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TECHNICAL REPORT

ON

STUDENT INDUSTRIAL WORK EXPERIENCE SCHEME (SIWES)

HELD AT

TAQUA GOLD FEED ALSAABIS GOLD FARM NIG. LTD.

P.M.B. 1574, ILORIN KWARA STATE

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SUBMITTED TO

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DEDICATION

This work is dedicated to the Almighty God, for their love, mercies, guidance and protection during and even after this work.

This work is also dedicated to my lovely and caring parents and wonderful brothers and sisters for their love, support and encouragement.

ACKNOWLEDGEMENT

I wish to acknowledge and thank everyone who contributed one way or the other towards the success of my industrial training.

My special thanks goes to the management of and my supervisor for their numerous contribution and effort to make this research a success.

Also my beloved mother and my colleagues for giving me the great opportunity.

I want to say a big thanks to my siblings and my friends for their support and love, also my friends for their encouragement and advice.

ABSTRACT

The Student Industrial Work Experience Scheme (SIWES) Relevance to the Department of Procurement and Supply Chain Management was researched upon. The instruments used was practicalized and this practical were used to answer the research questions. The results were collected and analyzed in the chapters that make up this study report and project works.

Based on the analysis, Major findings emerged revealing that students did receive practical work on the job training. The SIWES scheme further exposes students to proper methods of using and handling Procurement and Supply Chain Management equipment and development at TAQUA GOLD ALSAABIS GOLD FARM NIG. LTD..

However, the study concluded that if students are adequately exposed to research materials and facilities, if students are provided with thorough and proper supervisionby supervisors, if orientation towards equipment and machinery handling was well fashioned out, there will necessarily be an upsurge in performance rates Therefore, the researcher recommends the following

That employers ought to accept students supervisors need to be attached to individual's students. Students should be allowed to express and get themselves exposed to Procurement and Supply Chain Management practices in order to acquire a deeper orientation before the commencement of the programme if adequate performance isto be guaranteed.

CHAPTER 1

Student Industrial Work Experience Scheme

The Students Industrial Work Experience Scheme (SIWES), is a skills Development programme initiated by the Industrial Training Fund (ITF), in 1973 to bridge the gap between theory and practice among students of Engineering and technology in Institutions of Higher Learning in Nigeria. It provides for on-the-job practical experience for students as they are exposed to work methods and techniques in handling equipment and machinery that may not be available in their Institutions.

SIWES was established by **ITF** in 1973 to solve the problem of lack of adequate practical skills preparatory for employment in industries by Nigerian graduates of tertiary institutions.

The Scheme exposes students to industry based skills necessary for a smooth transition from the classroom to the world of work. It affords students of tertiary institutions the opportunity of being familiarized and exposed to the needed experience in handling machinery and equipment which are usually not available in the educational institutions.

Participation in **SIWES** has become a necessary pre-condition for the award of Diploma and Degree certificates in specific disciplines in most institutions of higher learning in the country, in accordance with the education policy of government.

Duration – Four months for the Polytechnics.

Aim of the Study

The aim of the study was to evaluate the impact of SIWES on Technical Skills Development in the Nigerian economy. This is to enable Institutions of HigherLearning and other Stakeholders assess the performance of their roles in the Scheme.

THE ROLE OF THE INDUSTRIAL TRAINING FUND

The Industrial Training Fund (ITF) was established by the decree 47 of 1971 constitution and charged with the responsibility of promoting and encouraging the acquisition of industrial skills, with the view of generating a collection of indigenoustrained manpower, sufficient enough to enhance and meet the needs of the economy so as to promote development. Supervision of students, organizing orientation programs, and disbursing allowances to students are some of the roles played by the industrial training fund in the implementation of SIWES.

THE SCOPE AND IMPORTANCE OF SIWES

The scheme covers all science and technological based students in monotechnics, polytechnics and universities in Nigeria, resulting in a high population of students which is easily managed because of the public and private industries that partake in the scheme. SIWES enables students acquire industrial know-how in their field of study particularly in technological based courses. It also enables students experience the application of theoretical knowledge in solving real life problems.

THE ROLE OF THE STUDENT AND THE INSTITUTION

The role of the student is to partake in the program in such a way that he/she will achieve maximum benefit from the program. The student is advised to ask questions, be submissive, and adhere to all the rules and regulations of the organization where he is attached. Identification of placement opportunities, funding of SIWES supervisors and assessment of the student are some of the roles played by the institutions to ensure smooth running of the program.

CHAPTER 2

About The Organization

The **Taqua Gold Alsaabis Gold farm Nig. Ltd.** is a private institution, a leading animal feeds and day-old chicken producer in Ilorin Kwara State, offering Quality Fish feeds. They operate large feed mills and day-old chick facilities in Kwara State. Products includes: Chickun, Ultima, and Ultima Plus fish feeds.

Key Functions of the Organization

1. **Production**

Manufacturing high-quality fish feed
Operating feed mills and production facilities

2. **Quality Control**

Ensuring feed quality and safety
Meeting national and international standards

3. **Distribution**

Supplying feed to customers through accredited distributor outlets
Managing logistics and inventory

4. **Research and Development**

Developing new feed products and formulations
Improving existing products and production processes

5. **Customer Support**

Providing customer service and technical support
Building relationships with customers and distributors

6. **Marketing and Sales**

Promoting products through marketing campaigns
Building brand awareness and driving sales

Departments & Agencies under the Company

1. Production Department: Responsible for manufacturing feed products.
2. Quality Control Development: Ensures feed quality and safety
3. Logistic and Distribution Department: Manages supply chain and inventory
4. Research and Development Department: develops new product and improves existing ones
5. Customer Service Department: provides support and builds customer relationships.
6. Marketing Department: Promotes products and builds brand awareness
7. Sales Department: Drives sales and revenue growth
8. Operations Department: Oversees overall operations and maintenance
9. Procurement Department: Sources raw materials and supplies
10. Human Resources Department: Manages employee relations, training, and development.

CHAPTER 3

3.1 WORKS CARRIED OUT

Safety first

- I was taught how to shelver 4mm, how to separate 4mm dust and dirty before it was bagged and after that, it will be ready to ship and sold out.
- I Studied how they operate their working machine such as grinding machine palletizer machine, mixer and convoy.
- I was taught how they measure different kinds or seeking formular such as 2mm formular, 4mm formular and 6mm formular.
- I was taught how to bag feed and how to scale it. on that same day, was shown how 2mm, 4mm and 6mm looks.
- I supported the factory worker in packaging scale and arrangement.
- I was taught about the size, quantity formula used in packaging feeds.
- I was taught how to produce 4mm, the ingredient for 4mm, suya milk, rice, brown salt, G.N.C. PKC, blood, bowl, poultry milk… the list are the ingredient for 4mm production.
- I was taught how to pelletize with pelletizer machine, it was used after grinding the feed, from there to the mixer machine to the compure machine.
- I was taught how these machine works one after the other, starting from grinder machine, mixer machine, compure machine, symbollar machine to the last machine pelletizer machine.
- I was taught how to scale bag of feeds in each kg at 25 kg per bag.
- I was taught the mode of operating at different size of feeds such as 2mm, 4mm, 6mm booster.
- I was told the benefits of producing feed such as poultry meal, fish meal with their ingredients to make them faster

- I learnt how to couple the roller cell, the roller cell is part of pelletizer machine, it is the main item that allow the pelletizer to function well.
- I assisted them in measuring some formula such as 2mm, 2mm booster and the rest.
- I was assigned to the shaving machine for packing the finished goods.
- I studied the benefits of mixer, mixer helps the industrial formula mixed well, all the ingredient use to produce finished goods.
- I studied the mode of operating pelletizer the machine call pelletizer is the machine that size different size of African cat first such as 1mm. 2mm. 8mm.4mm. 6mm. 8mm.
- I was taught some benefit of ingredient of producing feed such as pouitry meal fish meal this ingredient make the fish growth very fast
- This day I operate (safety first) pelletizer machine to produce 4mm. l rotation per hour
- I learn the granding processing from pouring of material on grand and grand it in the granding machine
- On this day the factory operater show me the key part in pelletizer machine in order to work perfectiy
- The factory was doing sanitation and environmental on that day I also toin them to participate in the
- I assrst them in measuring and beging feeds
- This same day I also assist them to shetuer 6mm. and 4mm. into bags
- I was taught (safety first) how to mix the materials to the mixer before grounding to the machine so I carefully watch them how it been mixed one after the other
- I help the workers to selu the feed on she luer machine like the 4mm and 2mm and also bag them into their bag according to their size
- I learn the processing from of pouring the material on grander and grand it in the granding machine

- I learn how they couple theroller cell which is part of the pelletizer machine it also a main item that allow the pellertizen to work perfectiy
- I was show the mixer machine the ingredient and some raw material use to produne the company feeds
- They explain the quantity of the size of feed how they work according like 2mm for a month frsh 4mm. for like 3.4 month frsh while 6mm 5 to a years frsh
- On this day the farm manager explain different atriean cat fish tome the component and aduantage of them
- I was taught the different types of African frsh like hybrid clearance and enrol
- I was learn about the entrol which is both gender for cat fish where by there male entrol produce sperm female produces egg
- The farm manager explain each type of cat fish starting from clearance is a female cat fish that produce egg with in 6 months or before then
- I was show all the materials used for production for that day factory sanitation
- On this day the industrial supervisor took us to fish farm where they are raising Africa cat fish
- The farm manager show us fish pounds around the farm. The pounds was built with cement and it was filled with fishes both the old and young.
- The same day we were shown how to start pumping machine, water for fish and different level they use to treat fish.
- This same day we were shown how to feed fish with their level of fish feed
- This same day I also practice how to feed them alone according to their categories
- I joined them in factory sanitation
- I was assigned to the shaving machine for packaging the finished goods
- I followed the factory driver to farm and also help in some activities in factory
- I was taught some benefit of some ingredient in producing feeds

- I was shown the different kind of machine in factory and the way they works one after the other such as grinding machine, shiever, dice factory fan, pelletizer machine, steam boiler, convior, machine and the net
- I help them in measuring feeds and also pack them
- I supported them in factory works and helped them with some tasks
- I was assigned to the shaving machine for packaging the feeds
- I was shown the mixer machine and some other machine and their benefits
- I help them with the swelling machine and also help them to shelve feeds
- I helped them with factory sanitation
- I was shown the different between the feeds like the 2mm, 4mm and 6mm
- I followed the driver to farm
- I was instructed to stay with those working with pelletizer machine

3.2 EXPERIENCE GAINED

Production process:

The production process involves the following steps

1. Raw Material Sourcing: The company sources raw materials, including grains, proteins, and vitamins, from reputable suppliers
2. Formulation: nutritionists formulates feed recipes based on the nutritional requirements of different poultry and bird species
3. Grinding and mixing: raw materials are ground and mixed according to the formulated recipes.
4. Pelleting: the mixed feed is then pelleted to create uniform feed particles
5. Packaging and quality control: finished feeds are packaged and undergo quality control checks before distribution

3.3 observation and Learning

During my internship, I observed the following:

1. Quality Control Measures: The company implements strict quality control measures to ensure product safety and quality.
2. Production Efficiency: The production process is designed to optimize efficiency, minimizing waste and reducing costs.
3. Research and Development: the company invests in research and development, continuously improving feed formulation and production processes.

CHAPTER 4

CHALLENGES OF FINANCIAL AND MANAGEMENT STUDENT FOR SIWES

The **Student Industrial Work Experience Scheme (SIWES)** for financial and management students comes with several challenges, including:

1. **Limited Industry Exposure:** Financial concepts are often abstract, and students may struggle to apply theoretical knowledge in practical settings.
2. **Data Analysis and interpretation:** financial students may face challenges in collecting, analyzing, and interpreting financial data in real-world scenerios.
3. **Industry-specific software and tools:** Students may not be familiar with industry-specific financial software and tools, making it difficult to adapt.
4. **Leadership and Teamwork:** management students may struggle to balance leadership roles and teamwork in a professional setting.
5. **Strategic Planning and Implementation:** Students may face challenges in developing and implementing strategic plans in a dynamic business environment.
6. **Communication and Stakeholder Management:** management students may need to improve their communication skills to effectively interact with stakeholders, including colleagues, supervisors and clients.
7. **Adapting to Industry Culture:** Students may struggle to adjust to the industry work, culture, norms and expectations.
8. **Time Management and Prioritization:** Student may face challenges in managing their time effectively and prioritizing task in a fast-pace industrial environment.
9. **Mentorship and Supervision:** Student may not receive adequate guidance and support from industry supervisors or mentors.

To overcome these challenges, student can:

1. **Seek Mentorship:** Find industry professionals who can provide guidance and support

2. **Be Proactive:** Initiate to learn and participate in industry activities.
3. **Develop Soft Skills:** Focus on building communication, teamwork, and time management skills.
4. **Reflect and Learn:** Regularly reflect on experiences and identify area s for improvement.

CHAPTER 5

CONCLUSION

My experience at Alsaabis Gold farm Nig. Ltd. Provided valuable insights into the poultry and birds feeds production industry. I gained knowledge about the production process, quality control measures, and challenges faced by the company. This experience will be beneficial for my future career in the animal feed industry.

During the course of the four months' period of SIWES (Student Industrial Work Experience Scheme) at TAQUA GOLD ALSAABIS GOLD FARM NIG. LTD., I have acquired technical skills in the field of fish feeds production skills, such as managerial skills, and have had the opportunity to experience the application of theoretical knowledge acquired in the classroom to solve real problems. I experienced the mode of operating machine, formula in producing feeds and the years it takes in a raising the fish and how to produce the feeds and measurement.

Thus, SIWES has been a success, because I have gained knowledge that ordinarily would not be obtained in the lecture hall.

RECOMMENDATION

As a result of difficulties experienced during the four months SIWES program, I would like to recommend the following changes: The duration of SIWES should be extended so as to enable students be more experienced. The ITF should make monthly allowance available for students, so as to put an end to financial difficultiesthat may arise as a result of transport problems. The Institutions and ITF should helpstudents to get a place of attachment so that the program may commence as planned.

The following recommendations were based on the findings of the study and as asolution to the identified problems.

PROPER COORDINATION AND SUPERVISION OF THE EXERCISE: The various bodies involved in the management of the SIWES exercise i.e. Industrial Training Fund (ITF), NUC, NBTE and NCCE should come together and fashion out a modality that will ensure smooth operation of the SIWES exercise. Efforts should be made to ensure that students attached to the organization are properly supervised to ensure that what they are doing is in line with the objectives of the SIWES exercise.

The various bodies involved in the management of the SIWES programme shouldliaise with the various industries ahead of time so as to minimize or reduce to the barest minimum the high level of refusal to accept students for their industrial training participation.

ISSUING OF LOG BOOKS/IT LETTERS ON TIME: The log books used bythe student during the industrial training period and the IT letters should be issued tothe students at the end of the first semester exam as against the end of second semester examination as this will afford the students enough time to search for placethat are relevant to their field of study.

EMPLOYMENT OF EXPERTS: The various institutions should endeavor to employ experts in the areas of career development to manage the student's industrialplacement centers.