

James Harrison

17/ENG03/024

SUBMITTED TO

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SHORT TEST

SOLUTION

**Question 2.**

**Bill of Engineering Measurement and evaluation (BEME) for 2-bedroom apartment**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Serial No. | Description | Qty. | Unit | Rate (Naira) | Amount in Naira |
| 1 | Evacuation of land | 1200 | m | 400 | 100,000 |
| 2 | Provision of concrete for walls, slab, foundation, etc. mix (1:2:4) | 100 | $$m^{3}$$ | 100,000 | 1,000,000 |
| 3 | 100mm cement and Sand Rendering for internal wall and slab | 260 | $$m^{2}$$ | 100,000 | 500,000 |
| 4 | Interlocking | 100 | $$m^{2}$$ | 1000 | 200,000 |
| 5 | Finishes |  |  |  | 500,000 |
| 6 | Shovels | 55 |  | 6500 | 357,500 |
| 7  | Roofing | 200 |  | 6000 | 1,200,000 |
| 8 | Reinforcement  | 300 |  | 1000 | 300,000 |
| Total |  |  |  |  | 4,157,500 |
|  |  |  |  |  |  |
| Addition of 2% contingencies |  |  |  |  | 40,000 |
| Sub total |  |  |  |  | 4,197,500 |
| Addition of 10% VAT |  |  |  |  | 205,000 |
|  |  |  |  |  |  |
| Grand Total |  |  |  |  | 4,402,500 |
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