

# PROPOSED RESOURCE CENTER FOR ORPHANED AND DESTITUTE CHILDREN

## DESIGN PROPOSAL:

- The proposed center will occupy Five Acre land in the Outskirt City of Kisumu in Kenya.
- The Center is proposed to comprise of the following blocks of buildings with various activities to cater for the orphaned and destitute children in the region.

**a) BLOCK – A:**

This is a two storey block comprising Administration and Tuition rooms (Classrooms) on First and Second Floors with each covering area of 432m<sup>2</sup>. This brings a total area including Ground, First and Second Floors to **1296m<sup>2</sup>**

On estimate the construction of this block will cost **Ksh. 103,680,000**

**b) BLOCK – B:**

These are two similar blocks comprising tuition rooms on Ground, First and Second Floors with floor coverage of 48x9m translating to 432m<sup>2</sup> for each Floor.

Therefore the total area for one whole block will be **1296m<sup>2</sup>**

The two blocks will cover a total of 1296x2 = **2592m<sup>2</sup>**.

The total estimate for the two blocks as marked “BLOCK – B” on the master plan will therefore be 2592xKsh.80,000 = **Ksh.207,360,000**

**c) BLOCK – C :**

These are two similar blocks comprising Training Workshops with each covering floor area of 60x15m = **1800m<sup>2</sup> for both blocks.**

Construction estimate for these two blocks will be 1800x80,000 = **Ksh.144,000,000**

**d) BLOCK – D:**

These are four Similar blocks comprising Dormitories on Ground, First and Second Floors each with floor coverage of (29x9m) + (20x9m) = 441m<sup>2</sup>.

Each Block will therefore cover a total of 441x3 floors = **1323m<sup>2</sup>**

Four units will therefore cover a total area of 1323x4 = **5292m<sup>2</sup>**

Total Estimate costs on Construction will be 5292x80,000 = **Ksh.423,360,000**

**e) BLOCK – E:**

This is a Dining Hall Comprising Kitchen, Stores and Dining Area for the Students.

The total coverage area of (46x30) + (17x19) = **1703m<sup>2</sup>**

This is estimated to cost **Ksh.136,240,000**

**f) ELEVATED WATER TANKS:**

2 Nos. Elevated steel tanks each 30,000Litres Estimated to cost **Ksh.6,000,000** in total for both tanks on steel Structure.

**g) DISPENSARY BLOCK:**

Dispensary block will cover area of 8x6m to cater for emergency cases for both students and Teachers.

This is estimated to cost **Ksh.3,840,000**

**h) ABLUTION BLOCKS:**

10 No. Units each covering an area of 9x1.5 = **13.5m<sup>2</sup>**

In total these will cost 13.5x10x80,000 = **Ksh.10,800,000**

**i) CIVIL WORKS:**

This involves earthworks and land preparation for the Proposed Center which is estimated to cost **Ksh.20,000,000**

**SUMMARY :**

a) BLOCK – A	_____	Ksh.103,680,000.00
b) BLOCK – B	_____	Ksh.207,360,000.00
c) BLOCK – C	_____	Ksh.144,000,000.00
d) BLOCK – D	_____	Ksh.423,360,000.00
e) BLOCK – E	_____	Ksh.136,240,000.00
f) ELEVATED WATER TANKS	_____	Ksh.6,000,000.00
g) DISPENSARY	_____	Ksh.3,840,000.00
h) ABLUTION BLOCKS	_____	Ksh.10,800,000.00
i) CIVIL WORKS	_____	Ksh.20,000,000.00

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**TOTAL COST ESTIMATE \_\_\_\_\_ Ksh.1,055,280,000**

**NB:**

**The Costs are Estimated on the Basis that 1m<sup>2</sup> of Construction Costs Ksh.80,000.00 according to Local Construction Survey, however this may Change on Actual Bill Of Quantities Figures after the Architect's, Structural, Electrical, Mechanical and Civil Engineers' input on the Project.**