1/0)
5.2 If yes, how much per month?
5.3 Do you have a second occupation? (Yes/No: 1/0)
5.4 If yes, what is the occupation?
   (ILO 3 digit codes)
5.5 How much time you devote to this occupation per day? (in hrs)
5.6 If you are in business, or service or profession, do you have agricultural land near the town?
   (Yes/No: 1/0)
5.7 Who cultivates the land?
   (self: 1, Children: 2, Other relations: 3, Leased out: 4, Others: 5)
5.8 What is the approximate annual income from the agricultural land?
   (Value of annual turnover- (labour + material costs))
5.9 If you are in business, do your family members work there?
   (Yes/No: 1/0)
5.10 If yes, who are they?
   (Wife: 1, Wife & children: 2, Only children: 3, Everyone in family: 4)
5.11 Do you pay separate salary/ wages to them? (Yes/No: 1/0)
5.12 If yes, total amount per month (in Rs.)

6. Time allocation and occupations:
6.1 How much time you devote/per day to your main occupation?
   (in hrs)
6.2 What time of the day you are in your main occupation?
(Whole day: 1, Morning hours: 2, Evening hours: 3, Any others: 11)
6.3 How much time you give to your second occupation? (in hours/day)
6.4 What time of day?
(Morning hours: 1, Evening hours: 2, Any others: 11)
6.5 Do you carry work concerning your occupation to home?
(Yes/No: 1/0)
6.6 If yes, how much time you devote for that? (Av./day in hrs.)
6.7 Is your secondary occupation season related? (Yes/No: 1/0)
6.8 If yes, how many weeks in a year?

7. Other attributes of occupation:
7.1 Does your occupation make you travel often? (Yes/No: 1/0)
7.2 If yes, how far every day on the average? (in Km)
7.3 How many times a week do you travel?
7.4 Does your occupation has health concerns? (Yes/No: 1/0)
7.5 If yes, what precautions to you take regarding your health?
(Medical precautions: 1, mechanical devices: 2, Any others: 11)

Signature of Enumerator
Date/ Place:
Establishment Survey Questionnaire

Q No.

SCHEDULE FOR SURVEY OF ESTABLISHMENTS

R. Lalmuankima, Ph.D. Scholar,
Dept of Geography, North-Eastern Hill University, Shillong

1. Town: Serchhip / Thenzawl / N.Vanlaiphai
2. Locality/ Ward: ____________________________
3. Name of the Establishment:
4. Name of Head of the establishment:
5. Designation:
   (Proprietor, Principal, Director/ DD/AD etc)
6. Type of Establishment: _________
7. Year of Establishment: _________

8. Number of Employees:
   a. HH _________
   b. Managerial _________
   c. Tech/skilled _________
   d. General _________
9. Total Employees:
   i. Permanent _________
   ii. Temporary _________
10. Area jurisdiction or operational area
    a. Concentrated in particular town only □
    b. Connected to rural area □
    c. Connected to other urban areas □
    d. Connected to state outside □
11. Source of Finance:
    a. Government □
    b. Bank □
    c. Private finance/ Company □
    d. Others □
12. In case private establishments, capital deployed (in Rs. ‘000):
    a) Fixed capital (building etc) _________
    b) Equipment/ Machinery: _________
    c) Cost of Materials (inputs)/ m _________
    d) Wages/ Salaries/ m _________
    e) Incidentals (rents, electricity, taxes, Repair maintenance, Insurance etc)/m _________
13. Annual Turnover (in Rs.’000): _________
14. Number of clients/ day: _________
15. Problems faced by the firm:
   a. Financing problem □
   b. Marketing problems □
c. Raw materials

d. Skilled Worker problem

e. Technical problems

f. Transport problems

16. Do you receive any governmental support (private establishments)?

a. Capital subsidy

b. Technical/ training support

c. Salary subsidy (Edu)

d. Others

17. Give occupational classes of all employees:

<table>
<thead>
<tr>
<th>Major Occupation Groups</th>
<th>Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>MG 1: Legislators/ Senior Officers/ Managers</td>
<td></td>
</tr>
<tr>
<td>MG 2: Professionals</td>
<td></td>
</tr>
<tr>
<td>MG 3: Tech &amp; assoc. Professionals</td>
<td></td>
</tr>
<tr>
<td>MG 4: Clerks</td>
<td></td>
</tr>
<tr>
<td>MG 5: Shop and Market/ Sales</td>
<td></td>
</tr>
<tr>
<td>MG 6: Skilled Agri. Fishery</td>
<td></td>
</tr>
<tr>
<td>MG 7: Craft &amp; related trade</td>
<td></td>
</tr>
<tr>
<td>MG 8: Plant &amp; Machinery operators</td>
<td></td>
</tr>
<tr>
<td>MG 9: Elementary Occupations</td>
<td></td>
</tr>
</tbody>
</table>

*OPTIONS FOR 6:

Shop: 1 (Books & stationery 1, Grocer 2, General merchandise 3, Clothe 4, Electrical 5, mechanical 6, Communication 7, Durables 8, green grocery/meat/fish 9),

Educational 2 (Primary 1, Middle School 2, Secondary 3, HS 4, College 5, others 9),

Office 3 (Govt 1, Private 2),

Agencies 4 (Transport 1, Financial 2, others 9),

Repairs 5 (Household articles 1, electrical 2, electronics 3, transportation 4, agricultural implements 5, others 9),

Manufacturing 6 (garments/tailoring 1, knitting/mending 2, furniture 3, metal fabrication 4, weaving 5, metal working 6, Construction materials 7, Printing & publishing 8, Others 9),

Energy 7 (Petrol pump 1, Kerosene 2, Power generation 3),

Animal husbandry 8 (cattle 1, poultry 2, Piggery 3, pisciculture 4, others 9),

Banking/ Finance 9 (Commercial 1, Co-operatives 2, Insurance 3, Others 9),

Household/Cottage Industry 10 (Tobacco proc. & rolling 1, Cane & basketry 2, tea processing (ss) 3, spices & condiments 4, Pickles 5, Meat/fish processing 6, Others 9),

Transport 11 (Taxis 1, buses 2, trucking 3, Others 9),

Restaurant & Hotels 12 (Restaurant 1, Hotels 2, Boarding Houses/Hostels 3, tea shops/eateries, 4, Others 9),

Food Processing 13 (Fruit canning 1, Bakery 2, Others 9),

Undertakers 14 (House/Buildings 1, Roads/bridges 2, Others 9),

Health 15 (Druggist 1, Pharmacists 2, Doctors 3, Veterinarians 4, Others 9)