

UNIVERSITY OF NAIROBI

ESTATES DEPARTMENT

TREE NURSERY PROJECT PROPOSAL

IMPLEMENTING AGENTS

ESTATES DEPARTMENT - ENVIRONMENTAL TEAM

CONTACT PERSONS

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PREAMBLE

The total forest cover globally has diminished rapidly from 30% of the total land mass in 1895 to just 1.7% today. In Kenya, over exploitation has increased over the past 3 decades .The country is therefore experiencing global warming largely due to destruction of forest cover. The environmental management team from estates department intent to make the university a better place to live by cutting old and dangerous trees and replacing them. That's why we a proposing to start a tree nursery. This will enable us to have tree seedlings and whenever we cut down trees we can easily replace them. Secondly a tree nursery will be cost effective since the cost of purchasing one indigenous tree seedling ranges 300-450 shillings.

PLANT NURSERY

A nursery is a place where plants are propagated and grown to a usable size .This will be a plant nursery which will supply the needs of the institution. The trees both indigenous and exotic will be propagated by seed, and this project will be carried out at Tigoni guest house.

Why Tigoni Guest house?

- There is adequate space
- There is water availability
- There is security
- Well drained high land
- Good communication facilities
- Fertile red soil

OBJECTIVES

- To participate in environmental conservation within the university.
- To ensure our indigenous trees are not extinct.

METHODOLOGY

The following activities will be carried out

BED PREPARATION

Eliminating perennial weeds is the first step in bed preparation this is done by use of roundup non selective systematic herbicide.

Level bed are therefore made of 12.5m length and 90cm wide with drains of 30cm
The soil in the bed is dug to the depth of 40-50cm.

The soil is then mixed with compost manure to improve drainage and moisture retention .top soil is also mixed with native soil to improve its physical structure

(B) SEEDING

After the bed has been prepared to a fine tilth. Rows are made 6cm apart and depth of 3cm and seeding is done. The bed is watered after seeding and kept moist but not wet.

(C) TRANSPLANTING

This is done after a period of one month when plants have attained the desired size. The seedlings are put in small polythene bags with soil and manure mixture in proportions of 3:1 respectively .After one month the seedlings will be ready for planting.

PROPOSED BUDGET FOR THE PROJECT

SEEDS	UNIT COST (Kshs)	QUANTITY	TOTAL(Kshs)
Moringa	1,500	2kgs	3,000
Muiri	1,300	2kgs	2,600
Pondo	3,000	2kgs	6,000
Mithiga	1,500	2kgs	3,000
Moringa	1,500	2kgs	3,000
Neem	4,000	2kgs	8,000
Mutamaiyu	2,000,	2kgs	4,000
Sasuarina	1,150	2kgs	2,300
Muu	1,700	2kgs	3,400
Thika Palm	1,270	2kgs	2,540
Pine	1,250	2kgs	2,500
Bottle Brush	1,000	2kgs	2,000
Grand Total			39,340/=

ITEMS	UNIT COST (KSHS)	QUANTITY	TOTAL (KSHS)
Compost Manure	15,000	3 lorries	45,000
Termidox	4,900	1 litre	9,800
Round-up	620	2(500ml)	1,240
Spade	700	1 No	700
Watering can	270	2No.	540
Slashers	200	4No.	800
Garden Hooks	250	3No.	750
Folk Jembe	1,450	2No.	2,900
Panga	650	1No.	650
Sharpening files	250	4No.	1,000
Horse pipe ¾ (50m)	7,300	1No	7,300
Polythene bags			
7x10	300	1Pkt	300
7x12	400	1Pkt	400
14x14	500	1Pkt	500
20x20	700	1Pkt	2,800
GRAND TOTAL			73,780/=
TOTAL 39,340 + 73,780 =			113,120/=

We are therefore looking forward for the necessary support so that the project can be implemented.

Prepared by:

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