

HIGHER EDUCATION IN AGRICULTURAL AND ENVIRONMENTAL SCIENCES IN SOUTHERN SUDAN.

INTERNATIONAL SYMPOSIUM II: March 11th -12th 2009.

NEED ASSESSMENT SURVEY/GREATER BAHR EL GHAZAL REGION.

Venue: Catholic Relief Services (CRS) Juba, Southern Sudan

By

Professor Victor Loku

DIRECTRATE OF AGRICULTURE/WBG/STATE.

POSITIONS	QUALIFICATION	VACANCIES	REMARKS
Director General	BSc	1 vacant	Grade 2. Acting
Director of Agriculture	BSc	1 vacant	Grade 4. Acting
D/ Director of Agriculture	BSc	1 vacant	Grade 4. Acting
D/ Director of Agriculture	Diploma	1	Grade 4
D/ Director of Extension	BSc	1	Grade 4
D/ Director of Extension	Diploma	1	Grade 4E
D/ Director Plant Protec.	BSc	1	Grade 4
D/ Director Plant Protect.	Diploma	1	Grade 4
D/ Director Horticulture	BSc	1	Grade 4
D/ Director Horticulture	Diploma	2	Grade 5
D/ Director Nutrition	BSc	1	Grade 5
Inspector of Agriculture	Diploma	2	Grade 7
Inspector of Agriculture	Certificates	3	Grade 7 and 8
Inspector of Nutrition	Diploma	1	Grade 8
Inspector Nutrition	Certificate	1	Grade 8
Inspector/Mechanization	Diploma	1	Grade 7
Asst. Inspectors of Agriculture	Certificate	4	Grade 10
Asst. Inspector/Extension	BSc	4	Grade 9

Asst. Inspector/Crop Production	BSc	3	Grade 9
Asst. Inspect/Plant Protection.		1 vacant	Grade 8
Asst. Inspect. Horticulture	Certificate	1	Grade 8
Asst Inspector of Nutrition	Diploma	1	Grade 9
Asst Inspector of Nutrition	Certificate	1	Grade 8
Asst. Inspector Soil Survey	BSc	1	Grade 9
Director Mechanization	BSc Agric Engine	1 vacant	Grade 4
A/Eng. Mechanization	BSc Agric Engine	2	Grade 9
Asst. Inspector Soil Survey	BSc	1	Grade 9
Director Mechanization	BSc Agric Engine	1	Grade 4
A/Eng. Mechanization	BSc Agric Engine	2	Grade 9
Extension overseers	Certificate	3	Grade 7, 8 and 10.
Horticulture supervisor	Certificate	1	Grade 10
Horticulture overseer	Certificate	1	Grade 10
Nutrition supervisor	Certificate	1	Grade 14
Plant Protection overseer	Certificate	1	Grade 10

AGRICULTURAL RESEARCH CENTRE WAU.

POSITIONS	QUALIFICATION	VACANCIES	GRADES
Inspectors of Land Survey	BSc Applied Sc.	1 Senior Surveyor	Grade 7
	BSc Applied Sc.	1 S/Inspector Land Survey	Grade 7
	BSc Applied Sc.	3 Inspect of Land Survey	Grade 8
A/Inspector of Land survey	BSc Agriculture	5 A/Inspect of Land Survey	Grade 9
	Certificate	5 Chainman	Grade 14
Soil chemist	BSc Agriculture	1	Grade 7
Laboratory attendance	Certificate	1	Grade 14

**DIRECTRATE OF ANIMAL RESOURCES AND FISHERIES/WESTERN BAHR EL
GHAZAL STATE.**

POSITIONS	QUALIFICATION	VACANCIES	REMARKS
Director General	BSc	1	Grade 2. Acting
Director Animal health	BSc	1	Grade 4. Acting
Director Anim Prod.	BSc	1	Grade 4. Acting
Director of Fisheries	Diploma	1	Grade 4
D/ Director Animal health	BSc	1	Grade 4
D/ Director of Anim Prod	Diploma	1	Grade 4
D/ Director Fisheries	Diploma	1	Grade 4 Acting
Livestock Officers	BSc	2	Grade 9
Vet. Officers/Clinic	BVSc	6	Grade 9
Vet. Officer S/House	BVSc	1	Grade 9
Fisheries officers	Diploma	2	Grade 5

DIRECTRATE OF FORESTRY WESTERN BAHR EL GHAZAL STATE.

POSITIONS	QUALIFICATION	VACANCIES	GRADES
Director General	-	1 vacant	Grade2
Director A forestation	-	1 vacant	Grade3
Director Saw Mills	-	1 vacant	Grade3
Director Mechanization	-	1 vacant	Grade3
Director of Forests/Raga	-	1 vacant	Grade 4
D/ Director of Forests/Raga	Diploma/Agriculture	Filled	Grade 4
D/ Director of Forests/Wau	Diploma/Agriculture	Filled	Grade 5
D/Director Carpentry	Certificate/May V	Filled	Grade 4
D/Director A forestation	-	1 vacant	Grade 5
D/Director Saw Mills	-	1 vacant	Grade 5
D/Director Mechanization	Diploma/Agriculture	Filled	Grade 5
Forest Rangers	BSc Forestry.	4 Filled	Grade 9
Forest Rangers	BSc Forestry.	4 Filled	Grade 9
Forest Rangers	-	3 vacant	Grade 9

Assist Forest Rangers	BSc Forestry.	4 Filled	Grade 10
Forest overseer	-	Filled	Grade 10
A/H/Forest Guard	-	Filled	Grade 10
Conservation of Forests	-	2 vacant	Grade 6
Conservation of Forests	Certificates	3 Filled	Grade 7
Mill Manager	-	1 vacant	Grade 6
Asst. Mill Manager	-	1 vacant	Grade 6
Mill foreman	-	1 vacant	Grade 7
Mill overseer	Trained	3 Filled	Grade 10
Carpenter	-	Filled	Grade 5
Mechanics	Certificate	Filled	Grade 8
Asst. Mechanics	-	2 vacant	Grade 6 & 7
Saw doctor	-	1 vacant	Grade 6
Assist Saw doctors	Certificate	2 Filled	Grade 8
Carpenters	Certificate	Filled	Grade 5
Forest line keepers	8	vacant	Grade 10, 12
Timber clerks	4	vacant	Grade 12

UNIVERSITY OF BAHR EL GHAZAL ACADEMIC STAFF.

POSITIONS	FIELD QUALIFICATION	CREDENTIALS	FIELD
Assoc. Professors	Nutrition	PhD	Agriculture
Assist. Professor	Molecular Genetics	PhD	Agriculture
Teaching Assist 22	Animal Production	BSc Agric.	Agriculture
Director	Agriculture	BSc Agric.	Investment Dept.
Anim. Science			
Professor	Pathology	PhD	Veterinary
Assoc. Prof(2)	Molecular. Parasitology	PhD	Veterinary
Assist. Professor	Animal Science	PhD	Veterinary
Assoc. Professor	Avian Pathology	PhD	Veterinary
Lectures (15)	Animal science	MSc	Veterinary
Teaching Assist 22	Animal science	BSc	Veterinary

Vet technicians 12	Laboratory	Diplomas	Veterinary

NGOs IN GREATER BAHR EL GHAZAL REGION.

POSITIONS	QUALIFICATION	ACTIVITIES.
FAO/WBG/ STATE		
Project Manager/Wau	BSc, MSc Agric Horticulture	FAO/SRCRP,TSU,CV AX
Project Officer/Wau	BSc, MSc. Agriculture	FAO/SRCRP,TSU,CV AX
Project Trainer	Diploma in Agriculture	Ox-Plough training
Fisheries Assistant officer	Diploma of Fisheries Science	Fisheries activities
FAO/Warrap State/Field staff		
Project Manager	BSc Agric, MSc Horticulture	Field staff
Project officer	Diploma Agric and Rural Dev	Field staff
UNDP/WBG STATE		
Project Manager	BSc. Agric., MSc. Food Science and Technology, Animal Husbandry and Livestock	Management. Economic Analysis.
UNICEF/WAU ZONAL OFFICE		
Field officers (3)	Medical officers	Public health, disasters and Environmental activities
Sanitation overseers (7)	Technicians	Wau and Awiel.

WORLD FOOD PROGRAM-		
Senior Program Assistant	BSc, PG Diploma Agric.	
Senior VAM Assistant	BSc. Agric	Variability Asst Mapping
Field Monitor	BSc, MSc. Agric	Monitor
Field Monitor	BSc, MSc. Agric	Monitor
Field Monitor	BSc Agric.	Monitor
Field Monitor	Diploma Agric.	Monitor
Field Monitor	Diploma Agric	Land survey
IOM/WAU		
Field Officer	MSc. Agricultural	Livelihood specialist
OXFAM SPAIN (INTERMON)SCO		
Livelihood Manager	BSc. Agric	Livestock Specialist
Food Security Assistant	BSc. Agric	Raga
Food Security Extension Workers	Certificates (6)	Field monitors
Water and Sanitation Assistants	Certificates (2)	Field work
Water and Sanitation Technicians.	Local training (2) only	Field work
SRCS-Greater Bahr El Ghazal		
Branch Director/ Wau	BSc .Agriculture	
Public Health officer/ Wau	BSc Environmental Sci.	Public E. Health
Public Health Officer/ Lakes State	Certificate	Hygiene Promotion
Health and First Aider Warrap State	Certificate	Hygiene Promotion
Field Officer/NBG State-Aweil		Hygiene Promotion
WORLD CONCERN/WBG STATE		
Program Manager/Wau	BSc. Agric	a. Small scale farming for

		vegetables.
		b. Groundnuts paste Projects (micro-loans)
ACTED/WBG STATE		
Program Manager/Wau	BSc. Agric	Food Security
Assistant Program Manager/Wau	Diploma Agric.	Food monitor
Food monitor officer/Wau	Certificate	Food monitor
WILDLIFE AND CONSERVATION DEPT	No expert	And Environmental skills
CATHOLIC CHURCH/WAU		
BUSSERE	Buildings of the seminary	Roads are passable/Wau
1.Schools 4.Printing Press	Near the river and water pumps	Namatina and Halima
2.Churches 5.Gardens	Gardens available to establish	Agric. Research Projects
3.Buildings 6.Vast area for activities	Livestock farms(Dairy & Poultry)	Demonstration/stu dents
NAZARETH		
1. Church		
2. Accommodation	Staff and students	
3.Classes	All require maintenance	
4.Hall	Roofing of some buildings	
5. Garden	Enough area for activities	

AGRICULTURAL BANK /WAU

POSITIONS	QUALIFICATION	ACTIVITIES.
Manager	BSc, MSc. Agric	Agricultural loans
Sub Manager	BSc. Agric.	Field Monitor

Data collection and reports of the Director Generals and Directors

Most of the Director Generals, Directors of the Directorates of the State Ministry of Agriculture, Animal Resources and Fisheries were able to come up with these report.

1. Most of the positions occupied by less academic qualifications only with long years of experience in their current positions.
2. There is no gender balance due to the fact that no graduates in the fields of Agriculture, forestry and fisheries departments.
3. There is a high general training need for staff currently in the various departments of Agriculture, Forestry, Animal resources and fisheries.
4. The drawn (proposed) curriculum for the Faculty of Agriculture and Environmental Sciences suited the priority areas in Agriculture, forestry and Animal resources that require immediate attention at training at Higher Education with the values that are useful for the staff of this Ministry.
5. There may be lack of Academic staff in the College of Agriculture and Environmental Science.
6. No planned research (Research Farms at Halima and Namatina) in the Research Centres in the State due to lack of facilities and trained personnel.
7. Most of the employees had certificates, diplomas and first degrees (BSc) in the Directorates of Agriculture, Forestry, Veterinary and Fisheries. In the Directorate of Veterinary, most veterinarians are new graduates.
8. Most of the Directors are acting with their low grades because the positions are not nominally filled.
9. There is total lack of funding for Agricultural sectors, Dairy and Poultry farms and Fisheries Industries in the state.
10. Though there is enough fertile land for agricultural activities, dairy production, poultry production, and fisheries activities yet there is no funding to these projects especially agricultural inputs, saw mills, trained forest rangers.
11. There is need for training in general.

12. There is need to train and promote rural people who have agricultural raw materials fisheries by products that can be utilised as fertilizers and animal feeds to earn them cash for their families who mostly depend on food aid.
13. There are Agricultural Research Farms at Halima and Namatina Wau and these may help in practical courses of the Faculty.
14. No constant monitoring by the Ministry of Agriculture and forestry and Ministry of Animal Resources and Fisheries (GOSS/Juba) to the state.

THANK YOU †