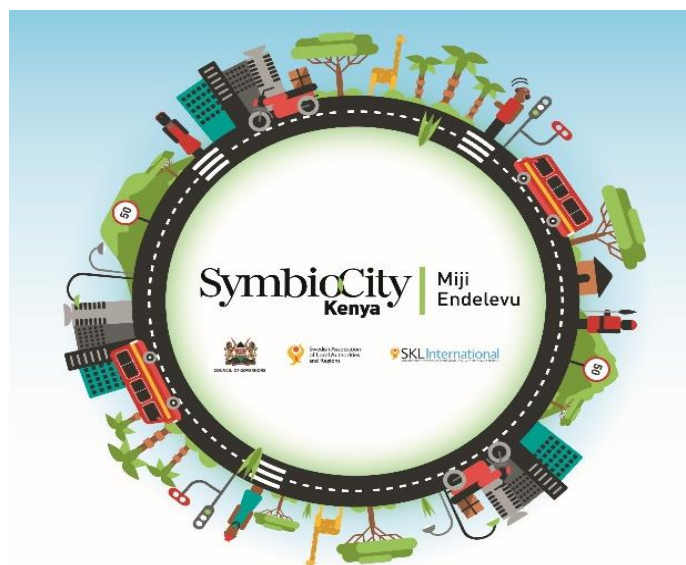


# Terms of Reference for Landscape Architects

## Detailed landscape layout design of Kwa Vonza market and bus park



Kwa Vonza, Kitui County, Kenya

<b>Title</b>	Detailed landscape layout design of Kwa Vonza market and bus park
<b>Location</b>	Kwa Vonza, Kitui County
<b>Specialist(s)</b>	Landscape Architect / Planner
<b>Calendar time</b>	October/November 2018
<b>Inputs</b>	International Landscape Architect (master plan development) (10 days) National (Kenyan) Landscape Architect (master plan development) (10 days)

## **Background**

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Kitui County has been participating in the SymbioCity Kenya (SCK) Programme.<sup>1</sup> SymbioCity is an approach to sustainable urban development deriving from practice in Sweden, and developed into a method for application to cities and towns globally. Funded by the Swedish Government, SymbioCity Kenya is a partnership between the Council of Governors and the Swedish Association of Local Authorities and Regions. A major activity of SymbioCity Kenya is the identification, development and implementation of a 'Change Project' in pilot towns that adopts and showcases best practice in sustainable urban development.

In Kitui County, the pilot town is Kwa Vonza - a quickly growing town on the border with Machakos County approximately 25 kms away from the County headquarters in Kitui Town. Kwa Vonza's urban status and development has changed from a largely rural hinterland to a growing commercial and residential hub. The town's significance and development has grown with the establishment of Kenyatta University (KU) and South Eastern Kenya University (SEKU) colleges; it is estimated that over half the Kwa Vonza population (approximately 35,000) are students and university staff. The development of infrastructure, services and the urban fabric has not kept pace with these developments.

Targeting the town centre, the Kwa Vonza Change Project will provide a set of interconnected interventions designed to promote opportunities for economic activity and improving the quality of the environment. There are two specific locations where detailed design is necessary:

- **Kwa Vonza market area:** the Change Project will seek to transform this valuable public asset at the heart of Kwa Vonza from an underutilised space into a multi-purpose area that will simultaneously support a number of uses: economic, recreational, public meetings and cultural events. The revitalised market will help optimise its use. The market area provides ample opportunity to provide a

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<sup>1</sup> Seven counties are participating: Homa Bay, Kakamega, Kisumu, Kitui, Meru, Nakuru and Trans Nzoia

recreational resource for all users (from old to young) with seating, meeting and play spaces. Opportunity will be afforded for an outside meeting and cultural space through the ample provision of shade. The detailed design of the market area will be underpinned by the principle of ensuring multiple uses. Information / educational boards will ensure the opportunity to interface with citizens is optimised. A number of new structures and facilities are planned including new low-cost model shops (from repurposed sea containers) a sanitary block and rainwater harvesting capability. Solid waste management shall also be supported by placement of skips used as receptacles for garbage collection. The area is approximately 6175 m<sup>2</sup>.

#### Location of the Kwa Vonza Market and Bus Stand



- **Kwa Vonza bus park:** the Change Project will intensify economic activity around this critical transport hub through the provision of well-designed container shops, and look to improve the experience of transport and town centre users through the provision of toilets, seating areas, and the provision of a greener shaded environment. The opportunity of increased trading space (through container shops) will be harnessed by reserving a small area for providing a contact point for Town Administration / County Government Services and the collection of revenue. The nature of loose soil covering the bus park exposes the users to fine dust during the dry season and mud during the rainy season hence: the provision of a hard standing area (cabra surface) will provide a better environment for the bus

park users (traders, operators and travellers). Solid waste management shall also be supported by placement of skips used as receptacles for garbage collection. The area is approximately 1650 m<sup>2</sup>.

The market and bus park area improvements will ensure increased trading potential for shop and stallholders. Increasing trading hours through the introduction of area lighting, introducing mixed use to increase the number of users in these economic hubs through recreational provision, and ensuring a user-centric approach through the provision of accessible toilet blocks - present an integrated package of measures underscored by locally based management of the revamped facilities.



The application of the SymbioCity philosophy is critical to the detailed design process. Resource conservation and environmental management is at the heart of the project: for example ensuring new and existing structures integrate rain-water harvesting systems, that grey water is used to feed the new greening initiatives, that solar power is harnessed to provide lighting and improving the cleanliness of the town centre through pilot waste collection activities. This drive towards designing and implementing mutually supporting interventions – ‘symbio’ – lies at the heart of the Change Project’s interpretation of sustainable urban development. The Specialist must keep this in the forefront of their thinking and recommendations in undertaking the assignment. This can consist of the application of good practice and creative solutions from elsewhere in Kitui County, Kenya and internationally, and – where appropriate – new ways of working that can be tested in the pilot Change Project.

## Scope

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This assignment will deliver detailed layout design of Change Project components related to site layout and landscaping. It is important that the philosophy of SymbioCity in promoting sustainable urban development described above, is optimised and embodied in the various interventions that comprise the Change Project.

The assignment will deliver the detailed layout design for the two focus areas in the Change Project: the Kwa Vonza market and bus park. Whilst both locations are relatively small, both require a thoughtful design layout to maximise the symbio sustainability benefits. The overall site layout designs will carefully consider the *siting* of all elements to ensure benefits are optimised. These will consist of:

- a) **Market area:** a) sanitary block, b) low cost model shops (in stacked sea containers), c) recreation area (including a children's play area and seating, and specifications for tree species and plant varieties), d) internal walkways / circulation, e) lighting mast, f) water tanks, g) solid waste management storage, and h) fencing and gates.
- b) **Bus park:** a) bus stop / terminus hard standing area, b) passenger sheds with rest benches, c) low cost model shops with County government service point, d) sanitary block, e) water tanks, f) solid waste management storage, g) specifications for tree species and plant varieties.

Apart from the two focus areas, the landscape design shall also provide detailed design advice for 500m stretch along the cross-roads through the provision of planting and improvements to pedestrian walkways. The cross roads covers:

- Point 0 – 500m towards Kitui
- Point 0 – 500m towards Nairobi
- Point 0 – 500m towards SEKU
- Point 0 – 500m toward Kyusiani

## Objective(s)

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The development of a user-inspired detailed layout design for the improvement of the Kwa Vonza market and bus park, based on the Change Project Document for the development of Kwa Vonza.

## Method

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The assignment will be carried out by one international landscape architect and one local landscape architect. It is critical that the assignment is undertaken in close cooperation with the Kitui SymbioCity Pilot Coordinator / Working Group, Kwa Vonza stakeholders, contracted Specialist(s) and County Officers

preparing other elements of the detailed design and the SymbioCity program officer. It is anticipated that the assignment will involve, but not limited to:

#### **a) Preparation**

- Develop a brief start-up note confirming the method and scheduling of the work for the Kitui SymbioCity Pilot Coordinator

#### **b) Stakeholder discussions and site surveys**

- Meet with Kitui SymbioCity Working Group
- Conduct field visit to assess the current situation on the ground (accompanied site visit(s) (with Kitui SymbioCity Pilot Coordinator)
- Engage the local stakeholders in Kwa Vonza including the 2 universities and consider their input into the proposal (to be advised by Kitui SymbioCity Pilot Coordinator) – possibly through an on-site design workshop
- Review and/or collect any relevant baseline data (including the number of market sellers, number of physical stalls, number of licenses, the rate of revenue collection, number of passenger movements from the bus park)
- Confirm site dimensions and delimitation
- Assess existing site conditions (including soil, topography, drainage)
- Consult with other Technical Specialists and County Officers preparing aspects of the Change Project

#### **c) Detailed design development**

- Develop detailed designs (site layout and landscaping) identifying options where relevant and necessary, and paying particular attention to the Symbio-principles identified above. The site layout should include the *localization* of:
  - Market area: sanitary block, low cost model shops (in stacked sea containers), recreation area (including a children's play area and seating, and specifications for tree species and plant varieties), internal walkways / circulation, lighting mast, water tanks, solid waste management storage, and fencing and gates.
  - Bus park: bus stop / terminus hard standing area, passenger sheds with rest benches, low cost model shops with County government service point, sanitary block, water tanks, solid waste management storage, specifications for tree species and plant varieties.
- Develop detailed specifications of the landscaping aspects (such as requirements for land fill, top soil, composting, tree species and plant varieties, recreational equipment such as benches)
- Conduct a stakeholder hands-on design workshop to review and agree final detailed design

- Present the final output to the Kitui Working Group / short stakeholder meeting in Kwa Vonza
- Prepare a Bill of Quantity for the landscaping aspects

The **national** landscape architect will be responsible for phase a) preparatory phase and b) Stakeholder discussions and site surveys, preparing a baseline map of existing conditions in the market area. (S)he will support the **international** landscape architect in preparing the detailed market site layout and will be responsible for presenting the final output to the Kitui Working Group.

The **international** landscape architect will be main responsible for phase c) detailed design development, with support from the **national** landscape architect. This will include the siting of the market functions and implementing the stakeholder workshop to review and agree on the final site layout.

## Outputs

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The consultants will be expected to deliver:

- A brief technical report addressing aspects of the detailed layout design including, but not limited to: data and information, location and site layout plans, stakeholder feedback / consultations
- A detailed layout master plan at a scale agreed on by the PC & consultant and presented on A0 boards with accompanying technical notes.
- Bill of Quantities covering the landscaping and beautification aspects

## Inputs / human resources required

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The assignment will be carried out by one International and one National Landscape Architect, contracted separately. The work of the consultants will be guided by the Project Proposal for the development of Kwa Vonza and will have access to the Kitui Working Group, Technical Specialists for other sectors and the SymbioCity Programme Officer.

The **Landscape Architects will have:**

- Requisite professional University Bachelor's degree
- Having a professional practicing experience of not less than 5 years that has covered:
  - A broad range of development projects
  - Various stages of an architectural consultancy and building development process
- Should be registered by a recognized registration board, and have membership with a recognized professional body
- Good command of design and rendering packages: e.g. CAD (ArchiCAD, Plot maker, AutoCAD, Sketch up, Autodesk, Architectural Desktop), Image enhancement (Art-lantis render, Adobe Photoshop, Piranesi)

- Extensive experience of stakeholder engagement
- Experience of at least two previous assignments of a similar nature
- Experience of working in Kenya or similar contexts will be a strong advantage for the international consultant
- Ability to collaborate and achieve agreed goals with other Technical Specialists
- Excellent communication skills oral and written

### **Time frame**

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The total duration will be 10 working days for the national and 10 working days international consultant, carried out over a period of approximately 4 weeks from commencement to finalisation. The consultants will work partly in parallel.

### **Management of the contract**

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The contract will be signed between the consultant and SKL international. The consultants will work closely with the SymbioCity Kenya Kitui pilot coordinator and Program officer based in Nairobi. Financial management of the contract will be done by SKL International.

### **Schedule of payments**

Payments will be based on receipts of clearly defined deliverables:

- 40% on submission and clearance of a brief inception note and delivery of draft outputs
  - 60% on submission and clearance of final outputs.
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