

# **A TECHNICAL REPORT**

ON

## **STUDENT INDUSTRIAL WORK EXPERIENCE SCHEME (SIWES)**

UNDERTAKEN AT

ARBO CONTRACTOR LIMITED

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BY

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## **CHAPTER ONE**

### **INTRODUCTION TO SIWES**

The fact that theoretical knowledge alone would not prepare an educated person for the work has led to the creation of the students industrial work experience scheme (SIWES) which is the accepted skills training programme, which forms part of the approved minimum academic standard in the various degree programmes for all Nigeria universities. Students industrial work experience scheme (SIWES), is all about gaining working experience and improving students knowledge on practical aspect of their course of study.

### **BACKGROUND OF SIWES**

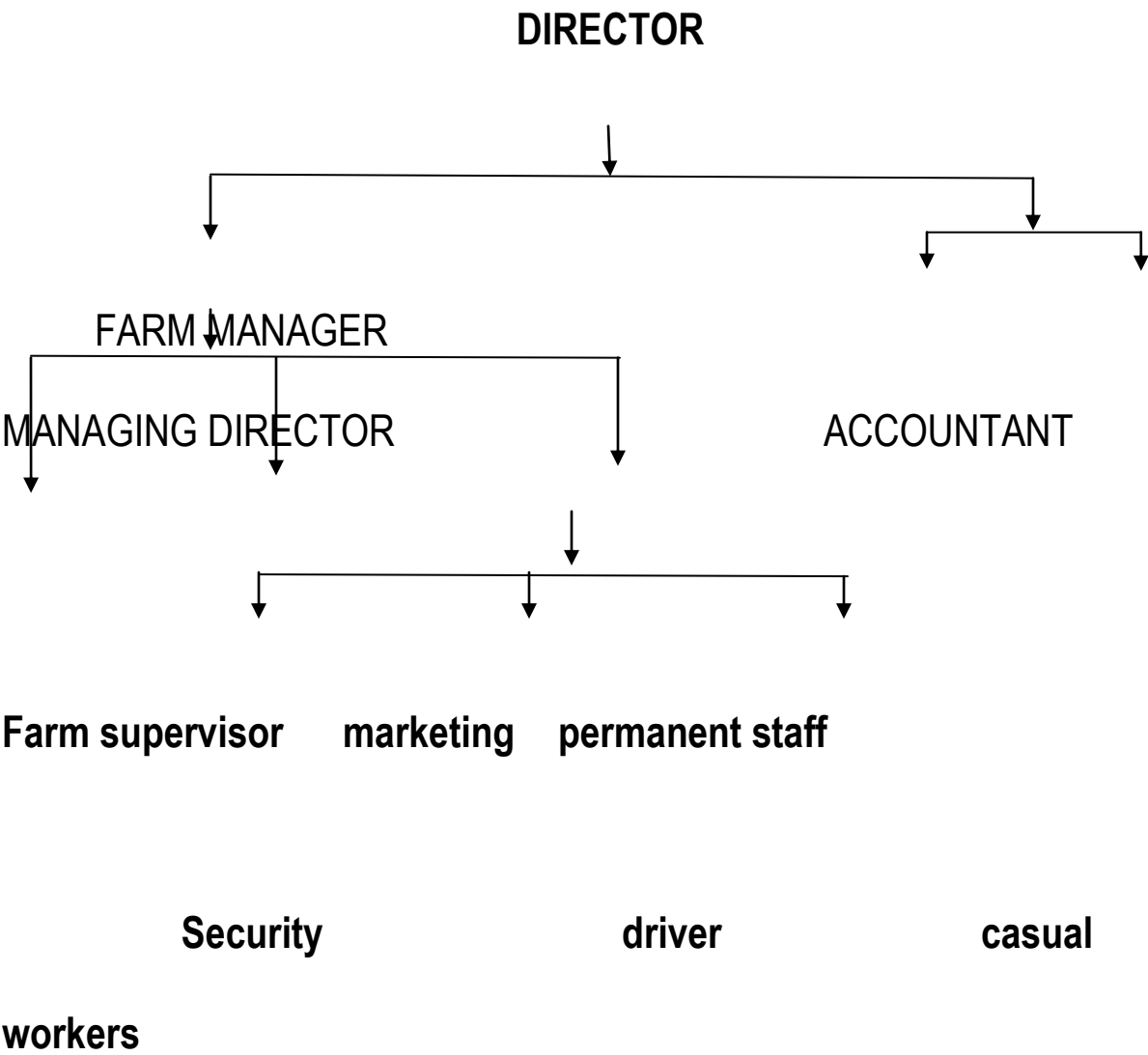
Student industrial work experience scheme (SIWES) was established in 1973/1974 session. Prior to the establishment of the scheme, there was a growing concern among industrialists that graduates of institutions of higher learning lacked adequate practical background studies preparatory for employment in industries. It is against this background that the rationale for initiation and designing the scheme was hinged. Consequently the scheme

afford students the opportunity of familiarizing and exposing themselves to the needed experience in handling equipment and machining that are usually not available in their institution.

## **OBJECTIVES**

- 1) It provides an avenue for students in the Nigeria universities to acquire industrial skills and experience in their course of study
- 2) This scheme prepares students for the work situation they are likely to encounter after graduation
- 3) it exposes students to work method and techniques in handling equipment and machine that may not be available in the universities
- 4) Enlist and strengthen employers involvement in the entire educational process through SIWES

**ORGANIZATION CHART OF FABIS FARMS LTD**



## **BREEDS OF LAYER**

ISA BROWN

BOVANS NERA

BABOLNA TETRA SL

BOVANS GOIDLINE

DOMINANT. CZ

## **ISA BROWN**

ORIGIN : UNITED STATE / FRANCE

LIVE ABILITY : 93.9%

FEED INTAKE : 109g /day

BODY WEIGHT : 2kg

DISEASE : KIDNEY PROBLEM AND CAN BE CURED WITH  
ANTIBIOTICS

PROPOSE : EGG PRODUCTION

EGG COLOUR : BROWN

SHELL STRENGTH : 4000g

ROSTER COLOUR : WHITE

PARENT : CROSSING OF RHODE ISLAND REDS AND RHODE ISLAND  
WHITE

MORTALITY RATE : N-250

SEXES : FEMALE HAS REDDISH BUFF COLOUR WHILE MALE HAS  
WHITE COLOUR.

FEED CONVERSION : 2.14kg



PEAK PERCENTAGE: 96%

AGE AT 50% PRODUCTION: 144 days

RARITY: COMMON

LAYING PERIOD: 18-90 WEEKS

THE HEN: RED BROWN IN COLOUR WITH SOME WHITE AT TAIL

## **CHARACTERISTICS**

They are very common

They resist easily with the humidity of a particular area

They are friendly

## **BOVANS NERA**

Origin : new York city and Washington

Live ability : 94%

Feed intake : 2.14kg

Body weight : 1.43kg

Disease : affected by CRD and other disease

Purpose : egg production

Egg colour : brown

Egg percentage : 340

Yolk color : naturally yellow in colour

Parent : rhod island.

Mortality rate : 1.961%

Sexes : head spot

Feed conversion : 2.14kg

Average egg weight : 64.2g

Commercial area reared : Germany and united state of America

## **CHARACTERISTICS**

- i. They are friendly and easily tameable
- ii. They are hardly and disease resistance
- iii. They are birds with good appetite
- iv. They have good temperature
- v. They are light breed

## **BABOLNA TETRA SL**

Origin : babolna hungary in 1975

Live ability : 0-17 weeks (97%-98%) 18-90 weeks

Feed intake : 0-17 weeks (48-50/days) 18-90weeks

Body weight : 17 weeks (1.42-1.46kg) 9 weeks (1.90-2.0)

Egg production : peak production (95%-96%) egg production above 0%  
(24-90 weeks) total egg for 72 weeks of age (325-330)

Hen color : Brown

Egg color : Brown

Shell strength : 41N

Parents : rhode island white and leghion

Mortality : 5-7%

Disease : avian disease In the liver

## **CHARACTERISTICS**

- i. They are one of the leading hybrids in the world
- ii. They have long laying period up to 100 weeks of age
- iii. They perform well in both cage and other alternative system
- iv. They have high quality egg shell with fine and yellow yolk
- v. They lay up to 400 good external and internal egg with 90-100 weeks

## **BOVNANS GOLDLINE**

Origin : Netherlands

Live ability : 93%

Feed intake : 111g at 20 week of age

Body weight : 63.1g

Hen color : Brown

Egg color : Brown

Sex ability : they are colour sexable

Parents : Rhode island red and light russex

Mortality : up to 8% in a year

Disease : CRD and other poultry disease

Feed conversion : 2.14kg/kg

## **CHARACTERISTICS**

- i. They are stress resistance birds
- ii. They have good appetite
- iii. They perform well in cage
- iv. They have quite temperature
- v. They can lay up to 330 eggs per year
- vi. They are light breed.



## **DOMINANT CZ**

Origin = Cz echolouakia in 1982 owned by a company called dominantCz

Parent = Rhode island Sussex ply mouth rocic new hamphshire and  
leghorn

Color = white Brown Black Silver

Sexing features = color sexed chuckes (hen brown, cockerel-white/silver

Rearing period = 74-80 weeks

Mortality rate = 3.25%

Live ability = 94-96%

Feed intake = 140-146g

Production rate = 307-318 egg per year

Hen weight = 18 weeks (1.4-1.6kg) 1 year (2.0-2.5)kg

Egg weight = 57.6- 61.3g

Egg mass = 19.3kg

Shell strength = 4657g/cm<sup>2</sup>

Shell thickness = 0.32mm

## **CHARACTERISTICS**

- i. They have high egg weight and robust body
- ii. They have a good feather cover throughout lay.
- iii. They are quit temperature

## **IMPORTANCE OF POULTRY AND POULTRY PRODUCT.**

Poultry plays very important role for mankind through food supply, income and employment generation providing raw materials to some industries, facilitating research works etc.

### **1 As a source of food**

- i. Poultry meat and eggs are good source of vitamins and minerals.
- ii. Poor people can get meat and eggs easily from their reared poultry than from other source
- iii. Poultry meat and eggs supply rich protein and easily cooked dishes to human

### **2 Industrial use.**

- i. Eggs: in vaccine preparation inedible egg used as animal feed and fertilizer
- ii. White egg: used in pharmaceuticals, paints, varnishes, adhesives, printer ink, photograph, leather tanning, semen, preservation, wine clarification and textile dyeing

- iii. Egg yolk : used in making cake mixed, soap, paints sham  
poos, leather finishing and book binding
- iv. Feathers : used in animal feed fertilizer, millinery goods,  
pillows, cushions, mattresses, dusters and as insulating  
materials
- v. Egg shells used in mineral mixed, fertilizer decoration,  
mosaic, works and animal feed.

## **CONCLUSION**

Poultry is very sensitive and may be infected by disease easily, generally, they suffer various types of viral, bacteria, fungal, nutritional and parasitic disease free, healthy and productive so vaccinate the birds timely if somehow disease occur in the farm meets a vet doctor as soon as possible and listen to his advice. All equipment should be providing in brooding pen and well management should be given to prevent lost.

## **RECOMMENDATION**

Company should provide hostel for siwes and IT students for easy learning.

Minister for education should make siwes compulsory for both universities and polytechnics and college of educations students, because there are a lot of advantages there, having experience is one of the most important aspect of education.