

Appendix – I

Interview schedule to elicit information from the selected women

Disseminating Knowledge on Solid Waste Management

I. GENERAL INFORMATION

A) Profile of the respondents

- 1) Name of the respondents :
2) Address :
3) Age : 1. 20-30 2. 31-40 3. 41-50
4) Sex : Male / Female
5) Religion : Hindu / Christian / Muslim
6) Community : SC / BC / MBC / OC /
7) Educational Qualification : 1. Illiterate 2. School level 3. Graduation
8) Type of Family : Joint Family / Nuclear Family
9) Occupation : 1. Business 2. Private job
3. Government job 4. Fishing
10) Family Income (Per Annual) : 1. 20000-30000 2. 30001 - 40000
3. 40001 – 50000 4. Above 50000
11) Size of the Family : 1. 1-5 2. Above 5
(No of members in family)

II. Existing conditions of the selected area on solid waste management

12. Types of solid waste generated at household

Type of waste	Waste	
Biodegradable waste	Food debris	
	Tea and coffee dust	
	Paper	
	Fruit skin	
	Egg shell	
	Vegetable peel	
Non-biodegradable waste	Food packets	
	Glass items	

	Plastic container	
Hazardous or reject waste	Electronic items	
	Adult napkins	
	Disposal diaper	
	Used medicine	

13. Existing practices on waste disposal method

Tick the practices you follow

1.Food waste	
Dumping	
Throwing outside/Dustbin	
Feed to animal	
2.Plastics	
Burning	
Bury	
Throwing outside/Dustbin	
Reuse	
Selling	
3.Cardboard/Paper	
Burning	
Bury	
Throwing outside/Dustbin	
Reuse	
Selling	
4.Utensils/metals	
Selling	
Throwing outside/Dustbin	
5.Glass	
Selling	
Throwing outside/Dustbin	

3. Storage and disposal of solid waste

14. Type of container used for storage of waste

Types of container	N
Buckets	
Dust bin	
Polythene bag	
Plastic container	
Old vessels	

15. Disposal of solid waste

Disposal of solid waste	N	
Separating the waste before the disposal		
Yes		
No		
Place of waste bin kept in houses		
Kitchen		
Backyard of the house		
On street corner		
No storage		
Number of disposal bin		
One		
Two		
No bin/container		
Separate bin for storage of waste		
Yes		
No		

4. Awareness on solid waste management

Awareness	Yes	No
16. Have you heard about waste?		
17. Do you know the types of waste?		
18. Have you heard about Waste Segregation?		
19. Are you aware of Bio-degradable and Non-biodegradable waste?		
20. Do you know the positive and negative effects of Waste Management?		
21. Do you know about Composting?		
22. Do you know compost is rich in nutrients and used as fertilizer?		
23. Are you aware of composting technologies?		
24. Do you know anything about types of composting?		
25. Do you know about Kitchen gardening?		
26. Are you aware of pollution?		
27. Are you aware of the types of pollution?		
28. Are you aware that improper waste management leads to environmental pollution?		
29. Are you aware that burning of waste leads to air pollution?		

31. Information on garbage collection

N=400*		
Information	N	
32. Mode of method adopted		
Community Dust bin		
Door to Door Collection		
33. Transportation of waste from house		
Self		
Children		
Housemaid		
34. Frequency of disposal of waste		
Daily		
On alternative days		
Weekly		
Two week once		
35.Using regular collection service		
Yes		
No		
36.Reasons for not using the collection service		
Frequency of time is not satisfaction		
Improper way of collecting of waste		
Improper behavior of worker		
37.Satisfaction with collection service		
Yes		
No		
38.Reasons for not satisfaction on collection service		
Lack of clean appearance		
Frequency of collection service is poor		
Workers behave rude		

39. Mode of operation on garbage collection service

Operation of garbage collection service	N
Authorities for collection of waste	
Municipality	
Community organization	
Private organization	
Mode of transport used for clearance of waste	
Tricycle	
Battery operator vehicle	
Lorry	
Frequency of clearance of waste by collection service	

Everyday	
Once in two days	
Once in week	
Occasionally	
Provisions of community large bins by authority	
Yes	
No	
Location of community bin	
Corner of the street	
Public property	
Appropriate disposal site	
Distance between residence and location of community large bin	
10-20 mtrs	
20-30 mtrs	
Above 30 mtrs	
Satisfaction by using large bin	
Yes	
No	
Reasons for dissatisfaction in using large bins	
Due to height of the bin	
Due to spreading of wastes around the bin	
Animal menace	
Odour and unhygienic appearance	
Distance from home to bin	

40. What is the level of satisfaction on present solid waste management?

N=400*				
Level of satisfaction	Satisfied	%	Not satisfied	%
Provision for waste collection				
Frequency of collection of waste is maintained				
Provision of community bins at locality				
Behavior of waste collecting workers				

41. Opinions on PREVAILING ENVIRONMENTAL CONDITION IN THE SELECTED AREA

1. Existing Environmental Conditions

1. Surface Water gets contaminated
2. Soil Contamination
3. Pollution

2. Reasons for Environmental degradation

1. Lack of Knowledge on waste disposal
2. Lack of environmental awareness
3. Mishandling of dustbin

42. Problems faced by people due to accumulation of household waste

	Content	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	Breeding places for insects, mosquitoes and rodent					
2	Surroundings become unhygienic					
3	Environmental pollution					
4	Unpleasant odour					
5	Polluted water supply					
6	Health problems					
7	Over flow of drainage					
8	Streets animals menace					
9	Soil become infertile					

43. Health hazards due to improper waste management

Health hazards	Yes	No
Chicken pox		
Diarrhea		
Dysentery		
Typhoid		
Dengue		
Viral fever		
Malaria		
Do you know causes for diseases		
Pollution is the reason		
Improper solid waste management leads to diseases		
Lack of awareness is the main reason		
Unaware of causative agents of diseases		

44. Suggest the opinion about safe disposal method

Opinion	Yes	No
Concerned about dumping waste on road side		
Concerned that health hazards are due to solid waste management		
Concerned that pollution is a major problem		
Concerned about future of environment		

45. Factors responsible for environmental degradation in Rameswaram

	Yes	No
Improper solid waste management		
Floating population		
Lack of awareness on environment		
Attitude on solid waste management		
Pollution		
Lack of law enforcement		

46. Opinion on Level of satisfaction with present solid waste collection

CONTENT	SATISFIED	UNSATISFIED
Provision for waste collection		
Periodicity of collection of waste		
Provisions of community bins at locality		
Behaviors of waste collecting workers		

47. Factor behind the enormous of waste generation

Mark your responses in five point scale 5 for Strongly Agree and 1 for Strongly Disagree

	Statement	5	4	3	2	1
1	Population growth					
2	Changes in life style					
3	Lack of knowledge					
4	Poor municipal services					
5	Government towards environment					
6	Lack of strict laws					
7	Public attitude					
8	Floating population					

49. Hiring charges for collection of garbage collection

1. Are you willing to pay for collection service?

1. Yes 2. No

2. If No Reasons for not willing to pay for collection service

1. Improvement will not happen 2. We don't need collection service 3. Already paying tax
4. Don't want to afford 5. They are getting salary

3. If you are willing percentage of amount that can afford

1. 5-10% 2. 11-15% 3. Above 15%

3. Suggested method to collect fee for solid waste management-----

4. Suggest the method to collect the collection service -----

50. KNOWLEDGE ON WASTE MANAGEMENT

Knowledge on storage of solid waste

1. Do you know about to store the waste in to bio and non-biodegradable waste?

1. Yes 2. No

2. Do you know Plastic waste should be put in recycle bin?

1. Yes 2. No

3. Do you know that vegetable and fruit peel, food waste should not throw in open place?

1. Yes 2. No

4. Do you know there is separate disposal bin for adult napkins and diapers?

1. Yes 2. No

5. Do you know E waste can be store in recycle bin?

1. Yes 2. No

6. Glass material should be placed carefully before disposing?

1. Yes 2. No

II. Process of solid waste management

1. Do you know about methods involved in solid waste management?

1. Yes 2. No

2. Do you know Biodegradable waste involve biological treatment and used in many ways?

1. Yes 2. No

3. Do you know bio gas is used as fuel consumption?

1. Yes 2. No

4. Do you know biogas can be done by cow dung and human excreta also?

1. Yes 2. No

5. Do you know composting is one of the process in solid waste management?

1. Yes 2. No

6. Do you know vermicomposting is a product of composting process using various worms?

1. Yes 2.No

7. Do you know disposal Bins are differentiated according to colour of bin?

1. Yes 2. No

8. Do you know green color of disposal bin is used for biodegradable waste?

1. Yes 2. No

9. Do you know blue color disposal bin is for Non-biodegradable waste?

1. Yes 2. No

10. Do you know 3 R's (Recycle, Reduce, Reuse) is important process in solid waste management?

1. Yes 2. No

11. Do you think improper waste management leads to serious environmental problem?

1. Yes 2. No

12. Do you think that use and throw products and use of plastic carry bags and bottles degrade environment?

1. Yes 2. No

13. Do you think that improper management of solid waste is responsible for epidemic like Chikungunya, Dengue etc?

1. Yes 2. No

14. Do you think throwing waste leads to Unsanitary Conditions and Clogging of drain results in health hazards?

1. Yes 2. No

15. Do you have an idea about 3 R's (Reduction Reuse and Recycling):

1. Yes 2. No

16. Do you think that public education programmes leads to Successful solid waste Management

1. Yes 2. No

52. Attitudes towards Waste Management

Generation of waste	SD	D	N	A	SA
While purchase of materials I care about 3 R's (Redue, Recycle, Reuse)					
I encourage waste reduction at source itself					
Reusing plastic bags for shopping is good for waste reduction					
Prefer to choose Recyclable materials					
Collection of waste					
Regular collection of solid waste is one of the important aspect in garbage problem					
Picking plastic waste to selling helps to manage waste					
Willing to pay fee to collection service					
Daily collection of waste can minimize the waste management					
Transport and transfer of waste					
I help to sort out and transfer the waste to proper place.					
Transport of waste is vital part in solid waste management					
I use large bin and helps to manage transfer of waste					
Proper collection and transfer of waste needs effective mechanism					
Disposal of wastes					
Disposing of wastes into garbage bin is responsibility for everyone.					

Improper disposal of waste leads to health hazards.					
Improper Incineration of waste leads to air pollution.					
Throwing of waste in roads, drains, open space because they lack in spacious for disposal and leads to clogging of waste					

53. Practices towards waste management

Sorting of waste	Never	Some time	All the time
I sort biodegradable and non-biodegradable waste			
I sort recycleable and non-recycleable waste			
I sort harmful and hazardous waste			
Waste reduction			
I will not throw the waste on open place			
I buy only what I need			
I am cautious and responsible to every waste I generate			
Reuse of waste			
I reuse papers			
I reuse old cloth materials			
I reuse containers			
I reuse plastic covers			
I use washable instead of disposable diapers/napkins			
Disposal of waste			
I will not throw or dump the waste in improper way			
I will not incinerate the waste in common places			
I dispose the waste in garbage container			
I practice home composting			
I sort the waste before disposal			
I dispose harmful and hazardous waste in specific container			