

WANDA FOUNDATION

PROPOSAL

FOR

**THE CONSTRUCTION OF A TECHNICAL AND INNOVATION INSTITUTE IN
DIA KAILAHUN DISTRICT and KENEMA DISTRICT
EASTERN SIERRA LEONE**

NOVEMBER, 2014

**THE ESTABLISHMENT OF A TECHNICAL AND INNOVATION INSTITUTE
DIA TOWN KALAHUN DISTRICTS & KENEMA TOWN, KENEMA DISTRICT
EASTERN PROVINCE, SIERRA LEONE**

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1.1 Project Overview

Dia Kailahun district and Kenema district is found in Eastern Sierra Leone and happens to be the provincial head quarter. This district like most others is characterized by high level of youth unemployment. The skyrocketing youth unemployment is as a result of the fact that the affected youths lack the basic academic and technical knowledge, Skills and expertise required to make them gainfully employed.

Post conflict Sierra Leone faces a lot of challenges within the educational sector. This is due to the fact that we still lack the appropriate structures in place to support the educational system. Several years of civil strife in the country led to the deterioration of the Educational system and thus the standards thereof. Several interventions are being made to help salvage the situation. However from studies carried out it was realized that much premium is being placed on Basic Education and little support was given to secondary and Tertiary Education.

The government of Sierra Leone in 1999 adopted the 6-3-3-4 system of education as a means of fostering tertiary education and also catering for middle level man power through polytechnic and vocational institutions. This system has still not produced the desired result, hence, the reason for the introduction of the 6-3-4-4 system to replace the 6-3-3-4. Even with this new drive, most of these institutions especially the Tech-Voc institutions lack the essential resources (human, material, financial and technological) to meet their set objectives.

The country is in dire need of technical man power to meet the Human Resource needs of numerous Public and private sector organizations. This is evident in the recruitment and selection process of most of the mining companies in Sierra Leone. They have to outsource most of the technical jobs because there is a shortage of middle level manpower with the skills and know-how to operate most of the equipments. It is hoped that the strengthening of this sector will help develop the middle level man power, thus making it possible for the youths to be given employment opportunities by others or be self employed.

It is out of this necessitating need that the Ngopee Foundation and the Baptist Mission spear headed by Josephine Smits-Davis, a Sierra Leonean born, wants to be part of the intervention to foster improvement within this sector. The short term focus of the foundation is on Dia and Kenema, a district with over 80% of marginalized youths and the objective is to:

- a) Construct a Technical and innovation institute
- b) Facilitate the training of trainers/ instructors to rise up to the challenges of the ever changing dynamics of technology of modern times
- c) Develop a curriculum which will cater for the employment needs of deserving students and help those who may want to further their education.
- d) Design the curriculum in a manner that will be consistent with our goal of maximizing the potential of the Dia and Kenema Youths so as to make them self reliant and less disposed to crimes.
- e) Provide the required training needed to meet the demands of the industries
- f) Ensure that collaborative efforts are made with industries and expatriates in enabling a hands-on-technical and Innovation training for both tutors and students.

In view of the foregoing, the under mentioned departments will be established to provide tuition and award certificates and diplomas in courses such as:

TECHNICAL STUDIES DEPARTMENT:

- ❖ Mechanical Engineering (OND/HND)
- ❖ Civil Engineering (OND/HND)
- ❖ Electrical Engineering (OND/HND)
- ❖ Computer Hardware and Electronics Eng (OND/HND)
- ❖ Architectural Eng. (OND/HND)
- ❖ Auto Mechanic/Electrician (CERT/OND)
- ❖ Building and Construction (CERT/OND)
- ❖ Carpentry and Joinery (CERT/OND)

BUSINESS STUDIES DEPARTMENT:

- ❖ Business Studies (CERT/OND/HND)
- ❖ Secretariat Studies (OND)
- ❖ Accounting and Computer Application (CERT/OND/HND)
- ❖ Banking and Finance (OND/HND)
- ❖ Business Administration (HND)

HOTEL MANAGEMENT CATERING AND TOURING DEPARTMENT

- ❖ Hotel Management (CERT/OND/HND)
- ❖ Foods and Beverages (CERT/OND/HND)
- ❖ Tourism (CERT/OND/HND)

VOCATIONAL STUDIES

- ❖ Metal works
- ❖ Food and Nutrition
- ❖ Gara Tie Dying
- ❖ Weaving
- ❖ Soap making
- ❖ Tailoring (CERT/OND/HND)
- ❖ Carpentry
- ❖ Cos methodology
- ❖ Designs and Decoration (CERT/OND/HND)

1.2 SCOPE OF WORK

The scope of work is found in the programme requirement

1.2.1 PROGRAM REQUIREMENTS

The following table describes the facilities in the Project.

| No | FACILITY/ BUILDING | QUANTITY | LOCATION | NO OF ROOMS | Remarks |
|----|-------------------------------------------|----------|------------|-------------|-------------------------------------------------------------------------|
| 1 | The Vocational and Innovation Institution | 1 | Dia/Kenema | 12 | Concrete masonry walls |
| 3 | Two Bedroom Staff House | 2 | Dia/Kenema | 2 | Indoor toilet facilities included |
| 4 | Hand dug water well | 2 | Dia/Kenema | | Well to be fitted with solar pump Overhead water tank to be included |
| 5 | Toilet Facilities | 2 | Dia/Kenema | | Pour Flush and VIP latrines with ablutions |

1.2.2 BASIC CONSTRUCTION SPECIFICATIONS

1. FOUNDATION:-
 - 150mm thick mass concrete 1:3:6 mix $\frac{3}{4}$ aggregate on leveled Surfaces in the trenches
 - 200mm Solid sandcrete block work bedded and jointed in cement mortar 1:6mix
 - 100mm thick mass concrete slab, mix 1:3:6 laid on compacted earth fill and 150mm minimum hardcore
2. WALLS :-
 - 150mm thick solid sandcrete block walls bedded and jointed in cement mortar
3. CEILING:

6mm thick hardboard on timber bearers and hangers with cover strips and painted internally and externally.
4. ROOF:-

factory-coated 28 gauge Corrugated roofing sheets on timber supports with fixings.
- FLOOR:-

Cement Screed and Unglazed ceramic tiles (toilets only) laid in regular pattern on 50mm screed.
- ELECTRICAL:

Concealed PVC conduit wiring and Solar system as the main source of power
- PLUMBING:

PVC pipes with watertight joints and sealants where plumbing is applicable

2.0 THE MAIN BUILDINGS OF THE PROJECT

2.1 THE TECHNICAL AND INNOVATION BUILDING

The Technical and innovation building is a single storey masonry structure with Twelve (12) Classrooms, Storage space attached to each classroom, a Staff room and the Principal's Office and Store. The Twelve(12) Classrooms are located in two building blocks of six (6) Classrooms each placed opposite each other and connected by the Staff room and the Principal's Office block. Corridors placed on opposite sides of the connecting block link the two Classroom blocks, thus creating a unified simple layout.

A separate block of toilets is located within close proximity to the classroom blocks and are linked by a covered walkway. The location of the toilet facilities and the covered walkway forms a closed loop of the primary school buildings, thus creating an enclosed courtyard for the school morning assembly.

2.2 THE STAFF QUARTERS

The Staff Quarters are single storey masonry structures with Two (2) Bedrooms, Storage space, Kitchen, Living room and a toilet facilities.

