NAME : NMOYEM DIVINE JOSEPH

MATRIC NO : 18/ENG09/005

DEPARTMENT : AERONAUTICAL AND ASTRONAUTICAL ENGINEERING

CONSULTATION FOR THE REHABILITATION OF THE ALFA BELGORE HALL.

THE SCOPE OF WORK

THE PURPOSE OF THE PROJECT: The purpose of the project is the expansion of the Alfa Belgore hall to accommodate more students.

STEPS TAKEN TO ACHIEVE THIS PROJECT.

1. Evacuation of all equipments and materials from the hall.
2. Performing of structural test.
3. The proper performance of the work from the drawn up plan.
4. Finishing of the work.

TIMELINE: With everything being equal the time range of this project would be about 3 months.

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LIST OF HUMAN RESOURCES NEEDED

1. The Architects.
2. The Builder.
3. The Estate engineer.
4. The Structural engineer.
5. The Acoustic engineer.
6. The Quantity surveyor.

The lead consultant who is the consultant that directs the work of the consultant team and is the main point of contact for communication between the client and the consultant team. The lead consultant in this project is the Architect.

The reason the site is secured is essentially to protect the things in the environment majorly human activities from harm due to movement of building materials, machines and things falling from the building.

It is a sure way of keeping everybody around the project site safe from harm resulting from the construction site it is also used to reduce movement of people around the site in other to secure the construction materials.

PAYMENT SCHEDULE FOR THE PROJECT FOR A TOTAL ESTIMATED COST(TEC) OF 200 MILLION NAIRA.

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| TASK TO BE PERFORMED | PERCENTAGE OF (TEC) |
| Initial Mobilization | 30% |
| 50% of completion of project | 30% |
| 100% completion of project | 40% |
|  |  |

Note 10% of the TEC will be retained for a 6 months defects liability period.

BEME FOR THE PROJECT.

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| --- | --- | --- | --- |
| QUANTITY | UNIT OF QUANTITY | PRICE PER UNIT in NAIRA | TOTAL |
| Sharp sand | Tons | 130000 | 2 x 130000=260000 |
| Gravel | Tons | 5000 | 2 x 5000=10000 |
| Cement | Bags | 2500 | 2 x 2500=5000 |
| Reinforcements(rods) | tons | 100000 | 5 x 100000=500000 |
| Planks | Meters | 10000 | 10 x 10000=100000 |
| 3 inch and 4inch nails | Bags | 5000 | 3 x 5000= 15000 |
| Spanish tiles | Packs | 3000 | 200 x 3000=600000 |
| Metal Trusses | 1 unit | 6000 | 1000 x 6000= 60000000 |
| Glass windows | 1 unit | 10000 | 5 x 10000=50000 |
| Doors | 1 unit | 10000 | 4 x 10000=40000 |

The total price is 61,580,000 Naira

DEFINITION OF SOME TERMS

1. BEME: It means Bill of Engineering Measurement and Evaluation. It is used before, during and post-contribution to assess and value the cost of construction work.
2. DEFECT LIABILITY PERIOD: It is usually a 12 months time after construction of a project by which the contractor reserves the right to come back to the site to remedy any construction defects.10% is often set aside for this and is called retention fee.
3. ENVIRONMENTAL IMPACT ASSESSMENT: It is a tool for sustainable development, it integrates the principles of environmental protection with public participation. It is designed to identify the risks of a project to environmental and human well being and identify measures to eliminate and or integrate these risks.