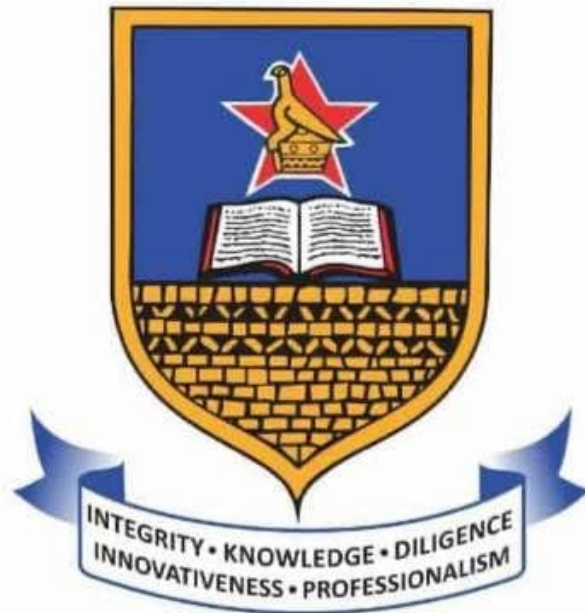


University of Zimbabwe



UNIVERSITY OF ZIMBABWE

Faculty : **Engineering and the Built Environment**
Department : **Construction and Civil Engineering**
Programme : **Bachelor of Science Honours Degree in Civil Engineering**
Module : **Investigative Research Project (CENG201)**
Title : **Survey Questions for Assessing the Uptake of Sustainable Construction Materials in Harare.**
Supervisor : **Eng. Nyereyemhuka**
Student names : **Jabulani Farai Mutezo R213343E**
Graham Zvirewo R213359R
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Declaration

This survey is conducted by Level 2 Civil Engineering Students at the University of Zimbabwe.

The responses obtained from this Survey are solely for educational purposes and are to be used for research towards sustainable materials in Harare at the University of Zimbabwe.

Contact details

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Instructions

Kindly fill in the questions asked in the blue table provided below.

Questions

1. Please state the name of this company and how long it has been in business for.

i

2. We know you are involved in building construction. What projects are you currently involved in?

i

i.

3. Please give an outline of the materials you use (quantities per month) and if possible, where they are procured from.

i

Material	Quantity per month	Source of procurement

4. What are the main factors that influence your decision to use particular construction materials?

i

i.

5. What is the most common challenge your company faces during the construction process?

i

6. Challenges faced with the following materials:

For each material, please specify challenges:

- in the procurement.
- In the waste disposal.
- In the process technology.

i

Material	Procurement	Disposal	Process Technology
Bricks			
Cement			
Wood			
Steel			
Aluminum			
Fine Aggregate			
Coarse Aggregate			

7. What steps does your company take to minimize environmental impact during construction projects?

i

i.

8. Please elaborate on how the term "sustainable" applies to your field and your company.

i

9. Have you ever used sustainable construction materials in your projects? If yes, which ones?

i

10. Have you ever encountered any technical challenges when using sustainable construction materials? If yes, what were they?

i

i.

11. What are the main barriers to the adoption of sustainable building construction materials in Harare, and how can these barriers be overcome?

i

i.

12. Are you aware of the applications of the following materials in the construction industry:



- a. Mass timber?
- b. Bendable concrete?
- c. Bamboo?
- d. Recycled materials?
- e. Fine concrete blocks?
- f. Straw bales?
- g. Agro waste?
- h. Recycled steel?
- i. Geopolymer foam concrete?
- j. Reclaimed wood and plastic?

13. Are you currently implementing any of the above-mentioned technologies/materials?



14. Would your company be willing to implement any of the above-mentioned materials? If not please indicate the possible reasons for their stance against adopting these materials.



15. What are your recommendations for promoting the uptake of sustainable building construction materials in Harare?



16. How do you think the government and other stakeholders can support the uptake of sustainable building construction materials by construction companies?



17. How do you think the government and other stakeholders can support the uptake of sustainable building construction materials by construction companies?



Final Remarks

Thank you for your participation in our survey. Please leave your contact details if you would want the results of this research to be made available to you.

