# *ANNEX II + III:* TECHNICAL SPECIFICATIONS + TECHNICAL OFFER

**Contract title: Supply of Ambulance vehicle p 1 /…**

**Publication reference: RORS00013/SBPB Vrsac/TD4**

**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 onits 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 offeredspecifications.

| **1.**  **Item number** | **2.**  **Specifications required** | **3.**  **Specifications offered** | **4.**  **Notes, remarks,  ref to documentation** | **5.**  **Evaluation committee’s notes** |
| --- | --- | --- | --- | --- |
| **1** | **Ambulance Vehicle – 1pc**  **Technical information:**  **Vehicle:**   * Engine: from 1800 to 2600 CC, * HP: more than 120 * Euro 6 emission standard or better * Dimensions of the vehicle need to be up to the actual standard for ambulance vehicles * Gearbox: Automatic or manual with 6 gears + reverse * Fuel capacity: min. 80 l * Three seats in driver’s cabin * Right sliding door (on the side of the vehicle)   **Equipment and safety features:**   * Board computer * Adjustable servo steering wheel * Airbag systems for the driver and the driver’s cabin * ABS, EBD, ESC (needs to include BAS, MSR and ASR) systems, equivalent or better * Electric window controls * Electric external rear view mirror controls with unfreezing capability * Dashboard needs to have a TFT or an equivalent display for various board computer data * Multimedia system with Bluetooth connection for hands-free options * Multimedia system commands need to be in the steering wheel as well * Centralized locking system with remote key control * Cruise control * Fog lights (front and back) * AC unit * Driver’s seat needs to be adjustable (height, front-back, tilt) * External battery connector * Armrest for driver’s seat * Glovebox comaparment * Parking sensors with sound signalling, or better * Start-stop system * Spare tyre (wheel), standard size * Steel rims, suitable dimensions for the vehicle (5 pieces – four mounted and one for spare wheel)   **Patient space and equipment**   * The back of the vehicle (patient space) completely plated in polyester, adjusted to the shape of the vehicle, resistant to all cleaning and sanitary chemicals, as well as to disinfection chemicals (chemical or biological) * Thermal and acoustic insulation of the back of the vehicle between polyester plating the vehicle chassis * Sliding window between the driver’s cabin and patient space * Gripping handles, lighting, infusion systems and ventilation need to be installed in the ceiling * The shape and function of the left hand side internal side of the plating needs to be adjusted to the purpose of the vehicle, with the possibility of installation of medical equipment and special medical materials, such as a compartment for at least two bottles of O2 (V=10 l), then sockets for 12 and 220 V for powering the medical equipment and at least two O2 standardized sockets * The flooring needs to be made from PVC non-slip materials, resistant to mechanical damage and resistant to previously mentioned cleaning and maintenance substances * All joints/welds/connections of the plating need to be sealed properly, so that any type of cleaning and maintenance can be performed   **Oxygen system**   * The vehicle needs to be equipped with an “Oxygen box”, installed within the left hand side plating of the back, containing two oxygen bottles with 10 l volume * The oxygen system needs to have 2 standardized sockets, pressure regulator, flow control, moisturizer and a suitable face mask   **Vehicle branding, doors, glass and signalization**   * All glass areas on the patient space need to be dimmed in accordance with the actual standard and regulations in force * Vehicle exterior needs to be branded in accordance with the actual standard and regulations in force (EN1789 among others or similar), which contains reflective foils, graphic symbols, while leaving enough space to brand the vehicle in accordance with the Visibility manual of the EU, which may be found at the INTERREG IPA CBC Romania Serbia programme website: http://www.romania-serbia.net/ and approved by Contracting Authority (on both driver’s and passenger’s doors, the space left for branding needs to be at least 420 \* 297 mm, A3 and on the back of the vehicle, at least 297 \* 210, A4) * The light and sound signalization of the vehicle needs to comprise of at least a roof-mounted console, width ~140 cm with an integrated horn (~100 W power), two blinkers on the front of the vehicle, with controls easily accessible the driver’s cabin. The entire lighting and sound signalization system needs to be in accordance with official standards and ECE R65 certification or equivalent   **Electrical installation and lighting for the patient space**   * Regardless of the factory installations, the vehicle must have specially installed cables and electrical installations suited for 12 V, in accordance with the manufacturer’s instructions for the powering of additional equipment, additionally secured with a main fuse and single fuses for each individual device * Electrical installation needs to be properly insulated and installed within the left hand side plating of the patient space to at least four 12 V sockets and one 220 V socket (with transformer) * The lighting system of the patient space needs to be suitable for the intended use – it needs to have three levels of lighting: dimmed, medium and bright. The lights should be automatic in a sense that they activate when the back and side doors open. Also, the light need to be controlled from inside the patient’s space   **Ventilation and air conditioning for the patient space**   * The patient space needs to have a ventilation system installed, with a two-way fan, with a capacity of at least 400 m3 per hour, with controls installed in the patient’s cabin * The patient space needs to have a separate AC unit (at least 5 kW power) for cooling and heating, and controls for it, with at least two levels of fan speed   **Seating in the patient’s space**   * The patient’s space needs to have a separate seat for a medical escort, installed on the right hand side, next to the stretcher, facing the front of the vehicle * The other installed seat needs to be installed at the headrest of the stretcher, facing the back of the vehicle * Both seats need to have standard, three-point seat belts and adjustable armrests   **Stretcher**   * The stretcher for the patient needs to have a loading height of 62 to 64 cm and be suited and compatible with the vehicle * It needs to have the possibility of adjustment in at least 10 positions * It needs to have the possibility of adjusting into trandelenburg and reverse trandelenburg position * The surface area of the stretcher needs to be made out of waterproof materials * The back and the foot mechanical parts of the stretcher have to have the possibility of lifting with gas-powered springs * The patient, surface area (mattress) needs to be detachable from the rest of the stretcher * The stretcher needs to have safety belts * The stretcher needs to be designed in such a way, that only one person may be able to operate it and load the patient into the ambulance vehicle * The stretcher needs to have a mechanism for collapsing the legs with an easily accessible control handle * The wheel diameter of the stretcher needs to be ~20 cm ± 2 cm * The stretcher needs to have a minimum weight capacity of 175 kg   **Other requirements**   * All medical equipment installed in the vehicle has to be properly and due registered in the database of the ALIMS – Agencija za lekove i medicinska sredstva (Medicines and Medical Devices Agency of Serbia), a body governing the market of drugs and medical equipment and devices, in case the installation and/or equipment requires registration * All equipment has to be in accordance with actual and other standards in force applicable for these types of vehicles * The Contractor is obliged to provide the CA with all certificates and documents issued by the governing bodies, along with the confirmation document certifying the successful technical inspection (MOT/motor vehicle test – “tehničkipregled” srb.) |  |  |  |
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