### Appendix 6.1

**Ranking of Districts Based on Sub-head/Hectare of "Districtwise Distribution of Divisible Plan Scheme"**

<table>
<thead>
<tr>
<th>Districts</th>
<th>1970-71</th>
<th>1976-77</th>
<th>1982-83</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Agricultural Production</td>
<td>Minor Irrigation</td>
<td>Soil Conservation</td>
</tr>
<tr>
<td>1. Ludhiana</td>
<td>1</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>2. Jullundur</td>
<td>6</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>3. Amritsar</td>
<td>9</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>4. Kapurthala</td>
<td>3</td>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>5. Sangrur</td>
<td>11</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>6. Patiala</td>
<td>5</td>
<td>6</td>
<td>11</td>
</tr>
<tr>
<td>7. Gurdaspur</td>
<td>7</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>8. Noshiarpur</td>
<td>4</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>9. Sangrur</td>
<td>2</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>10. Ferozepur</td>
<td>8</td>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>11. Bhautha</td>
<td>10</td>
<td>11</td>
<td>9</td>
</tr>
<tr>
<td>12. Faridkot</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

P.S.L.B stands for Punjab State Electricity Board.
### Appendix 6.2

**Districts’ Share to Total State Level Plan Outlays (Percentage)**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Central Plain Region</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LUDHIANA</td>
<td>30.6</td>
<td>3.5</td>
<td>9.6</td>
<td>4.3</td>
<td>11.5</td>
<td>3.02</td>
<td>10.6</td>
<td>11.5</td>
<td>11.7</td>
<td>11.0</td>
<td>14.0</td>
</tr>
<tr>
<td>JULLUNDUR</td>
<td>5.2</td>
<td>4.0</td>
<td>7.2</td>
<td>4.6</td>
<td>7.6</td>
<td>0.71</td>
<td>5.1</td>
<td>3.8</td>
<td>8.8</td>
<td>7.8</td>
<td>14.4</td>
</tr>
<tr>
<td>AMRITSAR</td>
<td>5.8</td>
<td>9.5</td>
<td>9.6</td>
<td>13.6</td>
<td>7.0</td>
<td>0.01</td>
<td>27.3</td>
<td>13.9</td>
<td>11.3</td>
<td>9.8</td>
<td>15.5</td>
</tr>
<tr>
<td>Kapurthala</td>
<td>4.0</td>
<td>7.7</td>
<td>4.8</td>
<td>0.0</td>
<td>19.0</td>
<td>0.35</td>
<td>3.9</td>
<td>2.5</td>
<td>4.3</td>
<td>3.5</td>
<td>5.4</td>
</tr>
<tr>
<td>Sangrur</td>
<td>2.7</td>
<td>12.9</td>
<td>14.5</td>
<td>4.1</td>
<td>6.8</td>
<td>0.35</td>
<td>2.9</td>
<td>5.4</td>
<td>6.2</td>
<td>6.9</td>
<td>10.4</td>
</tr>
<tr>
<td>Patiala</td>
<td>7.7</td>
<td>6.4</td>
<td>9.6</td>
<td>5.9</td>
<td>2.9</td>
<td>3.80</td>
<td>4.5</td>
<td>4.7</td>
<td>11.4</td>
<td>7.8</td>
<td>11.5</td>
</tr>
<tr>
<td>Total</td>
<td>56.0</td>
<td>44.0</td>
<td>55.3</td>
<td>32.5</td>
<td>54.8</td>
<td>8.23</td>
<td>54.3</td>
<td>46.6</td>
<td>53.7</td>
<td>46.8</td>
<td>67.0</td>
</tr>
<tr>
<td>Ratio</td>
<td>1.15</td>
<td>0.89</td>
<td>1.44</td>
<td>0.66</td>
<td>1.16</td>
<td>0.16</td>
<td>1.13</td>
<td>0.05</td>
<td>1.11</td>
<td>0.95</td>
<td>1.39</td>
</tr>
<tr>
<td><strong>Sub-montane Region</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gurdaspur</td>
<td>4.7</td>
<td>5.9</td>
<td>12.1</td>
<td>3.1</td>
<td>5.3</td>
<td>7.6</td>
<td>4.7</td>
<td>5.3</td>
<td>7.6</td>
<td>6.9</td>
<td>9.5</td>
</tr>
<tr>
<td>Hoshiarpur</td>
<td>6.9</td>
<td>7.1</td>
<td>4.8</td>
<td>19.2</td>
<td>13.6</td>
<td>63.5</td>
<td>21.7</td>
<td>15.5</td>
<td>8.2</td>
<td>12.3</td>
<td>5.3</td>
</tr>
<tr>
<td>Ropar</td>
<td>11.2</td>
<td>1.2</td>
<td>12.4</td>
<td>0.00</td>
<td>8.2</td>
<td>0.00</td>
<td>3.2</td>
<td>6.4</td>
<td>5.6</td>
<td>7.6</td>
<td>3.3</td>
</tr>
<tr>
<td>Total</td>
<td>22.8</td>
<td>8.8</td>
<td>29.3</td>
<td>22.3</td>
<td>27.1</td>
<td>71.1</td>
<td>29.6</td>
<td>27.2</td>
<td>21.4</td>
<td>26.8</td>
<td>18.1</td>
</tr>
<tr>
<td>Ratio</td>
<td>1.32</td>
<td>0.58</td>
<td>1.95</td>
<td>1.47</td>
<td>1.80</td>
<td>4.6</td>
<td>1.97</td>
<td>1.79</td>
<td>1.42</td>
<td>1.76</td>
<td>1.19</td>
</tr>
<tr>
<td><strong>South-western Region</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ferozepur</td>
<td>13.4</td>
<td>14.5</td>
<td>14.5</td>
<td>14.7</td>
<td>10.4</td>
<td>15.5</td>
<td>-5.6</td>
<td>13.8</td>
<td>4.5</td>
<td>14.4</td>
<td>3.8</td>
</tr>
<tr>
<td>Bathinda</td>
<td>5.3</td>
<td>10.0</td>
<td>00.34</td>
<td>19.8</td>
<td>7.12</td>
<td>4.9</td>
<td>9.1</td>
<td>12.5</td>
<td>10.4</td>
<td>9.9</td>
<td>2.0</td>
</tr>
<tr>
<td>Faridkot</td>
<td>-122.17</td>
<td>-</td>
<td>10.1</td>
<td>-</td>
<td>0.00</td>
<td>-</td>
<td>11.1</td>
<td>-11.2</td>
<td>-</td>
<td>-6.4</td>
<td>5.1</td>
</tr>
<tr>
<td>Total</td>
<td>20.7</td>
<td>46.67</td>
<td>14.39</td>
<td>44.6</td>
<td>17.52</td>
<td>20.4</td>
<td>15.6</td>
<td>25.5</td>
<td>24.2</td>
<td>25.6</td>
<td>14.4</td>
</tr>
<tr>
<td>Ratio</td>
<td>.56</td>
<td>1.28</td>
<td>.39</td>
<td>.48</td>
<td>.39</td>
<td>.48</td>
<td>.70</td>
<td>.70</td>
<td>.66</td>
<td>.39</td>
<td>.45</td>
</tr>
</tbody>
</table>

**Ratio = Region’s per cent share to total of component of plan outlay / Region’s per cent share to total cultivated land.**
### Appendix 6.3

#### Selected Sub-heads of Plan Outlays/Hectare Across the Districts of Central Plain Region

<table>
<thead>
<tr>
<th>Year</th>
<th>Ludhiana</th>
<th>Jullundur</th>
<th>Amritsar</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Agricultural Production</td>
<td>Irrigation</td>
<td>Soil Conservation</td>
</tr>
<tr>
<td>1970-71</td>
<td>1.4</td>
<td>0.1</td>
<td>1.5</td>
</tr>
<tr>
<td>1971-72</td>
<td>1.6</td>
<td>0.1</td>
<td>0.3</td>
</tr>
<tr>
<td>1972-73</td>
<td>4.7</td>
<td>0.1</td>
<td>1.3</td>
</tr>
<tr>
<td>1973-74</td>
<td>5.0</td>
<td>0.2</td>
<td>3.2</td>
</tr>
<tr>
<td>1974-75</td>
<td>6.1</td>
<td>0.2</td>
<td>5.5</td>
</tr>
<tr>
<td>1975-76</td>
<td>5.2</td>
<td>0.1</td>
<td>7.9</td>
</tr>
<tr>
<td>1976-77</td>
<td>6.2</td>
<td>0.03</td>
<td>10.1</td>
</tr>
<tr>
<td>1977-78</td>
<td>7.6</td>
<td>0.70</td>
<td>7.8</td>
</tr>
<tr>
<td>1978-79</td>
<td>9.3</td>
<td>1.50</td>
<td>5.6</td>
</tr>
<tr>
<td>1979-80</td>
<td>10.9</td>
<td>2.3</td>
<td>3.4</td>
</tr>
<tr>
<td>1980-81</td>
<td>12.3</td>
<td>3.0</td>
<td>0.3</td>
</tr>
<tr>
<td>1981-82</td>
<td>10.8</td>
<td>10.7</td>
<td>0.1</td>
</tr>
<tr>
<td>1982-83</td>
<td>10.3</td>
<td>34.9</td>
<td>0.3</td>
</tr>
</tbody>
</table>

P.S.E.B. stands for Punjab State Electricity Board.
### Selected Sub-heads of Plan Outlays/Hectare Across the Districts of the Central Plain Region

<table>
<thead>
<tr>
<th>Year</th>
<th>Kapurthala</th>
<th>Sangrur</th>
<th>Patiala</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Agricultural Production</td>
<td>Soil Conservation</td>
<td>Column 1+2+3</td>
</tr>
<tr>
<td>1970-71</td>
<td>0.100 6.0</td>
<td>11.1</td>
<td>27.0</td>
</tr>
<tr>
<td>1971-72</td>
<td>1.0 3.6</td>
<td>13.3</td>
<td>44.2</td>
</tr>
<tr>
<td>1972-73</td>
<td>8.9 27.0</td>
<td>1.6</td>
<td>61.3</td>
</tr>
<tr>
<td>1973-74</td>
<td>4.4 500 9.6</td>
<td>32.7</td>
<td>106.7</td>
</tr>
<tr>
<td>1974-75</td>
<td>11.6 400 8.0</td>
<td>34.6</td>
<td>111.4</td>
</tr>
<tr>
<td>1975-76</td>
<td>19.2 300 6.5</td>
<td>37.2</td>
<td>116.6</td>
</tr>
<tr>
<td>1976-77</td>
<td>25.4 200 4.7</td>
<td>37.7</td>
<td>116.2</td>
</tr>
<tr>
<td>1977-78</td>
<td>32.4 100 3.2</td>
<td>49.3</td>
<td>139.7</td>
</tr>
<tr>
<td>1978-79</td>
<td>28.4 0.06 1.7</td>
<td>60.0</td>
<td>161.1</td>
</tr>
<tr>
<td>1979-80</td>
<td>45.9 0.06 0.6</td>
<td>71.6</td>
<td>180.5</td>
</tr>
<tr>
<td>1980-81</td>
<td>53.6 0.06 0.3</td>
<td>84.2</td>
<td>211.5</td>
</tr>
<tr>
<td>1981-82</td>
<td>54.5 0.06 0.2</td>
<td>109.6</td>
<td>244.0</td>
</tr>
<tr>
<td>1982-83</td>
<td>49.2 0.06 0.3</td>
<td>83.3</td>
<td>258.0</td>
</tr>
</tbody>
</table>
### Appendix 6.3 (continued)

**Selected Sub-heads of Plan Outlay/hectare Across the Districts of the Sub-montaine Region**

<table>
<thead>
<tr>
<th>Year</th>
<th>Gurdaspur</th>
<th>Hoshiarpur</th>
<th>Ropar</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Agricultural Production</td>
<td>Minor Irrigation</td>
<td>Soil Conservation</td>
</tr>
<tr>
<td>1970-71</td>
<td>0.02</td>
<td>0.01</td>
<td>0.08</td>
</tr>
<tr>
<td>1971-72</td>
<td>1.5</td>
<td>0.10</td>
<td>0.9</td>
</tr>
<tr>
<td>1972-73</td>
<td>2.7</td>
<td>0.10</td>
<td>2.6</td>
</tr>
<tr>
<td>1973-74</td>
<td>8.5</td>
<td>0.20</td>
<td>2.1</td>
</tr>
<tr>
<td>1974-75</td>
<td>8.5</td>
<td>0.10</td>
<td>2.9</td>
</tr>
<tr>
<td>1975-76</td>
<td>8.5</td>
<td>0.10</td>
<td>3.7</td>
</tr>
<tr>
<td>1976-77</td>
<td>8.6</td>
<td>0.05</td>
<td>4.6</td>
</tr>
<tr>
<td>1977-78</td>
<td>11.7</td>
<td>7.60</td>
<td>5.4</td>
</tr>
<tr>
<td>1978-79</td>
<td>14.9</td>
<td>15.31</td>
<td>6.2</td>
</tr>
<tr>
<td>1979-80</td>
<td>14.1</td>
<td>22.90</td>
<td>6.9</td>
</tr>
<tr>
<td>1980-81</td>
<td>21.2</td>
<td>30.6</td>
<td>7.7</td>
</tr>
<tr>
<td>1981-82</td>
<td>25.5</td>
<td>15.0</td>
<td>5.9</td>
</tr>
<tr>
<td>1982-83</td>
<td>21.5</td>
<td>31.9</td>
<td>4.1</td>
</tr>
</tbody>
</table>
Selected Sub-heads of Plan Outlay/Hectare Across the Districts of Southwestern Region

<table>
<thead>
<tr>
<th></th>
<th>Ferozepur</th>
<th>Bhatinda</th>
<th>Faridkot</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Agricultural Production</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1970-71</td>
<td>0.2</td>
<td>0.10</td>
<td>0.61</td>
</tr>
<tr>
<td>1971-72</td>
<td>1.6</td>
<td>0.10</td>
<td>0.62</td>
</tr>
<tr>
<td>1972-73</td>
<td>10.7</td>
<td>0.10</td>
<td>11.0</td>
</tr>
<tr>
<td>1973-74</td>
<td>9.9</td>
<td>0.41</td>
<td>10.3</td>
</tr>
<tr>
<td>1974-75</td>
<td>12.7</td>
<td>0.10</td>
<td>11.0</td>
</tr>
<tr>
<td>1975-76</td>
<td>14.6</td>
<td>0.10</td>
<td>13.0</td>
</tr>
<tr>
<td>1976-77</td>
<td>17.2</td>
<td>0.12</td>
<td>15.7</td>
</tr>
<tr>
<td>1977-78</td>
<td>19.6</td>
<td>13.00</td>
<td>20.9</td>
</tr>
<tr>
<td>1978-79</td>
<td>24.1</td>
<td>26.50</td>
<td>26.3</td>
</tr>
<tr>
<td>1979-80</td>
<td>25.8</td>
<td>31.00</td>
<td>27.0</td>
</tr>
<tr>
<td>1980-81</td>
<td>27.4</td>
<td>33.30</td>
<td>29.0</td>
</tr>
<tr>
<td>1981-82</td>
<td>31.2</td>
<td>33.2</td>
<td>33.0</td>
</tr>
<tr>
<td>1982-83</td>
<td>27.6</td>
<td>77.6</td>
<td>37.0</td>
</tr>
</tbody>
</table>
## Appendix 6.4

### Correlation Coefficients between Number of Tractors and Plan Outlays

(1970-71 to 1982-83)

<table>
<thead>
<tr>
<th>Sub-head 'Districtwise Distribution of Divisible Plan Schemes'</th>
<th>Districts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ludhiana</td>
</tr>
<tr>
<td>1. Agricultural Production</td>
<td>.86*</td>
</tr>
<tr>
<td>2. Minor Irrigation</td>
<td>.75*</td>
</tr>
<tr>
<td>3. Soil Conservation</td>
<td>-.28*</td>
</tr>
<tr>
<td>4. Total of 1+2+3+allied services and cooperatives</td>
<td>.94*</td>
</tr>
<tr>
<td>5. Grand Total</td>
<td>.97*</td>
</tr>
</tbody>
</table>

### Indivisible Plan Schemes

|                                                               | Ludhiana | Jullundur | Kapurthala | Amritsar | Patiala | Sangrur | Gurdaspur | Hoshiarpur | Kapur | Ferozepur | Bhatinda | Faridkot |
| 1. Expenditure through Punjab State Electricity Board         | .93*     | .87*      | .91*       | .97*     | .94*    | .97*    | .96*      | .92*      | .86*   | .93*   | .95*    | .91*     |

* stands for significant at one per cent.
** stands for significant at five per cent.
Correlation Coefficient between Number of Tubewells and Plan Outlays
(1970-71 to 1982-83)

<table>
<thead>
<tr>
<th>Sub-head 'Districtwise Distribution of Divisible Plan Schemes</th>
<th>Districts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ludhiana</td>
</tr>
<tr>
<td>1. Agricultural Production</td>
<td>0.94</td>
</tr>
<tr>
<td>2. Minor Irrigation</td>
<td>0.45</td>
</tr>
<tr>
<td>3. Soil Conservation</td>
<td>0.16</td>
</tr>
<tr>
<td>4. Total of 1+2+3+ allied services &amp; cooperatives</td>
<td>0.69</td>
</tr>
<tr>
<td>5. Grand Total</td>
<td>0.78</td>
</tr>
</tbody>
</table>

| Indivisible Plan Outlay                                        |          |           |           |          |        |        |          |            |        |          |           |        |
| 1. Expenditure through Punjab State Electricity Board on Tubewell Irrigation | 0.69     | 0.76      | 0.73      | 0.74     | 0.80    | 0.69    | 0.81      | 0.65       | 0.69   | 0.77      | 0.63     | 0.77    |

* stands for significant at one per cent
** stands for significant at five per cent.
### Appendix 6.6

**Correlation Coefficients between H.Y.V of Seeds and Plant Outlays**

(1970-71 to 1982-83)

<table>
<thead>
<tr>
<th>Sub-head 'Districtwise Distribution of Divisible Plan Schemes'</th>
<th>Lohian</th>
<th>Jullundur</th>
<th>Kapurthala</th>
<th>Amritsar</th>
<th>Patiala</th>
<th>Sangrur</th>
<th>Gurdaspur</th>
<th>Hoshiarpur</th>
<th>Rupar</th>
<th>Poonch</th>
<th>Bhatinda</th>
<th>Faridkot</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Agricultural Production</td>
<td>.84*</td>
<td>.94*</td>
<td>.94*</td>
<td>.93*</td>
<td>.87*</td>
<td>.90*</td>
<td>.15</td>
<td>.06</td>
<td>.91*</td>
<td>.55**</td>
<td>.75*</td>
<td></td>
</tr>
<tr>
<td>2. Minor Irrigation</td>
<td>.71*</td>
<td>.91*</td>
<td>-20</td>
<td>.90*</td>
<td>.96*</td>
<td>.69*</td>
<td>.89*</td>
<td>.63*</td>
<td>.32</td>
<td>.93*</td>
<td>.91*</td>
<td>.88*</td>
</tr>
<tr>
<td>3. Soil Conservation</td>
<td>-.37</td>
<td>-.63**</td>
<td>-.85*</td>
<td>.33</td>
<td>.44</td>
<td>-.35</td>
<td>.68**</td>
<td>.67*</td>
<td>.50**</td>
<td>-.51**</td>
<td>-.31**</td>
<td>-.96*</td>
</tr>
<tr>
<td>4. Total of 1+2+3+allied services and cooperatives</td>
<td>.93*</td>
<td>.86*</td>
<td>.88*</td>
<td>.96*</td>
<td>.94*</td>
<td>.80*</td>
<td>.94*</td>
<td>.72*</td>
<td>.70*</td>
<td>.97*</td>
<td>.95*</td>
<td>.83*</td>
</tr>
<tr>
<td>5. Grand Total</td>
<td>.94*</td>
<td>.81*</td>
<td>.94*</td>
<td>.94*</td>
<td>.94*</td>
<td>.90*</td>
<td>.75*</td>
<td>.77*</td>
<td>.95*</td>
<td>.91*</td>
<td>.97*</td>
<td></td>
</tr>
<tr>
<td>Individual Plan Outlay</td>
<td>.87*</td>
<td>.77*</td>
<td>.85*</td>
<td>.90*</td>
<td>.89*</td>
<td>.94*</td>
<td>.96*</td>
<td>.76*</td>
<td>.87*</td>
<td>.94*</td>
<td>.84*</td>
<td>.90*</td>
</tr>
</tbody>
</table>

* stands for significant at one per cent.

** stands for significant at five per cent.
### Appendix 6.7

**Correlation Coefficients between Fertilizer Use and Plan Outlays**

*(1970-71 to 1982-83)*

<table>
<thead>
<tr>
<th>Sub-head 'Districtwise Distribution of Divisible Plan Schemes'.</th>
<th>Ludhiana</th>
<th>Jullundur</th>
<th>Kapurthala</th>
<th>Amritsar</th>
<th>Patiala</th>
<th>Sangrur</th>
<th>Gurdaspur</th>
<th>Hoshiarpur</th>
<th>Ropar</th>
<th>Ferozepur</th>
<th>Bhatinda</th>
<th>Faridkot</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Agricultural Production</td>
<td>.72*</td>
<td>.97*</td>
<td>.99*</td>
<td>.76*</td>
<td>.98*</td>
<td>.95*</td>
<td>.93*</td>
<td>.42*</td>
<td>.19*</td>
<td>.96*</td>
<td>.56*</td>
<td>.88**</td>
</tr>
<tr>
<td>2. Minor Irrigation</td>
<td>.55*</td>
<td>.89*</td>
<td>-.26*</td>
<td>.56**</td>
<td>.87*</td>
<td>.69*</td>
<td>.85*</td>
<td>.71*</td>
<td>-.19*</td>
<td>.80*</td>
<td>.91*</td>
<td>.92*</td>
</tr>
<tr>
<td>3. Soil Conservation</td>
<td>-.32*</td>
<td>-.51*</td>
<td>-.79*</td>
<td>.77*</td>
<td>.37*</td>
<td>-.09*</td>
<td>.86*</td>
<td>.96*</td>
<td>.65*</td>
<td>-.42*</td>
<td>-.46*</td>
<td>-.97*</td>
</tr>
<tr>
<td>4. Total of 1+2+3+allied services and cooperatives</td>
<td>.79*</td>
<td>.87*</td>
<td>.89*</td>
<td>.69*</td>
<td>.86*</td>
<td>.84*</td>
<td>.95*</td>
<td>.81*</td>
<td>.80*</td>
<td>.90*</td>
<td>.92*</td>
<td>.91*</td>
</tr>
<tr>
<td>5. Grand Total</td>
<td>.76*</td>
<td>.87*</td>
<td>.97*</td>
<td>.67*</td>
<td>.89*</td>
<td>.95*</td>
<td>.96*</td>
<td>.86*</td>
<td>.79*</td>
<td>.90*</td>
<td>.89*</td>
<td>.97*</td>
</tr>
</tbody>
</table>

**Indivisible Plan Outlay**

| 1. Public Expenditure through Punjab State Electricity Board. | .69* | .82* | .81* | .67* | .88* | .89* | .90* | .83* | .80* | .84* | .91* | .88* |

* stands for significant at one per cent.

** stands for significant at five per cent.
### Districtwise Distribution of Divisible Plan Schemes

<table>
<thead>
<tr>
<th>Sub-head 'Districtwise Distribution of Divisible Plan Schemes'</th>
<th>Districts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ludhiana</td>
</tr>
<tr>
<td>1. Agricultural Production</td>
<td>-.05</td>
</tr>
<tr>
<td>2. Minor Irrigation</td>
<td>.23</td>
</tr>
<tr>
<td>3. Soil Conservation</td>
<td>-.44</td>
</tr>
<tr>
<td>4. Total of 1+2+3+allied services and cooperatives</td>
<td>.21</td>
</tr>
<tr>
<td>5. Grand Total</td>
<td>.10</td>
</tr>
</tbody>
</table>

### Indivisible Plan Scheme

<table>
<thead>
<tr>
<th>Sub-head</th>
<th>Districts</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Expenditure through Punjab State Electricity Board</td>
<td><strong>.59</strong></td>
</tr>
</tbody>
</table>

* stands for significant at one per cent.
** stands for significant at five per cent.
### Appendix 6.9

**Correlation Coefficients between Number of Tubewells and Plan Outlays**

(1970-71 to 1982-83)

<table>
<thead>
<tr>
<th>Sub head 'Districtwise Distribution of Divisible Plan Scheme'</th>
<th>Ludhiana</th>
<th>Jullundur</th>
<th>Amritsar</th>
<th>Kapurthala</th>
<th>Sangrur</th>
<th>Patiala</th>
<th>Gurdaspur</th>
<th>Hoshiarpur</th>
<th>Roopar</th>
<th>Ferozepur</th>
<th>Bhatinda</th>
<th>Faridkot</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Agricultural Production</td>
<td>-.05</td>
<td>-.20</td>
<td>-.21</td>
<td>.03</td>
<td>-.02</td>
<td>-.02</td>
<td>-.005</td>
<td>.56</td>
<td>-.09</td>
<td>-.17</td>
<td>.53</td>
<td>.42</td>
</tr>
<tr>
<td>2. Minor Irrigation</td>
<td>.23</td>
<td>-.55*</td>
<td>-.29</td>
<td>.66**</td>
<td>.06</td>
<td>-.23</td>
<td>-.13</td>
<td>-.24</td>
<td>-.02</td>
<td>-.22</td>
<td>-.25</td>
<td>-.23</td>
</tr>
<tr>
<td>3. Soil Conservation</td>
<td>-.44</td>
<td>.56*</td>
<td>-.42</td>
<td>.94*</td>
<td>.42</td>
<td>.25</td>
<td>.28</td>
<td>.05</td>
<td>-.03</td>
<td>-.33</td>
<td>.34</td>
<td>.44</td>
</tr>
<tr>
<td>4. Total of 1:2:3+Allied Services and co-operatives</td>
<td>.21</td>
<td>-.38</td>
<td>-.19</td>
<td>.49</td>
<td>.01</td>
<td>-.35</td>
<td>-.04</td>
<td>-.21</td>
<td>-.14</td>
<td>-.48*</td>
<td>-.06</td>
<td>-.01</td>
</tr>
<tr>
<td>5. Grand total</td>
<td>.10</td>
<td>-.06</td>
<td>-.21</td>
<td>.40</td>
<td>.05</td>
<td>-.68*</td>
<td>-.06</td>
<td>-.14</td>
<td>-.19</td>
<td>-.55*</td>
<td>.01</td>
<td>-.36</td>
</tr>
</tbody>
</table>

**Indivisible Plan Outlay**

<table>
<thead>
<tr>
<th>Expenditure through Punjab State Electricity Board</th>
<th>.59*</th>
<th>-.02</th>
<th>-.21</th>
<th>-.07</th>
<th>-.34</th>
<th>-.04</th>
<th>-.07</th>
<th>-.24</th>
<th>.18</th>
<th>-.30</th>
<th>-.20</th>
<th>-.004</th>
</tr>
</thead>
</table>

* stands for significant at one per cent.

** stands for significant at five per cent.
### Appendix 6.10

**Correlation Coefficients between Area under H.Y.V. Seeds and Plan Outlay**

*(1970-71 to 1982-83)*

<table>
<thead>
<tr>
<th>Sub-head 'Districtwise Distribution of Divisible Plan Scheme'</th>
<th>Districts</th>
<th>Ludhiana</th>
<th>Jullundur</th>
<th>Amritsar</th>
<th>Kapurthala</th>
<th>Sangrur</th>
<th>Patiala</th>
<th>Gurdaspur</th>
<th>Hoshiarpur</th>
<th>Ropar</th>
<th>Ferozepur</th>
<th>Bhatinda</th>
<th>Faridkot</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Agricultural Production</td>
<td></td>
<td>-.04</td>
<td>.25</td>
<td>.11</td>
<td>.07</td>
<td>-.38</td>
<td>.18</td>
<td>-.06</td>
<td>-.41</td>
<td>-.36</td>
<td>-.36</td>
<td>-.06</td>
<td>-.43</td>
</tr>
<tr>
<td>2. Minor Irrigation</td>
<td></td>
<td>.24</td>
<td>.13</td>
<td>.12</td>
<td>.27</td>
<td>.04</td>
<td>.47</td>
<td>-.13</td>
<td>.07</td>
<td>-.53*</td>
<td>.22</td>
<td>.20</td>
<td>-.17</td>
</tr>
<tr>
<td>3. Soil Conservation</td>
<td></td>
<td>-.26</td>
<td>-.02</td>
<td>-.07</td>
<td>-.14</td>
<td>-.34</td>
<td>.32</td>
<td>-.42</td>
<td>-.08</td>
<td>-.68*</td>
<td>-.30</td>
<td>.34</td>
<td>-.11</td>
</tr>
<tr>
<td>4. Total of 1:2:3*Allied Services and cooperatives</td>
<td></td>
<td>.48**</td>
<td>.01</td>
<td>.34</td>
<td>.09</td>
<td>.07</td>
<td>.28</td>
<td>-.04</td>
<td>.09</td>
<td>-.21</td>
<td>.14</td>
<td>.01</td>
<td>-.35</td>
</tr>
<tr>
<td>5. Grand Total</td>
<td></td>
<td>.22</td>
<td>-.20</td>
<td>.10</td>
<td>.04</td>
<td>.23</td>
<td>.30</td>
<td>.10</td>
<td>.06</td>
<td>.15</td>
<td>.40</td>
<td>.12</td>
<td>.36</td>
</tr>
<tr>
<td>Indivisible Plan Outlay</td>
<td></td>
<td>-.01</td>
<td>-.32</td>
<td>.11</td>
<td>-.25</td>
<td>.37</td>
<td>-.05</td>
<td>.44</td>
<td>-.13</td>
<td>.52*</td>
<td>.15</td>
<td>-.07</td>
<td>.10</td>
</tr>
</tbody>
</table>

* stands for significant at one per cent  
** stands for significant at five per cent.
### Appendix 6.11

**Correlation Coefficient between use of Chemical Fertilizers and Plan Outlay**  
(1970-71 to 1982-83)

<table>
<thead>
<tr>
<th>Sub-head 'Districtwise Distribution of Divisible Plan Scheme'</th>
<th>Districts</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ludhiana</td>
<td>Jullundur</td>
<td>Amritsar</td>
<td>Kapurthala</td>
<td>Sangrur</td>
<td>Patiala</td>
<td>Gurdaspur</td>
<td>Hoshiarpur</td>
<td>Ropar</td>
<td>Ferozepur</td>
<td>Bhatinda</td>
<td>Faridkot</td>
</tr>
<tr>
<td>1. Agricultural Production</td>
<td>.27</td>
<td>.16</td>
<td>-.36</td>
<td>.08</td>
<td>-.15</td>
<td>-.19</td>
<td>-.26</td>
<td>.15</td>
<td>-.52</td>
<td>-.41</td>
<td>-.18</td>
<td>-.06</td>
</tr>
<tr>
<td>2. Minor Irrigation</td>
<td>.02</td>
<td>.05</td>
<td>-.04</td>
<td>-.11</td>
<td>-.15</td>
<td>-.27</td>
<td>-.04</td>
<td>.53*</td>
<td>-.38</td>
<td>-.05</td>
<td>.35</td>
<td>.09</td>
</tr>
<tr>
<td>(2.99)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2.08)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Soil Conservation</td>
<td>-.08</td>
<td>.31</td>
<td>.67</td>
<td>-.13</td>
<td>.20</td>
<td>-.22</td>
<td>-.12</td>
<td>.20</td>
<td>-.12</td>
<td>-.42</td>
<td>-.35</td>
<td>-.09</td>
</tr>
<tr>
<td>4. Total of 1+2+3+Allied services &amp; cooperatives</td>
<td>.40</td>
<td>-.12</td>
<td>-.40</td>
<td>.03</td>
<td>-.11</td>
<td>.19</td>
<td>-.07</td>
<td>.53*</td>
<td>-.22</td>
<td>-.22</td>
<td>.09</td>
<td>.05</td>
</tr>
<tr>
<td>(2.08)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Grand Total</td>
<td>.06</td>
<td>-.30</td>
<td>-.87*</td>
<td>.43</td>
<td>-.03</td>
<td>.30</td>
<td>.28</td>
<td>.55*</td>
<td>-.31</td>
<td>.01</td>
<td>.06</td>
<td>.08</td>
</tr>
<tr>
<td>(5.75)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2.19)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Indivisible Plan Outlay**

| Expenditure through Punjab State Electricity Board | .01       | -.20      | -.50**   | -.12     | .18     | -.31    | .05     | .03       | -.34   | .04       | .32       | -.08      |
| (1.92)                                                      |           |           |          |            |         |         |         |           |        |           |           |           |

* stands for significant at one per cent  
** stands for significant at five per cent.