

APPENDIX I

INTERVIEW SCHEDULE TO ELICIT INFORMATION FROM ARCHITECTS/ INTERIOR DESIGNERS REGARDING REFURBISHMENT PROCESS AND ECO FRIENDLY TECHNIQUES USED IN THE PROCESS

A. IDENTIFICATION DETAILS

1. Professional details of the interviewee:

B. ABOUT THE FIRM

1. Name of the firm:

2. Ownership: Sole proprietorship Partnership Corporate

3. Name of the proprietor(s):

4. Year of establishment:

5. Built up area:

6. Building type: Owned Rented On lease

7. Initial investment for the firm in: Rs.

8. Yearly turnover of the firm: Rs.

C. PROJECT DETAILS

1. Designing process Manual CAD, If CAD, mention the software(s) _____

Details of adaptive reuse projects:

2. Do you take up adaptive reuse projects? Yes no. If no, reason _____

If yes please provide the following information:

3. Do you prefer new construction Refurbishment both

4. Which do you find more difficult to establish and satisfy the clients? _____

5. Number of refurbishment projects: completed _____ in progress _____

6. How do you charge for refurbishment and new construction projects?

Total contract Consultant fee %of total cost/labor cost

7. Do you consider any of the following while refurbishment and new construction projects? Vastu Feng shui any other, specify _____ none

8. Nature of refurbishments sought for by clients for adaptive reuse:

Minor/cosmetic Services Structural Major Complete

9. State the reasons why clients ask for refurbishment _____

10. Do refurbishment projects require any professionals, technicians and workers of special caliber? Yes no, if yes, please specify _____

11. What is the process of assessing the condition of the existing building before starting refurbishment? _____

12. On what basis do you recommend or change the systems (building envelope, structural, flooring, wall, finishes, lighting, ventilation, heating, cooling, electrical etc.) that were prevalent in the building before refurbishment? _____

13. What is the temperament of clients regarding the plans /ideas/schemes in refurbishment and new construction? _____

14. Sourcing the materials for refurbishment and new construction projects?

locally out station

15. What is your preference while selecting materials for refurbishment and new construction projects? _____

16. Temperament of clients regarding the investment/expenses made on the refurbishment and new construction project _____

17. Does the adaptive reuse structure require any special maintenance or after care when compared to a new structure? Yes no

18. What are the problems faced during the process of refurbishment for adaptive reuse?

D. CARBON FOOTPRINTS

1. Are you aware of the concept and consequences of the carbon footprints caused by the construction process? Yes no, If yes, suggestions _____
2. Do you consider the aspect of the carbon emissions generated during the construction process? Yes no
3. Have you calculated the carbon emissions caused during the construction processes? Yes no , If yes then please give relevant details _____

E. GREEN TECHNIQUES

1. Do clients ask you to implement green technology in the design and construction process? Yes no
2. Do you recommend or use green technology for
 New construction adaptive reuse and refurbishment projects Both none
3. What are the common methods or techniques used to save energy, water and the environment? _____
4. Give the common reasons by clients' for hesitation to adopt green technology and techniques _____
5. Why do clients choose to or agree to include green technology? _____

F. CLIENTELE

1. Services are provided to clients that are Local out station both
2. Clients attained through: Marketing tools Success of previous projects
 Recommendation from clients/friends/relatives others any other, specify _____
3. Advertising used: Magazines and newspapers Media - Radio, TV
 Exhibitions Just dial Yellow pages Any other, specify _____
 none
4. Any other important details worth specifying

APPENDIX II

INTERVIEW SCHEDULE TO ELICIT INFORMATION ON BUILDINGS ADAPTED FOR REUSE

A. IDENTIFICATION DETAILS

1. Professional details of the interviewee:

B. ABOUT THE ESTABLISHMENT

1. Name of the establishment:

2. Nature of use/operation/business:

3. Ownership : Sole proprietorship Partnership Corporate Government

4. Name of the proprietor(s):

5. Floor area:

6. No. of floors:

7. Type of building: Owned On lease Rented

C. PROJECT DETAILS:

1. Reason(s) to reuse an old building rather than constructing or buying a new

building for your business operations _____

2. Reason for choosing the particular building _____

3. Year in which the building was originally built _____

4. When was the building taken from its previous owner? _____

5. From when did you start reusing the building for current operations? _____

6. Purpose of the building when it was originally built _____

7. Intention/purpose at the time at which the building was bought _____

8. Use of the building at present _____

9. Level of refurbishment required _____

10. Why did you choose to refurbish the building? _____
11. How long did the process of refurbishment take? _____
12. Expenditure incurred for the process? _____
13. Name of the professional selected to refurbish the building? _____
14. Reason for choosing the particular professional for the project _____
15. Was the building chosen with a view to fit essentially the operational necessities of the business? Yes no
16. Was there anything specific that you wanted to be included in the design?
 Yes no If yes, please mention _____

D. GREEN TECHNOLOGY

1. Do you support the use of eco-friendly materials for construction? Yes no
 Please give detailed reasons _____
2. Has anything device or technology been implemented to save water and energy in the process? Yes no If yes, mention _____
3. Did the original building house any green techniques or eco-friendly components?
 Yes no If yes, please mention the components _____
4. Is the building equipped with devices for harnessing alternate sources of energy?
 Yes no If yes, please mention _____

E. REFURBISHMENT PROCESS

1. Which building components were Retained/ Repaired/Replaced/Removed/Introduced?

Components that were present when the building was bought	Mention whether Retained/Repaired/Replaced/Removed/Introduced

2. Among the various aspects stated below, which ones had to be changed, why and how?

Aspect	Problem ascertained	Solution implemented for improvement
Orientation of the building (Vastu)		
Usable space		
Natural ventilation		
Roominess		
Circulation routes		
Natural Lighting		
Potable water supply		
Emergency exits		

3. Have the setback provisions been maintained in the building? _____

4. Do the zoning ordinances allow for your current operations? _____

If not, what steps were taken to get approval? _____

5. Have you done anything to improvise the safety and structure of the building? Give relevant details _____

6. Was any extension needed – a wing / balcony/ room/floor/portico etc. specify? _____

7. Was the interior décor done by the professional or was done by self? _____

8. Is there anything to be taken care of or considered in particular regarding the maintenance and aftercare? _____

9. What were the problems faced by you during the execution of the entire project? _____

10. Is any component causing problems at present? Yes no, give details _____

11. From your experience, what are the advantages of reusing an existing structure?

12. What are the disadvantages of reusing an existing structure?

APPENDIX III

INTERVIEW GUIDE TO ELICIT INFORMATION THE DETAILS OF THE REFURBISHMENT PROCESS OF REUSED BUILDINGS

1. Identification details _____
2. History and Background of the firm _____
3. Design specifications that you wanted to be included in the design? _____
4. Has any device or technology been implemented to save water and energy in the building? Yes no If yes, mention _____
5. Is the building equipped with devices for harnessing alternate sources of energy?
 Yes no If yes, please mention _____
6. Details of all the refurbishment work done to the building _____
7. Were any of the components recycled or repurposed for reuse? Yes no
If yes provide details _____
8. Interior décor done by the professional or self? _____
9. What is the standout feature of this reused building? _____
10. Any other information worth mentioning _____

APPENDIX IV

CHECKLIST FOR ECO FRIENDLY PRACTICES

Categories	Requirement	✓ ✗ NA	Details
Site & Facility Management	Waste Collection & Disposal practices (segregation, recycling)		
Water Efficiency	Water Efficient Fixtures (water closets, faucets, taps and urinals)		
	Rain Water Harvesting		
	Waste Water Treatment		
	Waste Water Reuse		
Energy Efficiency	HVAC equipment (BEE star label)		
	Lighting fixtures (BEE star label)		
	On site Renewable Energy		
Other Green Concepts	Use of recycled materials or components		
	Use of low VOC paints		
	Isolation of Polluting Equipment & Systems		
	Facilities for the Differently Abled		
	Occupant Well-being Facilities(such as gymnasium, aerobics, yoga, meditation or any indoor / outdoor games)		
Innovation	Innovation in performance of existing building (intelligent services with sensors)		
	Involve green building accredited professionals in the project (design & implementation)		

* NA – Not Applicable