

Householder survey form

Mainstreaming Sustainable Social Housing in India project (MaS-SHIP) is a research initiative by Oxford Brookes University, The Energy and Resources Institute (TERI), Development Alternatives and UN-Habitat, and is supported by the Sustainable Buildings and Construction Programme of the 10-Year Framework of Programmes on Sustainable Consumption and Production (10-YFP). The project aims to develop a decision support tool for selection of sustainable building materials and systems in order to upscale the use of these in social housing. The primary use of this tool is to recommend building systems to government agencies (Housing agencies, Urban Local Bodies) so that they can be used at the state level under schemes such as the PMAY.

Purpose of the survey: As part of the project, we are gathering data about the performance of buildings materials and systems from manufacturers, housing developers and homeowners of social housing developments in India. This is to assess the potential for mass scale use of these building materials in social housing projects.

Please be assured that data is being collected for **research purpose only** and your assistance will be duly acknowledged in the knowledge documents to be produced in this project.

BASIC INFORMATION

Date		Time		Name of surveyor 1: Name of Surveyor 2:
House no. / floor				
Floor area				

Number of rooms

	0	1	2	3	4
Total rooms					
Kitchen/utility space					
Separate Toilet					
Separate Bath					
Combined toilet+ bath					
Verandah/balcony					
Any other					

Any other details which you might observe about the house layout.

1. Household information

a) How long have you lived in this house/locality? <i>Note: Should be atleast 5-6 months</i>										
b) Number of occupants in household: <i>Note: In case homeowner hesitant, ask a rough estimate (eg. 7 -9 members) and mention the upper limit of the range in the total number of members</i>										
		0	1	2	3	4	5			
Infants (<3 years old)										
Children (<18 years)										
Adults (19-59 years)										
Elderly (>60 years)										
c) In 24 hours, what is the average number of hours spent in the house on a daily basis?										
	< 4	4-6	6-8	8-10	10-12	12-14	14-16	16-18	18-20	>20
Infants (<3 years old)										
Children (<18 years)										
Adults (19-59 years)										
Elderly (>60 years)										
d) Monthly income What percentage of your income is spent on rent?		<than half			About half			>than half		

For descriptive answers choose other, eg. percentages, rent not being a fixed amount, hesitant to share details etc.

Any other details/notes (other observations by the surveyor and key statements that the home-owner might have made).

e) What is the average electricity bill? (in INR)

Request for the electricity bill, if available. Click a picture after taking permission from the home-owner

2. Indoor environment

How comfortable do you find your home through the seasons?

How comfortable do you find your home in SUMMER?	Summer			
a) Indoor temperature:	<u>Unsatisfactory</u>	<u>Bearable</u>	<u>Satisfactory</u>	<u>Other</u>
b) Air quality:	<u>Stuffy</u>	<u>Bearable</u>		<u>Fresh</u>

c) Air movement:	<u>Still</u>	<u>Well-ventilated</u>	<u>Draughty</u>
Overall conditions:	<u>Unsatisfactory</u>	<u>Bearable</u>	<u>Satisfactory</u> <u>Other</u>

Any specifics about air quality and air movement in summers? eg. stuffy in one room and draughty in another, not enough ventilation etc.

How comfortable do you find your home in WINTER?	Winter			
Indoor temperature:	<u>Unsatisfactory</u>	<u>Bearable</u>	<u>Satisfactory</u>	<u>Other</u>
Air quality:	<u>Stuffy</u>	<u>Bearable</u>	<u>Fresh</u>	
Air movement:	<u>Still</u>	<u>Well-ventilated</u>	<u>Draughty</u>	
Overall conditions:	<u>Unsatisfactory</u>	<u>Bearable</u>	<u>Satisfactory</u>	<u>Other</u>

Any other details/notes? Eg. House not used for few months during the year etc.

3. Strategies adopted for indoor comfort.

How is thermal comfort accommodated?

- a) **What is used on windows during summers?** To avoid harsh sunlight and to regulate the amount that penetrates into the house

Curtains	Outside blinds	Inside blinds	Screen
Chick	Netting	None	Other

Any other details/notes

- b) **What are the cooling strategies adopted during summers.**

Evaporation cooling (sprinkling water on the floor, using coolers)	Natural ventilation (opening windows at night)	Ceiling fan	Air Conditioner
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Any other details/notes

- c) **Is any strategy adopted during winter?**

Yes/No Other _____

4. Artificial lighting

- a) **Is artificial lighting necessary during the day?** *Choose 'other' in case lighting is not needed due to no one being at home during the day
 Yes/No Other

5. Dampness

a) Is there any dampness in the house?	Yes		No	
b) Where is the dampness located?				
c) What do you think could be the cause?	Leaking of pipes	Building material is not water resistant	Improper construction workmanship	Poor design

Any other details/notes

6. Maintenance and Repair

a) Is the maintenance of the common areas and building regularly done?	Yes		No		
b) Do you pay into a resident's welfare association to cover maintenance costs for common areas, service connections and the building itself?	Yes		No		
c) What is your experience with respect to the building materials used? Any issues with options mentioned?	Satisfactory experience	Aesthetics/material finish	Nailability	Adding/changing electrical points	Inability to access pipe work for plumbing repair work

7. Does your house have convenient access to essential facilities?

- a) **Is the proximity to employment convenient?**

Yes/No

- b) **How much time does it take to travel to work?**

0-20 minutes	20-40 minutes	40 minutes-1 hour	1 hour and above
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- c) **Availability of conveyance**

Own vehicle	Access to public transport	Walking distance	Availability of conveyance is an issue
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Any other details/notes

d) Is the proximity to other essential services such as school/ hospital convenient?

Yes/No

e) Availability of conveyance the school students (only till 12th standard not colleges)

No school going children in this household	Own vehicle	School bus	Public transport	Walking distance
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Availability of conveyance is an issue

f) How much time does it take for daily travel to school?

0-20 minutes	20-40 minutes	40 minutes-1 hour	1 hour and above
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g) Availability of conveyance for hospital and other essential services

Own vehicle	Access to public transport	Walking distance	Availability of conveyance is an issue
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