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MATRIC NO: 18/ENG02/058

ENGINEERING IN SOCIETY

PROJECT TITLE: CONSTRUCTION OF HOUSING SPACE WIRING AND INSTALLATION OF ELECTRICAL COMPONENTS

1. PROJECT MANAGEMENT:

The contractor shall perform the following project management and coordination service in accordance with the contractor's safety and quality plan including any revision agreed to in the contract. The contractor's project management responsibilities include, but are not limited to:

- (a) Overall management of the management of the work in accordance with the contractor's project execution plan;
- (b) Planning, controlling, and executing engineering, constructability, procurement, assemblies, transportation, construction, integration, and turnover plans to the extent necessary to achieve performance of the work;

PROCUREMENT-EXPEDITING-LOGISTICS

Procurement includes the procurement of all tagged and non-tagged equipment and material necessary for the construction of the work, includes safety system and other equipment and material required for completion of the work. The contractor shall be accountable for vendor interface, material management, expediting, and logistics management.

SUBCONTRACTING

Contractor shall

- (a) Manage subcontractors on the project site with respect to their planning, scheduling, allocation and assignment of construction resources, progress measurement and reporting

Monitor and inspect work performed by its subcontractor and confirm such work complies with the standard of performance project specification approved construction safety principles and the quality

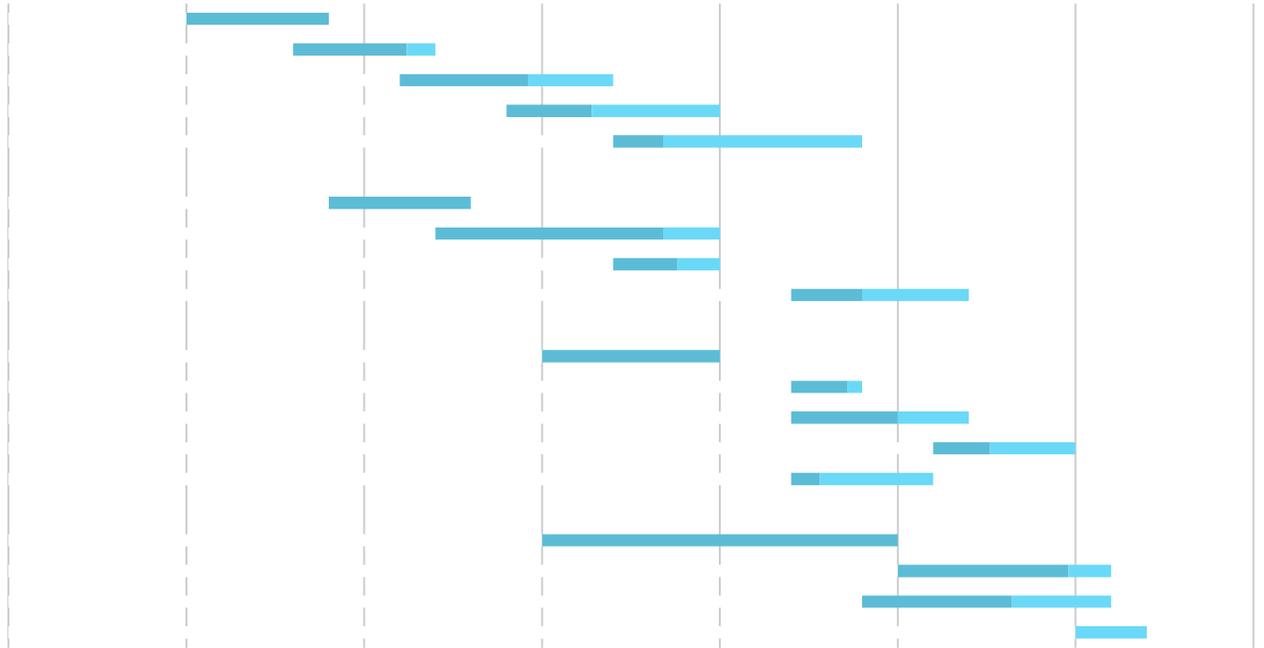
CONSTRUCTION

The contractor shall perform all work as described in this scope of the work and owners strategies, plans and procedures so as to provide all services required to construct, install, test and deliver a complete and operable facility.

The contractor shall provide all adequate and competent construction management, personnel, and supervision, staff, labor, construction planning, scheduling, documentation, construction quality, HSE and testing devices in order to complete the work in accordance with the standard of performance

The contractor shall be responsible for providing the following permits and approvals

2.



3. HUMAN RESOURCES

- Architect (lead consultant): for designing and supervision of project layout
- Material engineer for the development and testing of process materials to be used for the project
- Electrical engineer for the development, designing testing and management of manufactured components to be used during the projects life cycle
- Civil engineers for the design, fabrication, supply and installation of structures such as beams, pillars e.t.c
- Laborers for the preliminary work that involves little amount of specialization, the tedious and manual labor supervised by the architect or personnel in charge
- Technicians they are involved in the installation of some equipment or components used

- Project manager for the overall ensuring that the entire project is carried out according to plan, and to ensure that the proper documentation is done to avoid legal issues
- Carpenters for the construction of roofing structure

4.

Construction sites are often the target of theft and vandalism, but this kind of criminal activity is a big liability for construction companies. Equipment and tools are not just valuable and expensive to replace, but they are necessary to get the job done safely, properly and on schedule.

Security on construction sites is challenging because the area is constantly changing and the project involves a lot of different workers from various companies.

Unauthorized entry, theft and vandalism are major concerns, both for the construction company and for the property owner. Stolen or damaged equipment, tools and material is costly and can cause big delays in the work schedule.

HOW SITE WAS SECURED:

Port a strong fence around the perimeter of the site.

Maintain a clearance area along both sides of the perimeter fence.

Post signage that clearly states that people are not allowed into the site without proper authorization.

5.

THE PROJECTIONS	COSTS
AT 10%	15 MILLION
AT 15%	17 MILLION
AT 5%	3 MILLION
AT 12%	9 MILLION
AT 20%	25 MILLION

6.