Financing Agreement

(West Africa Agricultural Productivity Program (WAAPP) – Ghana Project under the Second Phase of the WAAPP)

between

REPUBLIC OF GHANA

and

INTERNATIONAL DEVELOPMENT ASSOCIATION

Dated Sept 25, 2012
FINANCING AGREEMENT

AGREEMENT dated 25 Sept, 2012, entered into between the REPUBLIC OF GHANA ("Recipient") and INTERNATIONAL DEVELOPMENT ASSOCIATION ("Association").

WHEREAS (A) By extending financial assistance in 2007 to the Recipient, the Republic of Mali and the Republic of Senegal, in 2010 to Burkina Faso, the Republic of Côte d'Ivoire and the Federal Republic of Nigeria, and in 2011 to the Republic of Benin, the Republic of The Gambia, the Republic of Liberia, the Republic of Niger, the Republic of Sierra Leone, and the Republic of Togo, the Association has provided support to precedent activities under the first phase of the West Africa Agricultural Productivity Program ("Program") which aims at: (i) implementing the Agricultural Policy ("ECOWAP", as further defined in the Appendix to this Agreement) of the Economic Community of West African States ("ECOWAS"); and (ii) contributing to the sustained agricultural productivity increase in the ECOWAS region's top priority commodity subsectors;

(B) the Recipient, having satisfied itself as to the feasibility and priority of the project ("Project", as described in Schedule I hereto) under the second phase of the Program, has requested the Association to assist in the financing of the Project;

(C) by a financing agreement to be entered into between the Republic of Senegal ("Senegal") and the Association ("Senegal Financing Agreement", as further defined in the Appendix to this Agreement), the Association will extend to Senegal a credit in an amount equivalent to thirty-eight million seven hundred thousand Special Drawing Rights (SDR 38,700,000) to assist Senegal in financing part of the cost of activities related to the Project, on the terms and conditions set forth in the Senegal Financing Agreement;

(D) Parts A.1.2, A.2.7, B.5, C.1.1, C.2.2 and D.(i) of the Project will be carried out by Le Conseil Ouest et Centre Africain pour la Recherche et le Développement Agricoles ("CORAF" or "Project Implementing Entity") (as further defined in the Appendix to this Agreement) with the Recipient's assistance and, as part of such assistance, the Recipient will make a portion of the proceeds of the credit provided for in Article I of this Agreement available to CORAF as set forth in this Agreement; and

(E) the Association has also agreed on the basis of the foregoing to extend the credit provided for in Article II of this Agreement to the Recipient upon the terms and conditions set forth in this Agreement and in the Project Agreement to be entered into between the Association and CORAF ("Project Agreement");
NOW THEREFORE the Recipient and the Association hereby agree as follows:

ARTICLE I — GENERAL CONDITIONS; DEFINITIONS

1.01. The General Conditions (as defined in the Appendix to this Agreement) constitute an integral part of this Agreement.

1.02. Unless the context requires otherwise, the capitalized terms used in this Agreement have the meanings ascribed to them in the General Conditions or in the Preamble or in the Appendix to this Agreement.

ARTICLE II — CREDIT

2.01. The Association agrees to extend to the Recipient, on the terms and conditions set forth or referred to in this Agreement, a credit in an amount equivalent to thirty-eight million seven hundred thousand Special Drawing Rights (SDR 38,700,000) ("Credit") to assist in financing the Project.

2.02. The Recipient may withdraw the proceeds of the Credit in accordance with Section IV of Schedule 2 to this Agreement.

2.03. The Maximum Commitment Charge Rate payable by the Recipient on the Unwithdrawn Credit Balance shall be one-half of one percent (1/2 of 1%) per annum.

2.04. The Service Charge payable by the Recipient on the Withdrawn Credit Balance shall be equal to three-fourths of one percent (3/4 of 1%) per annum.

2.05. The Payment Dates are February 15 and August 15 in each year.

2.06. The principal amount of the Credit shall be repaid in accordance with the repayment schedule set forth in Schedule 3 to this Agreement.

2.07. The Payment Currency is the Dollar.
ARTICLE III — PROJECT

3.01. The Recipient declares its commitment to the objective of the Project. To this end, the Recipient shall (i) carry out Parts A.1.1, A.2.1, A.2.3, A.2.4, A.2.5, A.2.6, B.1, B.2, B.3, B.4, C.1.2, C.2.1, C.3 and D.(ii) of the Project through MoFA; and (ii) pursuant to the Subsidiary Grant Agreement, cause Parts A.1.2, A.2.2, A.2.7, B.5, C.1.1, C.2.2 and D.(i) of the Project to be carried out by CORAF, all in accordance with the provisions of Article IV of the General Conditions and the Project Agreement.

3.02. Without limitation upon the provisions of Section 3.01 of this Agreement, and except as the Recipient and the Association shall otherwise agree, the Recipient shall ensure that the Project is carried out in accordance with the provisions of Schedule 2 to this Agreement.

ARTICLE IV — REMEDIES OF THE ASSOCIATION

4.01. The Additional Event of Suspension consists of the following, namely, that the CORAF’s Legislation has been amended, suspended, abrogated, repealed or waived so as to affect materially and adversely the ability of CORAF to perform any of its obligations under the Project Agreement.

4.02. The Additional Event of Acceleration consists of the following, namely, that the event specified in Section 4.01 of this Agreement occurs.

ARTICLE V — EFFECTIVENESS; TERMINATION

5.01. The Additional Condition of Effectiveness consists of the following, namely, that the Subsidiary Grant Agreement has been executed on behalf of the Recipient and CORAF.

5.02. The Additional Legal Matter consists of the following, namely, that the Subsidiary Grant Agreement has been duly authorized by the Recipient and CORAF and is legally binding upon the Recipient and CORAF in accordance with its terms.

5.03. The Effectiveness Deadline is the date ninety (90) days after the date of this Agreement.

5.04. For purposes of Section 8.05 (b) of the General Conditions, the date on which the obligations of the Recipient under this Agreement (other than those providing for payment obligations) shall terminate is twenty (20) years after the date of this Agreement.
ARTICLE VI — REPRESENTATIVE; ADDRESSES

6.01. The Recipient's Representative is its Minister for Finance and Economic Planning.

6.02. The Recipient's Address is:

Ministry of Finance and
Economic Planning
P.O. Box MB40
Accra
Republic of Ghana

Cable:          Telex:          Facsimile:
ECONOMICON      2205 MIFAEP GH    (233) 302-667069
Accra          (233) 302-663854

6.03. The Association's Address is:

International Development Association
1818 H Street, N.W.
Washington, D.C. 20433
United States of America

Cable:          Telex:          Facsimile:
INDEVAS         248423 (MCI)    (1) 202-477-6391
Washington, D.C.
AGREED at Abrau, Ghana, as of the day and year first above written.

REPUBLIC OF GHANA

By

Kwabena Duffuor
Authorized Representative
Name: Kwabena Duffuor
Title: Minister

INTERNATIONAL DEVELOPMENT ASSOCIATION

By

Authorized Representative
Name: Yusufa Croates
Title: Country Director
SCHEDULE 1

Project Description

The objective of the Project is to scale-up the generation, dissemination and adoption of improved technologies in the Participating Countries' priority agricultural commodity areas.

The Project constitutes the second phase of the Program, and consists of the following parts:

Part A: Enabling Conditions for Regional Cooperation in Generation, Dissemination and Adoption of Agricultural Technologies

Carrying out of a program aimed at strengthening the mechanisms for cross-border exchange of technologies, so as to allow the Participating Countries to benefit fully from the regional cooperation in technology generation and exchange, encompassing the provision of goods, consultants’ services, training, and the financing of Operational Costs required for:

1. Implementation of ECOWAS Common Regulations

1.1. The dissemination and implementation by the Recipient of regional regulations on seeds, pesticides, fertilizers and veterinary products, once they are adopted, through: (i) the carrying out of action plans for the registration and regulation of veterinary and animal products; (ii) the delivery of workshops and awareness programs for national institutions and major private stakeholders (seeds and fertilizer agro-dealers, seed growers) on the ECOWAS’ regulations and the development of catalogues on seeds and pesticides; (iii) the building of the capacity of the National Seed Council, the National Fertilizer Council, the Plant Protection Advisory Council and their committees, and of the Recipient's national seed certification system (PPRSD and seed certification staff); and (iv) the upgrading of the Recipient’s national reference laboratories (including the Environmental Protection Agency (EPA) laboratory for pesticides) and the quarantine facilities and reference laboratories of the Recipient’s veterinary services; and (v) the carrying out of the ISO certification process for said laboratories.

1.2. The strengthening of the implementation of ECOWAS regulations on seeds, pesticides, fertilizers and veterinary products at the regional level, through: (i) technical services and workshops for the setting up of ECOWAS regional level seeds and pesticides councils; (ii) the development of regional catalogues on seeds and pesticides; and (iii) the development of the common regulations on fertilizers and veterinary products.
2. **Mainstreaming of Regional Strategies Into National Action Plans**

Carrying out a program to operationalize regional strategies developed by CORAF into the Participating Countries' action plans, encompassing:

2.1. **The updating and implementation by the Recipient of its national communication action plan to accelerate adoption of innovations in agriculture, including mass communication (national/private frequency modulated stations and television), development of communication materials (documentaries, newsletters and brochures) and diffusion of resource kits on compact discs/digital video discs on innovation practices.**

2.2. **Carrying out of a program of capacity building for CORAF's regional communications/information technical network of communications officers, encompassing: (i) the update by CORAF of the regional and national Program websites and the establishment of a web program allowing discussions among Participating Countries; and (ii) the implementation by CORAF of a distance learning program that will facilitate networking and sharing of best practices among stakeholders and technical networks in the region.**

2.3. **The development by the Recipient of an action plan to mainstream gender concerns into national research and extension programs, including: (i) updating and implementation of the gender action plans; (ii) capacity building for the gender focal points and training programs on the use of gender approaches and tool kits for stakeholders; (iii) screening of research proposals and extension programs to address the needs of gender; (iv) integration of gender concerns in communication messages; and (v) review and application of case studies on gender in technology generation and dissemination.**

2.4. **The design and implementation by the Recipient of: (i) a commodity based climate change action plan in line with the national and regional strategies; and (ii) capacity building of relevant stakeholders for the purpose of mainstreaming climate change considerations in agricultural research and extension planning, implementation and monitoring.**

2.5. **The development by the Recipient of a sustainable financing mechanism for the existing Competitive Agricultural Research Grant Scheme (CARGS) and an appropriate institutional arrangement, through: (i) study tours, advisory services and workshops for the improvement of its policies and financing mechanisms to make the competitive funding schemes more sustainable and robust; (ii) the review of the Recipient's relevant national legislation and the development of suitable legislation harmonized with the legislation of the other Participating Country; (iii) the preparation of similarly harmonized financial manuals of procedures for such financing mechanism's effective, transparent, and participatory management; and (iv) the setting up of suitable monitoring and
evaluation systems adequate to supervise and, thereby, ensure the profitable performance of the financing mechanism and its accompanying institutional arrangements.

2.6. The strengthening of the Recipient’s regulatory body for, and management of, intellectual property rights ( "IPR" ), through: (i) the carrying out of studies on the relevance and return on investment of IPR protection for specific technologies; (ii) the implementation of the registration process of IPR to strategic technological innovations, when the return to investment is justified; and (iii) capacity building for the CSIR on the management of IPR.

2.7. Carrying out by CORAF cf a program to implement and monitor the environmental and social management of safeguards policies under the Project, consisting of: (i) capacity building (regional trainings and workshops) for CORAF’s network, to consolidate the Participating Countries’ environmental and social safeguards focal points and stakeholders; (ii) an assessment of the implementation of the safeguard policies, including the ESMF, PMP and RPF; and (iii) studies and workshops to address specific safeguards issues at regional level.

Part B: National Center of Specialization (NCoS)

Consolidation of the strengthening of the operational capacities of the NCoS of the Participating Countries and support in their transformation into Regional Centers of Excellence on the basis of graduation criteria, encompassing the provision of works, goods, consultants’ services, non-consulting services, training (including academic training), and the financing of Operational Costs and Small Grants required for:

1. The construction and rehabilitation of the CSIR-CRI’s selected additional infrastructure, laboratories, research and seed production fields, training centers, offices, staff residences and guest accommodations (including for the CSIR-FRI, the CSIR-PCRI, the CSIR-SARI and the CSIR-SRI), and the provision of equipment required for the purpose.

2. The processing by the Recipient of ISO certification for the CSIR’s management and laboratories, through technical advisory services, training and workshops.

3. The enhancement by the Recipient of the capacity of research scientists and the facilitation of national, sub-regional and international partnerships for root and tuber crops, including: (i) the preparation and implementation of an annual human resource development plan; (ii) the provision of on the job and academic training programs for young researchers at the level of master's degree in science and doctor of philosophy; and (iii) a research exchange program for visiting scientists (mobility of researchers).
4. The development and implementation of CSIR's core research and development dissemination programs for root and tuber crops, including: (i) the implementation, through the provision of Small Grants, of priority research activities responding to key constraints along the value chain; (ii) the provision of capacity building and the financing of Operational Costs for research and development networks; and (iii) the development and strengthening of regional and international partnerships, and the establishment of backstopping arrangement from CGIAR institutions and other relevant international research institutions.

5. The strengthening of CORAF with a view: (i) to facilitate and monitor the transition of the CSIR-CRI to a RCoE; (ii) to organize the regional planning workshops of research programs, exchange and training activities and the consolidation of annual regional action plans; (iii) to organize regional workshops to promote and facilitate efficient partnerships with CGIAR centers; and (iv) to undertake regional policy research and market integration initiatives to improve long-term research and development sustainability.

Part C: Demand-Driven Technology Generation and Adoption

Carrying out of a program aimed to bridge the gap between research and farmers field productivity levels, by means of broadening the range of adapted technologies across selected priority commodities and the scaling-up of their dissemination and adoption, and encompassing the provision of works, goods, consultants' services, ron-consulting services, training, study tours and workshops and the financing of Operational Costs and Grants for:

1. Demand-Driven Technology Generation

1.1. Regional Window: Expansion of CORAF's CARGS through: (i) the delivery of stakeholder priority-setting workshops; and (ii) the financing of Grants to carry out projects of multi-country team of researchers to research activities, involving at least three ECOWAS countries.

1.2. National Window: Expansion of the national CARGS at the CSIR through: (i) the delivery of the annual stakeholder workshops to develop, follow-up and update national research and development action plans for priority-setting in the domain of technology generation and dissemination for each of the targeted value chains; and (ii) to finance Grants for multidisciplinary adaptive research teams to address priority needs of stakeholders along the value chains and test and adapt technologies generated by the NCoS in the sub-region.
2. **Accelerated Adoption of Released Technologies**

2.1. Stepping up by the Recipient of the adoption of released technologies developed under the previous phases of the Program in order to bridge the yield gap between farmers and researchers and research and reinforcement of the dissemination of technologies generated under the Project, through: (i) the carrying out of stakeholder workshops at zonal and national levels to prepare national dissemination action plans for released technologies; (ii) the delivery of demonstrations of released technologies responding to beneficiary needs; (iii) the development of efficient extension methodologies including innovation platforms, farmers field fora and farmer days; (iv) the promotion of released technologies through various information systems and communications media with the aim of improving awareness of technology options and expand their use; (v) participatory training on extension methodologies (including e-extension) and released technologies for agricultural advisory service providers, including national extension services, non-governmental organizations, input providers, farmers organizations, and other private stakeholders; and (v) the rehabilitation and equipping of MoFA national agricultural stations and the provision of the vehicles required for the purpose.

2.2. Strengthening of CORAF (i) to undertake policy research and action to promote efficient participative and pluralistic extension systems involving all key stakeholders within a regional think-tank; and (ii) to implement technology awareness action plans developed by relevant regional organizations.

3. **Facilitating Access to Improved Genetic Material**

Expansion by the Recipient of the availability to, and access of, producers to improved genetic materials of seeds, planting materials and animal breeds, specially for the targeted priority value chains, entailing: (i) the development and consolidation of seed production policies and systems taking into account the Recipient’s seed subsidy systems and the implementation of multi-annual seed production planning sessions involving all stakeholders; (ii) the development and improvement of the Recipient’s gene banks with a view to manage biodiversity and climate change through better conservation of its genetic assets; (iii) the upgrading of the capacity of public research stations to produce and store breeder and foundation seeds through investment in irrigation facilities as well as laboratory and storage equipment; (iv) the scaling-up of the production of certified seeds by private enterprises and farmers organizations; and (v) the provision of mini kits of improved seeds to producers to jump-start dissemination and training and technical assistance for seed companies and seed producers.
Part D: Project Coordination, Management, Monitoring and Evaluation

Establishment of an effective coordination, management, monitoring and evaluation system for the Project at both: (i) the regional; and (ii) the national levels, thereby ensuring the implementation at each level of suitable financial management and procurement systems by CORAF and the PCU, timely reporting on Project activities, annual training programs for the PCU and the staff of the agencies involved in Project implementation, accurate monitoring and evaluation of regional and national agricultural productivity, and carrying out of a communication strategy, all through the provision of vehicles and goods, consultants’ services, non-consulting services, training, and the financing of Operational Costs.
SCHEDULE 2

Project Execution

Section I. Implementation Arrangements

A. Institutional Responsibilities

1. Ministry of Food and Agriculture

The Recipient, through its MoFA, shall assure that overall coordination of the Project is carried out by the PCU.

2. National Steering Committee

The Recipient, through MoFA, shall maintain throughout Project implementation, the National Steering Committee with terms of reference satisfactory to the Association and vested with responsibility for providing policy guidance and orientation to the national coordination and implementation units of the Project and for ensuring the coherence and integration of the Program within the METAS.P. The National Steering Committee shall be chaired by the Recipient's Minister for Food and Agriculture (or his/her representative) and its composition shall include representatives from the government, stakeholders, farmers and the private sector. The National Steering Committee shall meet at least twice each Fiscal Year to undertake, *inter alia*, the review and approval of the draft AWP&B and the approval of the annual report to be prepared by the Project Coordinator not later than October 31 each year, and to follow-up on, and assess the progress in, the carrying out of the precedent AWP&B.

3. Project Coordination Unit

(a) The Recipient shall maintain throughout Project implementation the Project Coordination Unit ("PCU"), headed by the Project Coordinator, within MoFA under terms of reference and staffed in number and with qualifications satisfactory to the Association, thereby ensuring that the PCU (acting as the National Coordination Unit), oversee and take all measures necessary for the suitable and timely implementation of Parts A.1.1, A.2.1, A.2.3, A.2.4, A.2.5, A.2.6, B.1, B.2, B.3, B.4, C.1.2, C.2.1, C.3 and D.(ii) of the Project pursuant to the provisions of this Agreement, including without limitation: (i) in general, the coordination and management of the Credit and the carrying out of the procurement, monitoring, evaluation and reporting functions; and (ii) in particular, the assessment of impacts and systematic analysis of lessons learnt and the monitoring of the overall progress in implementing agricultural research activities undertaken within the CSIR.
(b) The Recipient, through its Minister for Food and Agriculture, shall maintain a Project Coordinator to oversee daily implementation of Parts A.1.1, A.2.1, A.2.3, A.2.4, A.2.5, A.2.6, B.1, B.2, B.3, B.4, C.1.2, C.2.1, C.3 and D.(ii) of the Project and to manage the PCU, which shall be enhanced by any additional staff that may be necessary for the successful implementation of the Project, and particularly for the strengthening of the PCU in the areas of procurement, communication and agricultural extension. For such purposes, the Recipient shall: (i) maintain the Project Coordinator assisted by key staff appointed by MoFA; and (ii) not later than three (3) months after the Effective Date, appoint or recruit for the PCU one (1) technical expert, one (1) communications officer, one (1) procurement specialist, one (1) financial management specialist, and one (1) monitoring and evaluation officer, all with terms of reference, qualifications and experience satisfactory to the Association.

B. Implementation Modalities

1. Parts A.1.1, A.2.1, A.2.3, A.2.4 and A.2.5 of the Project: Establishment of Regional Regulations on Seeds, Pesticides, Fertilizers and Veterinary Products

For the purposes of carrying out Parts A.1.1, A.2.1, A.2.3, A.2.4 and A.2.5 of the Project, the PCU shall conclude with each concerned Directorate of MoFA and suitable public and/or private service providers, a result-based memorandum of understanding with terms and conditions satisfactory to the Association: (i) entrusting responsibility for implementation of such Parts of the Project to the relevant Directorate or service provider; and (ii) setting forth the implementation details and the Directorate's or service provider, as the case may be, undertaking to assure the efficient carrying out of such Parts of the Project.

2. Part B of the Project: National Center of Specialization (NCoS)

For the purposes of carrying out Part B of the Project, the PCU shall enter into an implementation agreement with CSIR whereby the PCU shall: (i) entrust to CSIR its implementation responsibilities thereunder; and (ii) ensure Part 2 is carried out by CSIR as planned in the AWP&B and in accordance with the provisions of the Project Implementation Manual.

3. Small Grants under Part B.4 of the Project and Grants under Part C.1.2 of the Project

(a) Small Grants under Part 2.4 of the Project shall be managed and monitored by the CSIR pursuant to the provisions of the Project Implementation Manual and within the framework of the AWP&B, and shall be made available to the Beneficiaries on the basis of the specific Research Proposals previously validated by the PCU and included and
approved in the AWP&B to finance an amount not exceeding the total estimated cost of the activities it will finance.

(b) The national CARGS under Part C.1.2 of the Project shall be managed and monitored by the CSIR pursuant to the procedures of, and under the terms and conditions set forth in, the CARGS Manual of Procedures. The CSIR shall: (i) evaluate the Grant applications; (ii) decide on which Grants shall receive financing under the Credit; (iii) approve the Grant for disbursement, ensuring it will not exceed the total estimated cost of the activities it will finance and, thereafter, conclude the Grant Agreement with each Beneficiary; and (iv) not assign, amend, abrogate or waive the CARGS Manual of Procedures or any of its provisions without the Association's prior written agreement.

(c) Without any limitation upon the provisions of the preceding paragraphs (a) and (b), the Recipient shall take all action necessary to ensure that, in making Small Grants and Grants available, as the case may be, the CSIR shall obtain rights adequate to protect the interests of the Recipient and those of the Association, including the right:

(i) to suspend or terminate the right of the Beneficiary to use the proceeds of the Small Grant or Grant, as the case may be, or obtain a refund of all or any part of the amount of the Small Grant or Grant then withdrawn, as the case may be, upon the Beneficiary's failure to perform any of its obligations, respectively, under the Research Proposal or Grant Agreement; and

(ii) to require each Beneficiary: (A) to carry out the activities for which the Small Grant or Grant, as the case may be, was given with due diligence and efficiency and in accordance with sound agricultural, technical, economic, financial, managerial, environmental and social standards and practices satisfactory to the Association, including in accordance with the provisions of the Anti-Corruption Guidelines applicable to recipients of grant proceeds other than the Recipient, and under the terms and conditions stipulated in the Project Implementation Manual or the CARGS Manual of Procedures, as the case may be; (B) to provide, promptly as needed, the resources required for the purpose of the Small Grant or Grant, as the case may be; (C) to procure the goods, works and services to be financed out of the proceeds of the Small Grant or Grant, as the case may be, in accordance with the provisions of this Agreement; (D) (1) to maintain a financial management system and prepare financial statements in accordance with consistently applied accounting
standards acceptable to the Association, both in a manner adequate to reflect the operations, resources and expenditures related to the Small Grant or Grant, as the case may be; and (2) at the Association’s or the Recipient’s request, to have such financial statements audited by independent auditors acceptable to the Association, in accordance with consistently applied auditing standards acceptable to the Association, and promptly furnish the statements as so audited to the Recipient and the Association; (E) upon reasonable request, to enable the Recipient and the Association to inspect its activities and operations and any relevant records and documents; and (F) to prepare and furnish to the Recipient and the Association all such information as the Recipient or the Association shall reasonably request relating to the foregoing.

(d) The Recipient shall take all measures necessary to ensure that the CSIR, when and as appropriate, shall exercise its rights under each Research Proposal or Grant Agreement, as the case may be, in such manner as to protect the interests of the Recipient and the Association and to accomplish the purposes of the Credit.

4. Parts C.2.1 and C.3 of the Project: Support to Accelerated Adoption of Released Technologies and Facilitating Access to Improved Genetic Material

The Recipient, through the FCU, shall carry out Parts C.2.1 and C.3 of the Project through contractual arrangements to be concluded with relevant public or private service providers in accordance with the provisions of the Project Implementation Manual.

5. Selection of Facilities and Stations under Parts B.1, C.2.1 (v) and C.3 (iii) of the Project

In order to maximize the benefits to be derived from the Project, the Recipient, through the PCU, shall:

(a) select: (i) the core facilities of the CSIR-CRI, CSIR-FRI, CSIR-PCRI, CSIR-SARI and CSIR-SRI proposed to be constructed and rehabilitated under Part B.1 of the Project; (ii) the MoFA national agricultural stations proposed to be rehabilitated under Part C.2.1 (v) of the Project; and (iii) the public research stations proposed to be upgraded under Part C.3 (iii) of the Project, applying the following criterion: the facility or the station has been identified by MoFA or the management of the CSIR, as applicable, on the basis of consultations carried out with the relevant Directorates of MoFA or the CSIR researchers during the preparation of
the priority list of works and during the validation of the design of the works; and

(b) thereafter, furnish to the Association for approval for financing out of the proceeds of the Credit the list of the facilities and stations as so selected.

6. Project Implementation Manual

The Recipient, through the PCU, shall: (i) take all action required to carry out Parts A.1.1, A.2.1, A.2.2, A.2.4, A.2.5, A.2.6, B.1, B.2, B.3, B.4, C.1.2, C.2.1, C.3 and D.(ii) of the Project in accordance with the provisions and requirements set forth or referred to in the Project Implementation Manual; (ii) submit recommendations to the Association for its consideration for changes and updates of the Project Implementation Manual as they may become necessary or advisable during Project implementation in order to achieve the objective of Parts A.1.1, A.2.1, A.2.3, A.2.4, A.2.5, A.2.6, B.1, B.2, B.3, B.4, C.1.2, C.2.1, C.3 and D.(ii) of the Project; and (iii) not assign, amend, abrogate or waive the Project Implementation Manual or any of its provisions without the Association's prior written agreement. Notwithstanding the foregoing, if any of the provisions of the Project Implementation Manual is inconsistent with the provisions of this Agreement, the provisions of this Agreement shall prevail and govern.

7. Training under Parts A.1.1, A.2.1, A.2.3, A.2.4, A.2.5, A.2.6, B.1, B.2, B.3, B.4, C.1.2, C.2.1, C.3 and D.(i) of the Project

For the purposes of the training (including academic training) to be financed under Parts A.1.1, A.2.1, A.2.3, A.2.4, A.2.5, A.2.6, B.1, B.2, B.3, B.4, C.1.2, C.2.1, C.3 and D.(ii) of the Project and to be delivered through academic studies, study tours, workshops, seminars, conferences, and on the job training, the Recipient shall:

(a) furnish to the Association for its approval, not later than January 31 of each year, a training program including an explanation of how such training is consistent and conducive to the objectives of the Project and whether it offers the best price/quality ratio, as well as the schedule for its implementation;

(b) select the trainees in accordance with a transparent process and criteria satisfactory to the Association; and

(c) furnish to the Association a report of such scope and detail as the Association shall reasonably request, on the expected results of each training and the benefits to be derived therefrom.
8. **Annual Work Plan and Budget (AWP&B)**

The Recipient, through the PCU, shall:

(a) prepare a draft AWP&B for each Fiscal Year, setting forth, *inter alia*: (i) a detailed description of planned activities for Parts A.1.1, A.2.1, A.2.3, A.2.4, A.2.5, A.2.6, B.1, B.2, B.3, B.4, C.1.2, C.2.1, C.3 and D.(ii) of the Project for the following Fiscal Year; (ii) the sources and uses of funds therefor; and (ii) responsibility for execution of said Project activities, budgets, start and completion date, outputs, and monitoring indicators to track progress of each activity;

(b) not later than November 30 of each Fiscal Year and after considering the comments provided by the National Steering Committee, furnish to the Association for its comments and approval, the draft AWP&B and, promptly thereafter, finalize the AWP&B taking into account the Association's views and recommendations thereon; and

(c) adopt and sign the final version of the AWP&B in the form approved by the Association not later than December 31 of such Fiscal Year.

9. **CORAF Arrangements: Subsidiary Grant Agreement**

(a) For the purpose of carrying out Parts A.1.2, A.2.2, A.2.7, B.5, C.1.1, C.2.2 and D.(i) of the Project, the Recipient shall make the proceeds of the Credit allocated from time to time to Categories (2)(b) and (4) available to CORAF on a grant basis under a subsidiary grant agreement to be entered into between the Recipient and CORAF, under terms and conditions approved by the Association ("Subsidiary Grant Agreement").

(b) The Recipient shall exercise its rights and carry out its obligations under the Subsidiary Grant Agreement in such manner as to protect the interests of the Recipient and the Association and to accomplish the purposes of the Credit. Except as the Association shall otherwise agree in writing, the Recipient shall not assign, amend, abrogate or waive the Subsidiary Grant Agreement or any of its provisions. Notwithstanding the foregoing, if any of the provisions of the Subsidiary Grant Agreement is inconsistent with the provisions of this Agreement or the Project Agreement, the provisions of this Agreement or the Project Agreement, as the case may be, shall prevail and govern.

C. **Anti-Corruption**

The Recipient shall ensure that the Project is carried out in accordance with the provisions of the Anti-Corruption Guidelines.
D. Safeguards Covenants

1. Works under Parts B.1, C.2.1 (v) and C.3 (iii) of the Project

Prior to the award of each contract for works under Parts B.1, C.2.1 (v), and C.3 (iii) of the Project, the Recipient, through the PCU, shall: (i) furnish to the Association a written attestation for the specific site where the works will be undertaken that the works shall not cause or result in Resettlement or submit to the Association for its review and approval the related site-specific Resettlement Action Plan (RAP) in accordance with the provisions of the Resettlement Policy Framework (RPF) and in form and substance satisfactory to the Association; (ii) submit to the Association for its review and approval the related site-specific Environmental and Social Impact Assessment (ESIA) or Environment and Social Management Plan (ESMP), as the case may be, in accordance with the provisions of the ESMP and in form and substance satisfactory to the Association; (iii) consult upon and disclose the site-specific ESIA or ESMP, if there is one, as approved by the Association; and (iv) thereafter, ensure that the relevant mitigation and monitoring provisions of the ESIA or ESMP, as the case may be, and RAP, if applicable, are appropriately included in the works contract concluded for the site and that they are implemented in the carrying out of Parts B.1, C.2.1 (v) and C.3 (iii) of the Project.

2. Pest Management Plan

The Recipient, through the PCU, shall follow and apply at all times in the implementation of Parts B and C of the Project the provisions of the Pest Management Plan in a timely manner, ensuring that: (i) mitigation and monitoring measures acceptable to the Association are designed and implemented with due diligence and employing appropriate environmental expertise; and (ii) adequate information on the implementation of the measures contained in the PMP is appropriately included in the Progress Reports referred to below in Section II.A.1.

3. Environmental and Social Screening Arrangements

The Recipient shall take all measures required on its behalf so that the CSIR: (i) screen, under Parts B.4 and C.1.2 of the Project, the activities under the Research Proposals and Grants proposals submitted for financing out of the proceeds of the Credit; (ii) ensure that each Beneficiary: (A) carry out an appropriate site-specific Environmental and Social Impact Assessment (ESIA) or Environment and Social Management Plan (ESMP), as the case may be, and a Resettlement Action Plan, if there is Resettlement, for each such activities in accordance with the provisions of the ESMP and RPF, as the case may be, and in form and substance satisfactory to the Association; and (B) consult upon and disclose the site-specific ESIA or ESMP, as the case may be, and the RAP, if there is one, as approved by the
Association; (iii) verify (through its own staff, outside experts, or existing environmental/social institutions) before approving the Research Proposal or Grant proposal that the activities meet the environmental and social requirements of appropriate national and local authorities and that they are consistent with the Association's applicable environmental and social assessment and safeguard policies and comply with the environmental and social review procedures set forth in the Project Implementation Manual or the CARGS Manual of Procedures, as the case may be; and (iv) thereafter, ensure that the relevant mitigation and monitoring provisions of the ESIA or ESMP, as the case may be, and RAP, if there is one, are appropriately implemented.

4. **Biosafety Requirements**

The Recipient shall carry out Parts A.1.1, A.2.1, A.2.3, A.2.4, A.2.5, A.2.6, B.1, B.2, B.3, B.4, C.1.2, C.2.1, C.3 and D.(ii) of the Project pursuant to its obligations under, and in accordance with environmental safeguards and international good practice and standards consistent with those of, the Cartagena Protocol on Biosafety.

**Section II. Project Monitoring, Reporting and Evaluation**

**A. Project and Completion Reports**

1. The Recipient, through the PCU, shall monitor and evaluate the progress of Parts A.1.1, A.2.1, A.2.3, A.2.4, A.2.5, A.2.6, B.1, B.2, B.3, B.4, C.1.2, C.2.1, C.3 and D.(ii) of the Project and prepare Project Reports in accordance with the provisions of Section 4.08 of the General Conditions and on the basis of the National Monitoring and Evaluation Indicators. Each Project Report shall cover the period of six (6) months of each calendar year, and shall be furnished to the Association and CORAF not later than forty-five (45) days after the end of the period covered by such report.

2. For purposes of Section 4.08 (c) of the General Conditions, the report on the execution of Parts A.1.1, A.2.1, A.2.3, A.2.4, A.2.5, A.2.6, B.1, B.2, B.3, B.4, C.1.2, C.2.1, C.3 and D.(ii) of the Project and related plan required pursuant to that Section shall be furnished to the Association and CORAF not later than four (4) months after the Closing Date.
B. Mid-Term Review

The Recipient, through the PCU, shall:

(a) maintain policies and procedures adequate to enable it to monitor and evaluate on an ongoing basis, in accordance with the National Monitoring and Evaluation Indicators, the carrying out of Parts A.1.1, A.2.1, A.2.3, A.2.5, A.2.6, B.1, B.2, B.3, B.4, C.1.2, C.2.1, C.3 and D.(ii) of the Project and the achievement of the objective thereof;

(b) prepare, under terms of reference satisfactory to the Association, and furnish to the Association, on or about May 15, 2015, a report integrating the results of the monitoring and evaluation activities and setting out the measures recommended to ensure the efficient carrying out of Parts A.1.1, A.2.1, A.2.3, A.2.5, A.2.6, B.1, B.2, B.3, B.4, C.1.2, C.2.1, C.3 and D.(ii) of the Project and the achievement of the objective thereof during the period following such date; and

(c) review with the Association, on or about July 15, 2015, or such later date as the Association shall request, the report referred to in the preceding paragraph (b), and thereafter, take all measures required to ensure the efficient completion of Parts A.1.1, A.2.1, A.2.3, A.2.4, A.2.5, A.2.6, B.1, B.2, B.3, B.4, C.1.2, C.2.1, C.3 and D.(ii) of the Project and the achievement of the objective thereof, based on the conclusions and recommendations of the said report and the Association’s views on the matter.

C. Financial Management, Financial Reports and Audits

1. The Recipient shall main cause to be maintained a financial management system in accordance with the provisions of Section 4.09 of the General Conditions.

2. Without limitation on the provisions of Part A of this Section, the Recipient shall prepare and furnish to the Association as part of the Project Report not later than forty-five (45) days after the end of each calendar quarter, interim unaudited financial reports for the Project covering the said quarter, in form and substance satisfactory to the Association.

3. The Recipient shall have its Financial Statements audited in accordance with the provisions of Section 4.09 (b) of the General Conditions. Each audit of the Financial Statements shall cover the period of one (1) Fiscal Year of the Recipient. The audited Financial Statements for each such period shall be furnished to the Association not later than six (6) months after the end of such period.
Section III. **Procurement**

A. **General**

1. **Goods, Works and Non-consulting Services.** All goods, works and non-consulting services required for the Project and to be financed out of the proceeds of the Credit shall be procured in accordance with the requirements set forth or referred to in Section I of the Procurement Guidelines, and with the provisions of this Section.

2. **Consultants’ Services.** All consultants’ services required for the Project and to be financed out of the proceeds of the Credit shall be procured in accordance with the requirements set forth or referred to in Sections I and IV of the Consultant Guidelines, and with the provisions of this Section.

3. **Definitions.** The capitalized terms used below in this Section to describe particular procurement methods or methods of review by the Association of particular contracts, refer to the corresponding method described in Sections II and III of the Procurement Guidelines, or Sections II, III, IV and V of the Consultant Guidelines, as the case may be.

B. **Particular Methods of Procurement of Goods, Works and Non-consulting Services**

1. **International Competitive Bidding.** Except as otherwise provided in paragraph 2 below, goods, works and non-consulting services shall be procured under contracts awarded on the basis of International Competitive Bidding.

2. **Other Methods of Procurement of Goods, Works and Non-consulting Services.** The following methods, other than International Competitive Bidding, may be used for procurement of goods, works and non-consulting services for those contracts specified in the Procurement Plan: (i) Limited International Bidding; (ii) National Competitive Bidding, subject to the additional provisions and modifications set forth in the Annex to this Schedule 2; and (iii) Shopping.

C. **Particular Methods of Procurement of Consultants’ Services**

1. **Quality- and Cost-based Selection.** Except as otherwise provided in paragraph 2 below, consultants’ services shall be procured under contracts awarded on the basis of Quality and Cost-based Selection.
2. **Other Methods of Procurement of Consultants' Services.** The following methods, other than Quality- and Cost-based Selection, may be used for procurement of consultants' services for those contracts which are specified in the Procurement Plan: (i) Quality-based Selection; (ii) Selection under a Fixed Budget; (iii) Least Cost Selection; (iv) Selection based on Consultants' Qualifications; (v) Single-source Selection of consulting firms; (vi) Procedures set forth in paragraphs 5.3 and 5.3 of the Consultant Guidelines for the Selection of Individual Consultants; and (vii) Single-source procedures for the Selection of Individual Consultants.

D. **Review by the Association of Procurement Decisions**

The Procurement Plan shall set forth those contracts which shall be subject to the Association’s Prior Review. All other contracts shall be subject to Post Review by the Association.

Section IV. **Withdrawal of the Proceeds of the Credit**

A. **General**

1. The Recipient may withdraw the proceeds of the Credit in accordance with the provisions of Article II of the General Conditions, this Section, and such additional instructions as the Association shall specify by notice to the Recipient (including the “World Bank Disbursement Guidelines for Projects” dated May 2006, as revised from time to time by the Association and as made applicable to this Agreement pursuant to such instructions), to finance Eligible Expenditures as set forth in the table in paragraph 2 below.

2. The following table specifies the Categories of Eligible Expenditures that may be financed out of the proceeds of the Credit, the allocations of the amounts of the Credit to each Category, and the percentage of expenditures to be financed for Eligible Expenditures in each Category:
<table>
<thead>
<tr>
<th>Category</th>
<th>Amount of the Credit Allocated (expressed in SDR)</th>
<th>Percentage of Expenditures to be Financed (inclusive of Taxes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Works under Parts B.1, C.2.1. (v) and C.3 (iii) of the Project</td>
<td>1,420,000</td>
<td>100%</td>
</tr>
<tr>
<td>(2) Goods, consultants' services, non-consulting services, training, study tours, workshops and Operational Costs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(a) under Parts A.1.1, A.2.1, A.2.3, A.2.4, A.2.5, A.2.6, B.1, B.2, B.3, B.4, C.1.2 (i), C.2.1, C.3 and D (ii) the Project</td>
<td>24,890,000</td>
<td>100%</td>
</tr>
<tr>
<td>(b) under Parts A.1.2, A.2.2, A.2.7, B.5, C.2.2 and D (i) of the Project</td>
<td>910,000</td>
<td>33.33%</td>
</tr>
<tr>
<td>(3) Small Grants under Part B.4 of the Project and Grants under Part C.1.2 of the Project</td>
<td>9,800,000</td>
<td>100% of the research costs covered by the Small Grant or Grant</td>
</tr>
<tr>
<td>(4) Grants under Part C.1. of the Project</td>
<td>1,680,000</td>
<td>33.33% of the research costs covered by the Grant</td>
</tr>
<tr>
<td><strong>TOTAL AMOUNT</strong></td>
<td>38,700,000</td>
<td></td>
</tr>
</tbody>
</table>

3. For the purposes of this Section, the term “training” means expenditures incurred by CORAF and the PCU to finance the cost under the Project of training fees, training materials, travel, accommodations, per diem, and insurance.
B. **Withdrawal Condition: Withdrawal Period**

1. Notwithstanding the provisions of Part A of this Section, no withdrawal shall be made under Categories (2)(b) and (4), until and unless the Senegal Financing Agreement has been executed and delivered and all conditions precedent to its effectiveness have been fulfilled.

2. The Closing Date is December 31, 2017.
ANNEX
TO
SCHEDULE 2

For the purposes of following National Competitive Bidding ("NCB") procedures in the procurement of goods, works and non-consulting services to be financed under the Credit, the following modifications and additions shall apply:

(a) foreign bidders shall be allowed to participate in National Competitive Bidding procedures;

(b) bidders shall be given at least one (1) month to submit bids from the date of the invitation to bid or the date of availability of bidding documents, whichever is later;

(c) no domestic preference shall be given for domestic bidders and for domestically manufactured goods; and

(d) in accordance with paragraph 1.16(e) of the Procurement Guidelines, each bidding document and contract financed out of the proceeds of the Credit shall provide that: (i) the bidders, suppliers, contractors and subcontractors shall permit the Association, at its request, to inspect their accounts and records relating to the bid submission and performance of the contract, and to have said accounts and records audited by auditors appointed by the Association; and (ii) the deliberate and material violation by the bidder, supplier, contractor or subcontractor of such provision may amount to an obstructive practice as defined in paragraph 1.16(a)(v) of the Procurement Guidelines.
### SCHEDULE 3

**Repayment Schedule**

<table>
<thead>
<tr>
<th>Date Payment Due</th>
<th>Principal Amount of the Credit repayable (expressed as a percentage)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>On each February 15 and August 15:</td>
<td></td>
</tr>
<tr>
<td>commencing on August 15, 2022, to and including February 15, 2032, and</td>
<td>1%</td>
</tr>
<tr>
<td>commencing on August 15, 2032 to and including February 15, 2052</td>
<td>2%</td>
</tr>
</tbody>
</table>

* The percentages represent the percentage of the principal amount of the Credit to be repaid, except as the Association may otherwise specify pursuant to Section 3.03 (b) of the General Conditions.
APPENDIX

Definitions

1. "Annual Work Plan and Budget" and "AWP&B" mean the annual work plan and budget to be prepared or an annual basis by the PCU (as hereinafter defined) and CORAF for the Project.


3. "Beneficiary" means: (i) a physical or legal person qualified to receive a Grant (as hereinafter defined) under the CORAF’s Manual of Procedures for Management of Competitive Funds (as hereinafter defined) or the CARGS Manual of Procedures (as hereinafter defined), as the case may be; and (ii) a researcher which, according to the Project Implementation Manual (as hereinafter defined), qualifies as a Project beneficiary under Part B.4 of the Project; and "Beneficiaries" means more than one Beneficiary.

4. "CAADP" the Comprehensive Africa Agriculture Development Programme, the agricultural programme of the New Partnership for Africa’s Development (NEPAD), which has the overall goal of eliminating hunger and reducing poverty through agriculture, and which brings together diverse key players - at the continental, regional and national levels - to improve co-ordination, to share knowledge, successes and failures, to encourage one another, and to promote joint and separate efforts to achieve CAADP goals.

5. "CARGS" means the existing Competitive Agricultural Research Grants Scheme, a sub-regional and national financing mechanism aimed at financing competitive grants in the agriculture sector.

6. "Cartagena Protocol on Biosafety" means the document adopted in Montreal, Canada, on January 29, 2000 as a Protocol to the 1992 Nairobi Convention on Biological Diversity, the objective of which is to contribute to ensuring an adequate level of protection in the field of the safe transfer, handling and use of genetically modified organisms resulting from modern biotechnologies that may have adverse effects on the conservation and sustainable use of biological diversity, taking also into account risks to human health, and specifically focusing on transboundary movements.

7. "Category" means a category set forth in the table in Section IV of Schedule 2 to this Agreement.
8. “CARGS Manual of Procedures” means the revised manual adopted by the CSIR (as hereinafter defined) in October 2010 and setting forth the procedures for and the terms and conditions for the national competitive grant scheme to be financed under Part C.1.2 of the Project, as the same may be amended from time to time in a manner satisfactory to the Association.

9. “CGIAR” means the Consultative Group on International Agriculture Research, a global partnership that unites organizations engaged in research for sustainable development with the funders of this work.

10. “CSIR” means the Recipient’s Council for Scientific and Industrial Research operating under the Recipient’s “Council for Scientific and Industrial Research Act” 1996 (Act 521) responsible for pursuing the implementation of the Recipient’s policies on scientific research and development, coordinating all aspects of scientific research in the country, and ensuring the coordination and cooperation with its research institutes (such as the CSIR-CRI, the CSIR-FRI, the CSIR-PCRI, the CSIR-SARI and the CSIR-SRI (as hereinafter defined)) and other organizations engaged in research in the country.

11. “CSIR-CRI” means the Crops Research Institute, one of the thirteen (13) affiliate research institutes of the CSIR, which has been designated as the NCoS (as hereinafter defined) for root and tuber crops in the Recipient’s territory.

12. “CSIR-FRI” means the Food Research Institute, one of the thirteen (13) affiliate research institutes of the CSIR, mandated to research into food processing, preservation and utilization as well as storage, marketing, food safety and quality assurance.

13. “CSIR-PCRI” means the Plants Genetic Research Institute, one of the thirteen (13) affiliate research institutes of the CSIR, mandated to collect, conserve and preserve the plant genetic resources of the Recipient.

14. “CSIR-SARI” means the Savanna Agricultural Research Institute, one of the thirteen (13) affiliate research institutes of the CSIR, mandated to conduct agricultural research in the Recipient’s northern territory with the aim of developing and introducing improved technology that will enhance overall farm level productivity for improved livelihoods.

15. “CSIR-SRI” means the Soil Research Institute, one of the thirteen (13) affiliate research institutes of the CSIR, mandated to generate scientific information on planning, development and management of the Recipient’s soil resources for improved and sustainable agriculture and the environment.

17. "CORAF" means the West and Central African Council for Agricultural Research and Development, a regional organization aimed to strengthen national agricultural research system and to promote agricultural productivity and competitiveness.

18. "CORAF's Legislation" means collectively the Registration Act (enregistrement) of the Republic of Senegal MAE No. 0892 MAESE dated December 20, 1987, CORAF's Statutes dated June 2008, and CORAF's Governance Manual dated June 20, 2008, pursuant to which CORAF has been established and functioning.

19. "CORAF's Manual of Procedures" means the Manual of Procedures for Management of Competitive Funds adopted by CORAF in December 2008 and revised in July 2010, as the same may be amended from time to time in a manner satisfactory to the Association.


21. "Environmental and Social Impact Assessment" or "ESIA" means a site-specific report, to be prepared in accordance with the parameters laid down in the ESMF (as hereinafter defined) and acceptable to the Association, identifying and assessing the potential environmental and social impacts of the activities to be undertaken under the Project, evaluating alternatives, and designing appropriate mitigation, management, and monitoring measures.

22. "Environmental and Social Management Framework" and "ESMF" means the Recipient's framework dated February 1, 2012, which: (i) sets forth standards, methods and procedures specifying how technological research activities under the Project which location, number and scale are presently unknown shall systematically address environmental and social issues in the screening and categorization, siting, design, implementation and monitoring phases during Project implementation; (ii) systematizes the environmental and social impact assessment required for such activities before Project execution; and (iii) stipulates the procedures for conducting site-specific environmental impact assessments, be they limited environmental impact assessments or full environmental impact assessments.

23. "Environmental and Social Management Plan" or "ESMP" means a site-specific environmental and social management plan to be prepared in accordance with the parameters laid down in the ESMF and acceptable to the Association, setting
forth a set of mitigation, monitoring, and institutional measures to be taken during the implementation and operation of the Project activities to eliminate adverse environmental and social impacts, offset them, or reduce them to acceptable levels, and including the actions needed to implement these measures.

24. "Fiscal Year" means the twelve (12) month period corresponding to any of the Recipient's or CORAF's fiscal years, which period commences on January 1 and ends on December 31 in each calendar year.


26. "Grant" means a grant made or proposed to be made by CORAF or the CSIR, as the case may be, to a Beneficiary under, respectively, Parts C.1.1 or C.1.2 of the Project.

27. "Grant Agreement" means the agreement between CORAF or the CSIR, as the case may be, and a Beneficiary for the purposes of providing a Grant under, respectively, Parts C.1.1 or C.1.2 of the Project.


29. "METASIP" means the Recipient's Medium Term Agriculture Sector Investment Plan 2011-2015 setting forth the Recipient's blueprint for agricultural modernization in accordance with the ECOWAP and the CAADP.

30. "MoFA" means the Recipient's Ministry of Food and Agriculture.

31. "National Coordination Unit" or "NCU" means the Project Coordination Unit (as hereinafter defined).


33. "National Monitoring and Evaluation Indicators" means the agreed monitoring and evaluation indicators set forth in the Project Implementation Manual (as hereinafter defined) to be utilized by the Recipient to measure the progress in the implementation of Parts A.1.1, A.2.1, A.2.3, A.2.4, A.2.5, A.2.6, B.1, B.2, B.3, B.4, C.1.2, C.2.1, C.3 and D (ii) of the Project and the degree to which the objective thereof is being achieved.
34. "National Seed Council" means the Recipient's seed regulatory council established and operating under Part II of the Recipient's "Plant and Fertilizer Act", 2010 (Act 803).

35. "National Steering Committee" means the committee established by the Recipient within MoFA pursuant to the provisions of the Financing Agreement between the Recipient and the Association (West Africa Agricultural Productivity Program (WAAPP) Support Project) dated June 21, 2007, for Credit No. 4286-GH.

36. "NCoS" means a national center of specialization, an entity responsible for conducting research on a specific commodity, the results of which can be adapted by another ECOWAS member.

37. "Operational Costs" means expenditures incurred to finance the cost under the Project of: (i) salaries of the staff of CORAF and the PCU (as hereinafter defined) (excluding civil servants) and state contributions thereon; (ii) per diem and travel expenses of personnel to perform responsibilities under the Project; (iii) fuel and vehicle maintenance and insurance; (iv) communication technology (including, without limitation, internet and telephone); (v) building security and maintenance; (vi) translation services, photocopies and publications; (vii) bank commissions; and (viii) utilities and office supplies.

38. "Participating Countries" means collectively the Recipient and Senegal, and "Participating Country" means individually each and any of the Participating Countries.

39. "Pest Management Plan" and "PMP" means the Recipient's plan dated February 1, 2012, which: (i) addresses the concerns relating to the Project risks associated with potential increases in the use of pesticides for agricultural production, intensification and diversification and controlling disease vector populations arising from irrigation schemes; (ii) sets forth mitigation and monitoring measures to be taken during Project implementation and operation to eliminate adverse environmental and social impacts, offset them, or reduce them to acceptable levels; (iii) recommends institutional measures to strengthen national capacities to implement the mitigation and monitoring measures; and (iv) as part of the implementation arrangements, identifies national agencies and other partners that could play a vital role in the success of the Project.


41. "PPRSD" means the Plant Protection and Regulatory Services Directorate within MoFA.

43. “Procurement Plan” means the Recipient’s procurement plan for the Project, dated January 25, 2012, and referred to in paragraph 1.18 of the Procurement Guidelines and paragraph 1.25 of the Consultant Guidelines, as the same shall be updated from time to time in accordance with the provisions of said paragraphs.

44. “Project Coordination Unit” and “PCU” means the unit established by the Recipient within MoFA pursuant to the provisions of the Financing Agreement between the Recipient and the Association (West Africa Agricultural Productivity Program (WAAPP) Support Project) dated June 21, 2007, for Credit No. 4286-GH.

45. “Project Coordinator” means the person appointed by the Recipient as the Coordinator of the PCU.

46. “Project Implementation Manual” means the manual adopted by the Recipient through the PCU on February 6, 2012, for the purposes of defining the detailed implementation arrangements for the Project, and setting forth, *inter alia*: (i) the detailed Project staffing plan for each stakeholder; (ii) the Project monitoring and evaluation modalities; and (iii) the terms, procedures and conditions for the initial management and operation of the national CARGS, as the same may be amended from time to time with the prior written agreement of the Association.

47. “Research Proposal” means the signed research agreement between the CSIR and a Beneficiary for the purposes of providing a Small Grant under Part B.4 of the Project.

48. “Regional Center of Excellence” and “RCoE” means a regional center of excellence which fulfills the following criteria to the satisfaction of the Association: (i) quality of research teams; (ii) ISO label certification of relevance of the programs implemented by the RCoE vis-à-vis regional priorities and needs; (iii) regional research program planning and networking; (iv) efficiency of information and communication strategy of agricultural research results; (iv) contribution to significant capacity building of the national agricultural research and advisory system through partnership with the CGIAR and the African Research Institute in West Africa; and (vi) quantity and quality of “ready-to-go” agricultural innovations efficiently generated and delivered.

49. “Resettlement” means: (i) the involuntary (i.e., an action that may be taken without a person’s informed consent or power of choice) taking of land, including anything growing on or permanently affixed to such land, such as buildings and crops, resulting in: (A) relocation or loss of shelter; (B) loss of...
assets or access to assets or (C) loss of income sources or means of livelihood, whether or not the affected persons must move to another location; or (ii) the involuntary restriction of access to legally designated parks and protected areas resulting in adverse impacts on the livelihoods of the affected persons, and encompassing restrictions on the use of resources imposed on people living outside a park or protected area, or on those who continue living inside the park or protected area during and after Project implementation.

50. "Resettlement Action Plan" or "RAP" means a site-specific resettlement action plan to be prepared in accordance with the parameters laid down in the RPF (as hereinafter defined), acceptable to the Association, to be developed for each Project site which involves Resettlement, and covering the following: (i) a baseline census and socioeconomic survey information; specific compensation rates and standards; policy entitlements related to any additional impacts identified through the census or survey; description of Resettlement sites and programs for improvement or restoration of livelihoods and standards of living; an implementation schedule for Resettlement activities; and detailed cost estimate; (ii) measures designed to ensure that the displaced persons: (A) are informed about their options and rights pertaining to Resettlement, consulted on, offered choices among, and provided with technically and economically feasible Resettlement alternatives and (B) provided prompt and effective compensation at full replacement cost or losses of assets attributable directly to the Project; (iii) if the impacts include physical relocation, that the displaced persons are: (A) provided assistance (such as moving allowances) during relocation; (B) provided with residential housing, or housing sites, or, as required, agricultural sites for which a combination of productive potential, locational advantages, and other factors is at least equivalent to the advantages of the old site; and (C) offered support after displacement, for a transition period, based on a reasonable estimate of the time likely to be needed to restore their livelihood and standards of living; (iv) affordable and accessible grievance procedures, taking into account the availability of judicial recourse and community and traditional dispute settlement mechanisms; and (v) provision of development assistance in addition to compensation measures, such as land preparation, credit facilities, training, or job opportunities.

51. "Resettlement Policy Framework" or "RPF" means the resettlement policy framework adopted by the Recipient on February 1, 2012, setting forth, inter alia, a brief description of the Project and components for which land acquisition and Resettlement are required, the principles and objectives governing Resettlement preparation and implementation, and a description of the process for preparing and approving site-specific Resettlement Action Plans.

52. "Senegal Financing Agreement" means the financing agreement for activities related to the Project to be entered into between Senegal and the Association, as such financing agreement may be amended from time to time, and includes all
appendices, schedules and agreements supplemental to the Senegal Financing Agreement.

53. “Small Grant” means a grant made or proposed to be made by the CSIR to a Beneficiary under Part B 4 of the Project.

54. “Subsidiary Grant Agreement” means the agreement pursuant to which the Recipient shall make a portion of the proceeds of the Credit available to CORAF.