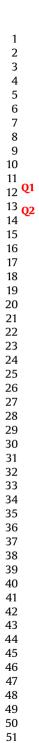
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Data in Brief 🛛 (💵💵) 💵-💵



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ABSTRACT

Data in this article describes logistics management on construction

sites in Abuja, Nigeria. Data was elicited from 55 construction

professionals comprising of Architects, Builders, Civil Engineers,

Project Managers and Quantity Surveyors. The Data set in this

study consists of responses on: factors affecting material purchase

on construction sites, factors affecting accuracy of material deliv-

ery, challenges encountered during material delivery, benefits of

material delivery on construction sites and methods of forecasting

material demand on construction sites. This article provides

insight into logistics management on construction sites in Nigeria

and it can be a useful guide for similar research in other contexts.

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Data Article

Dataset for material logistics on construction sites

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56	Experimental factors	Random Sampling
57	Experimental features	Descriptive statistics
58	Data source location	Abuja, Nigeria
59	Data accessibility	Data is included
60 61 62 63 64	Value of the data	
65 66	• The data provides insight into the significant factors affecting material purchase on construction sites	
67	 From the data, factors affecting accuracy of material delivery on construction sites can be obtained 	
68 69	 The data presents critical factors to be considered in choosing a material handling equipment on construction sites. 	
70	 From the data, the challenges associated with material logistics on construction sites are identified. 	
71	• The data in this article can be modified for use in other context.	
72		
73		
74 75		
75 76	1. Data	
70	Data for this article was solicited from cons	struction professionals in Abuia Nigeria
78 <mark>Q3</mark>		s affecting material purchase on construction sites. The
79	factors are: material quality (4.87), material price (4.71), volume of order (4.15), reputation of man-	
80	ufacturer (4.15), waiting time (3.85), competence of purchasing officer (3.76) and sales discount	
81	(3.53).	
82	Fig. 2 highlights the mean of the factors affecting accuracy of material delivery on construction	
83 84	sites. These factors include: failure from supplier (3.67), order error (3.58), use of uncommon	
84 85	materials (3.51), altering work sequence (3.47)	and payment delay (3.04).
86		
87		3.53
88	Sales discount	
89		
90	Competence of purchasing officer	3.76
91	competence of purchasing officer	
92		3.85
93 94	Waiting time	
94 95		
96	Reputation of manufacture/supplier	4.15
97	Reputation of manufacture/supplier	
98		4.15
99	Volume of order	
100		
101	Mathemial union	4.71
102	Material price	
103		4.87
104 105	Material quality	
105		
100		0 1 2 3 4 5 6

2

Data format

55

108

Raw

Fig. 1. Factors affecting material purchase.

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