

APPENDIX I

I.1 Commitment Scales utilized in Pilot Study.

A. Commitment Scale I.

The following question aims at finding out what you and your family would be willing and determined to do to achieve your family's expected level of living oriented energy goals (Type I goals).

Key for response categories:

DWF = Definitely would follow.

WF = Would follow.

U = Uncertain.

WN = Would not follow.

DNF = Definitely would not follow.

Please indicate the extent of willingness and determination to follow these lines of action, if by doing so, your family could attain its level of living oriented energy goals (Type I goals), by specifying the appropriate response category.

1. Wife work full time outside the home.	DWF	WF	U	WN	DNE
2. Wife work part time outside the home.	DWF	WF	U	WN	DNF
3. Family engage more in household production of food.	DWF	WF	U	WN	DNF
4. Family repair its own household equipment.	DWF	WF	U	WN	DNE
5. Husband work far away from home to earn a higher income.	DWF	WF	U	WN	DNF
6. Husband work overtime.	DWF	WF	U	WN	DNF
7. Family start nursery or day care centre for children.	DWF	WF	U	WN	DNF
8. Family leave its present community and stay elsewhere.	DWF	WF	U	WN	DNF
9. Family spend leisure at home.	DWF	WF	U	WN	DNF
10. Adults not visit the doctor unless very sick.	DWF	WF	U	WN	DNF
11. Children not visit the doctor unless very sick.	DWF	WF	U	WN	DNF
12. Family visit home town less frequently than before.	DWF	WF	U	WN	DNF
13. Family cut down expenditure on gifts.	DWF	WF	U	WN	DNF
14. Limit the number of children in the family.	DWF	WF	U	WN	DNF
15. Family tailors more clothing at home.	DWF	WF	U	WN	DNF
16. Husband takes on more responsibilities.	DWF	WF	U	WN	DNF

17. Husband gives up spare time.	DWF	WF	U	WN	DNF
18. Family spend less money than before on private tuition.	DWF	WF	U	WN	DNF
19. Family cut down expenditure on transportation.	DWF	WF	U	WN	DNF
20. Family use community facilities for recreation.	DWF	WF	U	WN	DNF
21. Family move to a smaller and cheaper house.	DWF	WF	U	WN	DNF
22. Family spend less on vacation trips than before.	DWF	WF	U	WN	DNF
23. Family leave its friends in the present community.	DWF	WF	U	WN	DNF
24. Family move to a community (area) where most of the families are of a different socio-economic background.	DWF	WF	U	WN	DNF
25. Family move to a community (area) where ones own people are not present.	DWF	WF	U	WN	DNF
26. Family contribute less than before to charities.	DWF	WF	U	WN	DNF
27. Family contribute less to voluntary savings programme than before.	DWF	WF	U	WN	DNF
28. Family cut down on clothing expenditure.	DWF	WF	U	WN	DNF
29. Family reduce the expenditure on household equipment and tools (utensils, pans, spoons, etc.).	DWF	WF	U	WN	DNF
30. Family cut down the expenditure on paid domestic servants.	DWF	WF	U	WN	DNF

31. Family spend less on news paper, story books, magazines, etc.	DWF	WF	U	WN	DNF
32. Family make less number of visits to the beauty saloon and hair cutting saloon.	DWF	WF	U	WN	DNF
33. Family cut down expenditure on commercial laundry (dry cleaning, dhobi charges).	DWF	WF	U	WN	DNF
34. Family reduce its expenditure on clubs.	DWF	WF	U	WN	DNF
35. Family reduce meals/food taken outside the home.	DWF	WF	U	WN	DNF
36. Family cut down the expenditure on utility items like electricity, water, cooking gas, etc.	DWF	WF	U	WN	DNF
37. Family spend less on housing expenditure than earlier.	DWF	WF	U	WN	DNF
38. Family provide low wattage rated bulbs to cut down expenditure on electricity	DWF	WF	U	WN	DNF
39. Family cut down expenditure on all the food related items.	DWF	WF	U	WN	DNF
40. Family move to a house in an undeveloped area.	DWF	WF	U	WN	DNF
41. Family spend less than before on interior decoration (e.g. furniture, furnishing, accessories).	DWF	WF	U	WN	DNF
42. Family spend less than before on entertaining friends.	DWF	WF	U	WN	DNF
43. Family reduce expenditure on toys and sports goods.	DWF	WF	U	WN	DNF
44. Family do home repair by itself rather than call paid service.	DWF	WF	U	WN	DNF

Is there anything else that your family would do?
If so please let me know.

B. Commitment Scale II.

The following question aims at finding out what you and your family are willing and determined to do to achieve your expected energy conservation oriented goals (Type II goals).

Key for response categories:

DWF = Definitely would follow.

WF = Would follow.

U = Uncertain.

WN = Would not follow.

DNF = Definitely would not follow.

Please indicate the extent of willingness and determination to follow these lines of action, if by doing so, your family could attain its energy conservation oriented goals (Type II goals), by specifying the appropriate response category.

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|--|-----|----|---|----|-----|
| 1. Many members share the same room while working so as to make use of common lighting and fans. | DWF | WF | U | WN | DNF |
| 2. Family use energy efficient cooking pans (eg. pans of good conductors of heat, proper diameter, etc.) | DWF | WF | U | WN | DNF |
| 3. Family cook for more than one meal at a time. | DWF | WF | U | WN | DNF |
| 4. Family use less such fabric that require more energy to maintain. | DWF | WF | U | WN | DNF |
| 5. Family pursue such recreational activities that need little or no commercial energy. | DWF | WF | U | WN | DNF |

6. Family use fans, lights etc. only when necessary.	DWF	WF	U	WN	DNF
7. Family buy a vehicle consuming less energy (eg. moped instead of scooter, scooter instead of car).	DWF	WF	U	WN	DNF
8. Family ^{make} less number of social visits to places far from home.	DWF	WF	U	WN	DNF
9. Family reduce the social gatherings it holds.	DWF	WF	U	WN	DNF
10. Family stay more at home during leisure time.	DWF	WF	U	WN	DNF
11. Family use energy efficient equipment or appliance.	DWF	WF	U	WN	DNF
12. Family adopt simple living.	DWF	WF	U	WN	DNF
13. Family switch off gadgets when not in use.	DWF	WF	U	WN	DNF
14. Family use surface units (stove) in such a manner to avoid wastage of energy.	DWF	WF	U	WN	DNF
15. Family use the most of day light to perform tasks.	DWF	WF	U	WN	DNF
16. Family use electric gadgets with automatic devices.	DWF	WF	U	WN	DNF
17. Family use functional lighting.	DWF	WF	U	WN	DNF
18. Family cook less of elaborate meals than before.	DWF	WF	U	WN	DNF
19. Family use less of gadgets for household work.	DWF	WF	U	WN	DNF
20. Family use such surface units (stoves) as will give the greatest efficiency in energy use.	DWF	WF	U	WN	DNF
21. Family visit less far away market.	DWF	WF	U	WN	DNF
22. Family check meal preparation to avoid wastage of fuel.	DWF	WF	U	WN	DNF

23. Family use bicycle more often than automobiles.	DWF	WF	U	WN	DNF
24. Family lower flame once food starts boiling.	DWF	WF	U	WN	DNF
25. Family use tight fitting lids for cooking pans to economise fuel consumption.	DWF	WF	U	WN	DNF
26. Family be alert while using gadgets to avoid energy wastage at the point of use.	DWF	WF	U	WN	DNF
27. Family use less of private transport.	DWF	WF	U	WN	DNF
28. Family put out stove rather than leave it on while collecting the next pan to be kept on stove.	DWF	WF	U	WN	DNF
29. Family switch off fans and lights soon after use.	DWF	WF	U	WN	DNF
30. Family walk down distances more often.	DWF	WF	U	WN	DNF
31. Family avoid reheating of food.	DWF	WF	U	WN	DNF
32. Family cook two to three items of food at a time in the same pan.	DWF	WF	U	WN	DNF
33. Family put out stove soon after use.	DWF	WF	U	WN	DNF
34. Family switch off cooking units a few minutes prior to removing pans to use the heat of the stove	DWF	WF	U	WN	DNF
35. Family make shopping list prior to going to the market to save unnecessary trips.	DWF	WF	U	WN	DNF
36. Family move to a house closer to work place to limit energy consumption on transport.	DWF	WF	U	WN	DNF

I.2 Reliability of Items on CS I and CS II.

Item No.	CS I Reliability on 44 Item Scale	Item No.	CS II Reliability on 36 Item Scale
*1	.358	*1	.488
*2	.335	*2	.610
3	.214	3	.203
*4	.377	*4	.520
*5	.395	*5	.442
*6	.598	*6	.283
*7	.386	*7	.583
*8	.262	8	.206
*9	.411	9	.001
*10	.524	10	.196
*11	.329	*11	.501
12	.193	*12	.263
*13	.488	*13	.584
14	.051	14	.141
15	.174	*15	.327
*16	.389	16	.020
*17	.485	*17	.610
*18	.366	*18	.361
*19	.331	*19	.644
20	.212	20	.088
*21	.710	21	.124
*22	.387	22	.069
*23	.502	*23	.342

Item No.	CS I Reliability on 44 Item Scale	Item No.	CS II Reliability on 36 Item Scale
*24	.449	*24	.508
25	.121	*25	.377
26	.219	*26	.477
*27	.303	*27	.378
*28	.448	*28	.425
29	.117	*29	.331
*30	.310	*30	.499
*31	.296	*31	.352
*32	.405	32	.239
33	.191	33	.212
*34	.373	*34	.601
35	.038	35	.222
36	.144	*36	.449
*37	.273		
38	.111		
*39	.359		
*40	.625		
*41	.358		
*42	.451		
43	.019		
44	.241		

*Items included in the final scale.