

# PROJECT PROPOSAL

TITLE: REACTIVATION OF ANGLICAN MISSION FARM AT FARAFENNI, THE GAMBIA.

PROJECT HOLDER: ANGLICAN MISSION DEVELOPMENT MINISTRIES. (AMDM)

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&  
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## **SUMMARY:**

The Anglican Mission Development Ministries (AMDM) is a faith-based, non-governmental, charitable organisation, which is the Socio-economic developmental arm of the Anglican Diocese of Gambia. This shows that Anglican Mission Development Ministries aim at being at the centre of 'Evangelism and Socio-economic Responsibility' to their target systems.

Specifically at Farafenni mission station, the Anglican Mission Development Ministries has been responsible for Evangelism, Education, Agricultural Development and Assistance to Refugees.

Now that the refugees are safely back home, the mission station is now left with her primary functions of Evangelism ( Church of the African Martyrs ); Education ; Anglican Mission Upper Basic School (A.M.U.B.S.); Anglican [vocational] Training Centre: (A.T.C.); Anglican Mission Agricultural Senior Secondary School (A.M.A.S.S.S.) and Agricultural Development (Anglican Mission Farm).

Anglican Mission Development Ministries have a function towards the 'Realization of the Right to Food' by everybody in Gambia.

The 1996 World Food Summit produced a global commitment to cut the number of hungry and malnourished to half by 2015. AMDM is taking concrete steps towards promoting policies and projects that have positive impact on the realization of the 'Right to Food for All', avoiding those that could have negative impact on it.

This paper is to ascertain compliance with or deviation from the three main objectives of the Anglican Mission Farm, the journey so far, the present situation and the way forward into the future.

The Three Main objectives of the farm are :

- (i) To provide a practical Teaching / Learning facility for the students of Anglican Mission Institute in general i.e. Upper Basic School, Agricultural Senior Secondary School and the Vocational Training Centre at Farafenni.
- (ii) To provide Rural Agricultural Extension Services to the rural communities, in order to encourage self-employment by the youth and women, thereby improving their income earning capacity and standard of living within and around Farafenni.
- (iii) As faith based NGO, AMDM, is an important factor in the North Bank Division, striving towards the attainment of 'Right to Food for All'

policy, following a “Twin-Track Approach”, which on one hand seeks to strengthen productivity and livelihoods, and on the other hand to build Social Safety Nets for the vulnerables (particularly the hungry and marginalized), who can not provide for themselves,

The reactivation of the farm ;(the project proposal), shall be divided into four developmental phases.

**Phase One:**

This would be the putting in place of the Governing Council/Board of Trustees, survey and fencing of the total land available as well as refurbishment of the physical facilities, available to the Anglican Mission Institute at Farafenni Mission Station.

**Phase Two:**

This will include employment of the Farm Manager and the supporting work force, to start all over again, the Agricultural Activities which would form the basic foundation to support the Teaching and Research programmes. Every Agricultural Enterprise represented on the farm must be reactivated and sustained.

**Phase Three:**

This would include consolidating, every Agricultural Enterprise represented at the Institute, to such a formidable level as to providing a reliable Agricultural Database, as much as possible for the Division and the country at large. Expansion programme for the physical facilities to take care of the Institute for a long time to come.

**Phase Four:**

The registration of the Anglican Mission College of Agricultural Sciences with the Department of State for Education, to cater for the grade12 graduates from the Anglican Mission Agricultural Senior Secondary School and others who may want to take Agriculture as a life career.

Employment of the Academic and Non-academic staff, starting with the Provost, Registrar and the Academic staff. This would be followed by enrollment of students into degree programmes in the College of Agricultural Sciences.

This proposal is thereby prepared to encourage interested supportive parties, have a general overview of the short, medium and long term investment plans and to have a feasible working guide. This will therefore help in sequential funding of the various units of the project.

**Supervision:**

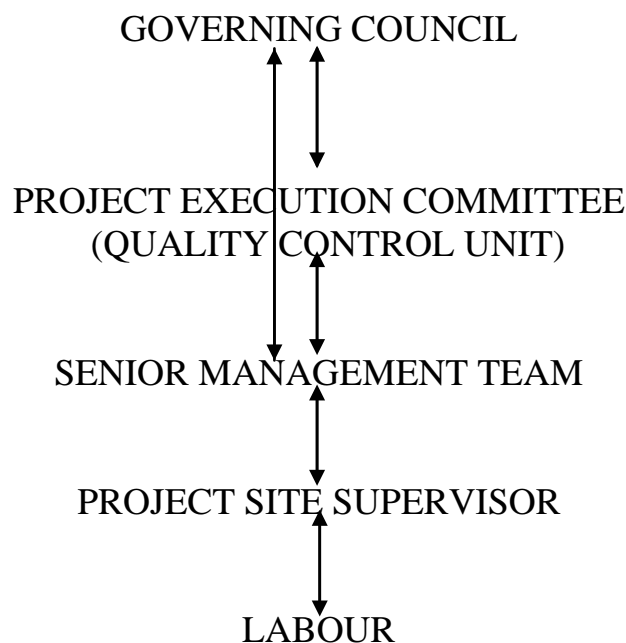
Every part of the project shall be well supervised by the ‘Task Force’ in order to checkmate errors, mis-interpretation of ideas and working to detailed specification.

The Task force shall consist of the Senior Management Team of the Institute, who will be responsible for the close supervision, monitoring and evaluation of the reactivation processes.

The Quality Control Unit of the Project Execution Committee shall visit the project site regularly, to correct any error or mis-interpretation of ideas right on time, in order to get the jobs done according to specification.

The Senior Management Team and the Quality Control Team, shall submit ‘Progress Report(s)’ to the Governing Council at the completion of every unit of the project and/or on quarterly basis.

**REACTIVATION PROJECT CHAIN OF MANAGEMENT**



**Beneficiaries:**

Several groups will benefit from the reactivation and upgrading of the Anglican Mission Upper Basic School, Anglican Training [Vocational] Centre, to becoming Anglican Mission Agricultural Senior Secondary School and eventually Anglican Mission College of Agricultural Sciences.

- (i) The students will have a tertiary Institution of professionalism in Agriculture. The patronage as a National Diploma Awarding Institute will be tremendous and encouraging.
- (ii) Other less qualified students, who may not be admitted into the National Diploma Programme, can be admitted into Certified Vocational Training in any particular area of Agricultural enterprise.
- (iii) The rural communities within and around Farafenni, will benefit from the Rural Agricultural Extension Services of the Institute, thereby improving the technical know-how of the rural communities with reference to modern, up-to-date Agricultural practices, as well as being well informed about Agricultural happenings and breakthroughs from all over the world.
- (iv) The Institution will serve as a source of Agricultural Database / Information Center for the immediate geographical vicinity and the country at large.
- (v) It will create more job opportunities for the high, middle and low level manpower within the area.
- (vi) The immediate petty traders will enjoy higher patronage with the influx of newly admitted students into the area, thereby increasing their income earning capacity and livelihood.

## **PROJECT JUSTIFICATION:**

The Anglican Mission Development Ministries (AMDM) at Farafenni so far has lived up to expectations, complying strictly with aims / objectives for which it was established.

However, the project at Farafenni Mission Station has witnessed a setback, due to non-functional Vocational Centre and the Agricultural Farm, which had a direct impact on the buoyancy of the Mission Station.

The project is presently going through a period of dormancy and it is hoped that, once it comes alive again, it shall continue to grow to fulfill the purpose for which it was established, and continue to march forward against all odds.

The physical structure available at the Institute is presently highly underutilized and as such, there is need for very urgent intervention to arrest 'Devaluation Process' about to set in on the farm assets.

There is need to re-focus on Vocational Training, encouraging the youth to learn a trade, **with acceptable job placement after completion**. With this trade, the youth can earn a living, thereby reducing crime rates and over-dependence on relatively successful members of their family and the Government.

The vocations on offer should be increased to accommodate more students and make the project a successful venture.

**It is highly proposed that at a point in time, (soonest), the Anglican Mission should be able to get a means of giving stipend to these trainees (D400 per month), as an incentive to help build up the future of the youth and the training programme.**

After the successful take-off of the Senior Secondary School of Agriculture, there is need to prepare adequately for the products of such a specialized secondary school, to be absorbed by the Anglican Mission College of Agricultural Sciences and to be an affiliate of University of The Gambia, Faculty of Agriculture as well as a reliable experimental station for the National Agricultural Research Institute [NARI].

In view of this, Anglican Mission College of Agricultural Sciences is thereby proposed, which would be operating as a Tertiary Institution, awarding National Diploma degree in Agricultural Sciences; as well as Certified Vocational Training programmes in various Agricultural Enterprises and may be expanded in the nearest future to accommodate other areas of National Interest/ National Development.

## **BACKGROUND INFORMATION:**

(i) **STUDENTS' GARDEN:**

The Upper Basic students' garden for class practical was visited. This is located on the sketch (page 20). This is quite a decent and appropriate location for the students' garden. There is a well of water, but the water level had fallen far below the level of the pumping machine. There is no operation going on as at now, although there were evidences of old ridges. There were horrible excavations all over the garden, 'reportedly dug' by stray pigs in the area. It was reliably gathered that, it was the incessant destructive activities of these stray animals that compelled the students to abandon the garden for no other alternative.

There is need to produce a metal plate covering for the borehole in this garden for safety reason, as well as preventing the tree leaves dropping directly or being blown into the well by wind. Also, there is urgent need for fencing the garden round, to keep the stray animals and other intruders away.

(ii) **FEED MILL:**

There is a medium capacity Hammer mill (crusher), powered by a small Lister diesel engine. There is a complete 'Oil Extraction Mill'; with boiler for steaming, the grinder and the press for oil extraction. However, the whole of this system was said to have stopped working before September, 2003. Looking at the whole milling system, it is rather obsolete. The probable cost of running and replacement of worn-out parts could be so enormous, as to make the whole mill "unprofitable venture". The performance efficiency is equally questionable, although there were no past records to support this.

(iii) **BROILER PRODUCTION:**

There are no activities going on at present, but there are few plastic drinkers and feeders, packed to one side of the building. The broiler house consists of three sections:

- a. The space allotted to brooding; which can not take more than 600 day-old chicks at its maximum capacity.
- b. Grower space for about 500 four weeks old broilers.
- c. Market age space for a maximum of 400 birds at 10-12 weeks old.

- (iv) **LAYERS PEN:**  
This is a deep litter system. Roughly speaking, the available space will be adequate for a maximum of 800 layers, considering the space required for nesting boxes, feed and water troughs as well as space for free movement of the birds.
- (v) **GOAT & SHEEP:**  
There are 2 sheep, 1 he-goat and 2 she-goats in all. Some were on free range, while some were kept in the pen. It was observed that the pen is closed up, not well ventilated for farm animals. A more well ventilated sheep & goat pen should be erected.
- (vi) **CATTLE:**  
There are 10 heads of cattle in all. (1 male calf, 1 bull, 8 cows). The lactation/milk production is very low, due to poor management practices.
- (vii) **APIARY (HONEYBEE FARMING):**  
There is nothing to show except the door to the garden. The whole system had been vandalized and dismantled. There is need to re-establish from the scratch.
- (viii) **PERMANENT TREE CROPS: [ORCHARD]**  
Accurate enumeration was carried out  
(a) Mango trees = 72 stands ;  
(b) Cashew trees = 92 stands.  
It was noticed that, there was no fire boundary/ buffer zones, to prevent fire outbreak and spread, in order to safeguard developed properties from being engulfed by accidental fire outbreaks, especially during the dry season.

## GOALS & OBJECTIVES:

### GOAL #1 :

Reactivation of the Anglican Mission Institute Agricultural Farm at Farafenni, North Bank Division, Gambia.

#### Objectives:

- To reactivate all the Agricultural Enterprises represented on the Anglican Mission Institute farm at Farafenni.
- To improve management efficiency of the Agricultural farm;( viz: project planning committee, project execution committee and project monitoring committee.)
- To use the farm as demonstration site for active Rural Agricultural Extension Services in the neighbourhood, especially for women groups and the youth.
- To strengthen the Agricultural productivity, increased income earning capacity and improved livelihoods, especially for the women, the youth and other marginalized, vulnerable groups.
- To support and encourage the ever growing population of Farafenni, being very close to the Republic of Senegal.
- To upgrade the farm for Teaching purposes, especially the Agricultural Senior Secondary School and the Vocational Training Centre. The students will have a standard farm for their practical experience.
- To present a standard Agricultural farm, where students from the University could be attached for their 'Industrial Attachment' OR 'In-Service-Training.
- To upgrade the farm for Research purposes, where students from University of The Gambia could use for their Final Year Project, Thesis and Dissertations in Agricultural Sciences.
- To present the farm as an appropriate **pilot project centre** for other bodies like National Agricultural Research Institute (NARI) and International Agricultural Organizations e.g. Food and Agricultural Organization (FAO)
- That all of the above will culminate into self-sustainability of the Agricultural Enterprises and the expansion of the Agricultural Farm.

## GOAL #2

To upgrade the Anglican Mission Upper Basic School and Anglican Mission [Vocational] Training Centre to Anglican Mission Agricultural Senior Secondary School and eventually to a National Diploma Awarding College of Agricultural Sciences.

### Objectives:

- To Herald and Justify the importance of Agricultural Sciences in Secondary School Educational setups.
- To pilot 'Annual Secondary School Agricultural Show' both at the National and Divisional levels.
- To serve as 'Faithful Torch Bearer' of Scientific Agricultural Advancement in Gambia.
- To encourage more youth to be inclined towards Scientific Agriculture.
- To encourage the prospective students put the available facilities on ground to good use.
- To attract more patronage for the good use of the Anglican Mission Institute in general.
- To increase/improve upon the production capacity of the Agricultural Farm.

## **METHODS:**

### REACTIVATION PROGRAMME ITEMIZED:

- (i) Proper Administrative Structure must be put in place, to run and oversee the Educational and Agricultural Activities of the Institute.
- (ii) Land Survey and proper Block Fencing of the whole available land for Anglican Mission Institute at Farafenni.
- (iii) Refurbishment of the existing Buildings.
- (iv) Acquisition of farm implements, machinery and equipment for standard mechanized farming operations that will encourage Training and Research..
- (v) Comprehensive processing and packaging unit/enterprise.
- (vi) Technical Assistance on regular basis to back-up the staff strength of the farm.
- (vii) Training of middle and high level manpower; both at In-service training and Full-time training levels, for the continuity of the Educational and Agricultural projects and for the 'not-too-distant-future' expansion.
- (viii) Construction of office accommodation, staff quarters, laboratories and a befitting School Library.
- (ix) Upgrading the Anglican Mission Institute to the level of 'College of Agriculture' ( awarding National Diploma in Agriculture); that will further encourage Training and Research.

## ACTIVITIES TO BE CARRIED OUT.

- (i) Reactivation of the Governing Council and incorporation of members at the Divisional level.
- (ii) Comprehensive survey of the total available land and estimation for the block fencing.
- (iii) Refurbishment of the existing buildings.
- (iv) Standardization of the Teaching, Research and Commercial Farm by the procurement of motorized farm implements and other equipment, e.g. Tractor head and other attachments as Plough, Harrow, Ridger, Boon Sprayer, Planter; Automated Sprinkler Irrigation Equipment; Cabinet Incubator, Oil press, Mill, Shellers etc.
- (v) Procurement of comprehensive processing and packaging machines that will enhance sustainability of the Agricultural Enterprises.
- (vi) Request for Technical Assistance (in every area of Agricultural Enterprises) on regular basis from Brethren, N.G.O's and other bodies that may be willing to support directly or indirectly.
- (vii) Location and construction of more lecture rooms, office accommodation, staff quarters, laboratories and a befitting School Library.
- (viii) Adequate furnishing of the newly constructed facilities/infrastructure.
- (ix) Comprehensive Training Schedule prepared to include:-
  - (a) Area(s) of urgent / immediate training with reasons for the urgency clearly stated.
  - (b) The Institution(s) that will be responsible for the training and at what level or to which extent.
    - © Selection of candidates to be trained in such Institution(s) and determination of training level(s).
- (x) Clearance and Authority from the State Department of Education to establish a National Diploma awarding College of Agriculture.
- (xi) Re-structuring of the Administrative set up to include; The Board of Trustees, The Provost / Rector of the College of Agriculture, The Registrar, Bursar, The Academic Board, Senior Staff Management Team, Planning Committee, Execution Committee and Monitoring Committee.

**LOCATION:**

ANGLICAN MISSION DEVELOPMENT MINISTRIES; FARAFENNI;  
NORTH BANK DIVISION, THE GAMBIA.

## **PROGRAM TIME TABLE:**

For proper administrative purpose, the whole reactivation project has been divided into 4 phases **based upon the line of priority.**

### Phase One:

This would be the putting in place of the Governing Council/Board of Trustees, survey and fencing of the total land available as well as refurbishment of the physical facilities, available to the Anglican Mission at Farafenni Mission Station.

### Phase Two:

This will include employment of the Farm Manager and the supporting work force, to start all over again, the Agricultural Activities which would form the basic foundation to support the Teaching and Research programmes. Every Agricultural Enterprise represented on the farm must be reactivated and sustained.

### Phase Three:

This would include consolidating, every Agricultural Enterprise represented at the Institute, to such a formidable level as to providing a reliable Agricultural Database, as much as possible for the Division and the country at large. Expansion programme for the physical facilities to take care of the Institute for a long time to come.

### Phase Four:

The registration of the Anglican Mission College of Agricultural Sciences with the Department of State for Education.

Employment of the Academic and Non-academic members of staff, starting with the Provost, Registrar, Bursar and the Academic staff. This would be followed by enrollment of students into degree programmes in the College of Agricultural Sciences.

## **PHASE I:**

- A. Putting in place of the Governing Council/Board of Trustees.
- B. Survey and cement-block fencing of the total land available.
- C. Refurbishment of the physical facilities, available to the Anglican Mission at Farafenni Mission Station.

A.

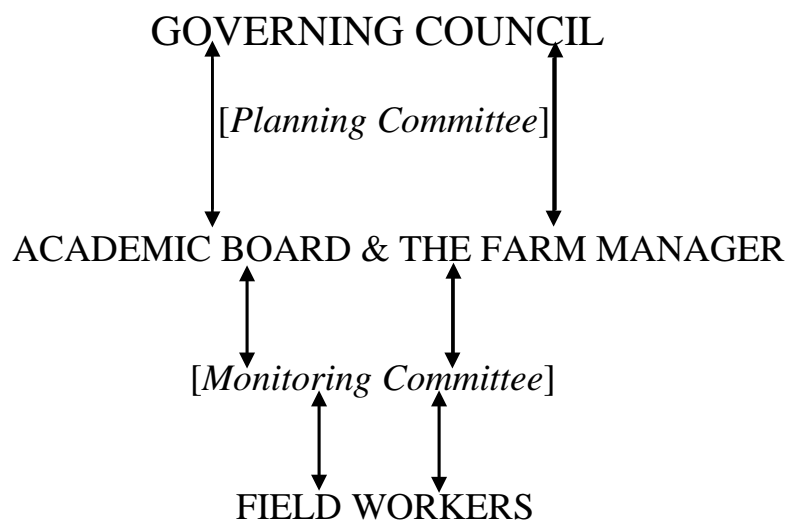
There is need for a proper Administrative setup, with lines of communication clearly indicated. This will help in building 'Team Leadership' and consequently, 'Team Work' for the success of the Institute.

Re-structuring of the Administrative set up will include; The Governing Council, The Academic Board, Senior Staff Management Team, Planning Committee and Monitoring Committee.

**At every level of administration, the community is expected to be well represented, so as to give them the sense of belonging and joint ownership.** This will make the planning and monitoring units to be fully committed to success and continuity.

ANGLICAN MISSION INSTITUTE [AGRICULTURAL FARM];  
NORTH BANK DIVISION, FARAFENNI;  
THE GAMBIA.

### PROPOSED ADMINISTRATIVE STRUCTURE:



## B. Survey and cement-block fencing of the total land available.

From interviews and eye-witness accounts, it is so obvious that perimeter fencing of the farm land should be the first step towards the reactivation of the farm on the account of:

- (i) Nearby “intruders and trespassers” are always pilfering and sometimes burgle the farm houses/stores.
- (ii) Incessant attacks on cattle, sheep & goats by wild, rabid dogs.
- (iii) Farm animals from the neighbourhood, wandering unto the farm site, grazing on commercial crops and destroying the harvest.
- (iv) Inability to embark on ‘Dry Season Irrigation Farming’ due to the farm animals from the neighbourhood wandering on to the mission farm site.

There were traces and evidences of previous temporary perimeter fencing, of the total available land with barbed wire on staves. These were easily damaged/tampered with, by the intruders.

A more permanent cement block perimeter fencing is hereby proposed. This will be 10-coaches cement block fencing with 2-coaches below the ground level and 8-coaches above the ground level.

### COMPREHENSIVE SURVEY OF THE TOTAL AVAILABLE LAND AND ESTIMATE FOR THE BLOCK FENCING.

#### COST OF COMPREHENSIVE SURVEY OF THE TOTAL LAND AREA AVAILABLE.

S/N	PURPOSE	AMOUNT D	AMOUNT \$
01.	TOTAL COST OF SURVEY		
02.	CHARGES FOR STAMP DUTY		
03.	CHARGES FOR C of O: certificate of occupancy		

SUB TOTAL = \_\_\_\_\_

The ‘Total Available Land’ for Anglican Mission Institute at Farafenni is represented by the sketch on the following page.

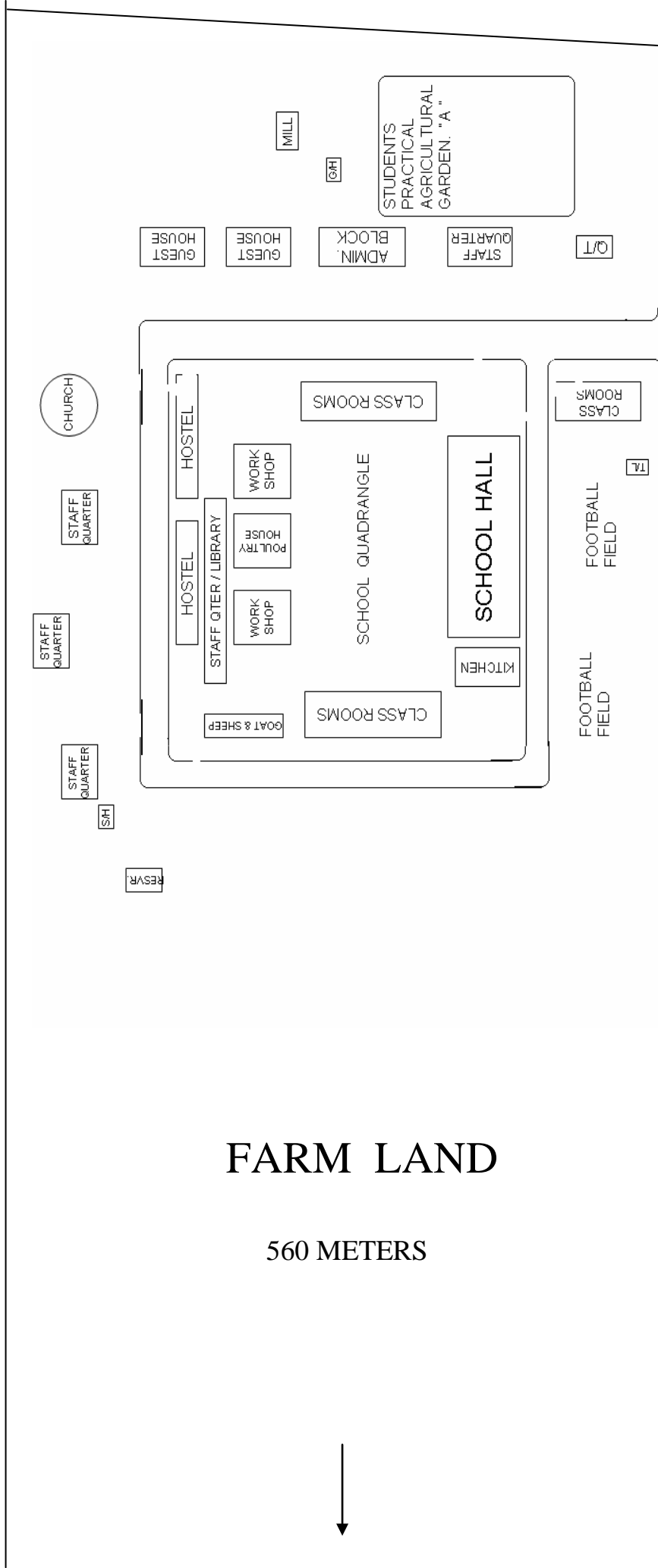
700 M

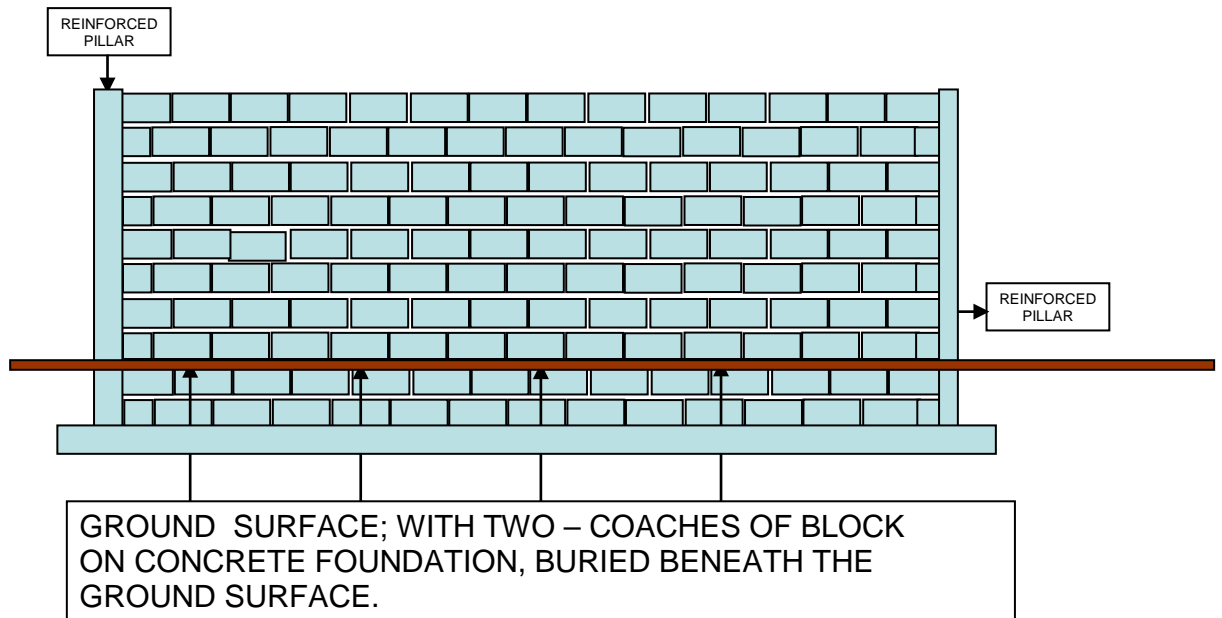
METERS

683M

# FARM LAND

560 METERS





**COST OF BLOCK FENCING OF THE TOTAL LAND  
AREA AVAILABLE**

**OPTION I:**

S/N	PURPOSE	UNIT PRICE	AMOUNT D	AMOUNT \$
01.	58,800 pieces of 6" x 6" x 18" cement blocks	D15:00	D882,000:00	31,500.00
02.	2,230 bags of cement	D350:00	D780,500:00	27,875.00
03.	8 Trips of 10wheel Truck of gravel or granites for foundations and pillars	D3,000:00	D 24,000:00	857.14
04.	30 Trips of 10wheel Truck load of setting sand	D3,000:00	D 90,000:00	3,214.30
05.	Workmanship		D500,000:00	17,857.14
06.		SUB TOTAL	D2,276,500:00	81,303.57
07.	Miscellaneous 5% of Sub Total		D113,825:00	4,065.18

TOTAL = D2,390,325:00 // \$85,368.75

**COST OF BLOCK FENCING OF THE TOTAL LAND  
AREA AVAILABLE.**

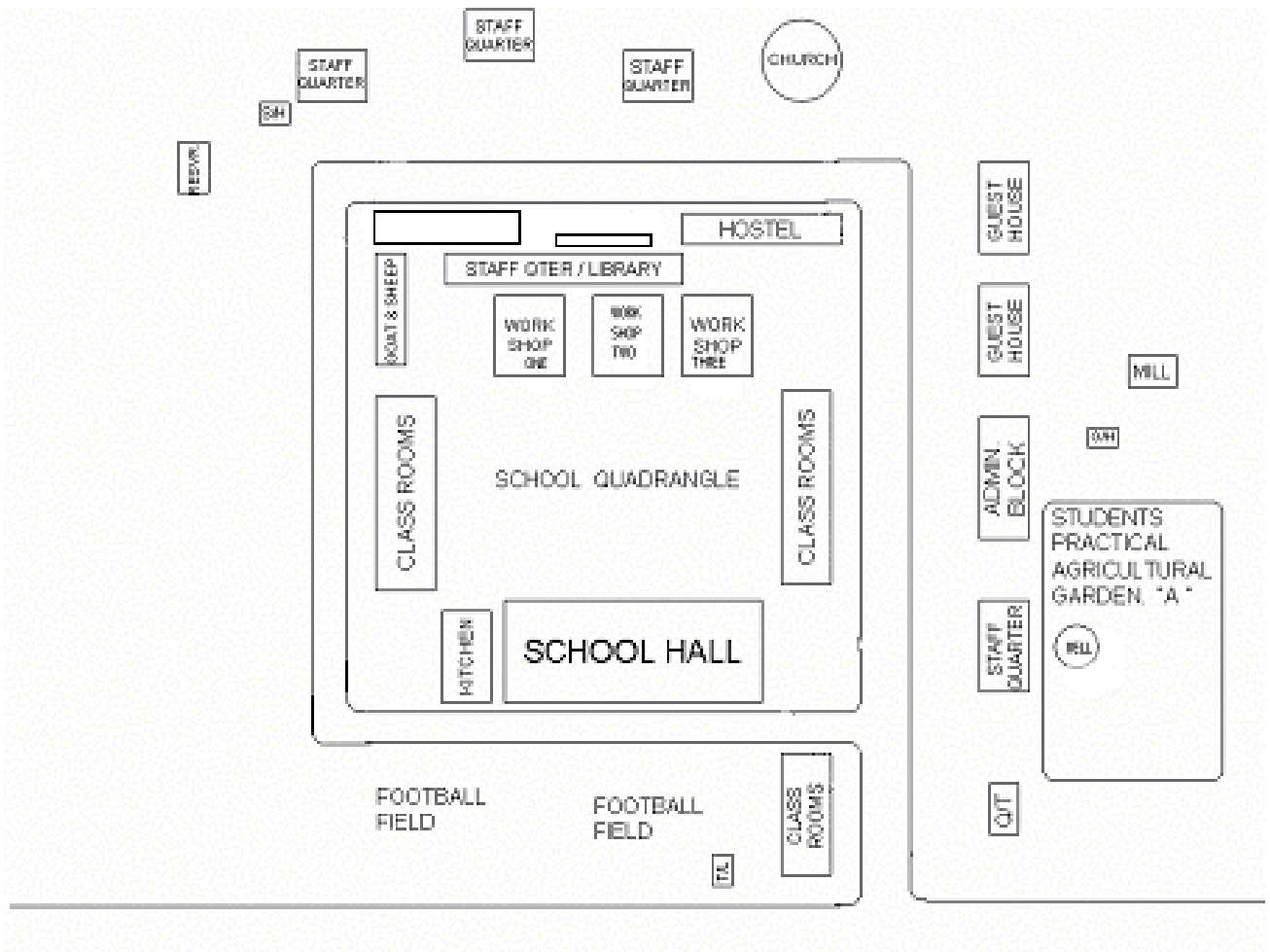
OPTION II:

DIRECT LABOUR: CREATION OF TEMPORARY EMPLOYMENT / TRAINING SESSION FOR TRAINEES IN THE BUILDING CONSTRUCTION SECTION OF THE VOCATIONAL TRAINING CENTRE.

S/N	PURPOSE	UNIT PRICE	AMOUNT D	AMOUNT \$
01.	PURCHASE OF BLOCK MOULDING MACHINE	??	??	??
02.	CONSTRUCTION OF 2000 WOODEN BLOCK PALLETS	@D15:00	30,000:00	1,071.43
03.	INSTALATION OF THE MOULDING MACHINE	??	??	??
04.	1,000 LITRES OF DIESEL FUEL FOR THE MOULDING MACHINE	@D28:00	28,000:00	1,000.00
05.	75 LORRY LOAD OF SAND	@D3,000:00	225,000:00	8,035.71
06.	1,700 BAGS OF CEMENT	@D350:00	595,000:00	21,250.00
07.	4 LABOUR TO MANAGE THE MOULDING MACHINE FOR 60 WORKING DAYS (1000 blocks/day) SALARY: 1 Supervisor @ D2,500 x 3months 3 Labours @ D2,250 x 3months N.B. 20working days = 1month 60working days = 3months.	D2,500:00 x 3 D6,750:00 x 3	7,500:00 20,250:00	267.86 723.21
08.	SUB TOTAL			
09.	MISCELLANEOUS 5% SUB TOTAL			

TOTAL = \_\_\_\_\_

C. Refurbishment of the physical facilities, available to the Anglican Mission at Farafenni Mission Station.



**2<sup>ND</sup> INFANTRY BATTALION;  
GAMBIAN ARMY  
ARMY BARRACKS**

SKETCH SHOWING THE FACILITIES AVAILABLE AT THE ANGLICAN MISSION INSTITUTE, FARAFENNI, NORTH BANK DIVISION. GAMBIA.

N.B. NOT DRAWN TO SCALE

**REFURBISHMENT OF THE EXISTING BUILDINGS.**

S/N	PURPOSE	UNIT PRICE	AMOUNT D	AMOUNT \$
01.	GENERAL PAINTING Workshop One Emulsion: 22drums Oil paint: 4drums Workshop Two Emulsion: 22drums Oil paint: 4drums Workshop Three Emulsion: 22drums Oil paint: 4drums Workmanship:	PAINT 1drum=5gallons @ D600:00 @D1,500:00 @D600:00 @D1,500:00 @D600:00 @D1,500:00 @D600:00 @D1,500:00 @D7,000:00	13,200:00 6,000:00 13,200:00 6,000:00 13,200:00 6,000:00 21,000:00	471.43 214.29 471.43 214.29 471.43 214.29 750.00
02.	REPLACEMENT OF WINDOWS & DOORS Workshop One: Workshop Two: Workshop Three: Workmanship:		14,000:00 14,000:00 8,000:00 9,000:00	500.00 500.00 285.71 321.43
03.	REPLACEMENT OF DAMAGED CEILINGS: 800 pieces of 4ftx8ft ceilings: Replacement of Palm runs Workmanship	@D250:00x800 @D150:00x200	200,000:00 30,000:00 50,000:00	7,142.86 1,071.43 1,785.71
04.	REFURBISHING THE SCHOOL HALL Painting: Emulsion: 60drums Oil paint: 8drums 40 ceiling Fans: Louver Blades: 500 white plastic chairs: 4 double-panel Iron doors: Workmanship: Painting: Fixing of ceiling fans Louver blades Fixing Iron doors	@D600:00 @D1,500:00 @2,000:00 14,000:00 @D200:00 @D2,500:00 20,000:00 @D250:00 5,000:00 @D750:00	36,000:00 12,000:00 80,000:00 14,000:00 100,000:00 10,000:00 20,000:00 10,000:00 5,000:00 3,000:00	1,285.71 428.57 2,857.14 500.00 3,571.43 357.14 714.29 357.14 178.57 107.14
05.		SUB TOTAL	693,600:00	24,771.43
06.	Miscellaneous	5% of Total	34,680:00	1,238.57
TOTAL=			D728,280:00 //	\$26,010.00

THE TOTAL AMOUNT REQUIRED FOR PHASE ONE OF THE  
REACTIVATION OF THE ANGLICAN MISSION INSTITUTE FARM  
AT FARAFENNI IS :

S/N	PURPOSE	AMOUNT IN DALASIS	AMOUNT IN U.S. DOLLARS
01.	TOTAL COST OF LAND SURVEY		
02.	BLOCK FENCING OF THE TOTAL AVAILABLE LAND	D2,390,325:00	\$85,368.75
03.	REFURBISHMENT OF THE PHYSICAL STRUCTURE	D728,280:00	\$26,010.00

PHASE ONE TOTAL =

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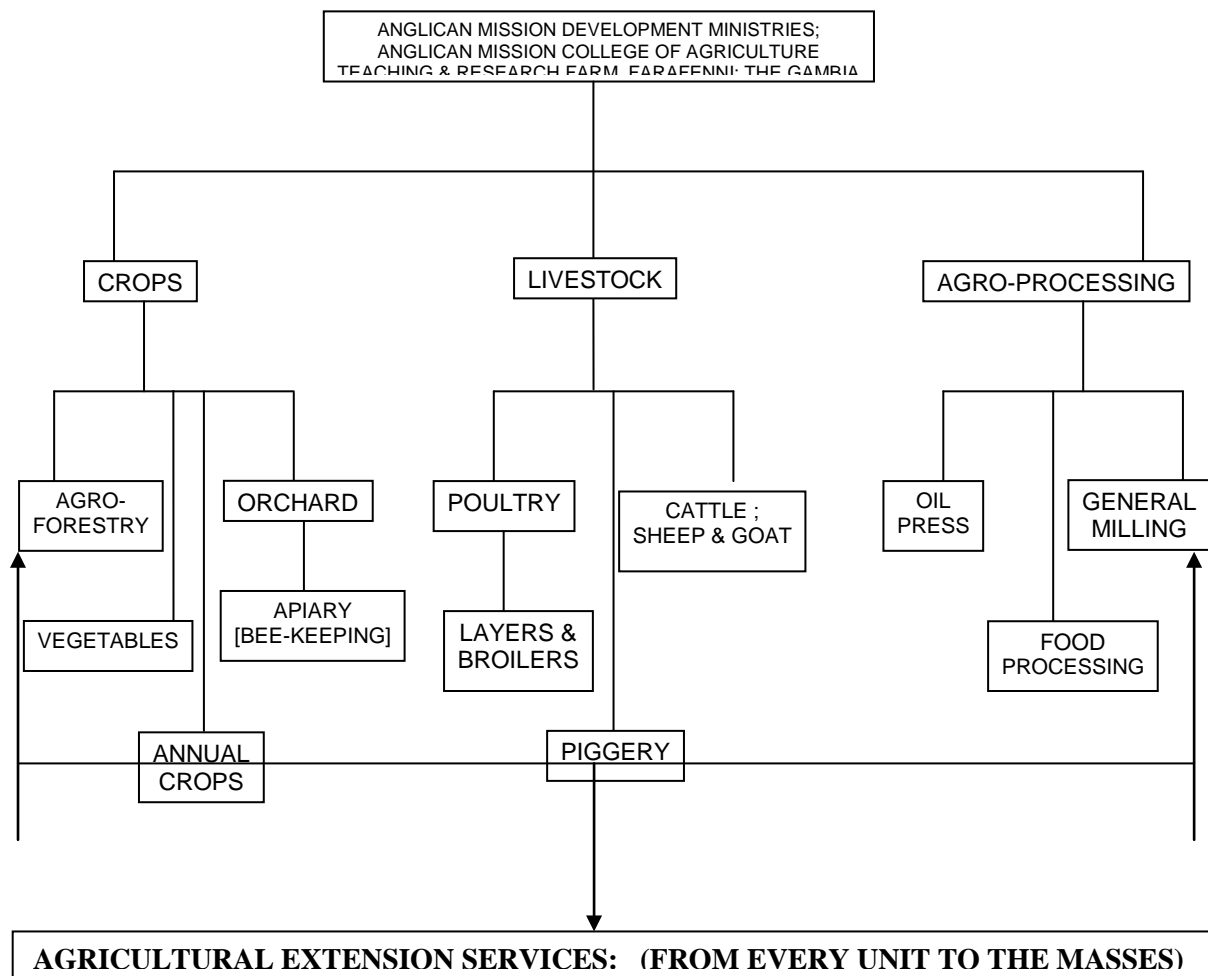
**PHASE TWO:**

This will include:-

[a] The employment of the Farm Manager and the supporting work force, to

start all over again, the Agricultural Activities which would form the basic foundation to support the Teaching and Research programmes.

- [b] Every Agricultural Enterprise represented on the farm must be reactivated and sustained.



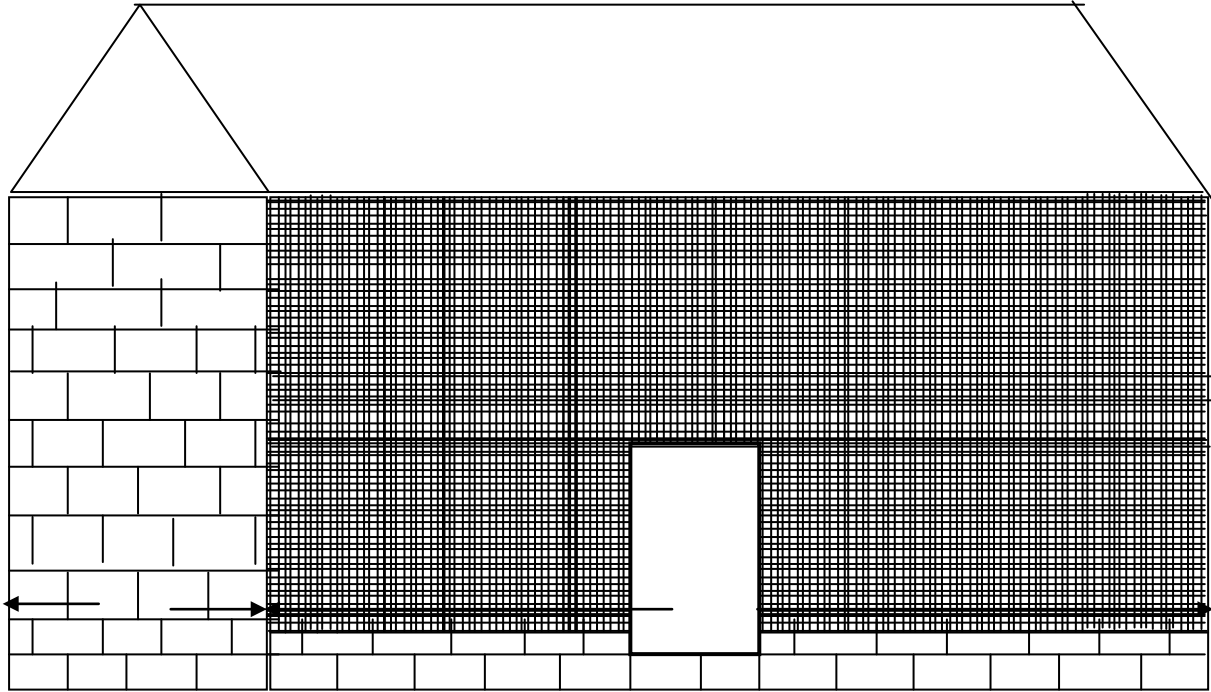
**BASIC UNITS OF THE TEACHING & RESEARCH FARM.  
ANGLICAN MISSION DEVELOPMENT MINISTRIES; FARAFENNI.**

The above sketch shows every unit that must be reactivated on the farm; there is need to follow the sketch strictly, since these were the Agricultural Enterprises that had been represented on the farm since its inception. Piggery that was not represented initially, should be incorporated at an appropriate time, well before the farm must have stabilized.

**POULTRY ENTERPRISES : 1000 LAYERS**

FINANCIAL IMPLICATION:

S/N	ITEM	UNIT COST IN DALASIS	TOTAL COST IN DALASIS	TOTAL COST IN U.S. \$
01.	1000 Day old chicks		D34,020:00	\$1,215:00
02.	Transportation for booking & collection.		2,500:00	89.29
03.	Equipment: 25 chick feeders 25 chick drinkers 50 Growers feeding troughs 50 Growers drinking troughs	@D75 @D100 @D200 @D250	1,875:00 2,500:00 10,000:00 12,500:00	66.96 89.29 357.14 446.43
04.	Feed: 33bags of starter feed; (day-old to 5weeks old) 135bags of grower feed; (6weeks old to 14weeks old) 336bags of layers feed; (15wks. old to 25wks. old)	@D320 x 33 @D275 x 135 @D300 x 336	10,560:00 37,125:00 100,800:00	377.14 1,325.89 3,600.00
05.	Brooding: 5Kerosene stoves 70 litres of kerosene	@ D350:00 @D22:00	1,750:00 1,540:00	62.50 55:00
06.	4, 2-tiers, 80units Laying nest or Boxes.	@D6,000:00 x 4	24,000:00	857.14
07.	8 Vaccinations & Medication	@ D1000:00	8,000:00	285.72
08.	Veterinary Consultation Fee	D500:00 / month for 6 months.	3,000:00	107.14
09.	2 Poultry Attendants for 6months	@ D1500:00/month = D3000:00/month	18,000:00	642.86
10.	Farm Manager salary for 6months	@D6000:00/month	36,000:00	1285.72
11.	NAWEC Utilities for 6months	@500:00/month	3,000:00	107.14
12.		SUB TOTAL	307,170:00	10,970.36
13.	Miscellaneous	5% of Sub Total	15,358:50	548.52
TOTAL =			D322,528:50	11,518.88



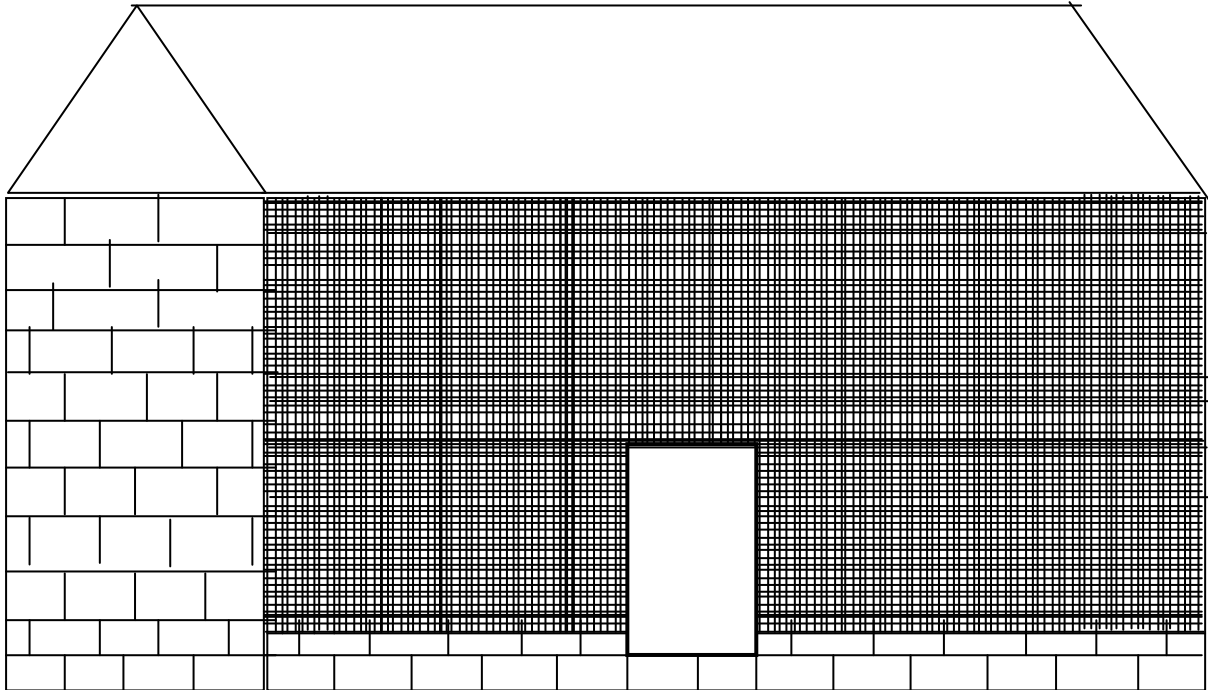
EXTERNAL VIEW OF A TROPICAL POULTRY PEN.  
(NOT DRAWN TO SCALE)

S/N	PURPOSE	UNIT COST	TOTAL COST IN DALASIS	TOTAL COST IN U.S. DOLLAR
01.	POULTRY PEN :13m x 24m	D275,000:00	275,000:00	9,821.43
02.	MISCELLANEOUS	5% OF TOTAL	13,750:00	491.07
TOTAL=			<u>D288,750:00</u>	<u>// \$10,312.50</u>

**POULTRY ENTERPRISE: 600 BROILERS**

FINANCIAL IMPLICATION:

S/N	ITEM	UNIT COST IN DALASIS	TOTAL COST IN DALASIS	TOTAL COST IN U.S. \$
01.	600 Day old chicks	D25.95	D15,573:00	\$537:00
02.	Transportation for booking & collection.		3,000:00	107.14
03.	Equipment:25 Chick feeders	@D75:00	1,875:00	66.96
	25 chick drinkers	@D100:00	2,500:00	89.29
	20 Growers feeding troughs	@D200:00	4,000:00	142.86
	20 Growers drinking troughs	@D250:00	5,000:00	178.57
04.	Feed: 19bags of starter feed; [Day old to 4 weeks old]	@D320:00 x 19	6,080:00	217.14
	85bags of finisher feed [5weeks old to 10weeks old]	@D300:00 x 85	25,500:00	910.71
05.	Brooding:3 Kerosene stoves	@ D350:00	1050:00	37.50
	40 litres of kerosene	@D22:00	880:00	31.43
06.	4 Vaccinations & Medication	@ D450:00	1800:00	64.29
07.	Veterinary Consultation Fee	D500:00 / month for 2.5 months.	1250:00	44.64
08.	1Poultry Attendant for 3 months	D1500:00/month	4500:00	160.72
09.	NAWEC Utilities for 3months	@400:00/month	1200:00	42.86
10.		SUB TOTAL	74,208:00	2,650.29
11.	Miscellaneous	5% of Sub Total	3,710:40	132.51
		SUB TOTAL =	D77,918:40	\$2,782.80



EXTERNAL VIEW OF A TROPICAL POULTRY PEN.

(NOT DRAWN TO SCALE)

S/N	PURPOSE	UNIT COST	TOTAL COST IN DALASIS	TOTAL COST IN U.S. DOLLAR
01.	POULTRY PEN :13m x 24m	D275,000:00	275,000:00	9,821.43
02.	MISCELLANEOUS	5% OF TOTAL	13,750:00	491.07
TOTAL=			<u>D288,750:00</u>	<u>// \$10,312.50</u>

**RUMINANT ENTERPRISES:**

(i) CATTLE

(ii) SHEEP & GOAT

FINANCIAL IMPLICATIONS:

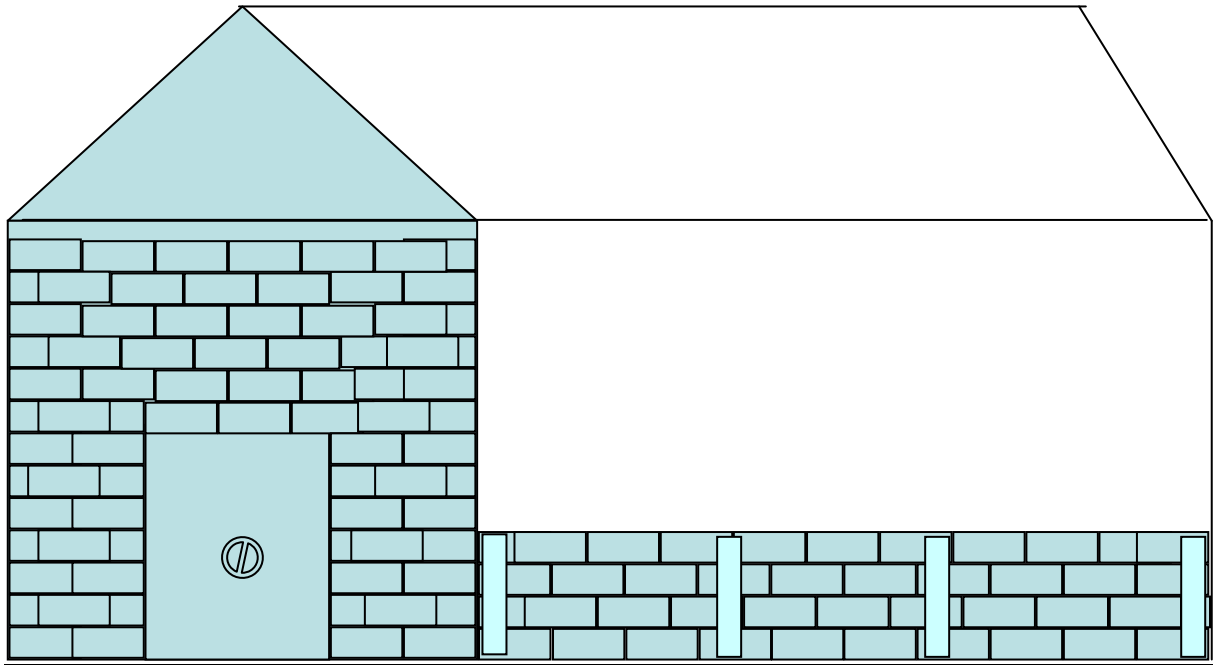
S/N	ITEM	UNIT COST IN DALASIS	TOTAL COST IN DALASIS	TOTAL COST IN U.S DOLLAR
1.	Feeding Troughs x 20 Drinking Troughs x 20	D200 D150	4,000:00 3,000:00	\$142.86 107.14
2.	<u>Sheep:</u> Pregnant Female x 20 Prolific Female x 10 Serving male x 5  <u>Goat:</u> Pregnant Female x 20 Prolific Female x 10 Serving male x 5  <u>Cattle:</u> Pregnant Cows x 10 Prolific Heifers x 15 Serving Bulls x 3	@D1,200 x 20 @D1,000 x 10 @D1,000 x 5  @D1,200 x 20 @D1,000 x 10 @D1,000 x 5  @D6,000 x 10 @D3,500 x 15 @D6,000 x 3	24,000:00 10,000:00 5,000:00  24,000:00 10,000:00 5,000:00  60,000:00 52,500:00 18,000:00	857.14 357.14 178.57  857.14 357.14 178.57  2,142.86 1,875.00 642.86
3.	<u>Feed:</u> Millet; 50kg bag x 25 Guinea corn; 50kg bag x 20 Rice bran; 50kg bag x 150 Groundnut hay = 100bags Sweet Potato hay = 120bags Groundnut cake = 800kg Sesame cake = 600kg Salt lick ( 6 )	@D500 x 25 @D500 x 20 @D100 x 150 @D60 x 100 @D60 x 120 @D30 x 800 @D35 x 600 @D100 x 6	12,500:00 10,000:00 15,000:00 6,000:00 7,200:00 24,000:00 21,000:00 600:00	446.43 357.14 535.71 214.29 257.14 857.14 750.00 21.43
4.	Medication & Vaccination Veterinary consultation fee	D1000/mnth x 6 D500/month x 6	6,000:00 3,000:00	214.29 107.14
5.	Labour : Farm Manager 2 Shepherds @ D1,500/month	D6,000:00 x 6 D3,000:00 x 6	36,000:00 18,000:00	1285.71 642.86
6.	Transportation	D1,000:00 x 6	6,000:00	214.29
7.	NAWEC Utilities	D600:00 x 6	3,600:00	128.57
		SUB TOTAL	D384,400:00	13,728.57
8.	Miscellaneous	5% of Sub Total	D 19,220:00	686.43
TOTAL =			D403,620:00 /	\$14,415.00

## PASTURE / RANGE ESTABLISHMENT

### FINANCIAL IMPLICATION

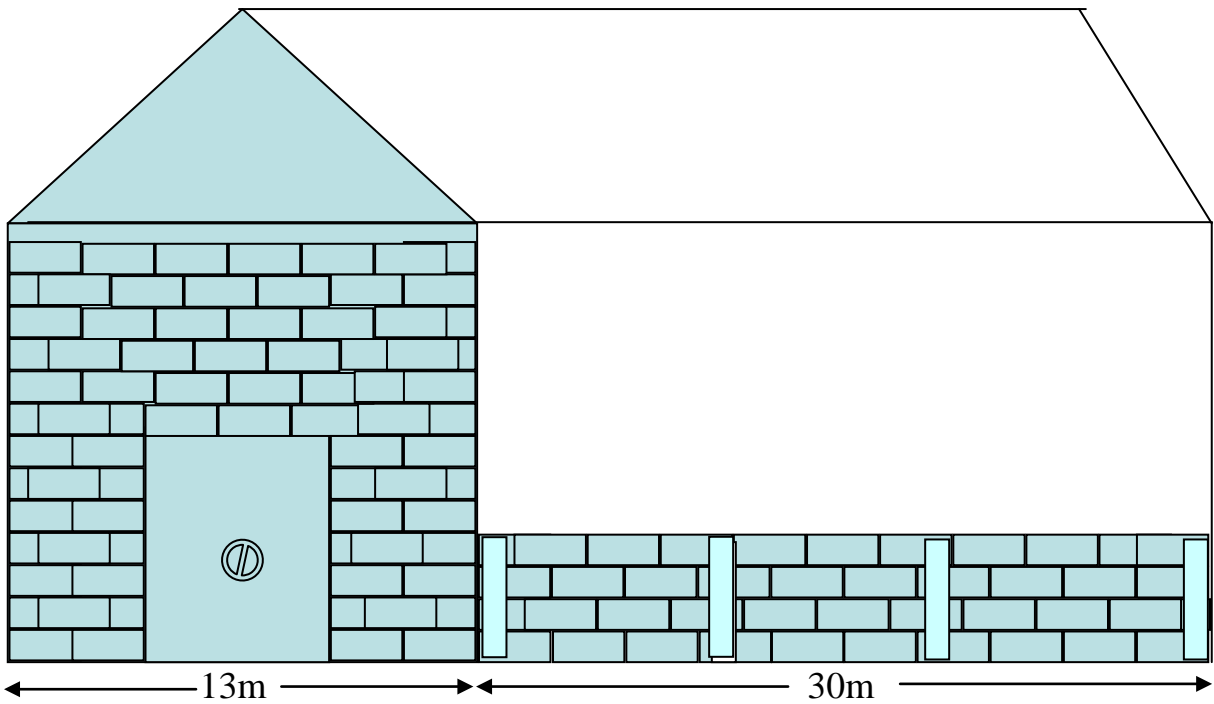
S/N	PURPOSE	UNIT COST IN DALASIS	TOTAL COST IN DALASIS	TOTAL COST IN U.S. DOLLAR
1.	Wood & Wire fencing of 4 acres of Pasture : Wooden planks (removed from perimeter fence) & then supplemented Wire & nails (wire from the perimeter fence & then supplemented Labour		6,000:00  15,000:00 8,000:00	214.29  535.71 285.71
2.	Pasture / Forage seeds 20packts	@ D100	2000:00	71.43
3.	Ploughing 4 acres	@D800/acre	3,200:00	114.29
4.	Planting of 4 acres	@D250/acre	1,000:00	35.71
5.	Fertilizer: N:P:K: 26:12:12 50kg x 10 bags	@D900:00	9,000:00	321.43
SUB TOTAL =			D44,200:00 //	\$1,578.57

## HOUSING FOR THE RUMINANTS:



**RUMINANT HOUSE: FOR SHEEP & GOATS = D100,000:00**

**N.B. NOT DRAWN TO SCALE**



**RUMINANT HOUSE: FOR CATTLE = D100,000:00**

**N.B. NOT DRAWN TO SCALE**

**FARM IMPLEMENTS & MACHINERIES.**

S/N	PURPOSE	UNIT COST	TOTAL COST IN DALASIS	TOTAL COST U.S. DOLLARS
01.	Well maintained, overhauled used Mercy Ferguson; John Deer OR David Brown 45-55 hp Tractor Head; All Attachments; Plough, Harrow, Ridger, Planter, Boon Sprayer & Trailer Transportation & Shipping from United States of America. OR <b>Mercy Ferguson Tractor head 65 hp; Disc plough and Trailer (all brand new from CFAO, Gambia Ltd.)</b>		<b><u>OPTION A</u></b> <b>504,000:00</b>	18,000.00
			<b><u>OPTION B</u></b> <b>1,490,000:00</b>	53,214.29
02.	Small Scale Irrigation Equipment (Sprinkler Irrigation)		126,000:00	4,500.00
03.	Oil Extraction Machine		154,000:00	5,500.00
04.	Rice hulling/Polishing Machine. Model JB 30		134,400:00	4,800.00
05. *****	Medium Size Poultry Cabinet Incubator (1000-1500 eggs per setting); with 4.5KV standby generator OR preferably Solar Powered.		224,000:00	8,000.00
06.	Medium Size Feed Mill		140,000:00	5,000.00
07.	Medium Size Feed Mixer		70,700:00	2,525.00
08.	Weighing Scale		17,500:00	625.00
09.	Polythene bag; Paper bag & cardboard boxes packaging machine.		20,000:00	714.29

TOTAL=

**Total Cost of Implements & Machineries (with overhauled used tractor and attachments from U.S.A.) Option A= D1,390,600:00 = \$49,664.29**

**Total Cost of Implements & Machineries (with brand new tractor and attachments from C.F.A.O. Gambia Ltd.) Option B= D2,376,600:00 = \$84,878.57**

THE TOTAL AMOUNT REQUIRED FOR PHASE TWO OF THE  
REACTIVATION OF THE ANGLICAN MISSION INSTITUTE FARM  
AT FARAFENNI IS :

**OPTION A**

S/N	PURPOSE	AMOUNT IN DALASIS	AMOUNT IN U.S. DOLLARS
01.	1000 LAYERS	322,528:50	11,518.88
02.	13m x 24m LAYERS PEN	288,750:00	10,312.50
03.	600 BROILERS	77,918:40	2,782.80
04.	13m x 24m BROILER PEN	288,750:00	10,312.50
05.	RUMINANTS	403,620:00	14,415.00
06.	PASTURE / RANGE ESTABLISHMENT	44,200:00	1,578.57
07.	RUMINANT HOUSING	200,000:00	7,142.86
08.	FARM IMPLEMENTS & MACHINERIES : <b><u>OPTION A</u></b>	1,390,600:00	49,664.29
PHASE TWO TOTAL =		D3,016,366:90	\$107,727.39

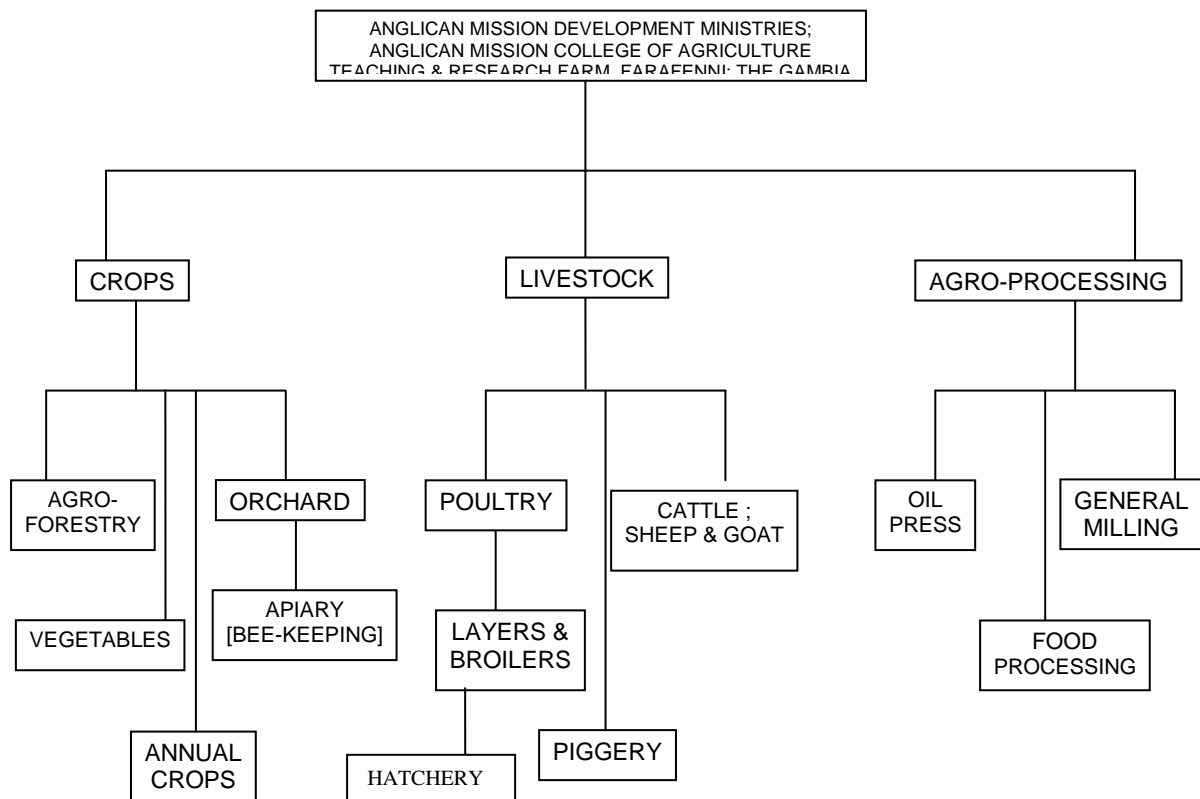
**OPTION B**

S/N	PURPOSE	AMOUNT IN DALASIS	AMOUNT IN U.S. DOLLARS
01.	1000 LAYERS	322,528:50	11,518.88
02.	13m x 24m LAYERS PEN	288,750:00	10,312.50
03.	600 BROILERS	77,918:40	2,782.80
04.	13m x 24m BROILER PEN	288,750:00	10,312.50
05.	RUMINANTS	403,620:00	14,415.00
06.	PASTURE / RANGE ESTABLISHMENT	44,200:00	1,578.57
07.	RUMINANT HOUSING	200,000:00	7,142.86
08.	FARM IMPLEMENTS & MACHINERIES : <b><u>OPTION B</u></b>	2,376,600:00	84,878.57
PHASE TWO TOTAL =		D4,002,366:90	\$142,941.68

**PHASE THREE:**

This would include consolidating, every Agricultural Enterprise represented at the Institute, to such a formidable level as to providing a reliable Agricultural Database, as much as possible for the Division and the country at large. Expansion programme for the physical facilities to take care of the Institute for a long time to come.

At this point in time, every Agricultural unit represented on the farm must be able to produce a perfect working record that can be used as a standard for the Division and the country at large. Every data collected must be dated, well recorded and kept safe and secured with necessary back up.



The piggery may be included at this point in time and the orchard extended. The record of the regular annual crops and every other units of the farm must be ***outstandingly informative and educative.***

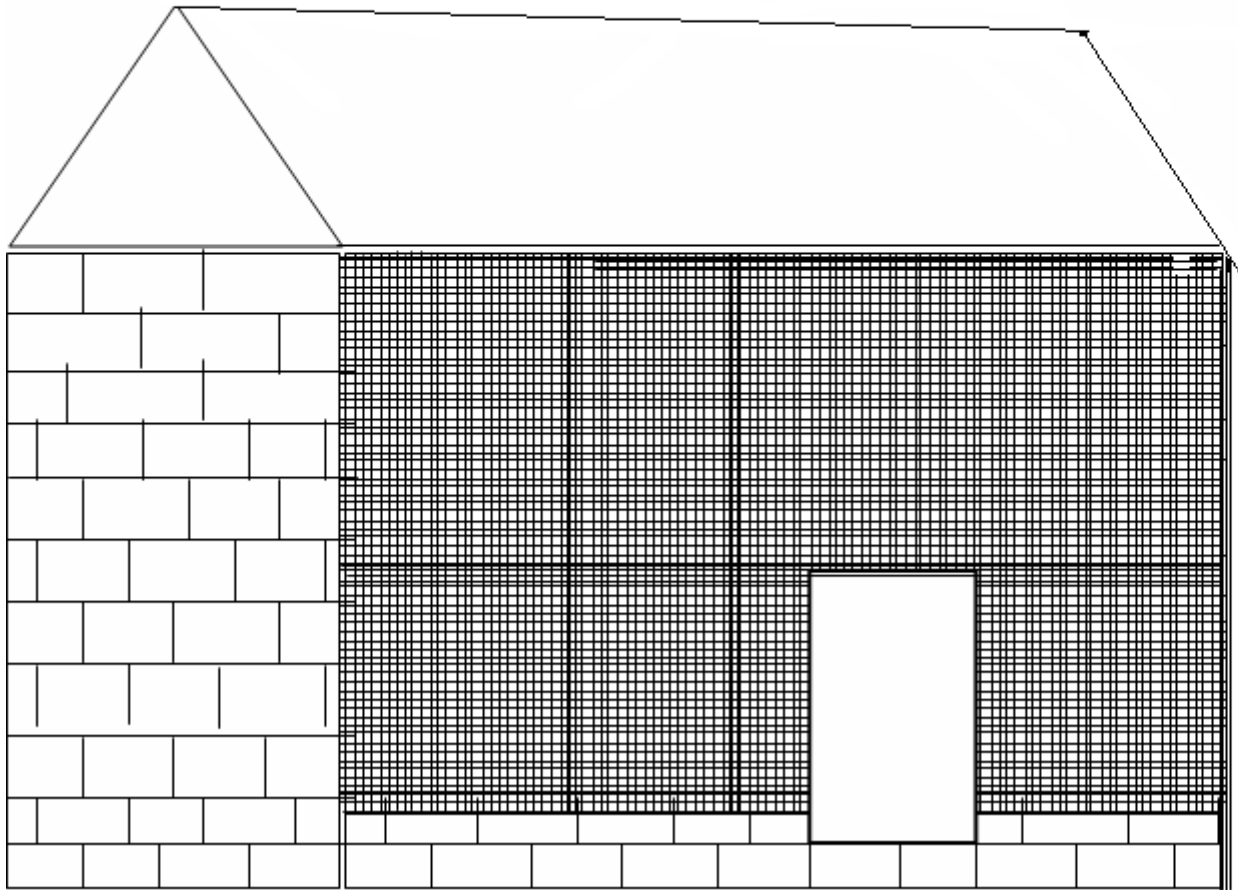
The hatchery may be introduced here, with the parent/breeder stock for layers and broilers. The eggs produced by the breeder stock are set in the incubator for 21days, with uninterrupted power supply.

The chicks would be sold to the general public in an attempt to encourage backyard poultry units and consequently the birth of small scale poultry farms within and around the community.

**LAYERS AND BROILERS PARENT/BREEDER STOCK.**

S/N	PURPOSE	UNIT PRICE	TOTAL PRICE IN DALASIS	TOTAL PRICE IN U.S. DOLLAR
01.	350 Day old chicks of Parent/Breeder Stock [Layers] : {275female & 75male chicks }	@ D50 x 350	17,500:00	625.00
02.	350 Day old chicks of Parent/Breeder Stock [Broilers] : {275female & 75male chicks }	@ D50 x 350	17,500:00	625.00
03.	70 chicks feeders	@ D75 x 70	5,250:00	187.50
04.	70 chicks drinkers	@ D100 x 70	7,000:00	250.00
05.	40 Growers feeding troughs	@ D200 x 40	8,000:00	285.71
06.	40 Growers drinking troughs	@ D250 x 40	10,000:00	357.14
07.	Brooding: 4 Kerosene stoves 60 Litres of kerosene	@ D350 x 4 @ D22 x 60	1,400:00 1,320:00	50.00 47.14
08.	10 vaccinations & medications	@ D800 x 10	8,000:00	285.71
09.	Veterinary consultation	@ D700 x 12	8,400:00	300.00
10.	NAWEC utilities	@ D500 x 12	6,000:00	214.29
11.	Standby Generator : 4.5 KV attached to the incubator.	@ D15,000:00	15,000:00	535.71
12.	Fueling the generator for 15hours/day for 23days x 12months.	10 litre Petrol / day of 15 hours @D30/litre	82,800:00	2957.14
13.	Feeding: 30bags of Chicks Mash: [Day old -6 <sup>th</sup> week] 80bags of Growers Mash [7 <sup>th</sup> – 13 <sup>th</sup> week] 276bags of Layers Mash [14 <sup>th</sup> – 27 <sup>th</sup> week]	D320 x 30 D270 x 80 D300 x 276	9,600:00 21,600:00 82,800:00	342.86 771.43 2,957.14
14.	2-tiers, 80 units laying nests. [1 for layer stock and 1 for broiler stock]	D6,000 x 2	12,000:00	428.57
15.	Miscellaneous:	5%of sub-total	15,708:50	561.02
TOTAL =			D329,878:50	11,781.38

EXTERNAL VIEW OF A TROPICAL POULTRY PEN.  
NOT DRAWN TO SCALE



EACH OF THIS SHOULD BE MADE AVAILABLE FOR THE PULLET  
PARENT/BREEDER STOCK & BROILER PARENT/BREEDER STOCK.  
EACH COSTING D180,000:00 x 2 = D360,000:00 ===== \$12,857.14

THE TOTAL AMOUNT REQUIRED FOR PHASE THREE OF THE  
REACTIVATION OF THE ANGLICAN MISSION INSTITUTE FARM  
AT FARAFENNI IS :

S/N	PURPOSE	AMOUNT IN DALASIS	AMOUNT IN U.S. DOLLARS
01.	PARENTS STOCK HOUSING	D360,000:00	12,857.14
02.	LAYERS & BROILER PARENT STOCKS	D329,878:50	11,781.38
03.	5% Sub-Total	D34,493:93	1,231.93
PHASE THREE TOTAL =		D724,372:43	25,870.44

#### **PHASE FOUR:**

- [a] Provision of the required infrastructure and the registration of the Anglican Mission College of Agricultural Sciences with the Department of State for Education.
- [b] Employment of the Academic and Non-academic staff, starting with the Provost, Registrar and the Academic staff.
- [c] This would be followed by enrollment of students into degree programmes in the College of Agricultural Sciences.

#### **[a] Provision of the Required Infrastructure and The registration of the Anglican Mission College of Agricultural Sciences with the Department of State for Education.**

There is need to make available the basic amenities that will make the registration of the College a possibility since the Government may not be able to do it all.

The availability of the basic required infrastructure **may** encourage the Government to give unconditional approval to the proposed Anglican Mission College of Agricultural Sciences.

#### **COST OF BUILDING CONSTRUCTION.**

S/N	PURPOSE	UNIT PRICE	AMOUNT D	AMOUNT \$
01.	TEN OFFICE ACCOMMODATION		750,000:00	26,785.71
02.	FOUR 3-BEDROOM FLAT	@D290,000:00	1,160,000:00	41,428.57
03.	FOUR 2-BEDROOM FLAT	@D257,325:00	1,029,300:00	36,760.71
04.	TEN BED-SIT ACCOMMODATION		900,000:00	32,142.86
05.	LIBRARY		2,000,000:00	71,428.57
06. ***	FEMALE HOSTEL ACCOMMODATION 48 ROOMS of 14' x 14'		2,000,000:00	71,428.57
07. ***	MALE HOSTEL ACCOMMODATION 48 ROOMS of 14' x 14'		2,000,000:00	71,428.57
		<b>SUB TOTAL</b>	<b>9,839,300:00</b>	<b>351,403.57</b>
08.	MISCELLANEOUS	5% OF SUB-TOTAL	491,965:00	17,570.18

**TOTAL = D10,331,265:00 // \$ 368,973.75**

N.B. \*\*\* OPTIONAL

CLEARANCE AND AUTHORITY FROM THE  
DEPARTMENT OF STATE FOR EDUCATION  
TO ESTABLISH  
NATIONAL DIPLOMA AWARDING  
COLLEGE OF AGRICULTURAL SCIENCES

It is strongly believed that the great success of the Agricultural Secondary School, will immediately justify the establishment of a National Diploma Degree awarding College of Agricultural Sciences.

It is expected that the Agricultural Secondary School will feed adequately the College.

The Teaching & Research Farm would have gone well ahead as to being a standard practical field for the College of Agricultural Sciences.

In view of this;

ANGLICAN MISSION COLLEGE OF AGRICULTURAL SCIENCES

is thereby proposed

which would be operating as a **Tertiary Institution**, awarding National Diploma degree in Agricultural Sciences; and may be expanded in the nearest future to accommodate other areas of National Interest/ National Development.

This is supposed to be a two-year course, directed towards providing the required manpower in the National Agricultural Sector, and further encouraging the development of the Agricultural sector.

The Certified Vocational Training courses would still be made available to the populace that can not meet up with the requirement for admission into Diploma programmes.

**THE COLLEGE OF AGRICULTURAL SCIENCES:  
DEPARTMENTS & UNITS.**

The following departmental structure has been suggested for the College of Agricultural Sciences pending the final approval by the Department of State for Education.

**COLLEGE OF AGRICULTURAL SCIENCES:**

The proposed College of Agricultural Sciences shall be made up of the following Departments:

- a. DEPARTMENT OF AGRONOMY/CROP SCIENCE
- b. DEPARTMENT OF ANIMAL SCIENCE
- c. DEPARTMENT OF AGRICULTURAL ENGINEERING
- d. DEPARTMENT OF AGRICULTURAL EXTENSION
- e. DEPARTMENT OF AGRICULTURAL ECONOMICS

Each of the department is made up of the following units or area of specialization:-

**(a) DEPARTMENT OF AGRONOMY/CROP SCIENCE:**

- (i) Crop Production
- (ii) Crop Protection
- (iii) Soil Science
- (iv) Forestry
- (v) Pasture Establishment & Management

**(i) Crop Production:**

- Arable Crops
- Permanent Crops
- Horticulture
- Irrigation Farming

**(ii) Crop Protection:**

- Entomology
- Plant Diseases. (Pathogenic & Non-pathogenic)
- Insect Pest Control / Management
- General Pest Control / Management
- Disease Control/Plant Quarantine.

(iii) Soil Science

- Soil Paedology & Classification
- Soil Conservation / Management
- Soil Fertility & Management
- Fertilizer Technology & Manufacture : (Organic & Inorganic)

(iv) Forestry

- Agro-Forestry Economics
- Forest Establishment & Management
- Forest Conservation & Management
- Forest Reserve & Games Reserve Management.

(v) Pasture Establishment & Management

- Weeds and Forage Crops.
- Identification and Management of common forage crops.
- Preparation Technique for forage crop pellets.
- Emphases on :
  - \* Northern Gamba grass (*Andropogon gayanus*)
  - \* Southern Gamba grass (*Andropogon tectorum*)
  - \* Star Grass ( *Cynodon nlemfuensis*)
  - \* Guinea Grass (*Panicum maximum*)
  - \* Elephant Grass (*Panicum purpureum*)
  - \*Centro (*Centrosema pubescens*)
  - \* Calopo (*Calopogonium mucunoides*)
  - \* Perennial soyabeans (*Glycine wightii*)
  - \* Pueraria (*Pueraria phaseoloides*)
  - \* Stylo (*Stylozanthus gracilis*)

(b) DEPARTMENT OF ANIMAL SCIENCE:

- (i) Non-Ruminant : Poultry & Piggery
- (ii) Ruminant : Goat; Sheep; Cattle & Rabbit
- (iii) Animal Health
- (iv) Animal Breeding

(i) Non-Ruminant

- \* Poultry : Broilers ; Layers ; Games birds.
- \* Poultry Housing
- \* Production & Management
- \* Feed Formulation / Composition
- \* Reproduction / Incubation Technology / Hatchery Management

Piggery

- Production & Management
- Reproduction & Management
- Housing
- Feed Formulation & Composition.

(ii) Ruminant : Goat ; Sheep ; Cattle ; Rabbit;

- Production & Management
- Reproduction & Management
- Housing
- Feed Formulation / Composition
- Pasture Establishment & Management.

(iii) Animal Health

- Diseases (Pathogenic & Non-pathogenic)
- Diseases [Ruminants & Non-ruminants]
- Mental ailment
- Preventive & Curative Management
- Disease Control/Animal Quarantine.

(iv) Animal Breeding

- Animal Breeding Technology
- Natural Selection
- Cross Breeding & Artificial Insemination
- Parent Stock & Progeny Management

© DEPARTMENT OF AGRICULTURAL ENGINEERING:

- (i) Farm Machinery & Implements
- (ii) Farm Machinery Maintenance
- (iii) Fabrication & Maintenance
- (iv) Agricultural Food Processing.

(i) Farm Machinery & Implements

- \* Agricultural Machines for various Agro-based processing industries.
- \* Tractor head and its attachments : Plough ; Harrow ; Ridger ; Planter; Sprayer ; Harvester
- \* Operational Technique of Farm Machinery and Implements.

(ii) Farm Machinery Maintenance:

- Operational Technique of Farm Machines and Implements
- Maintenance and Repair of machines and implements.
  - \* Mechanical maintenance & repair
  - \* Electrical maintenance & repair
  - \* Panel Body maintenance & repair

(iii) Fabrication and Maintenance:

- Panel Body Fabrication
- Fabrication of worn-out mechanical parts
- Fabrication of worn-out electrical parts
- Oxy-acetylene gas welding & Electrode welding

(iv) Agricultural Food Processing I:

- Cereals (Coos) shelling & milling machines
- Rice hulling and polishing machines
- Groundnut and Cashew nut roaster
- Oil Press & Extraction machine
- Fish and Meat roaster

(iv) Agricultural Food Processing II:

- Processing of Cereals ; Local & International products
- Processing of Fruits ; Local & International products
- Processing of Groundnut & Cashew; Local & International products
- Processing of Potatoes (Sweet & Irish); Local & International products
- Fish & Meat Processing ; Canning ;
- Fish and Meat Processing ; oven-drying

(d) DEPARTMENT OF AGRICULTURAL EXTENSION:

- \* Agricultural Sociology.
- \* Cross-cultural Communication.
- \* Principles of Education / Teaching of Agricultural Sciences in Schools.
- Communication Art.
- Rural Agricultural Extension Services.

(e) DEPARTMENT OF AGRICULTURAL ECONOMICS:

- \* Basic Principles of Economics.
- \* Agricultural Statistics & Biometry.
- \* Principles of Farm Budgeting & Management.
- \* Agricultural Finance & Marketing
- \* Agricultural Finance & Insurance
- \* Human Resource Management.
- \* Farm Management

*With these highlighted areas, comprehensive and detailed course outlines should be made available by the Departments of State for Education and Agriculture.*

REGISTRATION OF THE COLLEGE OF AGRICULTURE:

S/N	PURPOSE	AMOUNT D	AMOUNT \$
01.	REGISTRATION FORM		
02.	REGISTRATION FEE		
03.	INSPECTION OF FACILITY/INFRASTRUCTURE		
04.	OTHER CAPITAL BASE		
05.	MISCELLANEOUS		

SUB TOTAL =

\_\_\_\_\_

**[b] Employment of the Academic and Non-academic staff, starting with the Provost, Registrar and the Academic staff.**

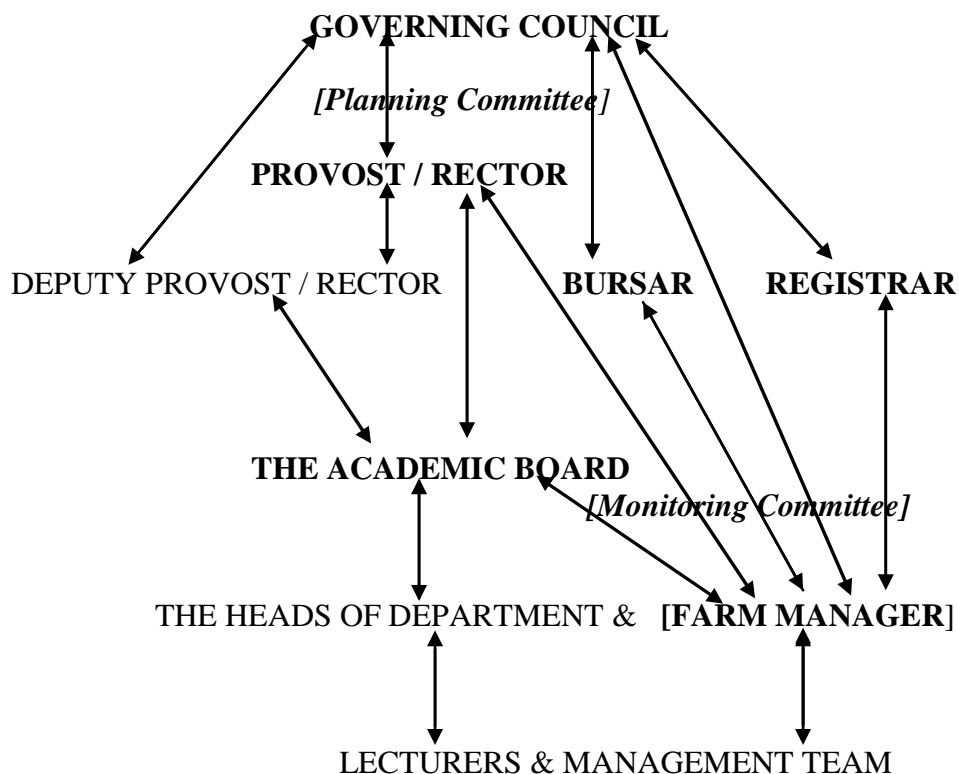
There is need for a proper Administrative setup, with lines of communication clearly indicated. This will help in building ‘Team Leadership’ and consequently, ‘Team Work’ for the success of the Institute.

Re-structuring of the Administrative set up will now include; The Governing Council, The Provost / Rector of the College of Agriculture, The Deputy Provost/Rector; The Academic Board, Senior Staff Management Team, Planning Committee and Monitoring Committee. **The Academic Board must include seasoned Educationists and Agriculturists, both at Government and Private levels.**

**At every level of administration, the community is expected to be well represented, so as to give them the sense of belonging and joint ownership.** This will make the planning and monitoring units to be fully committed to success and continuity.

**ANGLICAN MISSION COLLEGE OF AGRICULTURAL SCIENCES;**

**PROPOSED ADMINISTRATIVE STRUCTURE:**



**This College of Agricultural Sciences, is supposed to be a joint venture between the Anglican Diocese of Gambia, the various partners-in-progress of the Diocese and the Government of The Gambia.**

The Anglican Diocese of Gambia will make available all the required infrastructure for the successful take-off of the College.

The Government of The Gambia will be solely responsible for the salary of the various Academic and Non-academic members of the College of Agricultural Sciences as well as supporting, where necessary, the Infrastructural Expansion of the College.

FURNISHING OF LABORATORIES , COLLEGE LIBRARY  
&  
COMPUTER LABORATORY/CYBER CAFE

S/N	PURPOSE : FURNISHING	TOTAL IN DALASIS	TOTAL IN U.S. DOLLAR.
01.	AGRONOMY / CROP SCIENCE LABORATORY	VOTE: 1,500,000:00	53,571.43
02.	ANIMAL SCIENCE LABORATORY	1,500,000:00	53,571.43
03.	AGRIC. ENGINEERING WORKSHOP	1,500,000:00	53,571.43
04.	COMPUTER LABORATORY / CYBER CAFÉ	1,000,000:00	35,714.29
05.	COLLEGE LIBRARY	2,000,000:00	71,428.57
TOTAL=		D7,500,000:00	\$267,857.14

THE TOTAL AMOUNT REQUIRED FOR PHASE FOUR OF THE  
REACTIVATION OF THE ANGLICAN MISSION INSTITUTE FARM  
AT FARAFENNI IS :

S/N	PURPOSE	AMOUNT IN DALASIS	AMOUNT IN U.S. DOLLARS
01.	COST OF BUILDING CONSTRUCTION	10,331,265:00	368,973.75
02.	FURNISHING OF LABORATORIES, WORKSHOP, COMPUTER LAB./CYBER CAFÉ, AND COLLEGE LIBRARY.	7,500,000:00	267,857.14
PHASE FOUR TOTAL =		<u>D17,831,265:00</u>	<u>\$636,830.89</u>

## FINAL NOTES AND OBSERVATIONS:

A.

### HEAT STRESS FROM MARCH TO JUNE

It should be noted that, there are times when the climatic condition may not be very favourable for egg production. During the period of Intense Heat, when the atmospheric temperature could be as high 40 – 45°C, all day long. At this point in time, laying of eggs is drastically reduced from about 85% to barely 30% or less. This period may be up to 5 months at the North Bank Division under which Farafenni is. At this point in time, the feeding of the birds must be supported financially, as the birds may not be able to feed themselves for this period and no profit accrues.

A slightly higher mortality rate may be expected at this point in time, due to intense “heat wave / scourging” that the poultry birds may experience.

It may be necessary to bring the day old pullets into the brooder house by March, hoping that by the end of the heat period, they would have come into laying and continue during the favourable season. During this time, the cost of heating the brooder house is reduced and the chicks enjoy ‘fine’ weather for good growth.

### B. INCUBATION OF FERTILIZED EGGS.

As the third phase of the Reactivation Programme which involves the establishment of a standard hatchery, there must have been a good Agricultural Extension / Information / Training Service in the REARING of chicks from Day-old to maturity. This will put the people within the neighbourhood in an excited state to buy off the chicks from the Hatchery. The hatchery will be able to have about 3,000 fertilized eggs per week. The cracks, extra large and smaller eggs shall be removed as ‘Not fit for Setting’;

A reasonable number of about 2,500 average size eggs shall be incubated.

Out of these, 2,400 is expected to hatch.

Out of these, 50 are expected to be ‘Runts’, which should be destroyed.

There will be 2,350 chicks, both pullets and broilers for sale to the public.

If the sale is poor, the farm must take over the surplus for rearing and the Agricultural Extension Agents will have to intensify his efforts in encouraging the populace to get involved in backyard poultry rearing.

### C. ELECTRICITY GENERATION:

It would be necessary to look into Solar Powered Electricity Supply for the Agricultural Farm. This will increase the efficiency of different Agricultural Enterprises on the farm, as it would be possible to run effectively without an additional cost of running the generator.

### D. PRODUCTION OF LIVESTOCK FEED:

Due to the constant need of livestock feed on the farm, suppliers of finished feed should not be relied upon. There should be a feed production unit, with all the required ingredients. The production should be such that will meet the demand of the few backyard poultry farm that might have sprang up within and around Farafenni, as a positive impact of the functional hatchery.

### E. PERIMETER FENCING:

Fencing of the whole available land is of paramount importance. It would not worth its while to invest into any Agricultural Enterprise if the whole of the Institute is still “porous” and trespassers can not be easily controlled.

### F. PROFIT MARGIN:

Much profit should not be expected from the farm, since it is for Teaching and Research purpose. Adequate financial input should be made available, to be injected into the Institute at regular intervals or as the situations may demand.

### G. THE TWIN-TRACK POLICY:

The twin-track policy of food for all, should be kept in mind at every stage / level of the farm developmental strategy.

### H. TECHNICAL SUPPORT:

There should be a comprehensive programme on Technical support from other brethren and NGO on regular basis, for continuity. The programme should be smart and workable like the “Change – of – Guards” protocol; i.e if a new support does not come on time, the old ones may not leave as scheduled, thereby blocking any stop-gap and avoiding set-backs.

I, Rev. Dr. OKEKUNLE, Babatunde Adewale, hereby certify that the above compilations had been done as my original write up , with a few extracts from the Anglican Diocese of Gambia journals and reports, in order to have a good understanding of the functions, both spiritual and temporal, of the Anglican Church in Gambia.

Submitted to my lord Bishop of the Anglican Diocese of Gambia;

The Rt. Rev. Dr. S. Tilewa Johnson

This ----- day of the month of ----- 2007 AD

Yours In-His Vineyard,

Rev. Dr. Okekunle B.A.  
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Date:- -----