NAME: KOSHOEDO- OLUSEGUN OLUWABUSOLA

DEPARTMENT: MECHATRONICS

MATRIC NO : 18/ENG05/028

COURSE CODE: ENG 284

PROJECT TITLE: REHABILITATION OF ALFA BELGORE HALL

SCOPE OF WORK:

Designing of the rehabilitated project

Demolition and temporary removal of old material: This includes:

Temporary removal of Mechanical Systems: such as air conditioners, sound systems, e.t.c.

Temporary removal of Electrical Systems: such as lighting wires, electric outlet systems.

Site Safety: this involves securing the site to prevent accident and damages

Building construction: This involves concrete making, block building, roof installing.

Building painting

Reinstallation of mechanical and electrical systems: The mechanical and electrical systems and other materials removed are either replaced or reattached

GRATTS CHART

****

PROJECT TEAM

\*Civil Engineers( Lead consultant and Team leader)

\*Mechanical Engineers

\*Electrical Engineers

\*Builders

\*Architects

\*Structural Engineers

\*Safety Engineers

\*Land Surveyors

REASON WHY SITE WAS SECURED

Site was secured in order to prevent onsite injuries and accidents and also prevent damage of facilities.

TOTAL COST

|  |  |  |  |
| --- | --- | --- | --- |
| Description | % of contract sum | Unit cost(₦) | Total cost(₦) |
| Consultancy fee | 15%  | 3,000,000 | 3,000,000 |
| Site preparation and clearing | 5% | 1,000,000 | 1,000,000 |
| Transportation | 12% | 2,400,000 | 2,400,000 |
| Miscellaneous | 10% | 2,000,000 | 2,000,000 |
| Profit | 20% | 4,000,000 | 4,000,000 |
| Total estimated cost |  |  | 20,000,000 |

|  |  |  |  |
| --- | --- | --- | --- |
| Description | % of contract sum | Unit cost | Total cost |
| Mobilization | 30% | 6,000,000 | 6,000,000 |
| 50% completion | 20% | 4,000,000 | 4,000,000 |
| Completion and handover | 40% | 8,000,000 | 8,000,000 |
| 6 months defect liability period | 10% | 2,000,000 | 2,000,000 |
| Total estimated cost |  |  | 20,000,000 |

BEME

A BEME is an abbreviation for Bill of Engineering Measurements and Evaluation. It is the current nomenclature for bill of quantities for civil engineering works.

Defect Liability Period

A defects liability period is the time period specified in the contract during which a contractor is legally required to return to a construction site or build to repaid any defects which have appeared in that contractor’s work since the date of construction.

Lead Consultant

They are the team leaders analyzing and reviewing proposals for the team, providing appropriate solutions to problems and making decisions on the way forward by acting as liaisons between the client and the consultancy team.

Project Life Cycle

The Project Life Cycle is the standard process by which teams achieve project success. . The Project Life Cycle provides a framework for managing any type of project within a business.

Environmental Impact Assessment (EIA)

Environmental Impact Assessment (EIA) is one of the environmental assessment tools being used worldwide to provide decision-makers and the concerned public with essential information to plan for environmentally sustainable economic development. It is a systematic analysis of projects to determine their potential environmental impacts and the significance of such impacts and to propose measures to mitigate the negative impacts.