



Liaison and Partnership Office of the Food and Agriculture Organization of the United Nations in the Republic of Kazakhstan
Technical Specification

Title:	<i>Procurement of 1 (one) unit of no till drill (seeder)</i>
Project number and name:	<i>GCP /SEC/293/GFF, Integrated natural resources management in drought-prone and salt-affected agricultural production landscapes in Central Asia and Turkey ('CACILM2')</i>
Delivery:	<i>No later than 30 calendar days from the date of signing the contract to the address: Republic of Kazakhstan, Kostanay city</i>

Introduction:

Regional project FAO-GEF "Integrated natural resources management in drought-prone and salt-affected agricultural production landscapes in Central Asia and Turkey (CACILM2)" aims to promote integrated natural resource management practices in agriculture in countries with drought-prone and saline landscapes. This goal will be achieved through the introduction of sustainable management techniques that exert minimal pressure on natural resources and do not cause damage to them. In Kazakhstan, the project territories cover arid and saline lands in Almaty, Akmola, Zhambyl, Kostanay, Karaganda, Kyzylorda, Pavlodar and Turkestan regions. In order to introduce resource-saving technologies in agriculture, the project document provides for the purchase of a seeder for direct sowing.

Purchase purpose:

The use of no till drills makes it possible to speed up, automate and improve the sowing process as much as possible without compromising the quality. The seeder is necessary for carrying out field work and the production of sowing grain crops with simultaneous fertilization.

Content:

The following conditions are required within the ToR.

Nº	Goods/Services	Timelines	Terms of payment
1	1 (one) unit of no till drill (seeder)	30 calendar days from the moment of signing the Contract	20% advance payment after signing the Contract, and 80% upon delivery of goods, on the basis of closing documents (invoice, invoice for goods), Or 100% upon delivery of goods, on the basis of closing documents (invoice, invoice for goods) signed by FAO

Prerequisites

- All products must be new, in their original packaging;
- The packaging of the equipment must ensure its safety during transportation;
- Delivery time of the goods, 30 calendar days from the dates of contract signing;

- Transportation costs for the delivery of the goods must be included in the price, as well as all other available costs;
- The cost of services must include VAT if the Supplier is a VAT payer;
- Acceptance by the supplier of the UNDP General Terms and Conditions;
- Quotation validity period – 90 days.

Delivery address under DDP Inco Terms 2020:

The Republic of Kazakhstan, Kostanay city. The exact delivery address will be provided after signing the contract.

Documentation to be submitted by supplier:

- Duly accomplished Quotation Submission Form (Annex 2) and Technical and Financial Offer (Annex 3) according to the requirements of the RFQ;
- Latest Business registration/re-registration Certificate;
- VAT Certificate (if applicable);
- Certificate confirming that currently there are no debts with the tax authorities;
- Brief description of company (no more than 2 pages.);
- Recommendation letters from previous customers - at least 2 letters;
- A complete set of documents with information about the supplied goods (photo, technical specification, user manual, passport copy, etc)
- Information about the terms and conditions of the warranty service;
- Written Self-Declaration of not being included in the UN Security Council 1267/1989 list, UN Procurement Division List or other UN Ineligibility List;
- Availability of equipment maintenance service centers on the territory of the Republic of Kazakhstan (at least 1 center). Name, phone/fax number and e-mail address or postal address of service centers;
- Provision of a guarantee for a period of at least 12 months.

Technical specification for no till drill (seeder)

#	Description	requirement
Technical specification for no till drill (seeder)		
1.1	Mechanical no-till drill (without any cultivation) for small seed crops such as wheat, barley, lucerne, etc. and suitable for use with a tractor of 80 hp. With simultaneous application of mineral fertilizers.	1 unit
1.2	Tractor rear trailed seed drill utilising Category II link	Yes
1.3	Suitable for drilling seed of small grain crops (including very small seeds)	Yes
1.4	Tractor power requirements	79 hp (59 kW)
1.5	Tool bar length	3,5 -4,0 m
1.6	Tool bar fitted with a fertilizer applicator	Yes
1.7	Tool bar fitted with 25 independently suspended furrow opener seed units	Yes
1.8	Each sowing unit must be independently suspended and equipped with tine type furrow openers.	Yes
1.9	Application of fertilizers from a separate hopper to the seed row. It is also possible to apply fertilizers and seeds in one furrow with a two-disc coulter. The coulter discs must be mounted on the same hub and have different diameters.	Yes
1.10	The fertiliser application from a separate hopper into the seed row.	Yes

	This can be applying fertilizer and seed into the same double disk. Double discs must be offset and of different diameter.	
1.11	Each sowing unit to be fitted with intermediate row closing units – those can be together with the depth gauge.	Yes
1.12	Each sowing unit must be fitted with a rear mounted compaction and depth control wheel and depth ring attached on the disc.	Yes
1.13	Each sowing unit to be attached to the tool independently	Yes
1.14	Distance between rows	Adjustable from 150 mm to 200 mm
1.15	Seed spacing within the row:	drill seed, continuous flow, adjustable between 20 and 300 kg/ha for grain crops and 1-20 kg/ha for fine seeds
1.16	Capacity of the seed container	min. 500 l.
1.17	Capacity of the fertilizer container:	min. 250 l.
1.18	Fertiliser containers to be made of non-corrodible material	Yes
1.19	The fertiliser and seed metering mechanisms must be ground wheel driven through gearboxes. The drive shafts must be common for all seed metering units	Yes
1.20	The fertiliser metering unit must be made of non-corrodible material	Yes
1.21	The mechanical seed metering units must allow adjustments for seed size and quantity (seed rate)	Yes
1.22	Tool bar to be fitted with two rubber tired wheels for weight suspension and direct drive to the fertiliser and seed metering units	yes
1.23	Maximum machine weight	2300 kg.
Manuals		
2.1	Operators hand book (printed or in CD) in Russian one for each unit	Yes
Spare parts		
3.1	A list of manufacturer's recommended spare parts, sufficient for 2 years of operation must be submitted for each unit. The list must be itemised, costed and submitted with your bid.	Yes

Terms of Reference approved by:


Aizhan Karabayeva
Regional Project Associate
Date: 04.08.2021