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**MATRIC NO: 18/ENG02/005.**

**DEPARTMENT: COMPUTER  
ENGINEERING.**

**COURSE CODE: ENG 284.**

**COURSE: ENGINEER IN  
SOCIETY.**

## **1.) SCOPE OF WORK;**

13th Monday April 2020

Renovation of the Alfa-Belgore Auditorium

This project is to be spear-headed by a civil engineering, preferably one that specializes in structural aspect of the profession. The objectives of this project is to expand the size of the hall so that it can house twice the amount of its normal capacity, to rectify the poor ventilation system in the building, to renovates the building (i.e to fix up the leakages in the plumbing, cracking walls e.t.c).

## **2.) GANCHART**

MONTH	MARCH	APRIL	MAY	JUNE	JULY
RESEARCH					
PHASE 1 WORK EFFORT					
PHASE 2 WORK EFFORT					
PHASE 3 WORK EFFORT					
TESTING PHASE					

### **3.) HUMAN RESOURCES;**

Must have up to 3 years experience with electrical works.

Must have minimum 4 years experience in refurbishing.

Must have up to 3 years experience with plumbing.

#### **Project Team**

- Client. ( client is the lead consultant)
- Consultant.
- Architect(Engineer).
- Contractor.
- Subcontractor.

### **4.)RESEASONS AS TO WHY THE SITE IS SECURED**

To prevent unnecessary injuries to different persons. In order to reduce the risk to the construction site you 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.) B.E.M.E**

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE (\$)	AMOUNT
1	Cement	20	Bags	5000	5000

2	Gravel	2	Tons	8000	8000
3	sand	2	tons	5000	5000
4	Wood	50	planks	6000	6000
5	Cables	50	Yards	5000	5000
6	Pipes	50		5000	5000
7	Consultancy fee			1000000	1000000
8	Transportation			190000	190000
9	Site preparation and clearing			750000	750000
10	Profit			600000	600000
	Total			10000000	10000000

6.)

S/N	DESCRIPTION	SCHEDULE DATE	PERCENTAGE OF TEC(%)	AMOUNT	PAYMENT DATE
1	Mobilization	30/02/2020	30	3 000 000	14/03/2020
2	50% completion	16/03/2020	30	3 000 000	17/06/2020
3	Completion and handover	29/05/2020	30	3 000 000	29/08/2020
4	Defect liability period	12/10/2034	10	1 000 000	12/12/2020

## **7.) DEFINITIONS OF THE FOLLOWING**

**B.E.M.E:** Bill of Engineering Measurement and Evaluation (BEME) also referred to as 'Bill'; is a tool used before, during and post-construction to assess and value the cost of construction works. This includes the cost of materials, labor, equipment and all/any other resource(s) required for the success of.

**DEFECT LIABILITY PERIOD:** A defects liability period is a period of time following practical completion during which a contractor remains liable under the building contract for dealing with any defects which become apparent. ... A defects liability period is usually a period of around six or 12 months but it can vary depending on the contract used.

**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.

**ENVIROMENTAL 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.