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MATRIC NUMBER: 18/ENG04/026

DEPARTMENT: ELECT/ELECT ENGINEERING

COURSE: ENGINEER IN SOCIETY

COURSE CODE: ENG 284

SCOPE OF WORK

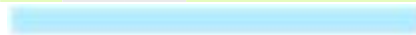
1. Barricade the site
2. Isolation of building from electric main line
3. Decommissioning the electrical system on the roof
4. Decommissioning all the security provisions like doors and windows
5. DE roofing the building
6. Clearing off rubes to designated areas

GANTT CHART

A Gantt chart is a chart a chart in which a series of horizontal lines shows the amount of work done or production completed in certain periods of time in relation to the amount planned for those periods.

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		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 NEEDED

1. Civil supervisor {Lead consultant}
 2. Electrical supervisor
 3. Mechanical supervisor
 4. Surveyor
 5. Architect
 6. Carpenter
 7. Iron bender
 8. Painter
 9. Plumber
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- a. **A surveyor** is a property specialist who can value a property, and assess it for any defects, future issues or problems.
 - b. **An architect** is a person who plans, designs, and reviews the construction of buildings. To practice architecture means to provide services in connection with the design of buildings and the space within the site surrounding the buildings, which have as their principal purpose human occupancy or use.
 - c. **A carpenter** is a person who works with wood. They can make cabinets, build houses, or do other things with wood.
 - d. **A plumber** is a tradesperson who specializes in installing and maintaining systems used for potable water, sewage and drainage in plumbing systems.
 - e. **An electrical supervisor** is someone who supervises the electrical aspect of the work
 - f. **Civil supervisor** is someone who supervises the construction of the building
 - g. **Mechanical supervisor** supervises the plumbing aspect

WHY IS THE SITE BEEN SECURED

The site is been secured to prevent object from flying around or getting people or students from been injured

BILL OF ENGINEERING MEASUREMENT AND EVALUATION

S/N	TASK	MODULES	PERCENTAGE	AMOUNT
1	Miscellaneous	. Bonus time . Feeding . Extra materials	10%	8,000,000
2	Consultancy Fee	. Doctors . Architect . Consultant	15%	12,000,000
3	Site Preparation	. Clearing of rubes . Barricading	5%	4,000,000
4	Transport cost	. Bringing of items to the site . Mobilization and Demobilization . Importation of materials	12%	9,600,000
5	Profit		20%	16,000,000
6	Other expenses	. Final inspection . Final testing . Cost of material and equipment	38%	30,400,000
				80,000,000

PAYMENT SCHDULE

S/N	ACTIVE DESCRIPTION	PERCENTAGE { % }	AMOUNT
1	Mobilisation: Personnel/ Equipment <ul style="list-style-type: none"> ➤ Civil supervisor ➤ Elect supervisor ➤ Architecture 	30%	24,000,000
2	30% of 50% completion: <ul style="list-style-type: none"> ➤ Decommissioning of electric system ➤ Decommissioning of security provisions e.g. Doors, Windows 	20%	16,000,000
3	Complete/ Commissioning: <ul style="list-style-type: none"> ➤ Finishing of civil work ➤ Finishing of electrical work ➤ Finishing and commissioning ➤ Final commissioning 	40%	32,000,000
4	Retain 10% for 6 months: <ul style="list-style-type: none"> ➤ All electric connection working perfectly well ➤ Plumbing and other facilities working well This is to ensure that after 6 months everything is working well.	10%	8,000,000
			80,000,000

BEME

{ Bill of engineering measurement and evaluation }

This is a description and evaluation of evidence pertinent to a clearly formulated topic/question that uses explicit scientific methodologies and methods to systematically identify information relevant OR it's 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. This period is between six months to twelve months.

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 initiation to its closure. A project life cycle can range from predictive or plan-driven approaches to adaptive or change-driven approaches.

ENVIRONMENT IMPACT ASSESSMENT {EIA}

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 OR This is a process of evaluating the likely environmental impact of a proposed project or development, taking into account inter-related socio-economic, cultural and human-health impacts, both beneficial and adverse.

