

PROJECT: PROPOSED CONSTRUCTION OF WAREHOUSES AND OFFICE BLOCK BUILDING TO BE BUILT ON PLOT NO: 41, BLOCK AT KISARAWA II, KIGAMBONI MUNICIPAL - DAR ES SALAAM.

PROGRESSIVE REPORT:



PROJECT DATA.

PROJECT TITLE: PROPOSED WAREHOUSES AND OFFICE BLOCK BUILDING TO BE BUILT
ON PLOT No: 41, BLOCK No: AT KISARAWA II, KIGAMBONI
MUNICIPAL, DAR -Es- SALAAM

EMPLOYER: EUROPE INC INDUSTRIES LTD
P.O.BOX 105199,
DAR ES SALAAM

ARCHITECT: KENDA CONSULT
Architects, Planners, Interior designers
ARUSHA
kendaconsults@yahoo.com

CONTRACTUAL DATES

DATE OF COMMENCEMENT: 2019

DATE OF COMPLETION:

REVISED DATE OF COMPLETION: NIL

PROJECT INFORMATION

Proposed warehouses and office building project is approximated to occupy 10h which will have all modern facilities to set up for manufacturing factories,operational and management purposes.

Some of the outstanding features include

- Capacity to handle up to 6 manufacturing factories
- An office building
- Retail shops
- Staff houses
- Restaurant
- Storage godowns
- Enough parking lots
- Weigh bridge inside the area

A. PROJECT ANALYSIS

The project comprise of twosections that is

- i. The manufacturing section which comprises of factories, storage godowns etc
- ii. The management section which comprises of office building, staff houses, retail areas etc

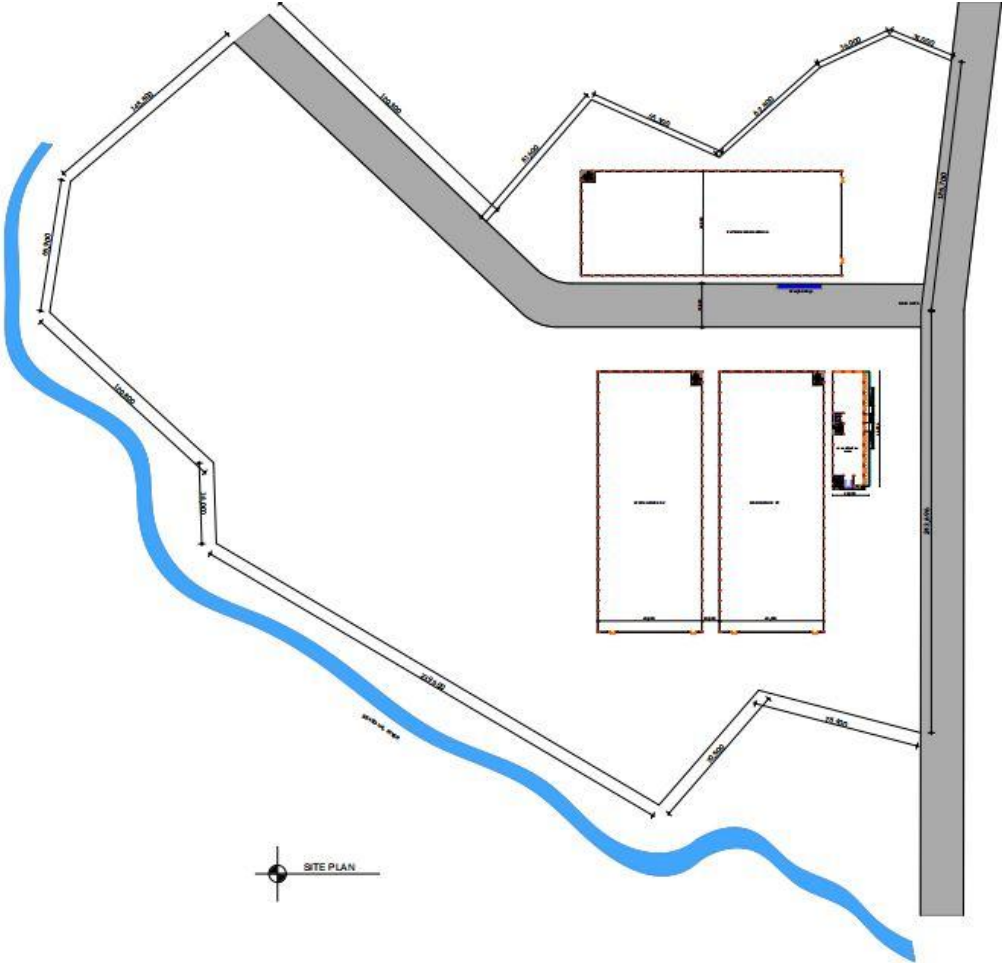


Photo showing the site layout plan

Safety status of Site.

1. The site is operated with great care and ensure safety measures are well taken to the labours. Site is supplied by safety gears and first aid kit in case of minor injuries.
2. The River

There is a river passing through the site which normally floods during heavy rainfalls.

For the safety of the workers and the site in general, a bridge will be constructed as a means of passage also the river will be safe-guarded by banning any human activities on the river

PROJECT SCOPE

The project is divided into three phases.

1. Phase I: Construction of Warehouse
2. Phase II: Construction of an office building
3. Phase III: Construction of staff houses
4. Phase IV: External Works

PROGRESS STATUS

Item	Status
SITE MOBILIZATION	
Site clearance	100%
Construction of temporary site offices	100%
Mobilization of site plants	100%
Site Hoarding	100%
Mobilization of materials at site	100%
PHASE I: WAREHOUSES	
1.0 SUBSTRUCTURE	
Building setting out	100%
Foundation footing excavation	100%
Strip foundation excavation	100%
Concrete casting of footing (base)	100%
Concrete casting of strip foundation	100%
Concrete casting of starter columns	100%
Construction of foundation wall.	100%
Backfilling of earth materials	100%
Hardcore filling	100%
Construction of Ground/plinth beams	100%
Installation of steel plates and Bolts	100%
Construction of oversite concrete	100%
2.0 SUPER STRUCTURE	
2.1 STEEL ERECTION	
Erection of framed structure i.e steel columns, beams and joists	100%
Installation of roof structure i.e decking sheets and roofing sheets	100%
Roofing and insullation	100%
Fixing of down pipes and gutters	0%

2.2 Construction of block walling	
Block walling	100%
Carcass works such as plumbing and electrical works	100%
Roofing	100%
2.3 Glass Works	0%
2.4 Services Installation	0%
2.5 FINISHES AND DECORATIONS	
Plaster work	0%
Painting	0%
Floor screed and tiles	0%
PHASE II: OFFICE BUILDING	
1.0 SUBSTRUCTURE	
Building setting out	100%
Foundation footing excavation	100%
Strip foundation excavation	100%
Concrete casting of footing (base)	100%
Concrete casting of strip foundation	100%
Concrete casting of starter columns	100%
Backfilling of earth materials	100%
Hardcore filling	100%
Construction of Ground/plinth beams	100%
Construction of oversite concrete	100%
2.0 SUPERSTUCTURE	
Formworking the columns	100%
Steel fixing the columns	100%
Concrete casting on the columns	100%
Block walling	20%
Formworking the ring beams	100%
Steel fixing of the ring beams	100%
Concrete casting on the ring beams	100%
Carcass works such as plumbing and electrical works	100%
Roofing	0%
3.0 FINISHES AND DECORATIONS	
Plaster work	0%
Painting	0%
Ceiling	0%
Floor screed and tiles	0%
Installation of windows	0%
Installation of doors	0%
Service Installation	0%
Construction of Aluminium partition walls	0%

PHASE III: STAFF HOUSES	
1.0 SUBSTRUCTURE	
Building setting out	100%
Foundation footing excavation	100%
Strip foundation excavation	100%
Concrete casting of footing (base)	100%
Concrete casting of strip foundation	100%
Concrete casting of starter columns	100%
Backfilling of earth materials	100%
Hardcore filling	100%
Construction of Ground/plinth beams	100%
Construction of oversite concrete	100%
2.0 SUPERSTRUCTURE	
Formworking the columns	100%
Steel fixing the columns	100%
Concrete casting on the columns	100%
Block walling	100%
Formworking the ring beams	100%
Steel fixing of the ring beams	100%
Concrete casting on the ring beams	100%
Carcass works such as plumbing and electrical works	100%
Roofing	100%
3.0 FINISHES AND DECORATIONS	
Plaster work	100%
Painting	0%
Ceiling	0%
Floor screed and tiles	0%
Installation of windows	0%
Installation of doors	0%
Service Installation	0%
Construction of Aluminium partition walls	0%
PHASE IV: EXTERNAL WORKS	
Backfilling	0%
Construction of pavings	0%
Designing the softscapes on ground	0%
Construction of a safety bridge along the river	0%

The general physical progress work of Substructure is 45%

WORKDONE AT SITE.

SITE MOBILIZATION.

The mobilization of the site was done prior to the beginning of the construction phase where by plants such as an excavator, roller, trucks were mobilized at site, a temporary office building was constructed, materials were brought to site and the site was well protected by constructing a site hoarding to keep the civilians aware of the construction site.



Photos showing the mobilization of plants at site



Photo showing a temporary site office

Photo showing the materials at site

1. WAREHOUSES CONSTRUCTED

PREPARATIONS.

The site was prepared by cleaning it, cutting down some bushes and grasses making it ready for excavation.

- FOUNDATION WORKS

Stage 01.

Excavation work: it started by excavating the specified footing as per structural engineer, cutting down the soil and removal of the black soil from ground in search of a more stable ground for the foundation footings to stand firm.

Construction of footings and starter columns:

Foundation block walling:

The construction of the foundation block walling then started and observing all the necessary requirements such as the expansion joint so as to allow the building to breath.

Then the foundation trenches were well back filled and well compacted.

Stage 2:

SUPERSTRUCTURE:

- ERECTION OF STEEL STRUCTURES (FRAMED STRUCTURE).

The steel framed structure was erected by the local technicians

The steel structures erected included steel columns, steel beams, erection of steel trusses, placing of purlins, bracing and cladding angles, and roofing the building.



Photo showing the framed steel structure of the warehouse buildings.



Photo showing the steel columns, beams, trusses and purlins erected at the warehouse buildings.

- BLOCK WALLING

Construction of block walling partition took place



Photo showing the warehouse building awaiting finishings and decorations such as the glass work, painting etc
Kigamboni Project

2. OFFICE BUILDING

Excavation work: it started by excavating the specified footing as per structural engineer, cutting down the soil and removal of the black soil from ground in search of a more stable ground for the foundation footings to stand firm. Then, it was followed by the construction of the sub structure.

SUPERSTRUCTURE:

- ERECTION OF CONCRETE STRUCTURES (FRAMED STRUCTURE).

This involved the construction of reinforced columns, beams and floor.



Photos showing the concrete framed structure of an office building.

- BLOCK WALLING

Construction of block walling partition started whereby it is done for about 10%



Photos showing the view of a floor area



Photos showing front view of the framed structure of an office building.

3. STAFF HOUSES BUILDING

The construction of the staff houses is 70% complete with all substructure and superstructure completely done.



Photo showing the staff houses constructed at site

4. EXTERNAL WORKS

This consists of the backfilling process the site at the parking zone.

The area ground area at the site is a swamp area that is the water table is close therefore during the external works the area needs to be highly treated especially for the hard landscape so as to avoid sinkage of the pavements,

And also it will require to be excavated to remove the black soil and be well backfilled with G7 materials at site for stability.



Photos showing the back filling process at the parking zone

CHALLENGES:

1. The excavation process had a great challenge because of the water due to the nature of the area which is a swamp area.
 - Therefore a great quantity of materials were used during the backfilling process so as to tackle that problem and getting the hardsurface which is more stable to hold the building.
2. Another challenge hindering the completion of this work is several rainfall periods which makes the working place slippery and hence not safe for the workers.
3. The delay of finishing materials that were ordered and purchased from abroad.

