**NAME: kifordu Benedict**

**MATRIC NO: 18/ENG06/036**

**DEPARTMENT: MECHANICAL ENGINEERING.**

**COURSE CODE: ENG 284.**

**COURSE: ENGINEER IN SOCIETY.**

**DATE : 10TH OF APRIL 2020**

**1. SCOPE OF WORK:**

**Project Name:** Alfa Belgore Hall renovation project

**Client:** Afe Babalola University.

**Project Sponsor:** Afe Babalola University.

**Address:** Afe Babalola University, Ado Ekiti.

**Timeline of project:** 3 months

**Interior of the building:**

1. Clean/scrape all windows and ensure proper operation. Replace non-functional windows.

2. Replace bathroom flooring and all damaged WC’s.

3. Fix and replace all outlets/covers as necessary.

4. Patch all walls and trim in preparation for paint.

5. Fix and replace all switches/switch-plate covers necessary (ensure matching colors and styles).

6. Replace flooring with ceramic tile and level floor where necessary.

7. Installation of overhead air conditioning vents.

**Exterior of the building:**

1. Replace all roofing sheets.

2. Expansion of underground septic tank for waste disposal.

3. Replace all doors of entry.

4. Leveling of ground and replacement of old paving stones with new ones

5. Clear the site.

**2.**

**3.) HUMAN RESOURCES:**

Must have up to 3 years experience with electrical works.

Must have a minimum 4 years experience in refurbishing.

Must have up to 3 years experience with plumbing.

Project Team

1.) Client.

2.) Consultant.

3.) Architect (Engineer).

4.) Contractor. (civil engineer).

5.) Subcontractor (mechanical engineer, electrical, painter, carpenter).

6.) Environmental Engineer. The client is the lead consultant.

**4. why was the site secured :**

The site was secured In order to reduce the risk to the **construction site.** There Is a need to increase the risk to the potential criminal. ... Deterrence – there **are** many ways to deter a criminal. Whereas an open, unprotected **site** looks welcoming to a potential criminal, a **site** with fences, locks, CCTV and security guards **will** discourage them.

**5.) BEME**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ITEM | DESCRIPTION | QUANTITY | UNIT | RATE$ | AMOUNT |
| 1 | Cement | 300 | Bags | 70000 | 70000 |
| 2 | Sand | 6 | Tons | 40000 | 40000 |
| 3 | Water | 450 | Gallons | 30000 | 30000 |
| 4 | Cables | 200 | Meters | 80000 | 80000 |
| 5 | Pipes | 80 | Meters | 6000 | 6000 |
| 6 | Consultancy fee |  | Naira | 350000 | 350000 |
| 7 | Transportation |  |  | 100000 | 100000 |
| 8 | Site preparation and clearing |  |  | 50000 | 50000 |
| 9 | Profit |  |  | 200000 | 200000 |
|  | Total |  |  | 926000 | 926000 |

**6.)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S/N | DESCRIPTION | SCHEDULE DATE | PERCENTAGE OF TEC (%) | AMOUNT | PAYMENT DATE |
| 1 | Mobilization | 30/02/2020 | 30 | 6 000 000 | 14/01/2020 |
| 2 | 50% completion | 16/03/2020 | 30 | 6 000 000 | 17/03/2020 |
| 3 | Completion and handover | 29/05/2020 | 30 | 6 000 000 | 29/05/2020 |
| 4 | Defect liability period | 12/10/2034 | 10 | 2 000 000 | 12/10/2020 |

7.) **BEME:**

A BEME review: definition and description. ... A BEME review is a description and evaluation of evidence pertinent to a clearly formulated topic/question that uses explicit scientific methodologies and methods to systematically identify, assemble, critically analyse and synthesise information relevant to the review topic.

**Defect liability period:**

The defects liability period (or 'DLP') is a fixed period of time, starting from the date of practical completion, during which the contractor has an express contractual right to return to the site to rectify defects.

During the defects liability period, typically:

the contractor has the right to return to the site to rectify defects or complete unfinished work;

the principal is entitled to continue holding security, to secure the contractor’s obligations in respect of incomplete or defective work; and

The superintendent continues to remain involved in the project.

Under some contracts, if the contractor rectifies a defect during the defects liability period, there will be a new defects liability period in respect of that rectification work.

**LEAD CONSULTANT:**

The lead consultant 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, except for on significant design issues where the lead designer may become the main point of contact.

PROJECT LIFE CYCLE: The Project Life Cycle refers to the four-step process that is followed by nearly all project managers when moving through stages of project completion. This is the standard project life cycle most people are familiar with. The Project Life Cycle provides a framework for managing any type of project within a business.

ENVUROMENTAL IMPACT ASSESSMENT (EIA): Environmental assessment is the assessment of the environmental consequences of a plan, policy, program, or actual projects prior to the decision to move forward with the proposed action.