APPENDIX A: COVER LETTER



University of Johannesburg

Faculty of Engineering and the Built Environment

Department of Construction Management and Quantity Surveying,

Doornfontein, 2028

2020.

TO WHOM IT MAY CONCERN

Dear Sir/Madam

LETTER OF INVITATION FOR RESEARCH SURVEY

This research project is an M-Tech study being conducted at the Department of Construction Management and Quantity Surveying, University of Johannesburg, South Africa. The research topic is **A holistic assessment of construction and demolition waste management in the Nigerian construction projects.**

To answer this questionnaire, you will not spend more than 15 minutes of your time. Your response is of the utmost importance to achieving the objectives of this research study. Furthermore, to maintain anonymity, please do not enter your name or contact details on the questionnaire

Please answer the questions truthfully and sincerely in order to achieve reliability and validity of the research findings.

Should you wish to know the findings of the research, you are welcome to contact Ademilade Aboginije at +27736407866 or at aboginijeademilade@gmail.com. The faculty will gladly send you a summary of the results.

Thank you in advance.

Ademilade Aboginije

QUESTIONNAIRE ON A HOLISTIC ASSESSMENT OF CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT IN THE NIGERIAN COSTRUCTION PROJECTS

INSTRUCTIONS:

Please answer the following questions by crossing (x) on the relevant block or writing down your answer in the space provided.

EXAMPLE of how to complete this questionnaire:

Your gender? If you are female:

Male	1
Female	X 2

SECTION A - BACKGROUND INFORMATION

This section of the questionnaire refers to background or biographical information. Although we are aware of the sensitivity of the questions in this section, the information will allow us to compare groups of respondents. Once again, we assure you that your response will remain anonymous. Your cooperation is appreciated.

1. What is your Gender?

Male	
Female	
Non-discriminatory gender	

2. Which of the following best describes your profession in the Nigerian construction industry (choose one option only)?

Civil Engineer	
Builder	
Quantity Surveyor	
Project Manager	
Architect	

3. Which of the following are the categories of projects involved in for the past two (2) years?

Civil Works	
Government Offices	
Housing Estates	
Hospitals	
Renovations (Residential, Civil etc.)	
Road Constructions	
Stadia	
Shopping Complexes	

4. Have you been involved in construction and demolition waste management practices in the past two (2) years?

Yes	
No	
Not Sure	

5. How many years of experience do you have in the Nigerian construction industry?

0 – 5 years	
6 – 10 years	
11 – 15 years	
16 – 20 years	
21 – 25 years	
More than 25 years	

6. What is your highest educational qualification?

Higher National Diploma	
B-Degree	
M-Degree	
Doctoral Degree	

7. Which of the following firm types do you currently work for?

Consultant	
Contractor	
Government	
Private Organization	

8. What is the number of construction projects you have been involved in for the past two (2) years?

None	
1-3 projects	
4-6 projects	
7-9 projects	
10-12 projects	
13-15 projects	
More than 15 projects	

SECTION B: CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT STRATEGIES IN THE NIGERIAN CONSTRUCTION PROJECTS

This section of the questionnaire assesses the strategies utilize in order to minimize construction and demolition waste in the Nigerian construction projects.

11. Based on your experience with construction and demolition waste management, to what extent have the following construction and demolition waste management strategies is been implemented in the Nigerian construction projects?

Kindly, indicate your answer using the following 5-point Likert scale where: 1= To No Extent; 2= Small Extent; 3= Moderate Extent; 4= Large Extent; 5= Very Large Extent.

C&DW MANAGEMENT STRATEGIES		**To No Extent**	**Small Extent**	**Moderate Extent**	**Large Extent**	**Very Large Extent**
1	Provision of detailed information on drawings					
2	Off-site preparation, pre-assembly and prefabrication					
3	Government intervention through landfill tax					
4	Use of standard dimension and sizes in design					
5	Creating awareness among contractors					
6	Avoiding frequent design changes					
7	Establishment of waste separation and collection techniques					
8	Appropriate specifications on reusable, reclaimable and recycled materials					
9	Provision for deconstruction and disassembly in the design Phase					
10	BIM Implementation					
11	Avoidance of late drawings, revisions and Submissions					
12	Adding waste minimization in contractual clauses					
13	Improving the on-site waste management plan					
14	Provision for waste efficient procurement in the design phase					
15	Reduction of waste at the material source					
16	Re-use of materials as backfills					
17	Provision for off-site construction in the design phase					
18	On-site sorting of materials					
19	Provision for material optimization in the design Phase					
20	Complete and unambiguous contract documents					

Thank you for your cooperation in completing this questionnaire.