



**A REPORT ON STUDENT INDUSTRIAL WORK
EXPERIENCE (SIWES) UNDER THE STUDENTS'
INDUSTRIAL WORK EXPERIENCE SCHEME**

UNDERTAKEN @

**LOWER NIGER RIVER BASIN DEVELOPMENT AUTHORITY
LOWER NIGER RIVER BASIN, ILORIN, KWARA STATE**

BY

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SUBMITTED TO

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PREFACE

The writing of this SIWES report is manufacture by the school authority that before attaining the certificate of National Diploma (ND) in Agricultural Technology. Each student must undergo the four (4) months SIWES programme.

The SIWES record therefore contains the work done within the four months.

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CHAPTER ONE

1.1 INTRODUCTION

Student Industrial Work Experience (SIWES) is a four months programme setup by the federal government for professional student in Agricultural Technology and other elected courses which is controlled, in which the headquarter is in Kaduna State in affiliation with Industrial Training Fund (ITF) at Jos.

However, the government introduced the programme in other to assist students to be familiar with the practical aspect of their profession.

Student Industrial Work Experience (SIWES) is a programme setup by National Board of Technical Board (NABTEB) for its practical improvement of Agricultural Technology. The programme is setup during the period of three months which is corresponding with a body known as Industrial Training Fund (ITF).

1.2 BRIEF HISTORY OF SIWES

Prior to the establishment of the scheme, there was growing concern among our industrialists that graduates of our institutions of higher learning lacked adequate practical background studies preparatory for employment in industries. Thus, the employers were of the opinion that theoretical education going on in higher institutions was not responsive to the need of the employers of labour.

It is upon this background that the rationale for initiating and designing the

scheme by the Industrial Training Fund, during its formative years- 1973/1974- was introduced to acquaint students with the skills of handling employers' equipment and machinery.

The ITF solely funded the scheme during its formative years. But as the financial involvement became unbearable to the fund, it withdrew from the scheme in 1978. In 1979, the Federal Government handed the scheme over to both the National University Commission (NUC) and the National Board for Technical Education (NBTE). Later the Federal Government in November 1984, reverted the management and implementation of the SIWES programme to ITF and it was effectively taken over by the Industrial Training Fund in July 1985 with the funding being solely borne by the Federal Government.

1.3 AIMS AND OBJECTIVES OF THE PROGRAMME

The aims and objectives are as follows:

1. To provide wide practical experience of the industrial Student in Various Studies.
2. To give inspiration, commitment and dedication to the student
3. To enlighten the student about various aspect of their course of study
4. To hasten the level of understanding and studying since they had been exposed to practical aspect of their course.

CHAPTER TWO

2.1 ABOUT THE ORGANIZATION

The Lower Niger River Basin Development Authority, Ilorin, Kwara State, was established by the Federal Government of Nigeria to manage land and water resources for agricultural and rural development within the Lower Niger Basin region. In line with its mandate to boost food production and improve livelihoods, the Authority launched its Poultry Unit as a strategic step towards enhancing local poultry farming, providing quality protein sources, and creating employment opportunities. Located in Ilorin, Kwara State, the poultry project continues to grow as a model for sustainable and modern poultry practices in the region.

2.2 ORGANIZATIONAL STRUCTURE

The company operates under different departments, including:

- Feed Mill Department – responsible for feed formulation and production.
- Farm Section – oversees crop cultivation.
- Poultry Section – manages chicken rearing and egg production.
- Fish Pond Management – handles fish breeding and sales.

2.3 VISION AND MISSION OF THE ORGANIZATION

VISION STATEMENT

"To be a leading agribusiness enterprise, providing high-quality feed, poultry, fish, and farm products while promoting sustainable agricultural practices for food security and economic growth."

MISSION STATEMENT

To become a center of excellence in poultry production and agribusiness, driving innovation, sustainability, and economic growth across Nigeria and beyond.

CHAPTER THREE

EXPERIENCE ACQUIRED/ WORK DONE

3.1 WORK DONE

During my SIWES at Lower Niger River Basin Development Authority, I participated in various activities, including:

- + Sanitizing the brooding pen by sweeping, packing and disposing of dirty liters. Wasting or the brooding feeding and drinking tools. To clean up the brooding pen in order to avoid germs.
- + Feeding of layers in the pens and wetting of vegetables
- + Hand picking of eggs and packing or eggs from the poultry pens to the stores
- + Sun drying of the harvested maize
- + Washing of the brooding feeding tools, hand picking or egg, making of vegetable bed for planting of corchorus olitorious
- + Conducted a check on the portion of land where the yam seed was buried on preparation for yam planting
- + Wetting of Vegetables
- + Weed maintenance by hand picking also picking of eggs and cleaning of pens
- + Soil Testing: Collecting soil samples and conducting tests to determine nutrient content and pH levels, informing fertilization strategies.

✚ Seedling Nursery Management: Raising seedlings in nurseries, including watering, weeding, and transplanting them to main fields.

3.2 EXPERIENCE GAINED

Through my industrial training, I acquired practical skills, including:

- i. Feed Formulation Knowledge – I learned how to mix balanced diets for livestock and poultry.
- ii. Livestock Management – I gained experience in handling poultry, monitoring diseases, and maintaining farm hygiene.
- iii. Crop Production Techniques – I learned soil preparation, planting, and harvesting skills.
- iv. Teamwork & Communication – Working with farm supervisors improved my ability to collaborate effectively.
- v. Problem-Solving Skills – I developed the ability to troubleshoot farm-related challenges, such as pest infestations and disease outbreaks.

CHAPTER FOUR

4.1 EXECUTIVE SUMMARY

SIWES means Student Industrial Work Experience. Students are out annually to professional organization relevant to their course of study with the help of the institution based. Coordinator and the scheme take up while students are promoting to ND 2 during the National Diploma programme for science oriented courses studied in institutions. The scheme was established by the ITF (Industrial Training Fund) to solve the problem of lack of adequate practical skills. During this programme, students are expected to get technical assistance and acquire more experience scheme in their chosen field of study.

CHAPTER FIVE

5.1 PROBLEMS ENCOUNTERED DURING THE ATTACHMENT AND SOLUTION

I didn't face or encounter any difficulty or problem during my attachment except that my place of attachment is far away from my house.

But the general problems that students encounter before and during the attachment are as follow:

- Lack of available industry in the location of some students
- High cost of transport fare from the students resident to the attachment
- Laziness of some students during the attachment

SOLUTION

- Government should increase their investment on establishing companies for science oriented students.
- There should be a certain amount to be paid to the students during the attachment
- There should be monthly check on the students during the attachment

5.2 CONCLUSION

Student Industrial Work Experience (SIWES) is a scheme that improves the technical knowledge of students in the Nigeria institutions. The scheme exposes students to working method and techniques in handling equipment's and machinery that may not

be available in their institutions. It is a good process that every science oriented courses must undergo.

As for me, the SIWES I did at Lower Niger River Basin Development Authority, Ilorin, Nigeria Limited exposed me to the practical aspect of my program. It widens my knowledge and skill on the discipline. The scheme equips students properly to face future challenges.

Lastly, big thanks to the Industrial Training Fund (ITF) for the establishment of SIWES which now serves as an opportunity for we students of the Nigeria institution.

5.3 RECOMMENDATIONS

Federal government, as a matter of responsibilities has to contribute immensely to the uplifts of this programme by putting in place a considerable compensation for the students who embarked on this kind of stressful and deadly programme. The federal government has a lot of role to play in building up a brighter future for us in order to maintain the peace and stability of the state.

Secondly, a lot of task also lies on the school authority to orientate and enlighten their students on the expected things they are going to face or encounter pleasantly or in the other hand when they get to their various placements of works before the commencement of the programme.

Thirdly, there should be rigorous inspection and supervision as some students count and envisage this programme as a mere task and they should as well enhance their strength and bestow and hefty mark on it.

Lastly, students need money for their upbringing and sponsorship, so I will urge the federal government to make the allowance more attractive to boost the students' morale.