

ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER

Contract title: Supply of equipment for relevant institutions within the SoHo System in Serbia

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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

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.

Unless otherwise specified, the requirements in these Technical Specifications are presented as a minimum standard which the offered goods must meet.

LOT 4 – Cold Storage and Support Equipment for Transfusion and Transplantation Establishment

1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
4.1	WHOLE BLOOD COOLING, TRANSPORT AND STORAGE SYSTEM (boxes a 6) Quantity: 32			
	<ul style="list-style-type: none"> Box capacity: 6 blood bags volume up to 550ml, with transfer bags Cooling inserts: aluminium with activation capability in the refrigerator +4°C Required cooling temperature: blood bags cooling to +22°C in 2 hours The ability to maintain the temperature of the blood bags at + 22°C for a period of time up to 24 hours, independent from outside power supply Placing the boxes one over another at a time when transporting washing and disinfection of all parts of the system Maximum time required for cooling of refrigeration elements at +4° C Transport trolley for transporting at least 4 cooling boxes 	<p><i>Manufacturer's name:</i></p> <p><i>Product type, model:</i></p> <p><i>Specifications:</i></p>		
4.2	FREEZER FOR BLOOD PLASMA STORAGE (-40 ° C) Quantity: 9			
	<ul style="list-style-type: none"> Capacity: 500L Power supply: 220 V / 50 Hz 			

1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
	<ul style="list-style-type: none"> • Material of exterior: Steel with special anti-bacterial epoxy coating, white color • Material of interior: steel with special anti-bacterial epoxy coating, white color • Insulation material: polyurethane foam at least 50 mm thick • Single door with magnetic rubber gasket, Safety door lock with key • Indoor with LED light • Mobility: 4 castors • Defrosting and moisture evaporation: automatic • Hermetically closed compressor under or above the chamber of the freezer • Electronic thermostat with digital indicator installed above the door • 6 stainless steel drawers with 3 dividers • Switch on of the freezer on the control panel from the front side • Temperature range: -20 ° C to -40 ° C • Permissible room temperature: up to 25 ° C • Display: digital with current and default temperature, and default alarm values on the control panel • Access to parameter settings: locked with password • Microprocessors for temperature, alarm and compressor operation • Audio-visual alarms for: temperature, 			

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	disappearance of the electricity, <ul style="list-style-type: none"> equipment failure, low battery voltage, open doors, powered with rechargeable battery, anti-freezing evaporator 			
4.3	Ph METER Quantity: 12			
	pH <ul style="list-style-type: none"> measuring range: ± 2.000 – resolution: 0.001\0.01\0.1 accuracy: ± 0.002 mV <ul style="list-style-type: none"> measuring range: ± 2.000 resolution: 0.1\1 accuracy: 0.1 Instrument can also measure rel. mV Ion concentration: <ul style="list-style-type: none"> measuring range: 1.00E-9 – 9.99E+9 resolution: \pm last significant digit accuracy: ± 0.5 % Ion concentration supports unit mmol\L, mol\L, ppm, mg\L, % and pX Temperature: <ul style="list-style-type: none"> measuring range: - 30.0 – 130.0 °C resolution: 0.1 °C accuracy: ± 0.1 °C Temperature display choice between °C and °F. ATC temperature range is -5,0 – 			

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	130,0 °C <ul style="list-style-type: none"> • Calibration: Max.5 points, 8 pre-defined and 1 user-defined buffer group • System: Date\time, PIN-protection, 12 languages • Data storage: 1000 measurements • Data export: USB stick, pH software • Measurements limits: User-definable with warning message • ID entry: User ID, Sample ID, Sensor ID, Sensor Serial Number 			

Installation and other services for Lot No4

Specifications Required		Specifications Offered	Notes, remarks, ref to documentation	Evaluation Committee's notes YES/NO
Installation	Installation performed by contractor or authorised service provider; All the equipment must include all necessary parts and standards for its installation			
Testing	Testing of all basic function on a set of producer's standard samples commonly used for the corresponding instrument.			
Education	Theoretical education about basic functions of instrument, software and maintenance in Serbian or interpretation should be provided for 2 doctors and 3 technicians during 5 days performed by a manufacturer's licensed instructor no sooner than 1 month before installation.			
Start-up Training	Practical start-up training for 5 end users after installation and testing in all basic functions of the instrument on set of standard samples, commonly used for the corresponding instrument . Duration of training 1 day.			
Manuals	Instruction manual in Serbian			
Certificates and documentation	CE mark; Certificates conform to standards as specified in EU Directive 2002/98/EC; GMP (Good Manufacturing Practice)documentation; all in English language.			

Specifications Required		Specifications Offered	Notes, remarks, ref to documentation	Evaluation Committee's notes YES/NO
Warranty	365 days after provisional acceptance in accordance with the conditions laid down in Article 32 of the General Conditions.			

Annex II + III: Technical Specifications + Technical Offer - part II – Place of delivery/Acceptance

Item	ARTICLE	Place of acceptance
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Item 1-3	All items	<p>EQUIPMENT FOR TRANSFUSION ESTABLISHMENT</p> <p><i>For the Transfusion Establishment, exact number the place of acceptances is 8:</i></p> <p><i>1. Blood Transfusion Institute of Serbia, Sveti Sava str.39, 11000 Belgrade;</i></p> <p><i>2. Blood Transfusion Institute Nis, Bulevar Dr Zorana Djindjica str.48, 18000 Nis;</i></p> <p><i>3. Institute for Blood Transfusion of Vojvodina, Hajduk Veljka str. 9a, 21000 Novi Sad;</i></p> <p><i>4. Institute for Blood Transfusion Kragujevac, Zmaj Jovina str. 30, 34000 Kragujevac;</i></p> <p><i>5. General Hospital Užice, Miloša Obrenovića str.17, 31000 Užice;</i></p> <p><i>6. General Hospital Subotica, Izvorska str. 3, 24000 Subotica;</i></p> <p><i>7. KBC Zemun, Vukova str. 9, 11080 Zemun;</i></p> <p><i>8. Military Medical Academy, Crnotravska str. 17, 11000 Belgrade.</i></p>
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