

ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER

Contract title: Procurement of Equipment for Plant Variety Testing

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Publication reference: NEAR/BEG/2021/EA-OP/0081

Columns 1-2 should be completed by the contracting authority

Columns 3-4 should be completed by the tenderer

Column 5 is reserved for the evaluation committee

Annex III - the contractor's technical offer

Lot 4: Supply of seeders and plot combine

The tenderers are requested to complete the template on the next pages:

- Column 2 is completed by the contracting authority shows the required specifications (not to be modified by the tenderer),
- Column 3 is to be filled in by the tenderer and must detail what is offered (for example the words 'compliant' or 'yes' are not sufficient)
- Column 4 allows the tenderer to make comments on its proposed supply and to make eventual references to the documentation

The eventual documentation supplied should clearly indicate (highlight, mark) the models offered and the options included, if any, so that the evaluators can see the exact configuration. Offers that do not permit to identify precisely the models and the specifications may be rejected by the evaluation committee.

The offer must be clear enough to allow the evaluators to make an easy comparison between the requested specifications and the offered specifications.

1. Item number	2. Specifications required	3. Specifications offered	4. Notes, remarks, ref to documentation	5. Evaluation committee's notes
1	<p>Four - row precision seeder for planting microtrials of wide-row crops</p> <p>Quantity: 1</p> <p>3 point connections mounted seeder (for tractor category 3);</p> <p>4 rows;</p> <p>For plot length from 1 to 10 meters;</p> <p>Adjustable space between rows 50 to 75 cm;</p> <p>2 hydraulic folding markers;</p> <p>1 adjustable platform for seed;</p> <p>2 operator seats;</p> <p>Distribution for each row (possibility of sowing each row separately, for example each row - different variety);</p> <p>Central distribution;</p> <p>Automatic control plot length, distance between seeds, path between plots etc.;</p> <p>Electric drive system;</p> <p>2 vacuum turbines (first for creating vacuum on distribution disc and second for transporting residue seeds to reservoirs);</p>			

	4 reservoirs for residual seeds; Distribution discs for corn, sunflower, soybean, sugarbeat; 4 sowing coulters; 4 rubber skids for coulters; 4 press wheels.			
2	Plot seeder for planting microtrials of multigrain crops (narrow row wheat, barley, rape, peas) Quantity: 1 3 point connections seeder (for tractor category 2,3); Ergonomic platform; 2 seats for operator and helping person/assistant; Truck width from 1,25m to 1,50m; 10 rows, quickly changeable to 5 rows; Row distance 12,5 cm (adjustable); Tires 7.5 - 16; For plot lenght from 1 to 10 meters; Holder for seed box; 2 support arms; Belt cone made of aluminium; 3 different filling funnels with diameters 20mm,50mm,70mm for different crops;			

	<p>Mechanical slope compensation of the belt cone;</p> <p>Mechanical seed drive;</p> <p>Adjustable plot lenght from 0,5-35m;</p> <p>Distribution head mechanical for 10 rows;</p> <p>Distribution head mechanical for 5 rows;</p> <p>3 different insert funnels with the diameters 14mm, 22mm, 30mm for different crops;</p> <p>Special deflector in distribution head for fine seeds (rape, grass etc.);</p> <p>Disc coulters: 10 pcs with rubber depth wheel;</p> <p>Following harrow with height adjustment (tines).</p>			
3	<p>Plot combine for harvesting microtrials</p> <p>Quantity: 1</p> <p>Engine:</p> <p>Engine (Euro Diesel) 50-80 kW, 3000-4000 ccm³;</p> <p>Emission standard EC(NRMM) Stage V/FinalTier 4;</p> <p>Exhaust gas treatment without AdBlue/SCR;</p> <p>Access to engine from cabin/drivers platform;</p> <p>Rotating dust separator at radiator ensuring engine cooling.</p> <p>Ground drive:</p> <p>Hydrostatic drive with two - speed stage;</p>			

	<p>Step - less speed adjustment from 0-10 and 0-20 km/h; Hand brake (park brake); Emergency stop foot brake.</p> <p>Header for corn with sunflower adapter:</p> <p>Cutting width 1.50 m; Air cleaning system; 2 rape harvest side knives.</p> <p>Corn header:</p> <p>2 row corn header; Distance between rows 75 cm.</p> <p>Sunflower attachment to header:</p> <p>Insertable cutting knives above picking rollers Bricks on the chain (for better intake of the stems).</p> <p>Bunker (grain tank):</p> <p>600-1200 L; Grain tank manually foldable in back side for mix free and reliable cleaning; 2,6 m overhead unloading height; Manually foldable unloading auger.</p> <p>Sieves and cleaning system:</p> <p>3-step surface shaker (PS 28) with minimum 1.8 m² separation; Double sieve system (2 top sieves as adjustable lamella sieves and 2 bottom sieves as round hole sieves (Ø 4,5mm for rape, Ø 10mm for grain,</p>			
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	<p>Ø16mm for corn and sunflower, Ø20mm for big legumes); Cleaning surface of sieves minimum 2.0 m², total surface of sieves minimum 3,8m²; Hydraulically driven cleaning fan with steplessly adjustable speed; Quick adjustment of cleaning fan to blow out the sieve unit for cleaning (maximum speed of wind ≈ 2 000 rpm); Big straw space above shaker for high flow rates.</p> <p>Cabin: Air conditioning, heating, 2 working lights, side mirrors, side opening for bag output, extra seat for helping person/assistant, integrated vacuum cleaner to prevent dust in the cabin, possibility of sample taking in the cabin.</p> <p>Strow chopper</p> <p>Sample measurement system: Weighing and displaying of plot yields; Display with touch screen and hard keys; USB-port for easy data exchange; Hectoliter measurement.</p>			
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Commercial warranty		
	Minimum 2 years (1 year after the end of 1 year standard warranty after provisional acceptance in accordance with the conditions laid down in Article 32 of the General Conditions);	

Response time and repair time		
Response time	<ul style="list-style-type: none"> • On-site response time within 48 hours from the date of the failure of equipment during 3 years after provisional acceptance. • Tenderer must provide a detailed description of the organisation of the proposed service (e.g. name of the authorised service provider). 	
Repair time	<ul style="list-style-type: none"> • 5 days repair time during 3 years after provisional acceptance. • Tenderer must provide a detailed description of the organisation of the proposed service (e.g. name of the authorised service provider). 	
Delivery deadline	<ul style="list-style-type: none"> • 120 days from the date of conclusion of the contract. 	

Verification operations:

Installation: The Contractor will be responsible for installation, configuration and start up of the equipment in accordance with the directions provided by the Beneficiary. The Beneficiary reserves the right to delegate one/two of its employees to actively participate in the installation and testing of the equipment together with the Contractors' team.

Testing: Items shall be tested during the takeover event, where all the required specifications and features shall be accounted for, and full functionality of the items shall be presented.

Training: The basic training of machine operators (drivers) is necessary. The extent of this ancillary service is subject to the optimal use of machines. However, considering that drivers are already experienced with machines currently in use, the training would be carried out for a short period of time (one day of training for two operators encompassing test run of machines, explanation of routine operations and maintenance procedures by a company qualified representative). Offers should contain/propose this service.

Annex 1**DISTRIBUTION LIST**

Place and address of delivery/acceptance	Quantity	Name of the persons responsible for acceptance of the equipment and their full contact details (including phone number)
PSSS Sombor – Agricultural extension service Sombor Address: 35 Staparski put 25000 Sombor	3	Vladimir Sabadoš, Director 063541583