

Questionnaire for Households

H.H. No.

Ward Name:

Date:

1. Interviewee is
(1) Male (2) female
2. Education
(1) No formal education (2) primary (3) secondary (4) higher education
3. Number of members in the family—(1) adults- (2) children-
4. Average monthly income: Rs.
5. House (1) owned (2) rented
6. Average family expenditure (Monthly)-Rs.....

Impacts on health

7. Have you or your family members been affected by any of the following signs and symptoms and diseases in the last 3 years.
 - i) Signs and symptoms: cough and cold, fever, headache, diarrhea, skin infection and eye irritation.
 - ii) Diseases: cholera, jaundice, typhoid, dengue fever, rat fever, chicken guinea, intestinal parasitism.
8. Perceived causes of signs and symptoms
(1) Physical environment (2) Lifestyle risk
(3) Non environment (4) Don't know
9. Perceived causes of diseases
(1) Physical environment (2) Lifestyle risk
(3) Non environment (4) Don't know
10. Whether children are affected
(1) Yes (2) No
11. Whether the occurrence of the diseases has been seasonal.
(1) Yes (2) No

12. If yes, which season (1) Monsoon (2) Winter (3) Summer
13. Average expenditure for out patient treatment –
14. Average expenditure for inpatient treatment --
15. Do you feel that the occurrence of the diseases has increased over the years?
(1) Yes (2) No
16. If yes, what in your opinion is the main reason?
(1) Environmental pollution due to solid waste (2) Don't know
(3) Other reasons (specify).
17. Do you have any type of medical insurance?
(1) Yes (2) No

Impact of solid waste disposal on residential land value

18. Do you feel that the value of your land has gone down to pollution?
1) Yes 2) No
19. What in your opinion is the current average value of land / cent in the municipal area? Rs....
20. Do you feel that the decrease in value can be attributed mainly due to the environmental pollution due to solid waste
1) Yes 2) No
21. If you are offered a place that is free from environmental pollution, are you ready to relocate
1) Yes 2) No

Quality of water

22. From where do you get drinking water?
1) Municipal water 2) Well 3) Ponds 4) Others (specify)
23. Do you feel that the general quality of the drinking water has deteriorated over the years?
1) Yes 2) No

24. In your opinion, what are the possible reasons for the deterioration of drinking water quality.

- 1) Pollution due to solid waste 2) Any other reasons (specify)
3) Don't know

Disamenities due to sold waste

25. What are the disamenities you face due to solid waste?

- 1) Foul smell (2) increased population of flies, vermin, pests, and particulate air pollution. (3) Visual impacts (dirty surroundings, litters)
(4) all (5) none

26. How would you rank the disamenities?

Disamenities	Rank
Foul smell	
Increased population of flies, vermin. etc.	
Visual impacts	

27. How do you dispose the solid waste generated by your household?

- (1) Burning (2) Municipal Waste bin (3) Road Side, Canals etc.
(4) Any other method (Specify)

28. Do you sort and separate your waste before disposing it?

- (1) Yes (2) No

29. What is the frequency of waste collection by the Municipality?

- (1) Daily (2) 3 Days (3) Weekly (4) Other (specify)

30. How will you rate the performance of the municipality in its solid waste Management?

- (1) Bad (2) Good (3) v.good

31. Do you make use of the services of the Kudumbashree for your waste disposal?

- (1) Yes (2) No

32. How will you rate the performance of the Kudumbashree?

- (1) Bad (2) good (3) v.good

33. Do you feel that Kudumbashree units perform better than the municipality?
(1) Yes (2) No

Economic Valuation

34. Are you aware of the various environmental pollution problems?
1) Yes 2) No
35. How will you rate the environmental condition of Alappuzha town?
1) Bad 2) Good 3) V.Good
36. Do you feel that the quality of the environment has deteriorated over the years?
1) Yes 2) No
37. How will you rate the solid waste management system in Alappuzha town?
a) Bad b) Good c) V.Good
38. Do you feel that the solid waste management problem should be solved irrespective of the cost.
1) Yes 2) No

Project description

The municipality is planning to have two different solid waste management programme that will take into consideration different aspects of efficient solid waste management starting from generation of wastes to final disposal. Contribution from the public in the form of user charges is required.

The first project will cost around Rs. 6crores.

The key characteristics of the first project are

- (a) A new collection system that ensures 100 % collection of wastes.
- (b) Construction of a controlled landfill with a large life span.
- (c) Avoid contamination of ground water

Preference elicitation

39. Are you willing to pay (WTP) Rs.30 every month as user charges for the new Programme?
- a. If yes, maximum amount Rs.
 - b. If no, Minimum amount Rs.....
 - c) None
40. If willing to pay, the reasons
41. If none, the reasons
- 1) Cannot afford to pay 2) The govt should pay
 - 3) Don't have faith in municipality 4) Other reasons (specify)
42. Are you willing to pay (WTP) Rs.30 if the project is implemented by a private agency?
- a) If yes, Maximum amount Rs.....
 - b. If no, Minimum amount Rs.....
 - c) None
43. If yes, the reasons....
44. If none, the reasons
- 1) Cannot afford to pay 2) Don't have faith in Pvt. Agencies
 - 3) Other reasons (specify)

The second project will cost around 8 crores.

The key features of the second project are

- a) A new collection system that ensures 100 % collection of wastes.
- b) Construction of a controlled landfill with a large life span.
- c) Avoid contamination of ground water and air.
- d) Generation of compost from waste.
- e) Recycling of waste.

Preference elicitation

45. Are you willing to pay (WTP) Rs.40 every month as user charges for the new Programme?
a. If yes, maximum amount Rs.
b. If no, Minimum amount Rs.....
c. None
46. If yes, the reasons.....
47. If none, the reasons
1) Cannot afford to pay 2) Other reasons (specify)
48. Are you willing to pay (WTP) Rs.40? If the project is implemented by a private agency?
a. If yes, Maximum amount Rs.....
b. If no, Minimum amount Rs.....
c. None
49. If yes, the reasons.....
50. If none, the reasons
1) Cannot afford to pay 2) The first project is enough.
3) Other reasons (specify)