

NAME: AMIOLEMEN EMMANUEL OSEGIE

MATRIC NUMBER: 18/ENG04/015

DEPARTMENT: ELECTRICAL ELECTRONICS ENGINEERING

COURSE: ENGINEER IN SOCIETY

COURSE CODE: ENG 284

SCOPE OF WORK

1. Understand why the project is initiated and its objective
2. Isolation of building from electric main line
3. Decommissioning the electrical system on the roof
4. Decommissioning all the security provisions like doors and windows
5. Construction stage
 - . Planning and controlling execution
 - . Construction and commissioning
 - . Final handling over to the client

GANTT CHART.

WBS	Task Name	Priority	End date	Start
1	Site clearing and fencing of site	NORMAL	Thu 07-May-20	Fri 01-May-20
2	Mobilization of equipment, materials and personnel's	NORMAL	Mon 11-May-20	Fri 08-May-20
3	Decommissioning of all electric works and plumbing works	NORMAL	Fri 22-May-20	Mon 11-May-20
4	Setting up of pillars, rebar's and decking wood	NORMAL	Sat 13-June-20	Fri 15-May-20
5	Setting up of block woods	NORMAL	Fri 22-June-20	Mon 08-Jun-20
6	Roof work, electrical work and plastering	NORMAL	Mon 15-June-20	Fri 12-Jun-20
7	Finishing touches	NORMAL	Tue 14-July-20	Wed 01-Jul-20
8	Decommissioning and clearing of site	NORMAL	Mon 20-July-20	Tue 14-Jul-20
9	Testing, commissioning and hand over	NORMAL	Fri 31-July-20	Tue 21-Jul-20

23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10
T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S



HUMAN RESOURCES

1. Carpenter
2. Surveyor
3. Roof tiller
4. Architect
5. Certifier
6. Plumber
7. Plasterers
8. Builders
9. Artisans
10. Civil engineers
11. Electrical engineers
12. Mechanical engineers

WHY IS THE SITE BEEN SECURED

1. The site is been secured to prevent object from flying around.
2. To prevent people from getting injured.
3. To prevent people from stealing equipment or materials
4. To prevent animals

BILL OF ENGINEERING MEASUREMENT AND EVALUATION

<i>S/N</i>	<i>TASK</i>	<i>MODULES</i>	<i>%</i>	<i>AMOUNT</i>
1	Miscellaneous	. Extra materials . Small payment . Fencing	10%	20,000,000
2	Consultancy Fee	. Architect . Consultant . Electrical personnel	15%	30,000,000
3	Site Preparation	. Clearing of rubes . Barricading . Removing of unwanted materials	5%	10,000,000
4	Transport cost	Mobilization and Demobilization, Importation of materials	12%	24,000,000
5	Profit		20%	40,000,000
6	Other expenses	. Final inspection	38%	76,000,000
				200,000,000

PAYMENT SCHEDULE

<i>S/N</i>	<i>DESCRIPTION</i>	<i>{%}</i>	<i>AMOUNT</i>
1	Mobilisation: . Workers . Materials	30%	60,000,000
2	30% of 50% completion: . Decommissioning of security provisions e.g. Doors, Windows	20%	40,000,000
3	Completion . Final commissioning	40%	80,000,000
4	Retain Tec for 6	10%	20,000,000

	months: . All electric connection working perfectly well, Plumbing and other facilities working well		
			200,000,000

BEME

{Bill of engineering measurement and evaluation }

This is a tool used before, during and after construction to assess and value the cost of construction work.

DEFECT LIABILITY PERIOD

This is a period of time following practical completion during which a contractor remains liable under the building contract for dealing with any defects, which becomes apparent.

LEAD CONSULTANT

A lead consultant is a consultant that directs the work of a 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

A project life cycle is a sequence of phases that a project goes through from ignition to its closure.

ENVIRONMENT IMPACT ASSESSMENT

This is an assessment of the environmental consequences of a plan, policy, program, or actual project prior to the decision to move forward with the proposed action

