

ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER

Contract title: Procurement of Equipment for Plant Variety Testing

p 1 / 8

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 1: Supply of fruit-bearing/vineyard tractor

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>Fruit-bearing/vineyard tractor</p> <p>Quantity: 3</p> <p>Tractor type: Compact, non-articulated fruit-bearing/vineyard tractor T2 according to EU regulation No. 167/2013;</p> <p>Technical characteristics:</p> <p>Engine:</p> <ul style="list-style-type: none"> - Nominal engine power (ISO TR14396 – ECE R120) from 37 kW (50 hp) to 49 kW (67 hp) without Power Boost; - Mechanical or Common Rail fuel supply and injection system; - Air supply system with turbocharger; - Liquid cooling system; - Exhaust emission standards - minimum TIER 3, STAGE IIIA. <p>Fuel type: Diesel</p> <p>Transmission:</p> <ul style="list-style-type: none"> - Mechanical synchronized gear box; - Mechanical or electro-hydraulic reverser for changing the direction of movement; - Maximum speed: minimum 30 km / h; 			

	<p>-Number of forward / reverse gears with creep speed (Creeper): minimum 16/16;</p> <p>Hydraulics:</p> <ul style="list-style-type: none"> - Hydraulic pump / pumps with minimum total flow rate: 45 liters; - Minimum 3 (three) pairs of external hydraulic outlets; - Mechanical or electronic control of lower levers and external selective control valves - E-SCV. <p>PTO shaft:</p> <ul style="list-style-type: none"> - 540 rpm and 750 / 540E rpm; - Outlet diameter 35 mm (1 3/8 "); - Number of outlet splines: 6; - With brake. <p>Rear lifting system and drawbar:</p> <ul style="list-style-type: none"> - Three-point connection device category – ends of levers for fast connection: I; - Standard lower swinging drawbar; - Upper height – adjustable drawbar; - Maximum lifting capacity at the ends of the levers: minimum 1100 daN (kg); - Upper lever category: I; - Lower levers stabilizers. <p>Front drive axle:</p> <ul style="list-style-type: none"> - 4WD front axle; 			
--	---	--	--	--

	<ul style="list-style-type: none"> - Electro-mechanical or Electro-hydraulic activation of the front axle drive; <p>Rear drive axle:</p> <ul style="list-style-type: none"> - Mechanical or electro-hydraulic activation of the differential lock. <p>Wheels:</p> <ul style="list-style-type: none"> - Adjustable rear wheel track: not less than 900 and not more than 1500 mm; - Rear: 360/70 R 24; - Front: 280/70 R 16. <p>Steering:</p> <ul style="list-style-type: none"> - Hydrostatic (with orbitrol) or electric. <p>Cabin:</p> <ul style="list-style-type: none"> - ROPS (roll over protective structure) and FOPS (falling object protective structure); - Mechanical or pneumatic elastic cab support; - Tilt adjustable steering wheel column (steering wheel); - Seat with elastic support, i.e. suspension; - Windshield and rear window wiper; - Air condition; - Work lights: 2 front and 2 rear; - Tool box; - Carbon cabin air filter with activated carbon; - Two rear view mirrors - left and right; 			
--	--	--	--	--

	<ul style="list-style-type: none"> - One rotating light. <p>Electrical equipment:</p> <ul style="list-style-type: none"> - Multipolar socket for trailer towing, according to EU standards. <p>Accessories:</p> <ul style="list-style-type: none"> - Front weight: minimum 80 kg with tow hook; - Training of operators (test and certificate included); - Operating instructions in Serbian language. <p>Note: The tractor should be new and unused, year of production 2021. Prices should include putting the tractor into operation and operator training.</p>			
--	--	--	--	--

Commercial warranty		
	<p>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);</p> <p>All defects that occur during the warranty period and out-of-warranty period (minimum 10 years), and are not the result of improper handling by the beneficiary, must be remedied by and at the expense of the supplier or its authorized repairer, regardless of the cause of the defect.</p>	

Response 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	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's 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)
Fruit Research Institute Cacak Address: 9 Kralja Petra I Cacak 32000	1	Darko Jevremović, Director 063618078
Faculty of Agriculture, University of Novi Sad, Department of Fruit growing, Viticulture, Horticulture and Landscape architecture Address: 35 Karlovačkih Đaka 21205 Sremski Karlovci	1	Dragoslav Ivanišević, Director 063557130
Faculty of Agriculture, University of Belgrade (trial station "Radmilovac") Address: bb Smederevski put, Vinca, Belgrade	1	Gordan Zec, Professor 0638601896