

UP TO DATE REPORT ON ACTIVITIES AT PARTNER INSTITUTION

I

From available records, the partnership between CEFTER and NSPRI (and other Partners) dated back to 20th January, 2014.

The Context of the Partnership Agreement include to:

- (i) Promote regional specification among Participating Universities (and their partners) and to meet the labour market demands for skills within specific areas where there are skill shortages affecting development, economic growth and poverty reduction;
- (ii) Invest at least 15% of Project Funding in partnerships and 10% in partnership activities with African partners;
- (iii) Raise the quality and capacity of research and education in institutions in the African region.

NSPRI has participated in quiet a number of programmes organised by the center; some of these, listed in this report include:

- (a) Staff of NSPRI granted admission to pursue various programmes at Master's and Doctorate levels and the first batch is presently rounding up.
- (b) Over 100 post graduate students of the Center were sent to NSPRI for one week internships programme in 2016. It was a huge success as quiet a number of the beneficiaries not only pick research topics but learn some techniques of converting research findings for self development, economic growth and poverty reduction at personal and national level. This is one of the cardinal focuses of the agreement.

We are presently expecting the 2017 batch of students for the internship programme.

- (c) Research proposals have been submitted by NS PRI to the Center. These are awaiting approval and cash backing.

- (d) The Center recently released a total of Three million, nine hundred and seventy seven thousand, three hundred and twenty naira (N3, 977,320.00) only for the repairs of some critical equipment and infrastructures for research in NSPRI. Details of this are stated in their report.
- (e) The Center, in collaboration with NSPRI, is seriously preparing for Postharvest Congress in West Africa. The Concept Note has been forwarded by NSPRI to the Center and we are awaiting further action.

II ACHIEVEMENTS

- (a) Signing of MOU in 2004.
- (b) Postgraduate Students from the Center came for internship at NSPRI between October to December, 2016. This further exposed them to NSPRI technologies for various opportunities to select/decide areas/aspects to conduct their research work. Quiet a number of them decided on research topics for M.Sc. and Ph.D using NSPRI technologies and are currently at various stages of completion.
- (c) Sponsorship of renovation of Critical Research equipment which includes:
 - i Renovations of Storage Structures in Research Garden at Headquarters, Ilorin.
 - ii Repair and replacement of scientific equipments in *Micro Biology Laboratory* in NSPRI Headquarters, Ilorin.
 - iii Repair of faulty Critical equipment in *Chemistry Laboratory* in NSPRI Headquarters, Ilorin
 - iv. Repairs or faulty Criteria equipment in *Entomology Laboratory* in NSPRI Headquarters, Ilorin.
 - v. Repair of equipments in Post *Harvest Engineering Packaging Laboratory* in NSPRI Headquarters, Ilorin.

- (d) Attendance of Stakeholders Workshop on Developing appropriate curriculum for control of post harvest losses in West and Central Africa organised by CEFTER 27th to 31st July, 2015.
- (e) Training of staff on installation of sage management Accounting software – September, 2017.
- (f) NSPRI scientists served as lecturers in various Departments at Benue State University, under CEFTER. Some of them were involved in the supervision of student research work at Masters and Doctorate levels.

PROBLEMS

These include:

- (a) Late approval of proposals submitted by NSPRI to the Center. For example, Research Proposals for 2017 submitted sometimes back is still awaiting approval and subsequent action. Also the approved lists of books for NSPRI library are yet to be procured.
- (b) Delay in release of approved funds.
- (c) Student complains of not being provided with laptops and basic allowances.
- (d) Concept Note on Post Harvest Congress still awaiting actions.
- (e) Nevertheless, the industrial action embarked upon by ASUU may have contributed to some of these problems.
- (f) None availability of dedicated NSPRI- CEFTER Project Vehicle to ease problems encountered by logistics while carrying out activities on the partnership.
- (g) None availability of NSPRI-CEFTER Building in the Institute where the partnership activities will be conducted with ease.

- (h) Office equipment for the project is lacking. These include Computers (Desktop, Laptops and I Pads), Photocopiers, printers, scanners and the various accessories.
- (i) Secretariat staff for the various activities in the partnership process. This may even be on contract.

PENDING MATTERS

- (a) Action plan on the Concept Note on Post Harvest Congress.
- (b) Lectures series on Effect of Climate Change on Storage preservation and Processing of agricultural commodities in the tropics.
- (c) Train-the-trainers workshop on subject matter specialists in ADPs on Post Harvest Value Chain Technologies for improvement of food security in Nigeria.
- (d) Capacity building of extension workers on Post Harvest Value Chain techniques for food securities in the sub-Sahara Africa (Proposal Submitted since August, 2015)
- (e) Funding of Research Proposals submitted in September, 2017. These include:
 - i. Development and promotion of cold storage technology for extending shelf-life of fruits and vegetables.
 - ii. Evaluation of NSPRIDUST[®] as non-synthetic grains Protectant.
 - iii. Development of Solar tent for drying of grains and cassava products for quality enhancement, food safety and security in Nigeria.
 - iv. Awareness, use and profitability analysis of Post Harvest technologies at farm, household and market levels in West and Central Africa.
- (g) Procurement and supply of selected books for NSPRI Library – provision to CEFTER – July, 2017.
- (h) Student Admission for 2017/2018 Academic Session.

**REPAIRS AND RENOVATION OF CRITICAL RESEARCH EQUIPMENT /
STORAGE STRUCTURES IN NSPRI ILORIN**

MICROBIOLOGY LABORATORY





Multiple shaker



Water distiller



Water bath



Hot air oven



Incubator



Autoclave



Laminar air flow



Deep freezer

CHEMISTRY LABORATORY



Fume cupboard fan blower



Muffle furnace



Instant Moisture Tester

ENGINEERING / PACKAGING LABORATORY



Vacuum packer



Membrane Sealing Machine



Vacuum / Drying oven

STORAGE TECHNOLOGY DEMONSTRATION GARDEN



Vegetable Shed

Y





NSPRI Multipurpose Drier



FRESH CASSAVA STORAGE STRUCTURE





Metal Crib- for storage of fresh corn





ENTOMOLOGY LABORATORY



Oven











INDUSTRIAL WEIGHING BALANCE









LIST OF BENEFICIARIES OF CEFTER FELLOWSHIP FROM NSPRI

S/N	NAME	POSITION	Course of study	PROGRAM	YEAR OF COMPLETION	STATION
1	ADEGBOLA ADETAYO	Principal Research Officer (PRO)	Rural Sociology and Agricultural Extension	Ph.D	2015 - 2018	Ilorin
2.	Afolayan Sunday	Senior Research Officer (SRO)	Food chemistry	Ph.D	2015 -2018	Ilorin
3.	Olaleye Oladimeji olanipekun	Senior Research Officer	Food Processing Technology	Ph.D	2015 -2018	Ilorin
4.	Olaleye-Oriowo Praise Imamayokun	Research Officer1	Rural Sociology and Agricultural Extension	M. Sc.	2015 – 2017	Ibadan
5.	Ilemaiye, Festus Olorunfemi	Research Officer 1	Rural Sociology and Agricultural Extension	Ph.D	2016 – 2019	Ilorin
6	Kalmadeen Oladimeji Salaudeen	Research Officer 1	Food Processing Technology	Ph.D	2016 – 2019	Kano
7.	Zaka, Kafayat Oluwatoyin	Principal Research Officer (PRO)	Rural Sociology and Agricultural Extension	Ph.D	2016 -2019	Ibadan
8	Agboola Adebisi Ayodeji	Senior research officer (SRO)	Food Processing Technology	M.Sc.	2016 – 2018	Lagos
9	Adeniran Tosan Reene	Chief research officer	Biostatistic	M.Sc.	2016- 2018	Lagos

NIGERIAN STORED PRODUCTS RESEARCH INSTITUTE
CEFTER

FINANCIAL STATEMENT AS AT OCTOBER 2017

	₦	₦
Balance B/F		38,053.00
Amount Received		<u>3,977,320.00</u>
Less Expenses:		4,015,373.00
Entertainment	37,000.00	
Renovation of Storage Structures	1,390,331.26	
Bank Charges	<u>484.00</u>	
	1,427,815.26	
Less Committed Cost:	<u>2,469,723.76</u>	
	3,897,539.02	
Balance	<u>117,833.98</u>	
	<u>4,015,373.00</u>	<u>4,015,373.00</u>

Oyolola S.A.

Project Accountant

NOTE: Committed Cost Comprise the Following:

Renovation of Storage Structures	1,390,331.26
Repair of Equipment (Post Harvest)	217,192.50
Repair of Equipment (Chemistry)	110,000.00
Repair of Equipment (Entomology)	397,000.00
Repair of Equipment (Microbiology)	<u>355,200.00</u>
	<u>2,469,723.76</u>

V. PLANNED ACTIVITIES FOR THE NEXT 6 MONTHS

These Include:

- (a) Commencement of research activities proposed for 2017. This is subject to approval and timely release of fund by the Center.
- (b) Procurement of approved list of books for NSPRI library by the Center.
- (c) Fully conduct the 2017 Internship Programme.
- (d) Execution of the Post Harvest Congress.
- (e) Final admission of NSPRI staff for 2017/2018 Postgraduate programme by the center.
- (f) Graduation from course by NSPRI staff that are expected to complete their course.
- (g) Commissioning of the Rehabilitated Research equipment in NSPRI, Funded by CEFTER.