ECONOMIC ANALYSIS TRADITIONAL BRICK INDUSTRY IN MADURAI DISTRICT, TAMIL NADU

INTERVIEW SCHEDULE

I. GENERAL PARTICULARS

1. Name of the respondent
2. Sex: Male/Female
4. Caste
5. Religion: Hindu/Muslim/Christian
6. Age: At the time of establishment
   - Brick Unit
   - Present Age of the Brick Unit
7. Educational Status
8. Marital Status: Married/Unmarried
9. Type of family: Joint Family / Nuclear family
10. Number of members

II. INDUSTRIES PARTICULARS

11. Location of the Unit
12. Year of Establishment
13. Type of ownership: Proprietorship/Partnership
14. Have you obtained licence?: Yes/No
15. Have you Registered with DIC?: Yes/No
16. Does your unit come under the Indian factories Act 1948?: Yes/No
17. Are you a member of Brick Producers Association?: Yes/No
HI. OCCUPATIONAL HISTORY OF OWNERS

18. State whether you have previous experience in brick unit? Yes/No

19. Who has motivated to start the brick unit?
   a) Friends
   b) Family Members
   c) Government Officials
   d) Self interest
   e) Others

20. What is the purpose for starting the brick unit?
   a) To provide employment to others
   b) Self Employment
   c) Earn more income
   d) Other reasons

21. Did you face any problem at the time of starting the brick unit? Yes/No
   If yes, Give details
   a)
   b)
   c)
   d)

22. How do you over come these problems?
   i)
   ii)
   iii)

23. Have you changed the location of the chamber from the time of its inception
   Yes/No If yes : How many times?

24. Give reason for the change of location?
   i) Expansion of town or city
   ii) Shortage of mud, clay, soil
   iii) Building contractor moves from place to place
   iv) Proximity to product market

25. What are all the problem in enlarging the unit size.
   a) Labour
   b) Clay shortage
   c) Inadequate capital
   d) Water
   e) Market constrains
   f) Others
### 26. Unit particulars

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>Size of a unit</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Number of firing in a year</strong></td>
<td></td>
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<tr>
<td><strong>Number of days required for one firing</strong></td>
<td></td>
</tr>
</tbody>
</table>

### IV. ASSET STRUCTURE OF THE BRICK UNIT

#### 27. Assets : Compound of Fixed Items

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Items</th>
<th>Quantity</th>
<th>Year Purchase</th>
<th>Value of the time of purchase Rs.</th>
<th>Life span</th>
<th>Present Market value</th>
<th>Rent paid Rs.</th>
<th>Own land / lease land</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Land</td>
<td></td>
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<td></td>
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<tr>
<td>2.</td>
<td>Building</td>
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<td></td>
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</tr>
<tr>
<td></td>
<td>a) In the Kiln Yard</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>b) In the sides office</td>
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<td>3.</td>
<td>Thatched sheds</td>
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<td>4.</td>
<td>Well and Pumbset</td>
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<td>5.</td>
<td>Other Transport Vehicles</td>
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<tr>
<td>6.</td>
<td>Telephone</td>
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<td>7.</td>
<td>Sales Office</td>
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</tr>
<tr>
<td>8.</td>
<td>Construction of kiln</td>
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<tr>
<td>9.</td>
<td>Chemney, Staywire and Rails</td>
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<td>10.</td>
<td>Shovels</td>
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<td>11.</td>
<td>Water vessels</td>
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<tr>
<td>12.</td>
<td>Baskets</td>
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<tr>
<td>13.</td>
<td>Moulding Frames</td>
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<td>14.</td>
<td>Mud Litters</td>
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<td>15.</td>
<td>Polyphone Paper/Palm Leaves/ Tarpaulin</td>
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<td>16.</td>
<td>Crowbar</td>
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<td>17.</td>
<td>Iron Plates</td>
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<tr>
<td>18.</td>
<td>Tube lights in the kiln yard</td>
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<tr>
<td>19.</td>
<td>Furniture and Fixures</td>
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<tr>
<td></td>
<td>a) Kiln Yard</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td></td>
<td>b) Sales Office</td>
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<tr>
<td>20.</td>
<td>Water tubs</td>
<td></td>
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<tr>
<td>21.</td>
<td>Knives</td>
<td></td>
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</tr>
<tr>
<td>22.</td>
<td>Raw materials</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>23.</td>
<td>Raw materials and process</td>
<td></td>
<td></td>
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<tr>
<td>24.</td>
<td>Stocks of Furnished goods</td>
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<tr>
<td>25.</td>
<td>Stock in hand</td>
<td></td>
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<tr>
<td>26.</td>
<td>Amount realisable</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>27.</td>
<td>Other</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>
28. Possession of lorry and tractor particulars

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>No. of Lorries</th>
<th>Average Kms.</th>
<th>Travel Per Day</th>
<th>Diesel/Petrol</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

29. Do you feel that your land is adequate to increase production?

30. Whether the capital is own? Or borrowed? Or both? Give Details

31. Source of own capital

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Sources</th>
<th>Amount</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Own Savings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Deposal of some other assets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Leasing out some other assets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Ancestor's Recovery's Income</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

32. Source of Borrowed Capital

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Source</th>
<th>Amount</th>
<th>Rate of Interest</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Nationalized Banks</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>TIIC (Tamil Nadu Industrial Investment Corporation)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Friends and relatives</td>
<td></td>
<td></td>
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<tr>
<td>4.</td>
<td>Cooperative Banks</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>5.</td>
<td>Brick Traders</td>
<td></td>
<td></td>
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<tr>
<td>6.</td>
<td>Building Contractors</td>
<td></td>
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<tr>
<td>7.</td>
<td>Private Finance Companies</td>
<td></td>
<td></td>
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<tr>
<td>8.</td>
<td>Others</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
### 33. Material Management

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Raw materials</th>
<th>Quantity</th>
<th>Rate per unit</th>
<th>Cost</th>
<th>Cost of transportation per load</th>
<th>Source of raw materials inside/outside/private/public</th>
<th>Distance between kiln and source of raw material in (kms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Clay</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Soil</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>3</td>
<td>Sand</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Fire wood / Cashew nut shell / Coconut shell / Cow dung cake</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Coal</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Electricity</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Any others</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

### 34. Method of procurement of raw materials.

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Raw materials</th>
<th>Where do you purchase Raw materials</th>
<th>Supplier Details</th>
<th>Whether the raw materials in door delivered</th>
<th>Cash payment or credit</th>
<th>Is there any seasonal variation in price Yes / No</th>
<th>Always purchased from same dealers Yes / No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Clay</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>2</td>
<td>Soil</td>
<td></td>
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<tr>
<td>3</td>
<td>Sand</td>
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<td></td>
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<tr>
<td>4</td>
<td>Fire wood</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>5</td>
<td>Cashew nut shell</td>
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<tr>
<td>6</td>
<td>Coal</td>
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<td></td>
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<td></td>
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<tr>
<td>7</td>
<td>Diesel</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>8</td>
<td>Electricity</td>
<td>(Water pumping, lighting purpose)</td>
<td></td>
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<tr>
<td>9</td>
<td>Kerosene</td>
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<tr>
<td>10</td>
<td>Any other</td>
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</tbody>
</table>

### 35. How many times the brick unit fired per year?
36. What proportion the raw materials are mixed?

37. Do you have any problem to preserve the raw materials?
   If yes, Specify the methods to solve the problems

39. Do you face any problems related to raw materials?
   If Yes, Which raw material? Mud - Fuel - Water

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Problems related to</th>
<th>Mud</th>
<th>Fuel</th>
<th>Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Availability</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Quality</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>3.</td>
<td>Transport</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Any other</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

40. How do you over come these problems?

41. Why you have not moved to the places where the raw materials are available?

42. How many varieties of brick are produced?
   a. Size - I -
   b. Size - II -

V. PRODUCTION MANAGEMENT

43. Normally how many days are required to convert moulded green brick in to dry brick?

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Land</th>
<th>No. of days required during</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Winter Season</td>
</tr>
<tr>
<td>1.</td>
<td>Mud Floor</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Cement Floor</td>
<td></td>
</tr>
</tbody>
</table>

44. Before filling the brick for firing, do you have any post finishing work?
45. How many days do you need to prepare the bricks for one firing?

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Process</th>
<th>Days</th>
<th>Labour</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Digging the soil</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Stirring the soil</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Moulding the brick</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Drying the brick</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Arranging the dry brick</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>Storing the dry brick</td>
<td></td>
<td></td>
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<tr>
<td>7.</td>
<td>Arranging the brick in the kiln</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>Firing the bricks</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>Take away the bricks from kiln</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

46. What is the total production of your brick unit? In a year?

47. What is the reason for the raw bricks becoming waste? Mention the reason for the wastage and percentage of wastage?

48. How many times will you change mould in a year? and specify size of the mould?

VI. MECHANISATION MANAGEMENT

49. Do you use any machinery? in any of the process? Yes/No
   If No. Give reasons.

50. Do you seen mechanized process any where in Tamil Nadu?

VII. PARTICULARS OF OUTPUT

51. No. of brick produced in one firing?

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Type of Bricks</th>
<th>Quantity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>First class bricks</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Second class bricks</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Damaged bricks</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

52. When do you stop production? Give reasons?

53. If your production continues, how do you manage during the rainy season?
54. Are you able to supply brick to meet the demand? Yes / No.

   If yes: How?
   If No: Why Give reasons.

VII. LABOUR MANAGEMENT

55. Number of workers required for one firing?

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Category</th>
<th>Number of teams or persons involved</th>
<th>Duration of their work (days)</th>
<th>Male</th>
<th>Female</th>
<th>Children</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Digging the ground and preparing the mud</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Moulding</td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>3.</td>
<td>Stacking</td>
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<tr>
<td>4.</td>
<td>Carrying to the kiln</td>
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<tr>
<td>5.</td>
<td>Piling in the kiln</td>
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<td></td>
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</tr>
<tr>
<td>6.</td>
<td>Firing</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>Load men</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>a) Raw materials carried by lorry/tractor</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>b) Final products carried by lorry/tractor</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>Others</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

56. Method of recruitment of labourer.

   i) Make visit to kiln labour villages and persuade them Yes / No
   ii) Amount of advance payment Yes / No
   iii) Travelling allowance paid for the labourers/or owners vehicles used to collect the labours Yes / No
   vi) Incentives provided for labourers Yes / No
      a) Accommodation
      b) Fuel
      c) Festival bonus
      d) Others

57. Whether do you prefer local labourers or migrant labourers?

58. If Migrant labourers, what are the reasons.
59. Specify:
   a) Number of migrant labour in the unit
   b) Number of Local labour in the unit

60. Employees in the unit

<table>
<thead>
<tr>
<th>Si. No.</th>
<th>Category</th>
<th>Number</th>
<th>Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Driver</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Administrative Staff</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

IX. WAGES AND SALARY

61. Wages and Salary

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Category</th>
<th>wage per 1000 bricks</th>
<th>wage per day / per month</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Digging the ground</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Moulding</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Stocking</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Carrying to the Kiln</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Firing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Load Man</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a</td>
<td>For raw material carried by lorries</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b</td>
<td>Employees</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a</td>
<td>For final product carried by lorries</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Employers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b</td>
<td>Employees</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a</td>
<td>Drivers</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

62. Do you consider the years of experience of workers while fixing the wages?

63. When the wage is disbursed to the workers.

64. How much do you deduct towards the advance payment in every week or month?

65. Are you implementing labour welfare measures?

   If yes: Specify
   If No: Why

66. Do your the labourers have their association? Yes / No
67. Do you give loan while they go back to their village at the end of the production season? Yes / No

68. Do you face the problem of labour shortage? Yes / No

69. If yes: How do you manage this problem?
   a. Labour contract  b. By making labour
   c. by providing free accommodation to labourers  d. others

70. What you will do when some labourers leave you kiln at the time of busy season?

71. Specify any other problems faced related to labour management?

X. ENERGY MANAGEMENT

72. Is there any electricity connection to your brick unit? Yes/ No

   If yes: a. State the total unit of electricity consumption per month.
          b. Number of units used for production purpose / non production purpose

73. Do you buy firewood according to the needs? Or do you keep stock? Explain:

74. Are you use any fuel other than fire wood?

75. How many times you have to heat the bricks after arranging bricks in a unit?

76. How do you know whether the brick is burnt, unburnt?

77. Do you have any facility to preserve the firewood?

XI. ENVIRONMENTAL MANAGEMENT

78. Do you know the impact of brick smoking? Yes / No
   If yes: what way?

79. Do you know the impact of taking the fertile soil? Yes / No
   If yes, specify
80. What purpose the land is used after taking the soil?
   1.
   2.
   3.

**XII. RISK MANAGEMENT**

81. Due to rain and other reasons moulded green bricks damage of who will incur the damage cost?

**XIII. MARKETING MANAGEMENT**

82. How do you fix the price for 1000 bricks.
   
   i. Going rate price
   ii. Cost of production price
   iii. Based on demand
   iv. Based on the season
   v. Other

83. Is there any competition? Yes / No

84. Do you undertake sales promotional activities in any other form?

85. Do you face any difficulty in marketing of your bricks?

86. Nature of the customers and the purpose for which the bricks is used?

<table>
<thead>
<tr>
<th>Number of the customers</th>
<th>Category</th>
<th>Quantity</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rich</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Middle</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Poor</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Government</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Others</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

87. Do you allow Bargaining? Yes / No

88. Do you offer any concession in price for the regular customers?
    Yes/No

89. Where do you sell your bricks? Give name of the selling centre/towns
    a.  b.
    c.  d.
    e.  f.

90. Will your son or any of our family members continue in this business?
    Yes / No.
### 1 GEOGRAPHICAL POSITION
North Latitude Between 9°30'00 and 10°30'00
East Longitude Between 77°28'00 and 78°28'00

### 2 AREA AND POPULATION

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>i. Area in Square km.</td>
<td>3741.73</td>
</tr>
<tr>
<td>ii. Population (2001 census)</td>
<td>2562279</td>
</tr>
<tr>
<td>(a) Males</td>
<td>1295124</td>
</tr>
<tr>
<td>(b) Females</td>
<td>1267155</td>
</tr>
<tr>
<td>(c) Rural</td>
<td>1129028</td>
</tr>
<tr>
<td>(d) Urban</td>
<td>1433251</td>
</tr>
<tr>
<td>iii. Density/ sq.km.</td>
<td>685</td>
</tr>
<tr>
<td>iv. Literates</td>
<td>1795751</td>
</tr>
<tr>
<td>v. Main workers (2001 census)</td>
<td></td>
</tr>
<tr>
<td>a. Total workers</td>
<td>1081686</td>
</tr>
<tr>
<td>b. Male workers</td>
<td>737871</td>
</tr>
<tr>
<td>c. Female workers</td>
<td>343815</td>
</tr>
<tr>
<td>d. Rural workers</td>
<td>579407</td>
</tr>
<tr>
<td>e. Urban workers</td>
<td>502279</td>
</tr>
<tr>
<td>f. Cultivators (1991 census)</td>
<td>125892</td>
</tr>
<tr>
<td>g. Agricultural labourers (1991 census)</td>
<td>332249</td>
</tr>
<tr>
<td>h. Household Industry (1991 census)</td>
<td>36774</td>
</tr>
<tr>
<td>i. Other workers</td>
<td>586771</td>
</tr>
<tr>
<td>j. Marginal workers (2001 census)</td>
<td>134644</td>
</tr>
<tr>
<td>vi. Non-workers</td>
<td>1480593</td>
</tr>
<tr>
<td>vii. Language spoken in the District</td>
<td>Tamil, Telugu, Sourastra, English, Hindi</td>
</tr>
</tbody>
</table>

### 3 VITAL STATISTICS

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Births</td>
<td>48939</td>
</tr>
<tr>
<td>Deaths</td>
<td>18192</td>
</tr>
<tr>
<td>Infant Deaths (Rural)</td>
<td>1156</td>
</tr>
<tr>
<td>Birth Rate (per 1000 population^ 999(SRS)*)</td>
<td></td>
</tr>
<tr>
<td>(a) Rural</td>
<td>19.4</td>
</tr>
<tr>
<td>(b) Urban</td>
<td>18.4</td>
</tr>
<tr>
<td>(c) Combined</td>
<td>19.1</td>
</tr>
<tr>
<td>Death Rate (per 1000 population)</td>
<td></td>
</tr>
<tr>
<td>(a) Rural</td>
<td>7.2</td>
</tr>
<tr>
<td>(b) Urban</td>
<td>6.9</td>
</tr>
<tr>
<td>(c) Combined</td>
<td>7.1</td>
</tr>
<tr>
<td>Infant Mortality Rate (per 1000 live births)</td>
<td></td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>(a) Rural</td>
<td>36.4</td>
</tr>
<tr>
<td>(b) Urban</td>
<td>N.A.</td>
</tr>
<tr>
<td>(c) Combined</td>
<td>N.A.</td>
</tr>
<tr>
<td>Expectation of life at birth</td>
<td></td>
</tr>
<tr>
<td>(a) Male</td>
<td>64.85</td>
</tr>
<tr>
<td>(b) Female</td>
<td>65.20</td>
</tr>
</tbody>
</table>

### 4 TEMPERATURE (IN CELSIUS)

<table>
<thead>
<tr>
<th>a) Plains</th>
</tr>
</thead>
<tbody>
<tr>
<td>i) Maximum</td>
</tr>
<tr>
<td>ii) Minimum</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>b) Hill stations</th>
</tr>
</thead>
<tbody>
<tr>
<td>i) Maximum</td>
</tr>
<tr>
<td>ii) Minimum</td>
</tr>
</tbody>
</table>

### 5 RAINFALL (in mm)

<table>
<thead>
<tr>
<th>a. Normal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1129028</td>
</tr>
</tbody>
</table>

| 1. North East Monsoon | 399.3 |
| 2. South West Monsoon | 282.1 |

<table>
<thead>
<tr>
<th>b. Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>418.53</td>
</tr>
</tbody>
</table>

| 1. North East Monsoon | 208.38 |
| 2. South West Monsoon |      |

### AGRICULTURE (In Hec)

<table>
<thead>
<tr>
<th>a. Total Cultivated area</th>
</tr>
</thead>
<tbody>
<tr>
<td>123929</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>b. Net area sown</th>
</tr>
</thead>
<tbody>
<tr>
<td>121897</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>c. Area sown more than once</th>
</tr>
</thead>
<tbody>
<tr>
<td>2032</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>d. Area &amp; Production of principal crops</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area in Hec Productions in tonnes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1. Paddy</th>
<th>43959</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>185331</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2. Millets and other cereals</th>
<th>17734</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>20219</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3. Pulses</th>
<th>10157</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4423</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4. Sugarcane (Gur)</th>
<th>5639</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>863534</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5. Groundnut</th>
<th>4639</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>7689</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6. Gingelly</th>
<th>1048</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>443</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7. Cotton (BL)</th>
<th>9505</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1987</td>
</tr>
</tbody>
</table>

### E. Agricultural Land Holdings

<table>
<thead>
<tr>
<th>1. Holdings Nos</th>
<th>303195</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>2. Area in Hec</th>
<th>205636.13</th>
</tr>
</thead>
</table>

| 3. Average size of holdings in Hec | 0.678 |
4. Important Food crops | Paddy, Cholam, Ragi
5. Important Non Food crops | Cotton, Gingelly, Groundnut, Coconut

7 IRRIGATION
a. Net area irrigated by (in Hec)
   1. Government canals | 20547
   2. Private canals
   3. Tanks | 13616
   4. Tubewells | 285
   5. Other wells | 33912
   6. Other sources | 5
Total Net area irrigated | 68365

b. Gross area irrigated | 69690
c. Name of the River | Vaigai
d. Name of the Lake |

8 ANIMAL HUSBANDRY
1. Veterinary Institutions
   a. Veterinary Hospitals | 4
   b. Veterinary Dispensaries | 27
   c. Clinical Centres |

2. Poultry Development
   a. Chicks produced in hatcheries |
   b. Birds sold for breeding (lakhs) |
   c. Birds sold for food (lakhs) |

3. Livestock and Poultry population
   a. Cattle | 248245
   b. Buffalo | 69879
   c. Sheep | 154932
   d. Goat | 177556
   e. Poultry | 637543

9 DAIRY DEVELOPMENT
a. Dairies | 1
b. Milk Chilling Plants | 1
c. No. of Milk Co-Operative societies | 375
d. Milk production (lakh litres) | 237.25
   - Flush season | 82000
   - Lean season | 6000

10 FISHERIES
   1. Length of coast line in km |
   2. No. Of coast Blocks |
   3. Marine Fish Production in tonnes |
   4. Inland Fish Production in tonnes | 9.106

11 FOREST
1. Forest Area (hec) | 50452
   a. Reserved Forests | 42049
   b. Reserve Lands | 4664
   c. Unclassified forests | 3739
<table>
<thead>
<tr>
<th>2. Out turn of forest product (in tonnes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Timber</td>
</tr>
<tr>
<td>b. Fuel wood</td>
</tr>
<tr>
<td>c. Pulp wood</td>
</tr>
<tr>
<td>d. Sandal wood</td>
</tr>
<tr>
<td>e. Rubber</td>
</tr>
<tr>
<td>f. Bamboo</td>
</tr>
<tr>
<td>g. Teagreen leaves</td>
</tr>
<tr>
<td>h. Wattle bark</td>
</tr>
<tr>
<td>i. Cashewnuts</td>
</tr>
</tbody>
</table>

*SRS - Sample Registration System*

<table>
<thead>
<tr>
<th>12 ELECTRICITY (IN M.U.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Generation of Electricity</td>
</tr>
<tr>
<td>a. Hydro</td>
</tr>
<tr>
<td>b. Wind Mill Generation</td>
</tr>
<tr>
<td>c. Thermal</td>
</tr>
<tr>
<td>d. Power purchased</td>
</tr>
<tr>
<td>e. Gas Turbine</td>
</tr>
<tr>
<td>2. Consumption of Electricity (in M.U.)</td>
</tr>
<tr>
<td>a. Agriculture</td>
</tr>
<tr>
<td>b. Industry 307.90</td>
</tr>
<tr>
<td>c. Commercial 65.59</td>
</tr>
<tr>
<td>d. Domestic 283.24</td>
</tr>
<tr>
<td>e. Public Lighting 25.72</td>
</tr>
<tr>
<td>f. Sales to Licencees</td>
</tr>
<tr>
<td>g. Sales to other States</td>
</tr>
<tr>
<td>h. Miscellaneous 11.67</td>
</tr>
</tbody>
</table>

3. Rural Electrification
   a. Number of pumpsets 30553
   b. No of villages electrified 431 (100%)
   c. No. of Hamlets electrified 1234 (100%)

<table>
<thead>
<tr>
<th>13 INDUSTRIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. No. of working factories (Reg) 1306</td>
</tr>
<tr>
<td>2. No. of Mandays worked (Lakhs) 101.5</td>
</tr>
<tr>
<td>3. No of Trade Unions 32</td>
</tr>
<tr>
<td>4. No of strikes 6</td>
</tr>
<tr>
<td>5. No of lockouts 4</td>
</tr>
<tr>
<td>6. Large scale Industries 37</td>
</tr>
<tr>
<td>7. Medium scale Industries 548</td>
</tr>
<tr>
<td>8. Small scale industries 700</td>
</tr>
<tr>
<td>9. Cottage industries 21</td>
</tr>
<tr>
<td>10. Name of the important industries Textiles, Toys, Matches, Software</td>
</tr>
<tr>
<td>11. Name of the Industrial Park</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14 KHADI AND VILLAGE INDUSTRIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Khadi Production (value in lakhs)</td>
</tr>
<tr>
<td>Sales</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th></th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Cotton</td>
<td>2.42</td>
</tr>
<tr>
<td>b. Woolen</td>
<td></td>
</tr>
<tr>
<td>c. Silk</td>
<td></td>
</tr>
<tr>
<td>d. Polyester</td>
<td>1.42</td>
</tr>
<tr>
<td>2. Village Industries</td>
<td>3.42</td>
</tr>
<tr>
<td>Total 1+2</td>
<td>7.26</td>
</tr>
</tbody>
</table>

**15 MEDICAL AND HEALTH (NUMBER)**

<table>
<thead>
<tr>
<th>I. Modern Medicine - Allopathy</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Hospitals</td>
<td>8</td>
</tr>
<tr>
<td>b. Dispensaries</td>
<td>19</td>
</tr>
<tr>
<td>c. Primary Health Centres</td>
<td>42</td>
</tr>
<tr>
<td>d. Health sub centres</td>
<td>314</td>
</tr>
<tr>
<td>e. Other Medical Institutions</td>
<td>19</td>
</tr>
<tr>
<td>f. Beds in Hospitals and Dispensaries</td>
<td>2579</td>
</tr>
<tr>
<td>g. Doctors</td>
<td>363</td>
</tr>
<tr>
<td>h. Nurses</td>
<td>1043</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2. Indian Medicine (Siddha and Ayurveda)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Hospitals</td>
<td>4</td>
</tr>
<tr>
<td>b. Dispensaries</td>
<td>10</td>
</tr>
<tr>
<td>c. Primary Health Centres</td>
<td>12</td>
</tr>
<tr>
<td>d. Beds in Hospitals and Dispensaries</td>
<td>4</td>
</tr>
<tr>
<td>e. Doctors</td>
<td>26</td>
</tr>
<tr>
<td>f. Nurses</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3. Homeopathy</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Hospitals</td>
<td>1</td>
</tr>
<tr>
<td>b. Dispensaries</td>
<td></td>
</tr>
<tr>
<td>c. Beds in Hospitals and Dispensaries</td>
<td>25</td>
</tr>
<tr>
<td>d. Doctors</td>
<td>19</td>
</tr>
<tr>
<td>e. Nurses</td>
<td>4</td>
</tr>
</tbody>
</table>

**16 EDUCATION**

<p>| 1. Universities                          | 1     |
| 2. Arts and Science Colleges             | 33    |
| 3. Medical Colleges (Govt.)              |       |
| a. Allopathy                              | 1     |
| b. Indian Medicine                       |       |
| c. Homeopathy                            | 1     |
| 4. Engineering Colleges                  | 5     |
| 5. Agriculture Colleges                  | 1     |
| 6. Veterinary Colleges                   |       |
| 7. Law colleges                          | 1     |
| 8. Colleges for special education        | 3     |
| 9. Pre primary schools                   |       |
| 10. Primary schools                      | 1034  |
| 11. Middle schools                       | 218   |</p>
<table>
<thead>
<tr>
<th>12. High schools</th>
<th>94</th>
</tr>
</thead>
<tbody>
<tr>
<td>13. Higher Secondary Schools</td>
<td>109</td>
</tr>
<tr>
<td>14. Teacher Training Institute</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>17 TRANSPORT</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Road Length (in km)</td>
<td></td>
</tr>
<tr>
<td>a. National Highways</td>
<td>145</td>
</tr>
<tr>
<td>b. State Highways</td>
<td>114</td>
</tr>
<tr>
<td>c. Corporation and Municipal Roads</td>
<td>364</td>
</tr>
<tr>
<td>d. Town Panchayats / Panchayat Unions</td>
<td>1349</td>
</tr>
<tr>
<td>e. Others (forest roads)</td>
<td>-</td>
</tr>
<tr>
<td>2. Registered Motor Vehicles</td>
<td></td>
</tr>
<tr>
<td>a. Commercial</td>
<td>9503</td>
</tr>
<tr>
<td>b. Non commercial</td>
<td>57339</td>
</tr>
<tr>
<td>3. Railway length (in km)</td>
<td></td>
</tr>
<tr>
<td>a. Route length</td>
<td></td>
</tr>
<tr>
<td>i. Broad Gauge</td>
<td>62.95</td>
</tr>
<tr>
<td>ii. Metre Gauge</td>
<td>81.59</td>
</tr>
<tr>
<td>b. Track Length i. Broad length</td>
<td>79.58</td>
</tr>
<tr>
<td>ii. Metre Gauge</td>
<td>90.74</td>
</tr>
<tr>
<td>c. No of Railway stations</td>
<td>11</td>
</tr>
<tr>
<td>4. No of sea ports</td>
<td>-</td>
</tr>
<tr>
<td>5. No of Air ports</td>
<td>1</td>
</tr>
<tr>
<td>6. Name of the sea port</td>
<td>-</td>
</tr>
<tr>
<td>7. Name of the Airport</td>
<td>Madurai</td>
</tr>
<tr>
<td>8. Name of the Export Commodities</td>
<td>Granite, Towels, Garments</td>
</tr>
<tr>
<td>9. Name of the Import Commodities</td>
<td>Timber, Medicine</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>18 COMMUNICATION</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>I. Post and Telegraph in Nos.</td>
<td></td>
</tr>
<tr>
<td>a. Post offices doing postal business alone</td>
<td>411</td>
</tr>
<tr>
<td>b. Post offices doing post &amp; Telegraph business</td>
<td>19</td>
</tr>
<tr>
<td>2. Telephones</td>
<td></td>
</tr>
<tr>
<td>a. No of Telephones in use</td>
<td>149181</td>
</tr>
<tr>
<td>b. No of public call offices</td>
<td>6551</td>
</tr>
<tr>
<td>c. No of Telephone exchanges</td>
<td>61</td>
</tr>
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<table>
<thead>
<tr>
<th>19 CO-OPERATION</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Primary Land Development Banks</td>
<td>8</td>
</tr>
<tr>
<td>b. Co-operative Apex Banks (TNSC)</td>
<td>-</td>
</tr>
<tr>
<td>c. District Central Co-operative Banks</td>
<td>1</td>
</tr>
<tr>
<td>d. Urban Banks including Branches</td>
<td>6</td>
</tr>
<tr>
<td>e. Primary Agricultural Credit Societies (PACB)</td>
<td>181</td>
</tr>
<tr>
<td>f. Housing Co-operative societies</td>
<td>-</td>
</tr>
<tr>
<td>g. Employees Co-operative societies</td>
<td>110</td>
</tr>
<tr>
<td>h. Lift Irrigation’s Societies</td>
<td>-</td>
</tr>
<tr>
<td>i. Weavers Co-operative societies</td>
<td>55</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>j. Industrial Co-operative societies</td>
<td></td>
</tr>
<tr>
<td>k. Khadi &amp; Village Industries societies</td>
<td></td>
</tr>
<tr>
<td>l. Primary Co-operative Stores</td>
<td>38</td>
</tr>
<tr>
<td>m. Co-operative Marketing societies</td>
<td>6</td>
</tr>
<tr>
<td>n. other co-operative societies</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>REGISTRATION</td>
</tr>
<tr>
<td>i. No. of Registration Offices</td>
<td>2</td>
</tr>
<tr>
<td>ii. Aggregate value of property transferred (Rs. In crores)</td>
<td>422.96</td>
</tr>
<tr>
<td>iii. Total receipts (Rs. In crores)</td>
<td>59.62</td>
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<tr>
<td>21</td>
<td>HOUSING</td>
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<tr>
<td>i. No of tenements constructed by TNHB</td>
<td></td>
</tr>
<tr>
<td>ii. By Registrar Housing</td>
<td></td>
</tr>
<tr>
<td>iii. No of tenements constructed by TNSCB</td>
<td>116</td>
</tr>
<tr>
<td>iv. No of tenements constructed by PHB</td>
<td>348</td>
</tr>
<tr>
<td>v. Deputy Registrar Housing-Rural</td>
<td></td>
</tr>
<tr>
<td>vi. Deputy Registrar Housing-Urban</td>
<td></td>
</tr>
<tr>
<td>vii. Samathuvapuram</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>SOCIAL WELFARE (in Nos)</td>
</tr>
<tr>
<td>i. Old Age Pensioners</td>
<td>56430</td>
</tr>
<tr>
<td>ii. Dr. Muthulakshmi Reddy Ammayar Ninaivu Mahaperu Udhavi Thittam</td>
<td></td>
</tr>
<tr>
<td>iii. Marriage Assistance</td>
<td></td>
</tr>
<tr>
<td>a. Moovalur Ramamirtham Ammayar Ninaivu Thirumana Uthavi Thittam</td>
<td></td>
</tr>
<tr>
<td>b. Marriage Assistance EVR Mani Ammayar widow Daughters marriage assistance scheme</td>
<td>76</td>
</tr>
<tr>
<td>c. Dr. Dharmambal Ammayar (Widow Remarriage) Thittam</td>
<td>4</td>
</tr>
<tr>
<td>d. Annai Therasa Ninaivu Marriage Assistance to orphan girls</td>
<td>7</td>
</tr>
<tr>
<td>e. Tamilaga Arasu Kalappu Thirumana Nidhi Uthavi Thittam</td>
<td>89</td>
</tr>
<tr>
<td>iv. Aid for Handicapped</td>
<td>379</td>
</tr>
<tr>
<td>v. Aid for others</td>
<td></td>
</tr>
<tr>
<td>vi. Women welfare cooperative societies</td>
<td>4</td>
</tr>
<tr>
<td>vii. Training Centres</td>
<td>3</td>
</tr>
<tr>
<td>viii. Mahalir Mandram (i) Group</td>
<td>4016</td>
</tr>
<tr>
<td>(ii) Member</td>
<td>79952</td>
</tr>
<tr>
<td>ix. Women Development Centre</td>
<td></td>
</tr>
<tr>
<td>x. Beneficiaries</td>
<td></td>
</tr>
<tr>
<td>xi. Ulavar Santhai</td>
<td>2</td>
</tr>
<tr>
<td>23</td>
<td>NUTRITIOUS NOON-MEAL PROGRAMME</td>
</tr>
<tr>
<td>Name of the programme</td>
<td>Centres</td>
</tr>
<tr>
<td>i. Purachi Thalaivar MGR NMS 1421</td>
<td></td>
</tr>
<tr>
<td>ii. No of ICDS Centres (urban)</td>
<td>361</td>
</tr>
<tr>
<td>iii. TINP WBAICDS III Project (Rural) 1036</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>REVENUE ADMINISTRATIVE DIVISIONS</td>
</tr>
<tr>
<td>----</td>
<td>---------------------------------</td>
</tr>
<tr>
<td></td>
<td>1. Revenue Divisions</td>
</tr>
<tr>
<td></td>
<td>ii. Revenue Taluks</td>
</tr>
<tr>
<td></td>
<td>iii. Revenue Firkas</td>
</tr>
<tr>
<td></td>
<td>iv. Revenue villages</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>25</th>
<th>LOCAL BODIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>i.</td>
<td>Corporation</td>
</tr>
<tr>
<td>ii.</td>
<td>Municipalities</td>
</tr>
<tr>
<td>iii.</td>
<td>Town panchayats</td>
</tr>
<tr>
<td>iv.</td>
<td>Village panchayats</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>26</th>
<th>COMMUNITY DEVELOPMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>i.</td>
<td>No of Development divisions</td>
</tr>
<tr>
<td>ii.</td>
<td>No of Blocks covered</td>
</tr>
<tr>
<td>iii.</td>
<td>Populations covered (in lakhs)</td>
</tr>
<tr>
<td>iv.</td>
<td>area covered (in sq. km.)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>27</th>
<th>POLICE AND PRISONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>i.</td>
<td>Police</td>
</tr>
<tr>
<td>a.</td>
<td>Police Force</td>
</tr>
<tr>
<td>i.</td>
<td>Local</td>
</tr>
<tr>
<td>ii.</td>
<td>Armed Reserve</td>
</tr>
<tr>
<td>b.</td>
<td>No. of Police stations</td>
</tr>
<tr>
<td>c.</td>
<td>No. of Public Out Posts</td>
</tr>
<tr>
<td>ii.</td>
<td>Prisons</td>
</tr>
<tr>
<td>a.</td>
<td>Central Prisons</td>
</tr>
<tr>
<td>b.</td>
<td>Other Prisons</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>28</th>
<th>LEGISLATURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>i.</td>
<td>Members of Legislative Assembly</td>
</tr>
<tr>
<td>a.</td>
<td>Elected</td>
</tr>
<tr>
<td>b.</td>
<td>Nominated</td>
</tr>
<tr>
<td>ii.</td>
<td>Member of Parliament (Lok Sabha)</td>
</tr>
<tr>
<td>iii.</td>
<td>Member of Parliament (Rajya Sabha)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>29</th>
<th>CINEMA THEATERS (in Nos)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Permanent</td>
</tr>
<tr>
<td>a.</td>
<td>Air conditioned</td>
</tr>
<tr>
<td>b.</td>
<td>Non Air conditioned</td>
</tr>
<tr>
<td>c.</td>
<td>Air cooled</td>
</tr>
<tr>
<td>2.</td>
<td>Open Air Theatre</td>
</tr>
<tr>
<td>3.</td>
<td>Semi Permanent</td>
</tr>
<tr>
<td>4.</td>
<td>Touring Theatre</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>30</th>
<th>BANKING AND INSURANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>i.</td>
<td>Banks</td>
</tr>
<tr>
<td>ii.</td>
<td>Primary Co-op.Banks</td>
</tr>
<tr>
<td>iii.</td>
<td>Life Insurance</td>
</tr>
<tr>
<td>a.</td>
<td>Offices</td>
</tr>
<tr>
<td>b.</td>
<td>Policies issued</td>
</tr>
<tr>
<td>c.</td>
<td>Sum Assured (Rs. In crores)</td>
</tr>
<tr>
<td>31</td>
<td>NATURAL RESOURCES</td>
</tr>
<tr>
<td>----</td>
<td>------------------</td>
</tr>
<tr>
<td>a.</td>
<td>Name of the Minerals found in the District</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>32</th>
<th>GENERAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Name of the important pilgrim centres</td>
</tr>
<tr>
<td>a.</td>
<td>Arulmigu Meenakshi Sundareswarar temple</td>
</tr>
<tr>
<td>b.</td>
<td>Subramanya Samy Koil, Tirupparankundram</td>
</tr>
<tr>
<td>c.</td>
<td>Alagar Koil</td>
</tr>
<tr>
<td>d.</td>
<td>Perumal Kovil, Tallakulam</td>
</tr>
<tr>
<td>e.</td>
<td>Koodal Alagar Koil</td>
</tr>
<tr>
<td>f.</td>
<td>Mariamman Koil</td>
</tr>
<tr>
<td>g.</td>
<td>Nanmai Tharuvar Koil</td>
</tr>
<tr>
<td>h.</td>
<td>Manicka Vasagar Kovil, Thiruvathayur</td>
</tr>
<tr>
<td>i.</td>
<td>Kalamega Perumal Koil, Thirumoghur</td>
</tr>
<tr>
<td>j.</td>
<td>Cathedral Church, Goripalayam Mosque</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>II</th>
<th>Name of the Important Tourist centres</th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Naickar Palace</td>
</tr>
<tr>
<td>b.</td>
<td>Vandiyur Tepekulam</td>
</tr>
<tr>
<td>c.</td>
<td>Gandhi Museum</td>
</tr>
<tr>
<td>d.</td>
<td>Viraganoor dam</td>
</tr>
<tr>
<td>e.</td>
<td>Theam Park</td>
</tr>
<tr>
<td>f.</td>
<td>Cathedral Church</td>
</tr>
<tr>
<td>g.</td>
<td>Goripalayam Pallivasal</td>
</tr>
</tbody>
</table>
### APPENDIX - 3

**DISTRIBUTION OF BRICK UNITS ACCORDING TO THE TALUKS AND ACTIVITY WISE EMPLOYMENT OF LABOURERS - ANNUALLY**

<table>
<thead>
<tr>
<th>Place</th>
<th>No. of units</th>
<th>No. of firings</th>
<th>Number of labour (activity wise)</th>
<th>Average Number of labour employ per unit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Moulding</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Male</td>
<td>Female</td>
</tr>
<tr>
<td>Madurai South</td>
<td>54</td>
<td>276</td>
<td>18954</td>
<td>15426</td>
</tr>
<tr>
<td>Madurai North</td>
<td>48</td>
<td>240</td>
<td>9200</td>
<td>12316</td>
</tr>
<tr>
<td>Melur</td>
<td>43</td>
<td>138</td>
<td>5188</td>
<td>6698</td>
</tr>
<tr>
<td>Vadi-patty</td>
<td>41</td>
<td>297</td>
<td>7471</td>
<td>10243</td>
</tr>
<tr>
<td>Usilampatty</td>
<td>48</td>
<td>351</td>
<td>13685</td>
<td>15375</td>
</tr>
<tr>
<td>Thiru-inangal am</td>
<td>36</td>
<td>374</td>
<td>7037</td>
<td>10948</td>
</tr>
<tr>
<td>Peraiyur</td>
<td>37</td>
<td>363</td>
<td>7237</td>
<td>9554</td>
</tr>
<tr>
<td>Total</td>
<td>307</td>
<td>2039</td>
<td>58772</td>
<td>80560</td>
</tr>
<tr>
<td>Average per unit</td>
<td></td>
<td></td>
<td>224</td>
<td>262</td>
</tr>
</tbody>
</table>

*Source: Computed from primary data*
### APPENDIX - 4

**DISTRIBUTION OF BRICK UNITS ACCORDING TO THE PRODUCTION SIZE AND THE COMPONENTS OF AVERAGE FIXED COST**

<table>
<thead>
<tr>
<th>Size of the unit (in 000 bricks)</th>
<th>No. of the units</th>
<th>No. of firings</th>
<th>Components of Average Fixed Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Thatched Shed</td>
</tr>
<tr>
<td>15-30</td>
<td>99</td>
<td>887</td>
<td>4217.17</td>
</tr>
<tr>
<td>31-45</td>
<td>86</td>
<td>447</td>
<td>8076.16</td>
</tr>
<tr>
<td>46-60</td>
<td>66</td>
<td>429</td>
<td>17980.3</td>
</tr>
<tr>
<td>61-75</td>
<td>28</td>
<td>138</td>
<td>11910.7</td>
</tr>
<tr>
<td>76-90</td>
<td>28</td>
<td>138</td>
<td>13232.1</td>
</tr>
<tr>
<td>Total</td>
<td>307</td>
<td>2039</td>
<td>9780.94</td>
</tr>
</tbody>
</table>

*Source: Computed from the primary data.*
### DISTRIBUTION OF BRICK UNIT ACCORDING TO THE PRODUCTION SIZE AND THE COMPONENTS OF AVERAGE VARIABLE COST

(Rs. in Lakhs)

<table>
<thead>
<tr>
<th>Size of the unit (in 000 bricks)</th>
<th>No. of units</th>
<th>No. of the firings</th>
<th>Components of Average variable cost</th>
<th>TVC</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Raw material cost</td>
<td>Labour cost</td>
</tr>
<tr>
<td>15-30</td>
<td>99</td>
<td>887</td>
<td>0.41</td>
<td>0.44</td>
</tr>
<tr>
<td>31-45</td>
<td>86</td>
<td>447</td>
<td>0.43</td>
<td>0.45</td>
</tr>
<tr>
<td>46-60</td>
<td>66</td>
<td>429</td>
<td>0.69</td>
<td>0.76</td>
</tr>
<tr>
<td>61-75</td>
<td>28</td>
<td>138</td>
<td>0.75</td>
<td>0.69</td>
</tr>
<tr>
<td>76-90</td>
<td>28</td>
<td>138</td>
<td>0.82</td>
<td>0.80</td>
</tr>
<tr>
<td>Total</td>
<td>307</td>
<td>2039</td>
<td>3.1</td>
<td>3.14</td>
</tr>
</tbody>
</table>

*Source: Computed from the primary data*
APPENDIX-6

DISTRIBUTION OF BRICK UNIT ACCORDING TO THE PRODUCTION SIZE
AND ANNUAL EMPLOYMENT OF LABOURERS

<table>
<thead>
<tr>
<th>Production Size</th>
<th>No. of Units</th>
<th>Number of labour activity wise</th>
<th>Total No. of labours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Moulding</td>
<td>Arranging</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Male</td>
<td>Female</td>
</tr>
<tr>
<td>15-30</td>
<td>99</td>
<td>193</td>
<td>236</td>
</tr>
<tr>
<td>31-45</td>
<td>86</td>
<td>153</td>
<td>222</td>
</tr>
<tr>
<td>46-60</td>
<td>66</td>
<td>138</td>
<td>205</td>
</tr>
<tr>
<td>61-75</td>
<td>28</td>
<td>73</td>
<td>89</td>
</tr>
<tr>
<td>76-90</td>
<td>28</td>
<td>77</td>
<td>94</td>
</tr>
<tr>
<td>Total</td>
<td>307</td>
<td>68772</td>
<td>80560</td>
</tr>
<tr>
<td>Avg. per unit</td>
<td></td>
<td>224</td>
<td>262</td>
</tr>
</tbody>
</table>

Source: Computed from the primary data