QUESTIONNAIRE (Kudumbashree unit)

1. Name
   (Kudumbashree member) :

2. Group Name& No. :

3. Year of formation :

4. Total no of members in the group :

5. Name of ward or area where collection is affected :

Social Status

6. Age of the member :

7. Religion and caste :

8. Married/ unmarried :

9. Educational qualification of the family members :
   F/M/B/G/

10. Occupation of the family members :
    F/M/B/G/

11. Average family income excluding the Kudumbasree :

12. Previous employment if any :
    A) Nature of employment
    b) Average monthly income from that employment

13. Duration of collection of waste (hrs) :

14. Days preferred for waste collection except (Disposal) :
    Working days/All days/all days
    Sunday

15. Collection time (Fore noon, afternoon) :
    8-10/10-12/12-2/2-4

16. Distance travelled for Waste collection (Km) :

17. Do you collect waste from commercial establishments? :

18. If yes, what is the monthly payment? :
20. How do you become a member of Kudumbashree (family circumstances, special interest etc): 

21. Period of service as Kudumbashree Member (less than one year/more than one year/more than two years): 

22. Quantity of waste collected per group per day: 10kg/less than 10/more than 10 

23. Household’s attitude: 

24. Do they co operate in collecting disposals: 

25. What is children’s response to SWM?: 

26. Public attitudes towards member: hatred/cordial attitude/non-cordial/co-operation 

27. What is municipality’s response to SWM?: 

**Economic Status**

28. Average monthly income: 

29. Other sources of income: 

30. Any extra benefit received from the Municipality: 

31. Any extra remuneration from households: 

32. Any financial support from government: 

**Health Status**

33. Precautionary measures: Not adopting/ Antisepticlotions/ gloves/Both 

34. Does Municipality provide any item?: Dress allowance/ Protection facilities/Others 

35. Do you experience any occupational health hazards?: Skin diseases, wounds &sears, body pain, Lung diseases, eye diseases, others 

36. Methods of waste disposal from Collecting/dumping point to disposal: 

37. Are you insurance covered? : 

38. Is municipality paying the premium? : 

39. Is it possible to incorporate professionalism? : 

QUESTIONNAIRE (Municipality)

1. Name of city/town : 
2. Name of Municipal body : 
3. Total Municipal area : 
4. Population : 
5. No. of wards : 
6. No. of houses per wards : 
7. No. of health circle : 
8. Total quantity of waste generated per day : 
   A) Bio-degradable (%) : 
   B) Non biodegradable (%) : 
9. Which is the major creator of solid waste? : 
   A) Residential : 
   B) Commercial Buildings : 
   C) Others : 
10. Total no. of commercial establishments : 
11. Total quantity of waste collected per day : 
12. Source and volume of solid waste

<table>
<thead>
<tr>
<th>TYPE OF SOLID WASTE</th>
<th>TONS PERDAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>House holds</td>
<td></td>
</tr>
<tr>
<td>Shops</td>
<td></td>
</tr>
<tr>
<td>Hotels/Restaurant</td>
<td></td>
</tr>
<tr>
<td>Hospitals</td>
<td></td>
</tr>
<tr>
<td>Workshops</td>
<td></td>
</tr>
<tr>
<td>Markets</td>
<td></td>
</tr>
<tr>
<td>Street sweepings</td>
<td></td>
</tr>
<tr>
<td>Marriage halls</td>
<td></td>
</tr>
<tr>
<td>Establishment of institutions</td>
<td></td>
</tr>
<tr>
<td>Construction works</td>
<td></td>
</tr>
<tr>
<td>Industries</td>
<td></td>
</tr>
<tr>
<td>Slaughter House</td>
<td></td>
</tr>
<tr>
<td>others</td>
<td></td>
</tr>
</tbody>
</table>
13. Composition of solid waste

<table>
<thead>
<tr>
<th>Material</th>
<th>Total Qty</th>
<th>In (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organic Waste (organic waste include food waste, leaves, vegetables etc.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paper</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glass</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Textile</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plastic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wood</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Metal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ash</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sand</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leather goods</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rubber</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Street refuse</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other types (un classified)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

14. Zone – Wise generation of Waste

<table>
<thead>
<tr>
<th>Zone</th>
<th>Area Sq.km</th>
<th>Locality</th>
<th>Population (Lakh)</th>
<th>No. of houses</th>
<th>No. of shops</th>
<th>Waste generated day (Kg)</th>
<th>No. of Sweepers</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
15. Collection points and time of removal

<table>
<thead>
<tr>
<th>Collection point No</th>
<th>Time of Removal</th>
<th>Location/Name of street</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

16. No. of days garbage is collected in a year :

17. No. of waste collection agencies except Govt : pvt (NGOs, Kudumbashree, etc)
If applicable, Total no. of wards :

<table>
<thead>
<tr>
<th>Unit</th>
<th>No. of houses</th>
<th>Collected waste per day</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

18. Collection time or hours of collection :
A) Residential :
B) Commercial :

19. No. of storage containers :

20. Total no. of staff associated with waste Management

<table>
<thead>
<tr>
<th>SI No</th>
<th>Description</th>
<th>No</th>
<th>Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
21. No. of contingent workers
   A) permanent : 
   B) Temporary : 

22. Salary to contingent workers : 

23. Total no. of vehicles used for solid waste Management : 

24. Average size of each vehicle : 

25. Total quantity of waste processed for
   A) Composting : 
   B) Vermi Culture : 
   C) Pellets : 
   D) Others, if any : 

26. If yes, quantity of production per month : 

27. How is the marketability? : 

28. The net income generated through the solid waste disposal / recycling/ fertilizer : 

29. How market wastes are disposed?
   Is it possible to use vegetable waste for manure? : 

30. Name of disposal site/ sites : 

31. Present method of disposal : 

32. Total quantity of waste disposed by
   Land filling : 
   A) No. of landfill sites used : 
   B) Disposal sites area, acres : 
   C) Whether equipment like bulldozer, Compactors etc available (pl specify) : 

33. Details of Land filling : with the consent of Municipality/ without the consent of municipality 

34. Total manpower available on site : 

35. Whether covering is done on daily basis : yes/No 

36. Average distance to municipality to Disposal site : 

37. No. of families live within 1 km radius of disposal site : 
38. No. of Lorries engaged per day for garbage Disposal

39. No. of trips per day per lorry

40. Transport cost per day

41. Average monthly collection and disposal cost

42. Municipalities revenue and expenditure

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Revenue</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Expenditure</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Share of expenditure on waste disposal</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% share</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

43. Is the present practice a sustainable one?

44. Public involvement for waste disposal and waste management

45. What are the current environmental issues of solid waste management faced by the municipality? 1. 2. 3. 4. 5.

46. What are the ways identified by the municipality to solve the above issues

47. How much would be the additional cost involved for this? And from where this is to be met?

48. Any fund is expected from external sources?

49. Are the trenching grounds capable to accommodate any quantity of waste?

50. Have you heard of biogas plants? Is it possible to generate power through biogas?

51. Who are the main creators of solid waste? Why are they not being taxed?

52. What is the alternative option if the present system collapsed?:
53. Drinking water management policy of the Municipality

54. Is there a standing committee on environmental Management/ Solid waste management

55. Major decision on waste management taken by municipal council.

56. Which is the Suitable waste management policy according to the municipality?

57. What are the Municipal rules against solid waste mismanagement?

58. Who has the authority over the law breakers? What is the amount that is punishable
QUESTIONNAIRE (Household)

1. Ward No : 
2. Ward name : 
3. Type of house : own house/rented house/ flat / apartment 
4. How long have you been living in this place? : 
5. Total plinth area : 
6. Total area of the land in which house is constructed : 
7. No of rooms and no of family members : 
8. Age composition of family members : 
9. No. of person employed : 
10. Average monthly income of the family : 
11. How many members are available during day time? : 
12. Are you a member of NGO? : 
13. Period of participating in door-to-door garbage Collection : 
14. Method of previous practice of waste management : 
15. Collection time : 
16. Frequency of collection : daily/alternative days/twice a day etc 
17. Whether providing any bag of basket to keep waste : 
18. Type and colour of basket : 
19. Items of waste : plastics/vegetables/fish,meat/papers/bottles/ Cartridge etc 
20. Which item is the largest quantity? : 
21. What is the reason for the same? : 
22. Have you purchased food items from hotels : 
23. Honorarium paid for Kudumbashree units : 
24. Are they sincere in attending the work? : 
25. Do you know about self disposal? : 
26. Is it possible for self disposal in your premise? : 
27. Why are you not trying that?
28. Is drainage system hampered by solid wastes?
29. What is expected to be done to overcome this issue?
30. What is Municipality’s response towards SWM?
31. Do you attend Ward council / Meeting?
32. Do you discuss SWM in the Ward meeting?
33. What is Ward member’s response to SWM?
34. Do you know where the solid wastes are disposed?
35. Tomorrow if agitation takes place what would be the alternative?
36. If a levy is imposed on solid waste creation will that help to bring down the quantity of solid waste creation?
37. What is your opinion about a fee on waste disposal?
38. Are you willing to pay an amount on certain quantity of waste creation?
39. The creators of waste and victims of waste are different. How is it possible to compensate for it in the form of rehabilitation, providing safe drinking water etc for which money is involved?
40. Are you satisfied with present practice of door-to-door garbage collection?
41. If no, what are the reasons?
42. Any suggestion to improve this method of waste Collection?
43. Any comments related to solid waste management System adopted by Kannur Municipality
QUESTIONNAIRE (Commercial Establishment)

1. Ward No and ward name : 

2. Type of building : own house/rented house/flat/apartment

3. Type of business : 

4. When did you start business in this place? : 

5. Total plinth area : 

6. Education : 

7. Total no. of workers : 

8. Average daily income : 

9. Are you participating in door-to-door garbage collection : 

10. If yes, period of participating in door-to-door garbage Collection : 

11. If no, present practice of waste management : 

12. Time of disposal : 

13. Total quantity of waste created per day : 

14. Whether providing any bag of basket to keep waste : 

15. Type and colour of basket : 

16. Type of waste : Biodegradable/non-biodegradable

17. Honorarium paid for Kudumbashree units : 

18. Do you know about self disposal? : 

19. Is it possible for self disposal in your premise? : 

20. Do you know where the solid wastes are disposed? : 

21. Tomorrow if agitation takes place what would be the alternative? : 

22. If a levy is imposed on solid waste creation will that help to bring down the quantity of solid waste creation: 

23. What is your opinion about a fee on waste disposal? : 

24. Are you willing to pay an amount on certain quantity of waste creation? :
25. If quantity of your waste exceeds the fixed quantity of waste, in this situation municipality charges an additional amount on extra quantity. What is your opinion? Do you co-operate?

26. If no, what are the reasons?

27. Any suggestion to improve this method of waste Collection?

28. Any comments related to the solid waste management System adopted by Kannur Municipality.