



**IRFFI/UNDG IRAQ TRUST FUND (UNDG ITF)**  
**ANNUAL PROGRAMME NARRATIVE PROGRESS REPORT**  
**REPORTING PERIOD: 1 JANUARY – 31 DECEMBER 2010**

***Submitted by:***

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***Country and Thematic Area:***

Agriculture and Food Security

***Programme No:*** A5-25

***Programme Title:*** Rehabilitation and Development of the National Vegetable Seed Industry in Iraq

***Participating Organization(s):***

FAO – Food and Agriculture Organization of the United Nations

***Implementing Partners:***

- Ministry of Agriculture (MoA)

**Programme Budget (from the Fund): US\$2,828,263**

**Programme Duration (in months):24 months**

- *Start date:* 15/10/2008
- *Original end date:* 15/10/2010
- *Revised end date:*10/04/2011

**Budget Revisions/Extensions:**

*1<sup>st</sup> Extension:* 10 Apr 2011

## I. Purpose

### Main Outcomes:

- Rehabilitated damaged infrastructure in the vegetable seed sector.
- Enhanced technical capacity in vegetable seed research and production.
- Supported Private sector in the vegetable seed industry

### Main Objectives:

- Improve food security and nutrition for the Iraqi people.
- Increased domestic production of vegetable crops.
- Rehabilitation of damaged infrastructure in the vegetable seed sector.
- Enhance technical capacity in vegetable seed research and seed production and provision of support to the private sector in vegetable seed industry.

### Expected outputs

- Greenhouses for varietal improvement and seed production procured and installed.
- Equipment for seed production, processing and quality control procured and installed.
- Vegetable crops improvement programme rehabilitated.
- Model production farm, processing plant and quality control laboratories for vegetable seed established.
- Modules for vegetable seed sector study tour, overseas and in-country training developed and implemented.
- GOI assisted in the implementation of seed policy and regulatory framework.
- Skills and knowledge constraints of the workers at the sectoral level overcome.
- Vegetable seed production added value created.
- Module of business development designed for capacity building.

FAO ensures that project activities are integrated into the overall UN Assistance Strategy for Iraq. Project activities support to the Millennium Development Goals. This project was designed to achieve the following:

- Enhanced and sustainable long-term food production and natural resource management;
- rehabilitated and reconstructed infrastructure;
- strengthened institutional capacity;
- formulated legislation, policy and strategy;
- increased employment and income-generation;
- enhanced environmental restoration and conservation.

### The Millennium Development Goals (MDGs)

MDGs main goals of focus in this project are:

- Goal 1 “Eradicate extreme poverty and hunger.” Goal 1 will be achieved through the increase of domestic food production, job creation and promotion of income-generating activities.

- Goal 3 “Promote gender equality and empower women.” Goal 3 will be achieved through the participation of women in the project activities.

The project will also indirectly contribute to the following MDGs:

- Goal 2 “Achieve Universal Primary Education;”
- Goal 4 “Reduce Child Mortality;”
- Goal 5 “Improve maternal health;” and
- Goal 7 “Ensure environmental sustainability through capacity building/training interventions and the improved food security situation.”

## **II. Resources**

### Financial Resources

*Other funding resources available to the project:* US\$ 0.3 million in kind contribution by the MoA.

### Human Resource

#### *National Staff:*

One National Programme Coordinator (NPC) based in Iraq. Role includes: support of programme coordination, formulation of work plan, and assistance in the implementation of program activities.

One Project Coordinator based in Baghdad. Role includes: Assist International Project Manager in the implementation of activities of grass-roots projects with implementing partners.

#### *International Staff:*

One International Project Manager (Chief Technical Adviser) based in Amman, Jordan. Role includes: the overall project management.

## **III. Implementation and Monitoring Arrangements**

### Partnerships

FAO works very closely with the Ministry of Agriculture (MoA) in Iraq in the implementation of activities. The main partners within the MoA are the State Company for Horticulture and Forestry (SCHF) for implementation of major activities and the State Board for Seed Testing and Certifications (SBSTC) for seed quality control aspects.

### Remote-control management

Due to the prevailing poor security situation at present in Iraq, management by international staff is done from FAO-Iraq offices in Amman Jordan. Management decisions are influenced by periodic progress reports from the field. The Chief Technical Adviser stationed in Amman continues to be in constant communication with the National Project Coordinator (NPC) in Iraq via telephone, e-mail and video conferencing. The NPC travels frequently to Amman when necessary to discuss programme planning, monitoring, technical specifications and bids evaluation review on procurement issues. The Project

Steering Committee located in Amman, provides guidance on the implementation of activities and recommend alternative course of actions when required.

Within the FAO system, the Special Emergency Programmes Service (TCES) of the Operations Division is responsible for operation of the project at the field level and works together with the Technical Division (AGPS) which is the Lead Technical Unit for technical-backstopping and the Procurement Division (AFSP) for procurement of equipment.

*The procurement procedures utilized .*

FAO standard procurement procedures apply without variance. In August 2004, FAO, in a written agreement with its key counterpart ministries, opted for strong involvement of the ministries in the procurement process. This involvement includes the following elements and which is being applied to date:

- identification of inputs or services required undertaken jointly by FAO/Iraqi Line Ministry;
- preparation of detailed specifications, bill of quantities, drawings, delivery time and destination undertaken by FAO and the Iraqi Line Ministry and endorsed by the latter;
- list of local potential suppliers provided by the Iraqi Line Ministry to be included by FAO in its invitations to bid;
- tenders launched by FAO inviting local and international potential suppliers;
- technical review of the offers received and preparation of recommendations carried out jointly by FAO/Iraqi Line Ministry and endorsed by the latter; and
- Purchase Orders or Contracts issued by FAO.

No variance in standard procurement has been required.

*The monitoring system:*

Physical monitoring visits to the programme implementation sites by the international staff stationed in Amman are not possible due to the prevailing poor security situation. Constant communication occurs between Amman and Baghdad (the NPC and Iraqi MoA) on activities implementation status, progress and constraints. Periodic reports prepared by the field and dissemination of relevant information are the key monitoring tools. Decisions are taken as quickly as possible for any needed alternative actions.

As the monitoring system put in place, a monthly progress report from the NPC in the field is received by the CTA who in turn prepares a quarterly monitoring report consisting of parameters, such as project activities as outlined in the work plan, projected dates for the completion of the outlined activities and current status of each project activities both in terms of time and status of work. The CTA then submits the reports to the OiC of FAO-Iraq Programme for necessary action and on-forwarding to the Operations Division at headquarters.

Periodically the Technical Division is apprised of the progress of the work activities in relation to the agreed upon work plan. The Technical Division would advise through available communication channels and makes backstopping field visits.

## IV. Results

The following are the major outputs achieved during the reporting period which have contributed to the targeted outcome:

- Conduct of baseline data and needs assessment has been undertaken which has presented the existing situation in the targeted areas of vegetable production, vegetable seed supply, the quality vegetable seed needs of farmers, and verified the needs for seed sector equipment and training.
- Procurement of office automation equipment (e.g. desktop computer, laptop computer, printer, scanners, etc) has been undertaken. Use of these equipments by the staff of the MoA has further strengthened partner organization's capacity for efficient effective collaboration in activities implementation. Provision of farm equipment in different stations has improved the vegetable seed production capacity of the SCHF. Upon completion of delivery of seed testing equipment, the SCHF will be in a better position to monitor the seed quality of seeds.
- Study tour in the vegetable seed sector undertaken by Iraqi Officials provided them opportunity to have the first hand information on status of technology available outside the country.
- Training of trainers (ToT) programme organized internationally in excellent research and training centres abroad has benefited 25 Iraqi technical personnel who were imparted state of art techniques and skills in the field of vegetable seed technology.
- These trained personnel under the ToT programme abroad, organized national training courses on seed technology in Iraq in which 150 Iraqi technical personnel benefitted with new skills imparted to them on vegetable seed technology including entrepreneurship development.
- Installation of climate control greenhouses to facilitate crops improvement programme is underway.
- Procurement of Seed processing plants is underway.

Key outputs achieved in reporting period are as follows:

### Study Tour and Training Programme:

A two-day National Vegetable Seed Workshop attended by senior Officials of the Iraqi Ministry of Agriculture, Iraqi private seed sector, FAO, international collaborators, namely Organization for Economic Cooperation and Development (OECD), Seed Scheme/USDA and Group of French National Professionals in Seed and Plants (GNIS) was organized. The Workshop reviewed pertinent seed issues related to the need of Iraq to meet the UN Millennium Development Goal (MDG) on food security and programme to mitigate the negative effects of *Climate Change* and recommended to put in place medium to long-term strategies further consolidating the gains made by the seed project

Three senior officials of the Iraqi MoA including the National Project Coordinator and two seed experts undertook a two-week vegetable seed sector tour to the Netherlands and Italy to have first hand information on various aspects of the vegetable seed programme (including crop improvement, varietal maintenance, seed multiplication, seed processing, quality control, marketing, etc). They visited research

institutes and centres for vegetable crops improvement, vegetable seed processing and packaging plants, seed marketing facilities in both the public and private sectors and informed themselves with the latest techniques developed on vegetable seed technology. . Achievement 100% of planned.

Five national training courses on the following vegetable seed technology participated by Iraqi technical personnel both from public and private sector were organized. The resource persons of the national training course were those experts who had undergone Training of trainers (ToT) courses abroad:

- National training course on vegetable crops varietal development and evaluation – 30 participants;,,
- National training course on vegetable seed quality control – 30 participants;,,
- National training course on vegetable seed production and marketing – 30 participants;,,
- National training course on vegetable seed entrepreneurship development – 30 participants;,,
- National training course on vegetable seed database management – 30 participants;,,
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The training targeted technology transfer in the major vegetable crops of Iraq (e.g. tomato, eggplant, cucumber, okra and muskmelon). Achievement 100% of planned.

#### Procurement:

Procurement of vegetable seed production farm equipment (numbering 17 items) completed and delivered to stations of the State Company for Horticulture and Forestry (SCHF) of the MoA. The equipment are being used in the farm. Achievement 100% of planned.

Purchase order issued for the procurement of seed testing equipment to use in the vegetable seed testing laboratories of the SCHF for both routine and seed pathology tests. The delivery of the equipment is (total items numbering 44) to the field is underway. The total number of these items is 44. Achievement 100% of planned.

Purchased order issued for the supply of climate-controlled greenhouses (total quantity 15) to be used by SCHF, Ministry of Agriculture for vegetable crops varietal crops screening and evaluation. The installation of the facilities is underway. Achievement 90% of planned.

The technical specifications of the vegetable seed processing plants were revised upon receipt of offers against the tender floated first time. The offers were few in numbers and all the equipment required for the seed processing system were not quoted. Therefore reviewing again the Iraqi needs vis-à-vis the equipment available in the market, the technical specifications were revisited and prepared for re-tendering. Achievement 75% of planned.

*Delays in programme implementation, the nature of the constraints, actions taken to mitigate future delays and lessons learned in the process.*

Inadequate number of responses from the potential suppliers against the tender call for vegetable seed processing plants has caused delay in purchase of the various equipment required for the plants. Provision of training on equipment assembly, operation and maintenance by the suppliers has not been easy due to the prevailing situation. Thus alternatively training in the manufacturer's facilities has been

put in place. The specifications have been revised further analyzing the needs of Iraq for vegetable seed sector and also the equipment available in international market.

*The key partnerships and collaborations.*

#### Ministry of Agriculture

The project is designed by FAO and implemented by the Iraqi Ministry of Agriculture. Generally there is a high level of collaboration extended from the counterpart Ministry taking into account the security situation prevalent in Iraq. FAO provides technical support to the main development agencies of the Iraqi MoA namely State Company for Horticulture and Forestry (SCHF) and the State Board for Seed Testing and Certification (SBSTC). The SCHF has the mandate to improve vegetable crops and seed supply, whereas SBSTC is the national seed certification agency for Iraq. A close working collaboration with these two agencies would ensure the achievement of project objectives with regards to variety maintenance, seed production, processing, quality control, human capacity development and sustainability of the project.

#### Private Sector

Individuals from the private sector are included in training programmes like skills enhancement and entrepreneurship development to provide further impetus for the involvement of the private sector in the vegetable seed production and marketing. The national training course on vegetable seed entrepreneurship development was tailor-made to meet the needs of seed producers and traders to impart know-how and skill in seed business. Iraq's National Seed Policy strongly supports the growth of a national seed sector where the private sector will play a major role in marketing. The government will facilitate the process through enactment of appropriate seed law to provide an enabling environment.

During the implementation of activities, the Universities, civil societies, NGOs, private sector (producer and sellers) were invited to participate in the project activities. This practice of collaboration with stakeholders in the seed industry will continue for the next reporting period of the project. .

*Other highlights and cross-cutting issues pertinent to the results.*

In the short-term the project beneficiary will be the Government institution and its staff. In the longer term through skills development and technology transfer where gender balance will be maintained amongst the beneficiaries, the private sector will be involved in seed production and marketing with a bigger role and there will be associated employment opportunities.

#### **V. Future Work Plan (if applicable)**

For the remaining period up to the project end date of 10 April 2011, the following activities are planned:

- Delivery of vegetable seed testing equipment;
- Installation of equipment of the climate-controlled greenhouses;
- Procurement process for pilot vegetable seed processing plant;
- Provide technical assistance to SCHF in vegetable crops improvement, seed multiplication and quality control programme.

## VI. Performance Indicators (Please see Annex I)

	Performance Indicators	Indicator Baselines	Planned Indicator Targets	Achieved Indicator Targets	Means of Verification	Comments (if any)
IP Outcome 1						
IP Output 1.1 Construction of greenhouses for varietal improvement and seed production	Indicator 1.1 Foundation seed production;	No vegetable seed production programme	5 kg of seeds	On-going activity	On-going activity	The activity is on-going.
IP Output 1.2 Equipment for seed production, processing and quality control procured and installed	Indicator 1.2 Quantity of seed produced and tested	No vegetable seed produced and tested	2 metric tonnes	On-going activity	On-going activity	The activity is on-going.
IP Output 1.3 Buildings for seed processing plant and seed testing laboratories constructed/rehabilitated	Indicator 1.3 Number of buildings rehabilitated/constructed	Buildings needing rehabilitation (1 – seed processing plant, 2 – seed testing lab)	3 buildings	On-going activity	On-going activity	Rehabilitation of physical infrastructures by MoA is underway
IP Outcome 2						
IP Output 2.1 Vegetable crops improvement programme rehabilitated	Indicator 2.1 Improved varieties of major vegetable crops	No improved varieties available through national research system	6 varieties of major vegetable crops	On-going activity	On-going activity	Seed collection of local vegetables undertaken.
IP Output 2.2 Model production farm, processing plant and quality control laboratories for vegetable seed established	Indicators 2.2 Functional farms, seed proceeding plant and laboratories	Farm land available, but no research and production	Seed Farm – 1; Vegetable seed processing plant	Office automation equipment, seed production	Delivery records.	Farm equipment delivered. Quality control

		activities; no functional seed processing plant, absence of vegetable seed testing laboratory	- 1; Vegetable seeds internal quality control labs - 2	farm equipment procured, purchase of other equipment under progress		equipment delivery under progress.
IP Output 2.3 Vegetable seed quality control standards established	Indicator 2.3 Field and seeds standards	No field and seed standard defined for vegetable crops	Field and seeds standards for 10 vegetables	On-going activity	On-going activity	The activity is on-going.
IP Output 2.4 Modules for vegetable seed sector study tour, overseas and in-country training developed and implemented	Indicator 2.4 Study tour and training	There has been no study tour and training programme conducted in the vegetable seed sector	Participants of study tour (one study tour 3 participants), external training (3 courses – 25 trained in Trainers of Training, ToT programme and the number of trained people in internal training (5 courses – 150 persons)	Study tour, overseas training and national training completed	Tour report by participants. Training report by host institutions.	Completed
IP Outcome 3						
IP Output 3.1 GOI assisted in the implementation of seed policy and regulatory framework (at Macro Level)	Indicator 3.1 Seed Law	National seed law promulgated by Government; Seed Law drafted	Seed Law promulgated	Draft Seed Law submitted to the Government	MoA communication.	The Government taking necessary action on seed law enactment.
IP Output 3.2	Indicator 3.2	No trained workers in vegetable seed sector	Trained workers in vegetable seed	trained 30	MoA report	Completed

Skill and knowledge constraints of the workers at the sectoral level overcome (at Meso Level)*	Trained workers		production, processing and packaging - 25			
IP Output 3.3 Vegetable seed product added value created (at Micro Level)	Indicator 3.3 Vegetable seed	No vegetable seed multiplication programme at present	Vegetable seed produced and packaged – 2 MT	On-going activity	On-going activity	The activity is on-going.
IP Output 3.4 Module of business development designed for capacity building (at Micro Level)	Training	No training programme	3 Training sessions -	Trained 30	MoA report	Completed

## VII. Abbreviations and Acronyms

*List the main abbreviations and acronyms that are used in the report.*

AFSP	Procurement Services, FAO
AGPS	Seed and Plant Genetic Resources Service, FAO
CTA	Chief Technical Adviser
FAO	Food and Agriculture Organization of the United Nations
ICI	International Compact with Iraq
MDG	Millennium Development Goals
MoA	Ministry of Agriculture
NDS	National Development Strategy
NPC	National Project Coordinator
SBSTC	State Board for Seed Testing and Certification
SCHF	State Company for Horticulture and Forestry
TCES	Special Emergency Programmes Services, FAO
ToR	Terms of Reference
ToT	Training of Train