REQUEST FOR QUOTATION NO. RfQ26/03246:

SUPPLY OF ONE TYPE C AND ONE TYPE B AMBULANCE VEHICLES

SECTION 1: REQUEST FOR QUOTATION (RFQ)

UNDP through the **Cross River Care Project (CRCP),** kindly requests your quotation for the **Request for Quotation no. RfQ26/03246: Supply of one type C and one type B ambulance vehicles** as detailed in line items section of this RFQ.

This Request for Quotation comprises the following documents:

- Section 1: This RFQ document generated by the online system
- Section 2: General instructions
- Section 3: Special instructions
- Annex 1: Schedule of Requirements
- Annex 2: Quotation Submission Form
- Annex 3: Technical and Financial Offer
- Annex 4: Technical Responsiveness Table in Russian or Romanian or English languages

When preparing your quotation, please be guided by the RFQ Instructions and Data. Please note that quotations must be submitted directly in the system responding to the questions and uploading required documents by the date and time indicated in the online portal. It is your responsibility to ensure that your quotation is submitted before the deadline. Quotations received after the submission deadline outside the online portal, for whatever reason, will not be considered for evaluation.

Quotations must be submitted directly in Quantum NextGenERP supplier portal following the link: http://supplier.quantum.partneragencies.org using the profile you may have in the portal (please log in using your username and password).

Follow the instructions in the user guide to search for the tender using search filters, namely **Negotiation ID: UNDP-MDA-00964** and subscribe to the tender in order to get notifications in case of amendments of the tender document and requirements.

In case you have never registered before, follow this link to register a profile: https://estm.fa.em2.oraclecloud.com/fscmUI/redwood/supplier-registration/register-supplier/register-supplier-verification?id=TUW16eK6qsD94MNMxATNMoYCOHny7FmchTkUZsdOqrAW4sy6L5xSAB033Q%3D%3D

Please note that the access link to the Supplier registered profile is sent from Oracle within up to 3 days. In case you have not received the access link after 3 days since registration, you should

address for support to UNDP at the email address: sc.md@undp.org. In case you encounter errors with registration (e.g. system states Supplier already is registered), you should address for support to UNDP at the email address: sc.md@undp.org.

Computer firewall could block *oracle* or *undp.org* extension and Suppliers might not receive the Oracle notifications. Please turn down any firewalls on your computers to ensure receipt of email notification.

Do not create a new profile if you already have one. Use the forgotten password feature in case you do not remember the password or the username from previous registration.

Should you require further clarifications on the application through the Quantum online portal, kindly contact the Procurement Unit at sc.md@undp.org. Please pay attention that the bid shall be submitted online through the Quantum system and any bid sent to the above email shall be disqualified.

Should you require further clarifications on the Request for Quotation, Terms of Reference or other requirements, kindly communicate using the messaging functionality in the portal.

Deadline for Submission of Offers (Date and Time), which is visible in the online procurement system will be final. System will not accept submission of any bid after that date and time. It is the responsibility of the bidder to make sure that the bid is submitted prior to this deadline for submission.

Bidders are advised to upload bid documents and to submit their offer a day prior or well before the date and time indicated under the deadline for submission of Offers. Do not wait until last minute. If Bidder faces any issue during submitting offers at the last minutes prior to the deadline for submission, UNDP may not be able to assist on such a short notice and will not be held liable in such instance. UNDP will not accept any offer that is not submitted directly through the System.

Thank you and we look forward to receiving your quotation.

UNDP Moldova

SECTION 2: GENERAL INSTRUCTIONS

Introduction	Bidders shall adhere to all the requirements of this RFQ, including any amendments made in writing by UNDP. This RFQ is conducted in accordance with the UNDP Programme and Operations Policies and Procedures (POPP) on Contracts and Procurement Any Bid submitted will be regarded as an offer by the Bidder and does not constitute or imply the acceptance of the Bid by UNDP. UNDP is under no obligation to award a contract to any Bidder as a result of this RFQ. UNDP reserves the right to cancel the procurement process at any stage without any liability of any kind for UNDP, upon notice to the bidders or cancellation of the tender in the online portal.
Deadline for the Submission of Quotation	Deadline is indicated in the online portal. If any doubt exists as to the time zone in which the quotation should be submitted, refer to http://www.timeanddate.com/worldclock/.
Method of Submission	Quotations must be submitted as follows: Quantum ERP supplier portal following this link: https://supplier.quantum.partneragencies.org/ using the profile you may have in the portal. Follow the instructions in the user guide to search for the tender using Negotiation ID. In case you have never registered before, follow this link to register a profile: https://estm.fa.em2.oraclecloud.com/fscmUI/redwood/supplier-registration/register-supplier/register-supplier-verification?id=TUW16eK6qsD94MNMxATNMoYCOHny7FmchTkUZsdOqrAW4sy6L5xSAB033Q%3D%3D Do not create a new profile if you already have one. Use the forgotten password feature in case you do not remember the password or the username from previous registration. ▪ File Format: All attachments must be in PDF format unless otherwise instructed by UNDP. ▪ File names must be in Latin alphabet/keyboard and clearly indicate the content of the document to facilitated review. ▪ All files must be free of viruses and not corrupted.
Cost of preparation of quotation	UNDP shall not be responsible for any costs associated with a Supplier's preparation and submission of a quotation, regardless of the outcome or the manner of conducting the selection process.
Supplier Code of Conduct, Fraud, Corruption,	All prospective suppliers must read the United Nations Supplier Code of Conduct and acknowledge that it provides the minimum standards expected of suppliers to the UN. The Code of Conduct, which includes **principles on labour, human rights, environment and ethical conduct** may be found at: https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct Moreover, UNDP strictly enforces a policy of zero tolerance on proscribed practices, including fraud, corruption, collusion, unethical or unprofessional practices, and obstruction of UNDP vendors and requires all bidders/vendors to observe the highest standard of ethics during the procurement process and contract implementation. UNDP's Anti-Fraud Policy can be found at http://www.undp.org/content/undp/en/home/operations/accountability/audit/office_of_audit_andinvestigation.html#anti

Gifts and Hospitality	Bidders/vendors shall not offer gifts or hospitality of any kind to UNDP staff members including recreational trips to sporting or cultural events, theme parks or offers of holidays, transportation, or invitations to extravagant lunches, dinners or similar. In pursuance of this policy, UNDP: (a) Shall reject a bid if it determines that the selected bidder has engaged in any corrupt or fraudulent practices in competing for the contract in question; (b) Shall declare a vendor ineligible, either indefinitely or for a stated period, to be awarded a contract if at any time it determines that the vendor has engaged in any corrupt or fraudulent practices in competing for, or in executing a UNDP contract.
Conflict of Interest	UNDP requires every prospective Supplier to avoid and prevent conflicts of interest, by disclosing to UNDP if you, or any of your affiliates or personnel, were involved in the preparation of the requirements, design, specifications, cost estimates, and other information used in this RFQ. Bidders shall strictly avoid conflicts with other assignments or their own interests, and act without consideration for future work. Bidders found to have a conflict of interest shall be disqualified. Bidders must disclose in their Bid their knowledge of the following: a) If the owners, part-owners, officers, directors, controlling shareholders, of the bidding entity or key personnel who are family members of UNDP staff involved in the procurement functions and/or the Government of the country or any Implementing Partner receiving goods and/or services under this RFQ. The eligibility of Bidders that are wholly or partly owned by the Government shall be subject to UNDP's further evaluation and review of various factors such as being registered, operated and managed as an independent business entity, the extent of Government ownership/share, receipt of subsidies, mandate and access to information in relation to this RFQ, among others. Conditions that may lead to undue advantage against other Bidders may result in the eventual rejection of the Bid.
Currency of Quotation	Quotations shall be quoted in only in the currency indicated in the system: **Moldovan Leu (MDL) for local suppliers** and **US Dollars (USD) for international suppliers**. For evaluation purposes, all the rates shall be recalculated at UN Operational Rate of Exchange (to be found at https://treasury.un.org/operationalrates/OperationalRates.php) indicated in the portal. In case of contract award to a local company, payments will be made in Moldovan Leu based on UN Operational Rate of Exchange valid on the date of money transfer, as per the "payment terms and conditions" stipulated in this solicitation document: https://treasury.un.org/operationalrates/OperationalRates.php UNDP shall not be kept liable for any fluctuations of the exchange market during contract implementation, the Contractor being legally responsible to register any loss/gain of currency exchange resulting from payments against the Contract in accordance with the national legislation. .
Joint Venture, Consortium or Association	If the Bidder is a group of legal entities that will form or have formed a Joint Venture (JV), Consortium or Association for the Bid, they shall confirm in their Bid that : (i) they have designated one party to act as a lead entity, duly vested with authority to legally bind the members of the JV, Consortium or Association jointly and severally, which shall be evidenced by a duly notarized Agreement among the legal entities, and submitted with the Bid; and (ii) if they are awarded the contract, the contract shall be entered into, by and between UNDP and the designated lead entity, who shall be acting for and on behalf of all the member entities comprising the joint venture, Consortium or Association. Refer to Clauses 19 – 24 under Solicitation policy for details on the applicable provisions on Joint Ventures, Consortium or Association.

Only one Bid	The Bidder (including the Lead Entity on behalf of the individual members of any Joint Venture, Consortium or Association) shall submit only one Bid, either in its own name or, if a joint venture, Consortium or Association, as the lead entity of such Joint Venture, Consortium or Association. Bids submitted by two (2) or more Bidders shall all be rejected if they are found to have any of the following: a) they have at least one controlling partner, director or shareholder in common; or b) any one of them receive or have received any direct or indirect subsidy from the other/s; or b) they have the same legal representative for purposes of this RFQ; or c) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about, or influence on the Bid of, another Bidder regarding this RFQ process; d) they are subcontractors to each other's Bid, or a subcontractor to one Bid also submits another Bid under its name as lead Bidder; or e) some key personnel proposed to be in the team of one Bidder participates in more than one Bid received for this RFQ process. This condition relating to the personnel, does not apply to subcontractors being included in more than one Bid.
Price variation	No price variation due to escalation, inflation, fluctuation in exchange rates, or any other market factors shall be accepted at any time during the validity of the quotation after the quotation has beenreceived.
Alternative Quotes	If alternative quote is permitted, it may be submitted only if a conforming quote to the RFQ requirements is submitted. Where the conditions for its acceptance are met, or justifications are clearly established, UNDP reserves the right to award a contract based on an alternative quote. If multiple/alternative quotes are being submitted, they must be clearly marked as "Main Quote" and "Alternative Quote" directly in the portal and in any supporting document as relevant.
Contact Person for correspondence, notifications and clarifications	Any communication must be submitted directly in the Quantum portal using the messaging functionality. Any delay in UNDP's response shall be not used as a reason for extending the deadline for submission, unless UNDP determines that such an extension is necessary and communicates a newdeadline to the Proposers.
Right not to accept any quotation	UNDP is not bound to accept any quotation, nor award a contract or Purchase Order
Right to vary requirementat time of award	At the time of award of Contract or Purchase Order, UNDP reserves the right to vary (increase or decrease) the quantity of services and/or goods, by up to a maximum twenty-five per cent (25%) of the total offer, without any change in the unit price or other terms and conditions.
Publication of Contract Award	UNDP will publish the contract awards on the websites of the CO and the corporate UNDP Web site.
Policies and procedures	This RFQ is conducted in accordance with UNDP Programme and Operations Policies and Procedures
UNGM registration	Any Contract resulting from this RFQ exercise will be subject to the supplier being registered at the appropriate level on the United Nations Global Marketplace (UNGM) website at www.ungm.org. The Bidder may still submit a quotation even if not registered with the UNGM, however, if the Bidder is selected for Contract award, the Bidder must register on the UNGM prior to contract signature.

SECTION 3: SPECIAL INSTRUCTIONS

General Conditions of Contract	Any Purchase Order or contract that will be issued as a result of this RFQ shall be subject to one of the General Conditions of Contract below as applicable in each case specified in the Requirements section Applicable GTC: ☒ General Terms and Conditions for contracts (Goods and Services) Applicable Terms and Conditions and other provisions are available at UNDP/How-we-buy
Special Conditions of Contract	☒ Cancellation of PO/Contract if the delivery/completion is delayed by 30 days ☒ **Liquidates damages** shall be imposed as follows: 0.33% of contract for every day of delay, up to a maximum duration of 1 (one) month, after which UNDP may terminate the contract.
Duties and taxes	Article II, Section 7, of the Convention on the Privileges and Immunities provides, inter alia, that the United Nations, including UNDP as a subsidiary organ of the General Assembly of the United Nations, is exempt from all direct taxes, except charges for public utility services, and is exempt from customs restrictions, duties, and charges of a similar nature in respect of articles imported or exported for its official use. All quotations shall be submitted net of any direct taxes and any other taxes and duties, unless otherwise specified in the requirements section. All prices must: ☒ **be exclusive of VAT and other applicable indirect taxes**
Eligibility	A vendor who will be engaged by UNDP may not be suspended, debarred, or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization. Vendors are therefore required to disclose to UNDP whether they are subject to any sanction or temporary suspension imposed by these organizations. Failure to do so may result in termination of any contract or PO subsequently issued to the vendor by UNDP. It is the Bidder's responsibility to ensure that its ultimate beneficial owners, employees, joint venture members, sub-contractors, service providers, suppliers and/or their employees meet the eligibility requirements as established by UNDP. Bidders must have the legal capacity to enter a binding contract with UNDP and to deliver in the country, or through an authorized representative.
Language of quotation	**Romanian or Russian or English** Including documentation such as catalogues, instructions and operating manuals.
Quotation validity period	Quotations shall remain valid for **90 (ninety)** days from the deadline for the Submission of Quotation.
Partial Quotes	☒ Not permitted
Alternative Quotes	☒ Not permitted
Payment Terms	☒ 100% within 30 days after receipt of goods and submission of payment documentation
Currency	Quotations shall be quoted in only in the currency indicated in the system: **Moldovan Leu (MDL) for local suppliers** and **US Dollars (USD) for international suppliers**. For evaluation purposes, all the rates shall be recalculated at UN Operational Rate of Exchange (to be found at

	https://treasury.un.org/operationalrates/OperationalRates.php) indicated in the portal. In case of contract award to a local company, payments will be made in Moldovan Leu based on UN Operational Rate of Exchange valid on the date of money transfer, as per the "payment terms and conditions" stipulated in this solicitation document: https://treasury.un.org/operationalrates/OperationalRates.php UNDP shall not be kept liable for any fluctuations of the exchange market during contract implementation, the Contractor being legally responsible to register any loss/gain of currency exchange resulting from payments against the Contract in accordance with the national legislation.
Conditions for Release of Payment	☒ Written Acceptance of Goods, based on full compliance with RFQ requirements
Clarifications	Bidders must send their inquiries and requests for clarifications using the messaging functionality in the portal. PLEASE PAY ATTENTION: QUOTES SHALL NOT BE SUBMITTED TO ANY EMAIL ADDRESS BUT ONLY THROUGH THE PORTAL. Requests for clarification from bidders will not be accepted any later than **5 (five) days** before the submission deadline. Responses to request for clarification will be communicated directly in the portal.
Documents to be submitted	☒ Annex 2: Quotation Submission Form duly completed and signed ☒ Annex 3: Technical and Financial Offer duly completed and signed and in accordance with the Schedule of Requirements in Annex 1 ☒ Annex 4: Technical Responsiveness Table duly completed and signed ☒ Company Profile (short info up to 5 pages), including detailed portfolio/previous corporate experience in similar fields related to the assignment ☒ Copy of Company's Registration Certificate ☒ List and value of ~~3 (three)~~ **2 (two)** most relevant projects similar to the object of present RfQ performed for the last 5 (five) years including the following information: - Name of previous contracts - Client & Reference Contact - Details including active e-mail - Contract Value - Period of activity / Delivery period - Types of services delivered ☒ Detailed technical description of the goods offered (including brochures/user manuals/ photos if possible) ☒ Statement on warranty and after sales services, according to Annex 1 ☒ Statement of the availability of an authorized service center in the Republic of Moldova for warranty/ guarantee repair, including name, address and contact information ☒ Quality Certificates (ISO, etc., if available); or other quality certification related to scope of the assignment (if available) ☒ Statements or Certificates / Declaration of origin for the goods offered (where applicable) ☒ Export/Import Licenses, if applicable ☒ Environmental Compliance Certificates, Accreditations, Evidence/Certification of Environmental Sustainability ("Green" Standards) of the Company or the Materials/Products being supplied (if any) ☒ Statements of satisfactory Performance (Certificates) from the 3 (three) top clients in terms of Contract value in similar field ☒ Financial Statements (Income Statements and Balance Sheets) for the past 3 (three) years (2023, 2024, 2025)
Evaluation method	☒ The Contract will be awarded to the lowest price substantially compliant offer.

Evaluation criteria	The **evaluation of quotations** shall be conducted in accordance with Evaluation criteria listed below. Bidders must meet all these criteria to be deemed technically qualified and responsive. In the case of **consortiums**, all criteria listed below shall apply towards the **Lead Member.** ☒ Full compliance with all requirements as specified in Annex 1 ☒ Full acceptance of the General Conditions of Contract ☒ Be a legal registered institution/company ☒ Minimum 5 (five) years of experience in provision of similar goods ☒ Minimum 2 (two) contracts for supplying similar goods within the past 5 (five) years with a value not less than USD ~~300,000~~ **200,000** each ☒ Maximum delivery period not to exceed 120 calendar days upon signature of contract ☒ Warranty Certificate for a period of minimum 24 months or 200,000 km for vehicle (whichever occurs first) that would allow servicing of the vehicle in Republic of Moldova. ☒ All medical equipment must be covered by a warranty of at least 36 months from the date of signature of the acceptance document. ☒ Availability of an authorized service center in the Republic of Moldova for warranty and post-warranty repair
Type of Contract to be awarded	☒ Contract Face Sheet (for Goods and/or Services)
Expected date for contract award	~~29 May 2026~~ **15 June 2026**

ANNEX 1: SCHEDULE OF REQUIREMENTS

Technical Specifications for Type C Ambulance vehicle – LOT 1 and Type B Ambulance vehicle – LOT 2

Lot #	Item description	Full technical specification requested by contracting authority	Q-ty
1	**Type C 4x4 Emergency Ambulance**	**Schedule of Requirements and Technical Specifications** **Type C 4x4 EMERGENCY AMBULANCE** • **GENERAL REQUIREMENTS** The ambulance meets the normative requirements for the special vehicles: by type C 4x4 ambulance, it is understood an ambulance of emergency medical service. ○ **Norms and standards** The applied legislation for the elaboration of technical specifications: •European Norm EN 1789/2007, A2 edition with regard to medical vehicles and equipment with subsequent amendments; •The medical devices meets the requirements foreseen in the European Directive 93/42/CEE regarding medical devices; •The medical devices fully corresponds to EN 1865 (specifications for stretchers and other equipment for transporting patients by ambulances), when other indications are not given. •The medical devices possess the following: a) declaration of conformity to the European Communities requirements issued by the manufacturer for the produced medical device; b) declaration of conformity to the European Communities requirements in force for produced devices, where appropriate; •The manufacturers of medical devices follow the quality standard ISO 9001/2008 (quality management system) with subsequent amendments. **1.2 Type of the car's body** • The ambulance shall be built from a single piece of van type with an integrated cabin (added containers or compartments for patients are not allowed). The roof-superstructure made of plastic is not accepted. • Ground clearance minimum ~~200~~ **170** mm (not including spare wheel); • Overall dimensions L x W x H: •Length: maximum 6500 mm; minimum 5200 mm •Width: maximum 2200 mm (not including mirrors); minimum 1900 mm (not including mirrors) • Height: maximum 3000 mm (measured at net weight and without antenna or flashing light/light signaling equipment) • Wheel Base – not ~~more~~ **less** than 3400 mm • **The vehicle should be new, year of production – not earlier than 2025** **2.PERFORMANCES** **2.1 Engine:** • cylinder capacity 2000 cm3 ±5%; • fuel: diesel; • Euro 6; • minimum 170 HP±5%; • The engine should provide sufficient power for the ambulance, loaded to its maximum permissible capacity, to accelerate from 0 km/h to 80 km/h in 30 seconds. • Metal protection under the powertrain, at least in the oil pan area. **2.2 Security systems:** • Anti-lock braking system (ABS) with electronic system, according to the standards of the automobile industry. • Electronic Stability Program (ESP). • Power steering (hydraulic, electro-hydraulic, or fully electric) • Front and rear parking assist control, audible, visual, or combined. • Steering wheel with 2-way adjustable column, height and depth, and steering	**1**

		wheel controls. **2.3 Traction:** • Manual gearbox (6+1 speed) or Automatic gearbox. • The ambulance has 4x4 traction. • The ambulance is equipped with steel wheels, winter/summer tires according to the season of delivery and a spare wheel which will be equipped with a tire for the season in which the ambulance will be delivered, **2.4 External appearance:** The ambulance is in white colour with the following inscriptions and hallmarks: On the front: • ”AMBULANCE”, printed reversed (red colour with a height of 150mm); the international Red Cross symbol (red colour with height of 300 mm and width 300 mm). On the both sides of the car body: - the international Red Cross symbol (red colour with height of 300 mm and width 300 mm) - ”СКОРАЯ МЕДИЦИНСКАЯ ПОМОЩЬ” (red colour with a height of 150mm); Unique number „103” (red colour, height 240 mm); Bands red colour, height 150-230 mm each (depending on the height of the ambulance) one on lower part of the vehicle, one on upper part of the vehicle). On the back: On the windows - two international Red Cross symbols (red colour with height of 300 mm and width 300 mm) • The inscriptions are reflective / fluorescent. • **ELECTRICAL REQUIREMENTS** **3.1. Visual and audible warning system** • The ambulance should have both visual and audible warning systems. • The system should allow the necessary information to be transmitted to persons outside the vehicle using a microphone in the driver's cab. • The system should be designed so that the siren only operates when the light bar is in operation. • The various components of the visual warning system should be powered by a main switch that will connect the alarm system to the vehicle's electrical system. • The alarm system should operate even when the engine is off. • The light signals should comply with the technical requirements set out in R 65 ECE-UN. • The front of the ambulance should be equipped with a blue LED strobe light bar, fixed above the driver's cab. This will be visible from the front and sides of the ambulance. A siren speaker with a minimum power of 100W, with variable acoustic signal intensity. • At the rear, the ambulance should be equipped with a blue LED light bar, visible from the rear. It should be activated by a single button, the same as the one for the main light bar. • On each side, at the top of the ambulance, there should be three rectangular blue LED lights with flashing lights. It should be activated by a single button with the main light bar. • Between the main headlights, built into the radiator grille or on the hood, there should be two blue LED lights flashing, facing the front of the vehicle. This should be activated by a single button with the main light bar. • The right side and rear of the ambulance should each have an LED bulb, directed towards the ground at a 45° angle. It should be activated by separate buttons for each group (right side and rear) located in the driver's compartment, as well as when the door is open. • The siren should be activated from the driver's compartment with a general on-off button. It should also include a short warning signal, which is activated by pressing a button (horn). The siren should have a minimum power of 100 W, with variable • acoustic signal intensity. All warning systems, both acoustic and light, should be controlled from a control panel. • The ambulance should have front and rear fog lights installed.	

		3.2. Battery and alternator • The construction of the battery and all its connections shall be designed to prevent short circuits due to carelessness. • The electrical system must be able to store a reserve of electrical energy to restart the engine. The ambulance must have at least one additional battery installed. • Minimum capacity/power (according to EN 1789, as amended). The capacity should be enough to handle seamless operation of all installed equipment for at least 30 minutes. • Starting battery: nominal voltage of 12 V min. 80 Ah. • Additional battery: AGM/gel technology capable of withstanding multiple deep discharges and repeated charges, with a discharge warning system and a nominal voltage of 12 V min. 80 Ah. • Alternator: minimum power 2500 W/12 V; • 12V-220V inverter, minimum power ~~1500~~ **1200** W. **3.3. Electrical system** • The ambulance shall have an external connector with IP44 protection rating, allowing the battery (batteries) and other equipment and medical devices to be charged, the engine to be preheated when stationary, and the patient compartment to be heated. • The 220V connector shall be of the "male" type and shall be installed on the side of the ambulance on the driver's side. Two "female" connectors shall also be supplied, with an attached cable at least 20 m long. • The engine cannot be started while connected to an external 220V power source. • The 220V electrical circuit shall be protected by earthing, ensuring a maximum leakage current of 30mA, or by a separating transformer. If protection is provided only by grounding, there shall be a warning label near the outlet with the inscription: "CAUTION! CONNECT ONLY TO AN AUTHORIZED OUTLET." • The electrical system of the ambulance shall contain at least four separate subsystems, as follows: • Basic system for the unequipped vehicle; • Power supply system for medical devices; • Power supply system for the patient compartment; • Power supply system for communications. • Power outlets for consumers shall be provided as follows: • 12 V outlets for medical devices in the patient compartment - minimum 4 pieces; • 12 V outlets in the driver's cab - minimum 2 pieces; • 220 V sockets for medical devices in the patient compartment - minimum 4 pieces, which shall be powered by a 12V DC - 220V AC inverter with a minimum capacity of ~~1500~~ **1200** W. • Electrical installations shall meet the following requirements: • All circuits in the patient compartment shall have automatic safety devices and/or separate switches designed/provided in the construction; • Switches shall be marked accordingly, and the function of each circuit shall be easily identifiable; • At least two circuits shall be installed so that a fault in the circuits does not shut off all lights or all connected medical devices; • Cables shall withstand more than the maximum load of the fuses or switches by at least 30%; • Cables and conduits must be resistant to vibration. Cables must be installed in conduits. • Cables shall not pass through areas where gaseous substances are used. • Outputs shall not be interchangeable in locations with different voltage systems. **4. VEHICLE BODY** **4.1. Fire safety:** All materials used inside the vehicle must be fire resistant; their burning rate must be a maximum of 100 mm/min. **4.2 Driver's cab:** The cab shall be equipped with the following:	

		• Windshield defrosting/demisting system that operates while the ambulance is moving or stationary. • An exterior windshield washing system. • Ventilation and air conditioning system. • Two sunshades. • A handhold for the accompanying person located near the lower corner of the windshield and a handhold above the entrance door. • A run-lock or similar system that allows the key to be removed from the ignition and the car to be left with all systems active but unable to move. • Airbags for the driver and passengers. • Double passenger seat. • Electrically adjustable and heated rearview mirrors. • Radio, Bluetooth. • Navigation system and corresponding software for the territory of the Republic of Moldova. • Rechargeable and detachable flashlight (battery life min. 2 h 30 min at a light output of min. 1500 lm). **4.3 Minimum load capacity:** **Number of seats (excluding the driver's seat):** • 2 in the front (double bench) with seat belts; • 2 in the rear. The seat installed in the direction of travel shall be equipped with a 3-point seat belt integrated into a 90° swivel seat with a handle and headrest, and the seat installed opposite the direction of travel shall have a 3-point seat belt, handle, and headrest. Both seats must have a weight sensor and a signal for an unfastened seat belt. • The stretcher shall have a seat belt fastening system, including from the head of the stretcher to the patient's shoulders. A set for children must be includ • ed. **4.4 Partition:** • A partition shall separate the driver's compartment from the patient compartment. A sliding window shall be provided in the partition. The window shall allow direct visual contact with the driver. It shall be secured against accidental opening and shall have an opaque curtain or other devices to prevent light from the patient compartment from disturbing the driver. • Wall sections outside the windows above stretcher level (including cabinets and drawer fronts) shall be made of washable, disinfectant-resistant • material. **4.5 Emergency exits:** • In addition to the rear door, there shall be an alternative exit from the patient compartment, allowing for the evacuation of the patient(s) and crew. **4.6 Openings (doors, windows):** There must be at least two exits: • one at the rear (swing doors) • one side exit (door) to the patient compartment. Open position: • Rear doors must open to 250-270°. • All openings shall be equipped with seals to prevent water infiltration. • The loading angle of the stretcher shall be a maximum of 16°. • The ambulance doors shall be equipped with a central locking system. • The exterior doors of the medical compartment shall be equipped with safety devices in accordance with the following requirements: • they shall be opened and closed from the inside without a key; • they shall be opened and closed with a key from the outside, as if they were locked from the inside; • the key may be mechanical or non-mechanical, if there is a central locking system. • There must be at least two exterior windows in the patient compartment, one on the right side and one on the rear. The window on the side shall be a sliding window. • The windows must be positioned so as to ensure patient privacy, and 1/3 of the top of the window will allow a view to the outside. • If the doors in the patient compartment are not completely closed or are open, an audio and visual signal shall alert the driver. **5. PATIENT COMPARTMENT**	

		5.1 General requirements: • The patient compartment must be designed and constructed in such a way as to provide the necessary space for the medical devices mentioned below. • The ceiling, interior walls, and doors of the patient compartment must be made entirely of or covered with washable materials that are resistant to disinfection. • The material used inside the ambulance (patient compartment) must meet the requirements set out in standard EN 1789. • The ambulance compartment must be designed so that 2-4 people can work in an upright position in comfortable conditions. • The edges of surfaces must be designed to prevent the penetration of fluids. If the floor does not allow for the drainage of fluids, one or more drains with plugs must be available. • Open shelves must be designed with rounded edges. Drawers must be secured against accidental opening. • The ambulance must be equipped with a compartment for medicines designed with a safety lock. • The ambulance must be designed with one or more handholds positioned above the support on the longitudinal axis. • There must be two handholds positioned near the patient compartment doors: • one handhold installed on the partition wall near the side door; • the second handhold installed on the side wall near the rear doors. • Access to the medical compartment through the rear doors must be facilitated by a plastic step integrated into the rear bar of the vehicle (solution provided by the chassis manufacturer). • Entry into the medical compartment through the side door must be facilitated by a retractable metal step, operated mechanically or electrically. • Maintenance equipment (e.g., spare wheel or toolbox) shall not be accessible from inside the patient compartment. **Description:** **With regard to the medical compartment from the rear door of the vehicle, the following specifications must be observed:** • The left wall (on the driver's side) shall be used for attaching medical equipment or supports and chargers for portable medical equipment, such as the defibrillator and its attachments, aspirators, oxygen supply system – flow meter, humidifier. All devices installed on the left side wall must be manually accessible and visible to the person sitting in the seat at the head of the stretcher. A cabinet for medical supplies shall be provided. This area will also have a built-in storage compartment for IV fluid • s heated to 37 degrees, equipped with a thermostat, as well as a built-in cooled container (refrigerator or cooled drawer that allows the temperature to be maintained at approximately 4 degrees Celsius) for storing biological material and heat-sensitive medicatio • ns. • On the right side wall, in the upper half of the stretcher, a folding seat shall be attached for the accompanying person, with the possibility of rotating towards the stretcher; the seat belt shall be attached to the seat. Some immobilization eq • uipment should be able to be attached to this wall behind the accompanying person's seat. • The ceiling of the medical compartment shall be used to attach the support for infusions and the holder for two automatic electric syringes. • The partition wall shall be used to attach a folding chair with its back facing the direction of travel. There shall also be a special place in this area for storing the backpack with resuscitation/examination equipment. It will be easily accessible from the outside by opening the side door. This area should also contain a container for sharp objects, a dispenser for d • isinfectants, and a holder for paper towels. • The stretcher holder shall be placed in the middle of the patient compartment with the possibility of sliding left/right. • Two attached oxygen cylinders, each with a capacity of 10 l, shall be placed in a well-defined location in the medical compartment in an area that allows for easy replacement. • Two mobile oxygen cylinders, one with a capacity of 5 l, shall have a special place for attachment to the stretcher, and the other with a capacity of 2 l shall	

		have its own carrying bag. • The wheelchair with patient restraint system shall be installed in the rear, which is easily accessible. • The floor shall be chosen to provide adequate grip for the accompanying person, including when wet; it shall be durable and easy to clean. • The interior of the fully equipped patient compartment shall be designed to minimize the risk of injury. • All lighting, heating, cooling, and ventilation systems shall be centrally controlled via a touch display. **5.2 Compartment dimensions** • Minimum length: 3200 mm, at stretcher level, excluding the length of any cabinets, drawers, and other furniture located near the partition wall. • Minimum height: 1800 mm, in the work area with the stretcher. • Minimum width: • Total, including cabinets - minimum 1700 mm; • Minimum width of usable surface - minimum 1400 mm (according to EN 1789). **5.3 Requirements for the dimensions of seats in the patient compartment:** • Height: 400 mm – 500 mm from the floor • Width: at least 450 mm; • Depth: at least 350 mm; • For the seat backrest: • Height: at least 750 mm; • Width: at least 450 mm. **5.4 Ventilation system:** A ventilation system shall be available to ensure a minimum of 20 air changes per hour in the patient compartment. **5.5 Heating and cooling systems:** • In addition to the driver's cab heating, an independent, adjustable system for heating the air in the patient compartment shall be available. The system shall consist of three separate subsystems: • Hot water heating system from the engine, operational when the engine is running. • Independent heating unit, operational when the engine is running or switched off. • Electric heating radiator, operational when the ambulance is stationary and connected to a 220 V power supply. • These shall be equipped with thermostats so that temperature fluctuations do not exceed ± 3 °C. • The system configuration shall prevent exhaust gas from entering the patient compartment. • In addition to the heating system, an air cooling system (air conditioning) shall be available, which shall serve the patient compartment separately. **5.6 Interior lighting:** • LED lighting in the patient compartment (balanced, natural light): • Patient area: minimum 300 lx (adjustable); • Surrounding areas: minimum 50 lx. • There will also be additional blue ambient lighting. **5.7 Interior noise level:** • Depending on the speed of travel, the interior noise level will comply with current European regulations (in accordance with EN 1789). **5.8 Infusion support system:** • A support for mounting two automatic electric syringes, located on the ceiling, will be provided with a power source in the immediate vicinity. Placed in such a way as to be easily maneuverable by staff but at the same time not to present an impediment when working on the patient. • A foldable infusion support, mounted on the ceiling, will be equipped to support two or three vertically attached infusions and capable of maintaining their balance. The support should make maximum use of the vehicle's height	

		abov • e the stretcher. • The support system shall have a minimum capacity of 5 kg and shall be capable of supporting three fluid bags, independently of each other (in accordance with EN 1789). • On the left side wall, near the electrical and oxygen outlets, a bar of sufficient length shall be installed to mount the necessary devices. **5.9 Systems for securing/attaching equipment in the patient compartment (EN 1789 and subsequent amendments)** • Without exception, all materials, such as medical devices, equipment, and objects that are commonly found in an ambulance, must be secured so that they cannot be projected when subjected to a force of minimum 10g (gravity) horizontally and vertically. • The distance covered by materials when subjected to a force must not endanger the safety of persons in the ambulance. • If subjected to these forces, then: • no object shall have sharp edges that would endanger the safety of persons in the ambulance; • the maximum displacement of the support or any other attached component and the fastening system shall not exceed 150 mm. **6. MEDICAL DEVICES AND EQUIPMENT** **6.1. Medical device equipment** • The ambulance shall be designed and constructed to ensure: • Assisted transport in conditions of maximum safety for the patient and staff; • The placement and attachment of medical devices. **6.2. Storage of medical equipment** • All equipment necessary for performing standard procedures must be stored in a place specially designed for this purpose. • Basic equipment necessary for intervention outside the vehicle must be easily accessible through the ambulance doors. • All equipment shall be stored safely, using a fastening system to prevent impact/trauma during vehicle movement. **6.3. Requirements for medical devices** **General requirements:** • The equipment shall be designed for use both when the ambulance is in motion and when used in the field. • If the equipment is designed to be "portable" (except for patient transport equipment), it must be able to: • Be carried by a single person; • Have its own power source, be self-contained, and be charged in the vehicle while the vehicle is moving or stationary. • Be used outside the vehicle independently. • Temperature: • In the absence of other markings on the device, it must be able to operate within a temperature range of -5 °C to + 40 °C. • In the absence of other markings on the device, it must be able to operate for at least 20 minutes when at a temperature of -5°C. Attachment of equipment: • It shall be attached inside the vehicle. • The fastening system must withstand accelerations of 10 G. • Electrical terminals and sockets shall not be part of the equipment fastening system. • Electrical safety: • All equipment must be selected and installed so as not to damage equipment that uses electricity. • User interface: • Buttons, switches, indicators, and control panels must be easily accessible. • Maintenance: • The manufacturer shall provide user and maintenance manuals in Russian and English.	

7. LIST OF EQUIPMENT

7.1 Equipment for patient handling and immobilization:

Hydraulic support for main stretcher - 1 pc.

- Functionality and movements:
- The stretcher support shall be equipped with an electrically controlled hydraulic system that allows:
- changing the position to Trendelenburg and anti-Trendelenburg;
- lifting and locking the stretcher to allow cardiac massage or other medical procedures.
- The system shall have its own suspension telescopes, which will operate when the stretcher is lifted, without requiring it to be locked.
- Location and mobility:
- The stretcher support shall be located in the middle of the patient compartment with the possibility of sliding left/right.
- It shall allow left-right sliding, ensuring access for medical personnel from all sides.
- Loading/unloading maneuvers:
- The support will be able to slide backwards to facilitate the loading and unloading of the stretcher from the ambulance.
- It will allow for electrically adjustable tilting up to a maximum angle of 16°.
- Operating controls:
- The tilt control will be located at the rear end of the support.
- The rest of the controls will be located either in the patient's head area or on the side wall of the ambulance, depending on the design solution.

Main stretcher/transport system - 1 pc.
The stretcher shall comply with the requirements of standard EN 1865-1:2010 + A1:2015.

- Structure and functionality:
- The system shall consist of two detachable parts: stretcher and trolley.
- Equipped with a self-loading system.
- The trolley legs will release automatically when the stretcher is unloaded from the ambulance.
- Adjustable height, with the possibility of adjustment in at least 7 positions.
- Low weight, maximum 50 kg trolley (without stretcher).
- Anatomical mattress, made of resistant, easily disinfectable material.
- Trendelenburg and anti-Trendelenburg positions when the stretcher is on its own wheels.
- Complete safety belt system for adults and children, including over the patient's shoulders.
- Foldable infusion stand.
- Foldable side handles.
- Minimum 2 swivel wheels, with locking option.
- Minimum 2 adjustable crossbars for the stretcher.
- Control system for folding the front/rear legs of the trolley.
- Made of materials that are easy to maintain and disinfect.
- The stretcher and trolley must support a minimum weight of 250 kg (both separately and combined, including when on wheels).

Adjustable rigid aluminum scoop stretcher:

- Length adjustable in at least 3 steps for patients of different heights.
- Foldable.
- With patient restraint straps.

Head immobilization device – 1 pc.

- Made of dense plastic with large holes for patient monitoring, waterproof, easy to clean and disinfect.

Vacuum mattress – 1 pc.:

- Includes pump and repair kit.
- The pump shall be capable of reducing the pressure by 500 h/Pa in a maximum of 4 minutes.

		• Minimum vacuum mattress width 80 cm • With handles for transport. • With patient restraint straps. • Other parameters in accordance with EN 1865 standard. **Wheelchair and patient restraint system - 1 pc.** • Supports patient weight up to 170 kg. • Four wheels, two of which have a braking system. • Attached to one of the rear doors of the ambulance. • The backrest and footrest surfaces are easy to remove. • Maximum weight of the chair 10 kg. **Adult and pediatric cervical collars for cervical immobilization:** • Must allow for intubation, tracheotomy access, and safe medical maneuvers. • The set, consisting of 6 pieces in total, shall be delivered: 4 adjustable pieces for adults and 2 pediatric pieces, with a carrying bag. **Adjustable belt (sling) for pelvic immobilization – 2 pc.** **7.2 Resuscitation equipment/devices – respiration (minimum requirements)** **Fixed oxygen installation:** • Two 10-liter oxygen cylinders: • Pressure reducers equipped with pressure gauges for each cylinder. • 2 standard DIN quick connectors for respiratory assistance devices, attached to the left side wall. • Flow meter with a maximum capacity of 15 L/min, with control valve, humidifier, tube, and face mask. **Portable oxygen:** • 5-liter cylinder with a carrying bag, with a place for placement and fixation in the ambulance, with a pressure reducer with a quick connector (DIN standard) for connecting the lung ventilator, with a flow meter, with a maximum capacity of at least 15 l/min, with a control valve, tube, and face mask – 1 piece. • 2-liter cylinder with a carrying bag, with a place for placement and fastening in the ambulance, with a pressure reducer with flow meter, with a maximum capacity of at least 15 l/min, with a control v • alve, tube, and face mask – 1 pc. **Aspirator – portable, electric, equipped with a carrying case and a power supply and mounting system for use in an ambulance – 1 unit:** • Resistant to drops, impacts, water, and disinfectants; • Features a built-in vacuum regulator; • Robust, portable, compact; • Electric operation powered by a built-in battery; • Continuous operation mode, powered by the built-in battery or connected to a power source; • Battery runtime of at least 60 minutes; • Power supply: 220V, 12V with adapter; • Maximum suction airflow: 30 L/min; minimum pressure: 600 mmHg; • Minimum capacity of the reusable reservoir – 1 L; • Alarm and monitoring system for battery status and connection to the power supply; • Supplied in a kit with a 12 V connection cable, 1 reusable silicone tube 1.5–2 m long, and at least 5 antibacterial filters. **Emergency and transport ventilator – 1 unit** **Installation and power supply:** • The ventilator will be mounted on a removable bracket, positioned on the left side wall, near the patient's head. • 12 V DC (direct current) power supply. • Connection to the ambulance's oxygen system via a standard DIN quick-connect coupling, installed next to the ventilator mount. • The same connection hose can also be used to connect to a portable oxygen cylinder.	

		• Display and parameters • The ventilator will be equipped with a display that allows respiratory parameters to be displayed both numerically and graphically. • Ventilation features • Controlled and assisted ventilation, as well as support for spontaneous breathing in adult and pediatric patients (starting from a minimum weight of 5 kg). • Invasive and non-invasive ventilation modes, pressure- and volume-controlled, including at least: • SIMV • IPPV • CPAP • BIPAP • Adjustment of the oxygen fraction in the inspired air to a minimum of 100% and 50%. • PEEP adjustable between 0–20 mbar. • Backup power supply • The ventilator shall be equipped with a built-in battery, ensuring a minimum operating time of 4 hours on a full charge. • Alarm systems • The ventilator shall have minimum alarms for: • High/low pressures in the patient circuit. • Apnea. • Obstruction. • Gas supply pressures outside limits. • Low battery. • Required accessories • Test bag • A carrying case that allows the ventilator to be used and the patient to be treated outside the ambulance. **7.3 Monitoring/Defibrillation/Diagnostic Equipment** **Defibrillator/Monitor – 1 unit** • Biphasic defibrillation for adults and children; • Minimum IP 55 ingress protection. • Manual external defibrillator • Availability of semi-automatic mode • Display and audio in Russian and English (by switching); • External pacing; • Monitoring: 3-lead ECG, capnography, pulse oximetry, non-invasive blood pressure, and a display showing parameters; capnometry. • 12-lead diagnostic ECG; • Adult/pediatric pulse oximetry, with a reusable finger sensor, supplied with 50 single-use sensors for each patient type. • Non-invasive blood pressure – at least 3 different cuff sizes must be supplied (adult, pediatric, and obese); • Battery charging from 220 V and 12 V AC networks • The defibrillator must be capable of charging directly from the ambulance's 12 V DC power source (without the use of converters) in the wall mount. Connection to and disconnection from the device's 12 V power source shall occur automatically upon insertion of the device into the mount; • The monitor must operate on rechargeable batteries with a minimum runtime of 6 hours; • The defibrillator must be equipped with a print module, integrated directly into the device; • Must to possess an in-built monitor, HD colour of minimum 7 inches. • Must allow displaying and visual supervision: ECG route, Pacemaker detection, AED mode, SpO2 values, noninvasive blood pressure, battery status, alarm status, day, date, must to count and record each defibrillation shock. • Must possess a fast and safe access to menu for the options and the shocks power. • Operating time: Defibrillator/pacemaker mode: approx. 200 shocks at 200	

		joules. • User-accessible monitoring history • The defibrillator will also be supplied with a dedicated carrying case with a shoulder strap, specially compartmentalized for the storage/transport of all cables (pre-assembled) and necessary accessories, including reusable defibrillation pads for adults and children. • Energy output from 5 to 200 joules, configurable protocol, rapid operation. • Single-use defibrillation and pacing electrodes: minimum 20 for adults and 10 for children • Adapters/sensors for CO_2 monitoring: minimum 25 • Printer paper: minimum 10 rolls • Single-use ECG electrodes: 300 **ECG device with bag for transport:** Technical description: • Built-in color LCD screen, available to display 3,6,12 leads. • Multiple linguistic support (Russian and English). • ECG wave preview, self-diagnosis and the possibility to print the results. • To possess a software compatible with PC. • The doctor must to be able to visualize the ECG wave sent from the ambulance to the hospital`s PC station. • USB flash disk – for recording data and back-up. • ~~To possess the calibration system.~~ • Availability of detection and protection systems from the cardiac stimulator and the shock defibrillator. • Functions for Auto Measure and Auto Diagnosis. • Simultaneous recording on 3 channels, amplification and recording. • Built-in thermal printer. • ECG wave editing, receiving, recording speed, patient information and report regarding the performed measurements. • AC and DC power supply. • Rechargeable battery with lithium-ion battery, minimum 2 hours of continuous operation. • Internal memory for 300 ECG waves. • Built-in SD card **or USB** of 2 GB, which allows to record over 10000 ECG waves. • Online update software available **on request.** • Automatic measurement and interpretation, automatic testing, verification of the acquisition channels format3×4, 3×4+1R, 3×4+3R, 6×2, 6×2+1R, 12×1, 12×1+T. • The selectable working modes: manually / automatic / rhythm function. • Notify the connection error of the cables or positioning / detachment of the measuring electrode. • High precision digital filters. • Built-in Wi-Fi mode (2.4 CHz band frequency) that allows the online transmission of ECG waves. • ECG recording channels: standard 3, 6, 12 channels. • Accuracy ±2%. • Calibration Voltage - 1mV ± 1%. • Input Impedance 50MΩ. • Circuit Input Current< 50nA. • Stabilization of the reference base – automatic. • Input / external output: • Input ≥100 KΩ sensitivity10mm/V ±5%; • Output: ≤100Ω, sensitivity 1V/mV ±5%. • Recording speed 25 mm /s 50 mm/s. • Delivered accessories: • supply cable-1pice; • patient cable-1 piece; • reusable chest electrodes of pear type-6 pieces;	

		• clips type reusable electrodes for extremity- 4 pieces; • printer paper-5 rolls of paper minimum; • ~~grounding cable-1 piece;~~ • ~~Fuses-2 pieces;~~ • PC connection cable-1 piece; • Supply cables: AC-1 piece and DC-1 piece. • User guide in Russian and English. • The weight of the device is maximum 3,5 kg together with the transport bag. **Automatic electric syringe with built-in battery - 2 pieces** **Technical description:** • Digital control for maximum precision and safety; • Compatible with 10 ml, 20 ml, 30 ml, and 50/60 ml syringes, with automatic syringe recognition to accommodate syringes from different manufacturers; • Capable of automatically calculating the flow rate after entering the infusion volume and administration time; • Allows for bolus infusion on demand, with a preselected volume and an accuracy of at least ±2%; • Includes dose calculation; • Features a medication library; • Infusion rate is 0.1–100 ml/hour. • Monitoring system for: • Battery status; • Connection to the main power source (12 V DC or 220 V AC); • Occlusion pressure level; • Preselected time; • Operating status; • Unit of measurement for dosage/flow rate; • Infused volume; • Time remaining. • Alarm system: • Preset alarm in case of occlusion or pressure exceeding limits; • Alarm for incorrect insertion of infusion solutions; • Device malfunction; • When the alarm is triggered, the injector will automatically stop. • Delivery configuration: • Electric syringe; • Rechargeable Li-ion battery; • With ceiling-mounting mechanism directly above the patient; • AC power cord - 1 pc.; • Syringe kit for startup and calibration. • **Portable Pulse Oximeter** Description: • Device which non-invasively measures the oxygen level (oxygen saturation) in the capillary blood and heart frequency by using the photometric method; • The heart rate is calculated automatically and is displayed based on the performed measurements; • The pulse oximeter must to insure a high reading accuracy regardless of the patient's type, the skin's condition, even in the conditions of repetitive movements of the arm on which the sensor is mounted or if the infusion flow is low. • Parameters: • Compact, portable device, which will be used in the emergency service/ambulance. • Resistant to falls, hits, shock, scratches. • The possibility to be attached in the ambulance, mechanism of attachment included. • Visual and audio alarms. • Audio signal: sensor off, sliding sensor, battery discharge. • The setting of alarm limits. • The total recording time in the memory of 72 hours. • Supply from the battery - accumulator with a lifetime of minimum 60 hours.	

		• ~~Weight maximum 200 g (without batteries).~~ **Weight maximum 300 g (with batteries)**. • Operation temperature ~~-20~~ **0** ˚C - +50 ˚C. • Relative humidity of 15 - 90%. • Patient type: • adult; • child; • newborn. • Sensor SpO2: • Reusable separately, with the possibility of automatic replacement and recognition; • Equipped for utilization with reusable sensors as well as with disposable sensors. • Displays: • LSD or TFT screen, colour minimum ~~2,8~~ **2,4** inches. • Pulse value – yes. • SpO2 wave – yes. • Signal power – yes. • Battery level – yes. • Error message – yes. • SpO2 criteria: • Measurement area 1-100%. • Measurement accuracy ±2%. • Heart rate (HR). • Measurement interval 30-235 beats/min. • Measurement stage 1 beats/min. • Alarms: • Audio and visual. • SpO2 : high level and low level. • Pulse: high level and low level. • Disconnected sensor. • Discharge of the battery. • Stopping of alarm. • To possess the following functions: • Manual or automatic reactivation method. • Volume control. • Self-testing. Delivery: • Internal battery – yes. • Rechargeable with charger – yes. Accessories and consumables: • SpO2 reusable sensor, adult - 1 piece. • SpO2 reusable sensor, child - 1 piece. • SpO2 disposable, adult - 50 pieces. • SpO2 disposable sensor, child - 50 pieces. User guide (in Russian and English). **Pressurized IV drip stand – 1 unit** **IV drip holder – 1 unit** • Mounted on the ceiling of the ambulance, without a swing arm • Minimum of 3 IV bags and bottles • Mounted outside the stretcher holder **7.4 Medical supplies (minimum requirements):** • Mattress with handles for patient transfer, made of washable material, with a minimum width of ~~90~~ **76** cm – 1 piece. • Bag/backpack for portable equipment, made of waterproof, easy-to-clean fabric, with reflective strips; equipped with a spacious compartment, divided by removable dividers. On the outside, it has 2 side pockets and 1 front pocket, handles with supports, and a shoulder strap with an adjustable support. Contents: • AMBU bag (1 adult, 1 child) with 3 masks (1 adult, 1 child, 1 newborn); • Oropharyngeal airway kit, minimum 6 sizes;	

		• Tracheoesophageal double lumen tube (Combitube) 41 Fr – 1 unit and 37 Fr - – 1 unit • Reusable laryngoscope with blades of various sizes for adults and children – 1 set; • Magill forceps in 2 sizes (adult and child) – 1 set; • Manual mechanical suction device – 1 unit; • Blood pressure cuff with stethoscope – 1 unit; • Manual hemostatic tourniquet – 1 unit; • Rechargeable 1-liter oxygen cylinder with regulator and flowmeter - 1 unit. **The sets mentioned above will be mounted in a location where they are easily accessible, without obstructing the workspace around the patient. Their placement will be discussed with the buyer prior to their final installation in the patient compartment.** **7.5 Auxiliary materials and devices:** • Seatbelt cutter with a window-breaking hammer **(could be 2in1 unit)** – 2 units (1 unit installed in the driver's cab and 1 unit installed in the patient compartment). • Medical "safety scissors" – 1 unit. • Reflective triangle – 2 pcs. • Portable flashlight with rechargeable battery via 12V or 220V outlet – 1 pc. • 2-liter fire extinguisher – 2 pcs. • Set of rubber mats in the driver's cab. • Towing strap (with a minimum towing capacity of 5,000 kg) • Set of snow chains • Vehicle owner's manual in Russian and English. **8. WARRANTY** All equipment must be covered by a warranty of at least 36 months from the date of signature of the acceptance document. The vehicle must be covered by a warranty certificate of at least 200,000 km or 24 months (whichever comes first), that would allow servicing of the vehicle in Republic of Moldova. **9. SERVICE AND MAINTENANCE** All bidders shall ensure the availability of the necessary technical facilities for servicing both ambulances and medical equipment, in accordance with the manufacturer's general warranty terms and user manual. Maximum response time for technical service: 48 hours from the time of the request. Maximum duration of corrective measures: 72 hours in total. Technical servicing and routine repairs will be performed on a priority basis. The winning contractor will provide technical servicing and maintenance of ambulances, ensuring corrective measures (repairs) within 14 calendar days, regardless of the type of repair(s). Temporary replacement of equipment must be provided in accordance with the periods mentioned above. During the warranty period, upon the user's reasonable request, the repair, adjustment, and maintenance of medical equipment and vehicles, in accordance with the specifications in the manufacturer's manuals, shall be performed free of charge. Parts and labor are free of charge, except for vehicle consumables as specified by the manufacturer. **10. AVAILABILITY OF SPARE PARTS** Each bidder assumes, on its own responsibility, the availability of spare parts, accessories, and consumables for all items offered on the Moldovan market, either free of charge or for a fee, as follows: spare parts free of charge, including installation during the warranty period. For the remainder of the period—for a fee. **11. MANUALS** A technical manual and a user manual are required. All manuals shall be available in Russian and English. **12. TRAINING** Upon delivery, the bidder shall ensure the training of technical and medical personnel for the ambulances (vehicles and equipment) and shall provide theoretical and practical	

		training for the professional staff of the ambulance medical teams to ensure they possess the necessary knowledge and skills. **13. REGISTRATION** The seller shall provide the buyer with the complete set of documents and paperwork required for vehicle registration. **14. DELIVERY** The ambulance will be delivered on a DDP basis, in accordance with INCOTERMS 2020. The ambulance will be delivered as a fully functional unit (fully equipped ambulance), with a detailed specification of the equipment and devices it contains, in accordance with the delivery/acceptance certificate. The cost of the bid includes: the devices, packaging and transportation to the buyer's premises, installation and commissioning, technical training in operation and maintenance, and training of medical personnel. The cost of consumables, spare parts, and periodic maintenance during the warranty period shall be in accordance with the terms of reference. **15.** When submitting bids, bidders shall provide a catalog with color photographs and/or sketches that accurately depict the configuration specified in the terms of reference. **16.** The requirements set forth in the terms of reference (technical specifications) are considered mandatory.	
2	**Type B 4x4 Emergency Ambulance**	**Schedule of Requirements and Technical Specifications** **Type B 4x4 EMERGENCY AMBULANCE** • **GENERAL REQUIREMENTS** The ambulance meets the normative requirements for the special vehicles: by type B 4x4 ambulance, it is understood an ambulance of emergency medical service. **1.1.Norms and standards** The applied legislation for the elaboration of technical specifications: •European Norm EN 1789/2007, A2 edition with regard to medical vehicles and equipment with subsequent amendments; •The medical devices meets the requirements foreseen in the European Directive 93/42/CEE regarding medical devices; •The medical devices fully corresponds to EN 1865 (specifications for stretchers and other equipment for transporting patients by ambulances), when other indications are not given. •The medical devices possess the following: a) declaration of conformity to the European Communities requirements issued by the manufacturer for the produced medical device; b) declaration of conformity to the European Communities requirements in force for produced devices, where appropriate; •The manufacturers of medical devices follow the quality standard ISO 9001/2008 (quality management system) with subsequent amendments. **1.2 Type of the car's body** • The ambulance shall be built from a single piece of van type with an integrated cabin (added containers or compartments for patients are not allowed). The roof-superstructure made of plastic is not accepted. • Ground clearance minimum ~~200~~ **170** mm (not including spare wheel); • Overall dimensions L x W x H: •Length: maximum 6500 mm; minimum 5200 mm •Width: maximum 2200 mm (not including mirrors); minimum 1900 mm (not including mirrors) • Height: maximum 3000 mm (measured at net weight and without antenna or flashing light/light signaling equipment) • Wheel Base – not ~~more~~ **less** than 3400 mm • **The vehicle should be new, year of production – not earlier than 2025** **2.PERFORMANCES** **2.1 Engine:**	**1**

		• cylinder capacity 2000 cm3 ±5%; • fuel: diesel; • Euro 6; • minimum 170 HP±5%; • The engine provides sufficient power for the ambulance, loaded to its maximum permissible capacity, to accelerate from 0 km/h to 80 km/h in 30 seconds. • Metal protection under the powertrain, at least in the oil pan area. **2.2 Security systems:** • **Anti-lock braking system (ABS) with electronic system, according to the** standards of the automobile industry. • Electronic Stability Program (ESP). • Power steering (hydraulic, electro-hydraulic, or fully electric) • Front and rear parking assist control, audible, visual, or combined. • Steering wheel with 2-way adjustable column, height and depth, and steering wheel controls. **2.3 Traction:** • Manual gearbox (6+1 speed) or automatic gearbox. • The ambulance has 4x4 traction. • The ambulance is equipped with steel wheels, winter/summer tires according to the season of delivery and a spare wheel which will be equipped with a tire for the season in which the ambulance will be delivered, **2.4 External appearance:** The ambulance is in white colour with the following inscriptions and hallmarks: On the front: • ”AMBULANCE”, printed reversed (red colour with a height of 150mm); the international Red Cross symbol (red colour with height of 300 mm and width 300 mm). On the both sides of the car body: - the international Red Cross symbol (red colour with height of 300 mm and width 300 mm) ”СКОРАЯ МЕДИЦИНСКАЯ ПОМОЩЬ” (red colour with a height of 150mm); Unique number „103” (red colour, height 240 mm); Bands (red colour, height 150-230 mm each (depending on the height of the ambulance)). On the back: On the windows - two international Red Cross symbols (red colour with height of 300 mm and width 300 mm) • The inscriptions are reflective / fluorescent. • **ELECTRICAL REQUIREMENTS** **3.1. Visual and audible warning system** • The ambulance should have both visual and audible warning systems. • The system should allow the necessary information to be transmitted to persons outside the vehicle using a microphone in the driver's cab. • The system should be designed so that the siren only operates when the light bar is in operation. • The various components of the visual warning system should be powered by a main switch that will connect the alarm system to the vehicle's electrical system. • The alarm system should operate even when the engine is off. • The light signals should comply with the technical requirements set out in R 65 ECE-UN. • The front of the ambulance should be equipped with a blue LED strobe light bar, fixed above the driver's cab. This will be visible from the front and sides of the ambulance. A siren speaker with a minimum power of 100W, with variable acoustic signal intensity. • At the rear, the ambulance should be equipped with a blue LED light bar, visible from the rear. It should be activated by a single button, the same as the one for the main light bar. • On each side, at the top of the ambulance, there should be three rectangular	

		blue LED lights with flashing lights. It should be activated by a single button with the main light bar. • Between the main headlights, built into the radiator grille or on the hood, there should be two blue LED lights flashing, facing the front of the vehicle. This should be activated by a single button with the main light bar. • The right side and rear of the ambulance should each have an LED bulb, directed towards the ground at a 45° angle. It should be activated by separate buttons for each group (right side and rear) located in the driver's compartment, as well as when the door is open. • The siren should be activated from the driver's compartment with a general on-off button. It should also include a short warning signal, which is activated by pressing a button (horn). The siren should have a minimum power of 100 W, with variable • acoustic signal intensity. All warning systems, both acoustic and light, should be controlled from a control panel. • The ambulance should have front and rear fog lights installed. **3.2. Battery and alternator** • The construction of the battery and all its connections shall be designed to prevent short circuits due to carelessness. • The electrical system must be able to store a reserve of electrical energy to restart the engine. The ambulance must have at least one additional battery installed. • Minimum capacity/power (according to EN 1789, as amended). • Starting battery: nominal voltage of 12 V min. 80 Ah. • Additional battery: AGM/gel technology capable of withstanding multiple deep discharges and repeated charges, with a discharge warning system and a nominal voltage of 12 V min. 80 Ah. • Alternator: minimum power 1500 W/12 V; • 12V-220V inverter, minimum power ~~1500~~ **1200** W. **3.3. Electrical system** • The ambulance shall have an external connector with IP44 protection rating, allowing the battery (batteries) and other equipment and medical devices to be charged, the engine to be preheated when stationary, and the patient compartment to be heated. • The 220V connector shall be of the "male" type and shall be installed on the side of the ambulance on the driver's side. Two "female" connectors shall also be supplied, with an attached cable at least 20 m long. • The engine cannot be started while connected to an external 220V power source. • The electrical system of the ambulance shall contain at least four separate subsystems, as follows: • Basic system for the unequipped vehicle; • Power supply system for medical devices; • Power supply system for the patient compartment; • Power supply system for communications. • Power outlets for consumers shall be provided as follows: • 12 V outlets for medical devices in the patient compartment - minimum 4 pieces; • 12 V outlets in the driver's cab - minimum 2 pieces; • 220 V sockets for medical devices in the patient compartment - minimum 4 pieces, which shall be powered by a 12V DC - 220V AC inverter with a minimum capacity of ~~1500~~ **1200** W. • Electrical installations shall meet the following requirements: • All circuits in the patient compartment shall have automatic safety devices and/or separate switches designed/provided in the construction; • Switches shall be marked accordingly, and the function of each circuit shall be easily identifiable; • At least two circuits shall be installed so that a fault in the circuits does not shut off all lights or all connected medical devices; • Cables shall withstand more than the maximum load of the fuses or switches by at least 30%; • Cables and conduits must be resistant to vibration. Cables must be installed in conduits.	

		• Cables shall not pass through areas where gaseous substances are used. • Outputs shall not be interchangeable in locations with different voltage systems. **4. VEHICLE BODY** **4.1. Fire safety:** All materials used inside the vehicle must be fire resistant; their burning rate must be a maximum of 100 mm/min. **4.2 Driver's cab:** The cab shall be equipped with the following: • Windshield defrosting/demisting system that operates while the ambulance is moving or stationary. • An exterior windshield washing system. • Ventilation and air conditioning system. • Two sunshades. • A handhold for the accompanying person located near the lower corner of the windshield and a handhold above the entrance door. • A run-lock or similar system that allows the key to be removed from the ignition and the car to be left with all systems active but unable to move. • Airbags for the driver and passengers. • Double passenger seat. • Electrically adjustable and heated rearview mirrors. • Radio, Bluetooth. • Navigation system and corresponding software for the territory of the Republic of Moldova. • Rechargeable and detachable flashlight (battery life min. 2 h 30 min at a light output of min. 1500 lm). **4.3 Minimum load capacity:** Number of seats (excluding the driver's seat): • 2 in the front (double bench) with seat belts; • 2 in the rear. The seat installed in the direction of travel shall be equipped with a 3-point seat belt integrated into a 90° swivel seat with a handle and headrest, and the seat installed opposite the direction of travel shall have a 2-point seat belt, handle, and headrest. Both seats must have a weight sensor and a signal for an unfastened seat belt. • The stretcher shall have a seat belt fastening system, including from the head of the stretcher to the patient's shoulders. A set for children must be includ • ed. **4.4 Partition:** • A partition shall separate the driver's compartment from the patient compartment. A sliding window shall be provided in the partition. The window shall allow direct visual contact with the driver. It shall be secured against accidental opening and shall have an opaque curtain or other devices to prevent light from the patient compartment from disturbing the driver. • Wall sections outside the windows above stretcher level (including cabinets and drawer fronts) shall be made of washable, disinfectant-resistant • material. **4.5 Emergency exits:** • In addition to the rear door, there shall be an alternative exit from the patient compartment, allowing for the evacuation of the patient(s) and crew. **4.6 Openings (doors, windows):** There must be at least two exits: • one at the rear (swing doors) • one side exit (door) to the patient compartment. **Open position:** • Rear doors must open to 250-270°. • All openings shall be equipped with seals to prevent water infiltration. • The loading angle of the stretcher shall be a maximum of 16°. • The ambulance doors shall be equipped with a central locking system.	

		• The exterior doors of the medical compartment shall be equipped with safety devices in accordance with the following requirements: • they shall be opened and closed from the inside without a key; • they shall be opened and closed with a key from the outside, as if they were locked from the inside; • the key may be mechanical or non-mechanical, if there is a central locking system. • There must be at least two exterior windows in the patient compartment, one on the right side and one on the rear. The window on the side shall be a sliding window. • The windows must be positioned so as to ensure patient privacy, and 1/3 of the top of the window will allow a view to the outside. • If the doors in the patient compartment are not completely closed or are open, an audio and visual signal shall alert the driver. **5. PATIENT COMPARTMENT** **5.1 General requirements:** • The patient compartment must be designed and constructed in such a way as to provide the necessary space for the medical devices mentioned below. • The ceiling, interior walls, and doors of the patient compartment must be made entirely of or covered with washable materials that are resistant to disinfection. • The material used inside the ambulance (patient compartment) must meet the requirements set out in standard EN 1789. • The ambulance compartment must be designed so that 2-4 people can work in an upright position in comfortable conditions. • The edges of surfaces must be designed to prevent the penetration of fluids. If the floor does not allow for the drainage of fluids, one or more drains with plugs must be available. • Open shelves must be designed with rounded edges. Drawers must be secured against accidental opening. • The ambulance must be equipped with a compartment for medicines designed with a safety lock. • The ambulance must be designed with one or more handholds positioned above the support on the longitudinal axis. • There must be two handholds positioned near the patient compartment doors: • one handhold installed on the partition wall near the side door; • the second handhold installed on the side wall near the rear doors. • Access to the medical compartment through the rear doors must be facilitated by a plastic step integrated into the rear bar of the vehicle. • Entry into the medical compartment through the side door must be facilitated by a retractable metal step, operated mechanically or electrically. • Maintenance equipment (e.g., spare wheel or toolbox) shall not be accessible from inside the patient compartment. **Description:** With regard to the medical compartment from the rear door of the vehicle, the following specifications must be observed: • The left wall (on the driver's side) shall be used for attaching medical equipment or supports and chargers for portable medical equipment, such as the defibrillator and its attachments, aspirators, oxygen supply system – flow meter, humidifier. All devices installed on the left side wall must be manually accessible and visible to the person sitting in the seat at the head of the stretche • r. A cabinet for medical supplies shall be provided. This area will also have a built-in storage compartment for IV fluid • s heated to 37 degrees, equipped with a thermostat, as well as a built-in cooled container (refrigerator or cooled drawer that allows the temperature to be maintained at approximately 4 degrees Celsius) for storing biological material and heat-sensitive medications. • On the right side wall, in the upper half of the stretcher, a folding seat shall be attached for the accompanying person, with the possibility of rotating towards the stretcher; the seat belt shall be attached to the seat. Some immobilization eq • uipment should be able to be attached to this wall behind the accompanying person's seat.	

		• The ceiling of the medical compartment shall be used to attach the support for infusions. • The partition wall shall be used to attach a folding chair with its back facing the direction of travel. There shall also be a special place in this area for storing the backpack with resuscitation/examination equipment. It will be easily accessible from the outside by opening the side door. This area should also contain a container for sharp objects, a dispenser for disinfectants, and a holder for paper towels. • The stretcher holder shall be placed in the middle of the patient compartment with the possibili • ty of sliding left/right. • Two attached oxygen cylinders, each with a capacity of 10 l, shall be placed in a well-defined location in the medical compartment in an area that allows for easy replacement. • Two mobile oxygen cylinders, one with a capacity of 5 l, shall have a special place for attachment to the stretcher, and the other with a capacity of 2 l shall have its own carrying bag. • The wheelchair with patient restraint system shall be installed in the rear, which is easily accessible. • The floor shall be chosen to provide adequate grip for the accompanying person, including when wet; it shall be durable and easy to clean. • The interior of the fully equipped patient compartment shall be designed to minimize the risk of injury. • All lighting, heating, cooling, and ventilation systems shall be centrally controlled. **5.2 Compartment dimensions** • Minimum length: 3200 mm, at stretcher level, excluding the length of any cabinets, drawers, and other furniture located near the partition wall. • Minimum height: 1800 mm, in the work area with the stretcher. • Minimum width: • Total, including cabinets - minimum 1700 mm; • Minimum width of usable surface - minimum 1400 mm (according to EN 1789). **5.3 Requirements for the dimensions of seats in the patient compartment:** • Height: 400 mm – 500 mm from the floor • Width: at least 450 mm; • Depth: at least 350 mm; • For the seat backrest: • Height: at least 750 mm; • Width: at least 450 mm. **5.4 Ventilation system:** **A ventilation system shall be available to ensure a minimum of 20 air changes per hour in the patient compartment.** **5.5 Heating and cooling systems:** • In addition to the driver's cab heating, an independent, adjustable system for heating the air in the patient compartment shall be available. The system shall consist of two separate subsystems: • Independent heating unit, operational when the engine is running or switched off. • Electric heating radiator, operational when the ambulance is stationary and connected to a 220 V power supply. • These shall be equipped with thermostats so that temperature fluctuations do not exceed ± 3 °C. • The system configuration shall prevent exhaust gas from entering the patient compartment. • In addition to the heating system, an air cooling system (air conditioning) shall be available, which shall serve the patient compartment separately. **5.6 Interior lighting:** • LED lighting in the patient compartment (balanced, natural light): • Patient area: minimum 300 lx (adjustable); • Surrounding areas: minimum 50 lx.	

5.7 Interior noise level:

- Depending on the speed of travel, the interior noise level will comply with current European regulations (in accordance with EN 1789).

5.8 Infusion support system:

- A foldable infusion support, mounted on the ceiling, will be equipped to support two or three vertically attached infusions and capable of maintaining their balance. The support should make maximum use of the vehicle's height above the stretcher.
- The support system shall have a minimum capacity of 5 kg and shall be capable of supporting three fluid bags, independently of each other (in accordance with EN 1789).
- On the left side wall, near the electrical and oxygen outlets, a bar of sufficient length shall be installed to mount the necessary devices.

5.9 Systems for securing/attaching equipment in the patient compartment (EN 1789 and subsequent amendments)

- Without exception, all materials, such as medical devices, equipment, and objects that are commonly found in an ambulance, must be secured so that they cannot be projected when subjected to a force of minimum 10g (gravity) horizontally and vertically.
- The distance covered by materials when subjected to a force must not endanger the safety of persons in the ambulance.
- If subjected to these forces, then:
- no object shall have sharp edges that would endanger the safety of persons in the ambulance;
- the maximum displacement of the support or any other attached component and the fastening system shall not exceed 150 mm.

6. MEDICAL DEVICES AND EQUIPMENT

6.1. Medical device equipment

- The ambulance shall be designed and constructed to ensure:
- Assisted transport in conditions of maximum safety for the patient and staff;
- The placement and attachment of medical devices.

6.2. Storage of medical equipment

- All equipment necessary for performing standard procedures must be stored in a place specially designed for this purpose.
- Basic equipment necessary for intervention outside the vehicle must be easily accessible through the ambulance doors.
- All equipment shall be stored safely, using a fastening system to prevent impact/trauma during vehicle movement.

6.3. Requirements for medical devices

General requirements:

- The equipment shall be designed for use both when the ambulance is in motion and when used in the field.
- If the equipment is designed to be "portable" (except for patient transport equipment), it must be able to:
- Be carried by a single person;
- Have its own power source, be self-contained, and be charged in the vehicle while the vehicle is moving or stationary.
- Be used outside the vehicle independently.
- Temperature:
- In the absence of other markings on the device, it must be able to operate within a temperature range of -5 °C to + 40 °C.
- In the absence of other markings on the device, it must be able to operate for at least 20 minutes when at a temperature of -5°C.

Attachment of equipment:

- It shall be attached inside the vehicle.
- The fastening system must withstand accelerations of 10 G.
- Electrical terminals and sockets shall not be part of the equipment fastening system.

- Electrical safety:
- All equipment must be selected and installed so as not to damage equipment that uses electricity.
- User interface:
- Buttons, switches, indicators, and control panels must be easily accessible.
- Maintenance:
- The manufacturer shall provide user and maintenance manuals in Russian and English.

7. LIST OF EQUIPMENT

7.1 The equipment for handling and immobilizing the patient:

- The support for the stretcher with fastening system with the possibility to place the stretcher laterally or in the middle with the sliding system.
- The main stretcher with wheels and fastening system for the patient: Meets the following criteria:
- Length 1950mm ±20 mm.
- Width 550±20 mm.
- Wheel diameter minimum 200 mm.
- To follow the requirements of the standard EN 1865-1:2010+A1:2015.
- Composed of two removable parts: stretcher and trolley.
- EN 1789 testing – the testing certificate must to be available.
- Automatic release of the legs of the trolley when unloading from the ambulance.
- Height adjustable, minimum 3 positions.
- Position Trendelenburg and anti-Trendelenburg when the trolley is on its own wheels.
- Adult seat belt system, including over the patient's shoulders.
- Child safety belt system.
- Folding support for infusions.
- Folding lateral handles.
- Telescopic handles for the transportation of the stretcher.
- Wheel brakes.
- System for folding the front and rear legs of the stroller.
- Platform and the trolley will support a weight up to 220 kg separately or combined, including when the equipment is on the wheels.
- Reusable mattress, made from resistant material, which allows a easy washing and disinfection:
- Length ~~1950~~ 1920 mm ±20 mm;
- Width minimum ~~550~~ 490 mm±20 mm;
- Height maximum 100 mm;
- Other parameters according to the standard EN 1865.

- Rigid adjustable stretcher of shovel type made of aluminium:
- With head immobilization system.
- Adjustable on its length in at least 3 steps for patients with different heights.
- Folding.
- Fastening straps for the patient.
- Complete rigid stretcher for the spine with fastening system: adult and child.
- Head immobilizer device:
- Made of plastic material, dense with large ear holes for monitoring the patient; impermeable material, easy to clean and disinfect.
- Vacuum mattress - 2 pieces, 1 adult and 1 child:
- Includes pump and repair kit.
- The pump will have the capacity to reduce the pressure with 500 h/Pa during maximum 4 minute.
- The minimum width for the vacuum mattress for the adult is minimum 80 cm, for the paediatric one is minimum 45 cm.
- Handles for transport.
- Fastening straps for the patient.
- Other parameters according to the EN 1865 standard.
- Wheel chair, with patient fastening system - supports the patient's weight up to 150 kg. Four wheels, including two wheels with braking system. Fixed to the wall **or one of back doors** of the ambulance. The surfaces of the backrest,

		and of the footrest are easily detachable. Chair weight less than 10 kg. • Traction device for femoral fractures with a carrying bag. • Reusable cervical collars adult/child for the cervical immobilization, must allow the intubation, access to tracheotomy and safe medical maneuvers. In the total set of 6 pieces will be delivered: 4 adjustable pieces for adults and 2 adjustable paediatric pieces, with carrying bag. • KED type extrication device - 1 piece. • Inflatable splints and vacuum for the immobilization of upper, lower limbs - one set each with belts for pelvic immobilization - 1 piece each (set to include additional pump, carrying bag, emergency repair kit). • Set of rigid splints for the immobilization of upper, lower limbs with bag for transport- (2 pieces for the upper limb and 2 pieces for the lower limb). **7.2 Equipment/devices for resuscitation - breathing (minimum requirements)** • Fixed oxygen installation: • Oxygen cylinders: 2 cylinders of 10 liters each, with fast interconnection system: • Pressure reducers endowed with manometers for each cylinder. • 2 fast connections standard DIN for respiratory assistance devices, attached on the left lateral wall. • Flow meter with a maximum capacity of at least 15 L/min., with adjusting valve, humidifier, tubing and facial mask. • 1cylinder of 5 litters with stretcher attachment system, with carrying bag for protection and transportation and reducer with flow meter. • Portable oxygen: • 1 cylinder of 2 litters with place for attachment and fixation in the ambulance, endowed with a bag for transport. • Pressure reducer with a flow meter with a maximum capacity of at least 15 l/min with adjusting valve, tubing and facial mask. • Ambu type of ventilation balloon: adult, child, newborn – 3 pieces (1 piece for adult, 1 piece for child, 1 piece for newborn), with a double wall, 100% latex free material, in a kit with a total of 5 masks (adult – 2 pieces, child -2 pieces, newborn -1 piece). • Pressure limiting system for preventing overpressure. • Ventilation balloon for the newborn must to be self-inflating with a capacity of 250-700 ml and to ensure a minimum of 15-25 ml for each ventilation. • Kit for des-obstruction of respiratory tract - 2 piece (1 mouth opener, 1 tongue depressor). • Oropharyngeal pipe kit in dedicated packaging, composed of minimum 6 dimensions adult/child (newborn 40 mm, children 60 mm, adolescent 80mm, adult 90mm, 100mm, 110 mm) 1 piece. • Forceps Magill of various sizes for adult and child - 2 pieces. • Device for mouth insufflations with mask and anti bacterial filter, with unique sense valve, in a carrying box – 1 piece. • Aspirators - 2 pieces: • One attached to the ambulance's wall according to EN 1789; • One portable electrical device, endowed with a bag for transport, with powering and fixation system in the ambulance: • Resistant to fall, blows, water and disinfectants; • With a vacuum regulator incorporated; • Robust, portable, compact; • Electrical operation from the incorporated battery; • Continuous regimen of operation, based on the built-in battery or connected to the power supply. Battery life time is at least 60 minute; • 220V, 12V power supply with adapter; • Maximum free air suction flow 30 L/min, the pressure will be minimum 600 mmHg, the minimum capacity of the reusable reservoir - 1 L; • Alarm and monitoring system for the battery status and connection to the power supply; • There is delivered in a kit with cable for connection at 12V, with minimum 2 reusable silicone tubes of 1,5-2 m in length and with antibacterial filters, minimum 5 pieces. **7.3 Equipment for monitoring/defibrillation/diagnosis**	

		Defibrillator/Monitor – 1 unit • Biphasic defibrillation for adults and children; • Minimum IP 55 ingress protection. • Manual external defibrillator • Availability of semi-automatic mode • Display and audio in Russian and English (by switching); • External pacing; • Monitoring: 3-lead ECG, capnography, pulse oximetry, non-invasive blood pressure, and a display showing parameters; capnometry. • 12-lead diagnostic ECG; • Adult/pediatric pulse oximetry, with a reusable finger sensor, supplied with 50 single-use sensors for each patient type. • Non-invasive blood pressure – at least 3 different cuff sizes must be supplied (adult, pediatric, and obese); • Battery charging from 220 V and 12 V AC networks • The defibrillator must be capable of charging directly from the ambulance's 12 V DC power source (without the use of converters) in the wall mount. Connection to and disconnection from the device's 12 V power source shall occur automatically upon insertion of the device into the mount; • The monitor must operate on rechargeable batteries with a minimum runtime of 6 hours; • The defibrillator must be equipped with a print module, integrated directly into the device; • Must possess an in-built monitor, HD colour of minimum 7 inches. • Must allow displaying and visual supervision: ECG route, Pacemaker detection, AED mode, SpO2 values, noninvasive blood pressure, battery status, alarm status, day, date, must count and record each defibrillation shock. • Must possess a fast and safe access to menu for the options and the shocks power. • Operating time: Defibrillator/pacemaker mode: approx. 200 shocks at 200 joules. • User-accessible monitoring history • The defibrillator will also be supplied with a dedicated carrying case with a shoulder strap, specially compartmentalized for the storage/transport of all cables (pre-assembled) and necessary accessories, including reusable defibrillation pads for adults and children. • Energy output from 5 to 200 joules, configurable protocol, rapid operation. • Single-use defibrillation and pacing electrodes: minimum 20 for adults and 10 for children • Adapters/sensors for CO_2 monitoring: minimum 25 • Printer paper: minimum 10 rolls • Single-use ECG electrodes: 300 **ECG device with bag for transport:** **Technical description:** • Built-in color LCD screen, available to display 3,6,12 leads. • Multiple linguistic support (Russian and English). • ECG wave preview, self-diagnosis and the possibility to print the results. • To possess a software compatible with PC. • The doctor must to be able to visualize the ECG wave sent from the ambulance to the hospital`s PC station. • USB flash disk – for recording data and back-up. • ~~To possess the calibration system.~~ • Availability of detection and protection systems from the cardiac stimulator and the shock defibrillator. • Functions for Auto Measure and Auto Diagnosis. • Simultaneous recording on 3 channels, amplification and recording. • Built-in thermal printer. • ECG wave editing, receiving, recording speed, patient information and report regarding the performed measurements. • AC and DC power supply. • Rechargeable battery with lithium-ion battery, minimum 2 hours of continuous	

		operation. • Internal memory for 300 ECG waves. • Built-in SD card **or USB** of 2 GB, which allows to record over 10000 ECG waves. • Online update software available **on request.** • Automatic measurement and interpretation, automatic testing, verification of the acquisition channels format3×4, 3×4+1R, 3×4+3R, 6×2, 6×2+1R, 12×1, 12×1+T. • The selectable working modes: manually / automatic / rhythm function. • Notify the connection error of the cables or positioning / detachment of the measuring electrode. • High precision digital filters. • Built-in Wi-Fi mode (2.4 CHz band frequency) that allows the online transmission of ECG waves. • ECG recording channels: standard 3, 6, 12 channels. • Accuracy ±2%. • Calibration Voltage - 1mV ± 1%. • Input Impedance 50MΩ. • Circuit Input Current< 50nA. • Stabilization of the reference base – automatic. • Input / external output: • Input ≥100 KΩ sensitivity10mm/V ±5%; • Output: ≤100Ω, sensitivity 1V/mV ±5%. • Recording speed 25 mm /s 50 mm/s. • Delivered accessories: • supply cable-1pice; • patient cable-1 piece; • reusable chest electrodes of pear type-6 pieces; • clips type reusable electrodes for extremity- 4 pieces; • printer paper-5 rolls of paper minimum; • ~~grounding cable-1 piece;~~ • ~~Fuses-2 pieces;~~ • PC connection cable-1 piece; • Supply cables: AC-1 piece and DC-1 piece. • User guide in Russian and English. • The weight of the device is maximum 3,5 kg together with the transport bag. • **Automatic electric syringe with in-built battery** Delivered configuration: • Electric syringe; • Li Ion in-built rechargeable battery; • Bar fixing mechanism; • Automatic recognition of mode and of software for syringe; • Supply cable AC - 1 piece; • Kit of syringes for starting and calibration. Technical description: • The digital control to insure a maximum accuracy and safety; • Compatible with syringes of 10ml, 20ml, 30ml, 50ml/60ml, with automatic recognition of syringes; to be able to function with syringes of various brands; • To be able to automatically calculate the debit after the introduction of the infused volume and the administration time; • To allow the administration of the infusion in bolus at request, with a preselected volume and the accuracy of minimum +/-2%; • To possess an software, to include the calculation of dosage as well; • To possess a drug library; • Infusion speed is 0.1 -200 ml /hour. • Monitoring system for: • The accumulator`s status; • The connection to the main 220 V power source; • The occlusion pressure level; • The administration profile;	

		• The preselected time; • The operating state; • The unit of dosage/flow measurement; • The infused volume; • The remaining time. • **Alarm system:** • The preset alarm in case of occlusion, to overcome the pressure; • The alarm for the wrong introduction of infusion solutions; • The device malfunction; • When the alarm is triggered, the injector will automatically stop. • Portable heating system for infusion solutions with supply at 12 V or 220V: • Allows the heating of at least 3 solution bags of 1 L each or 6 bags of 0,5 L each. • Must to be included a bag for transport, thermally isolated, with shoulder strap. • The thermal isolation is efficient for 2 hours from its disconnection from the power supply. • **Portable Pulse Oximeter** Description: • Device which non-invasively measures the oxygen level (oxygen saturation) in the capillary blood and heart frequency by using the photometric method; • The heart rate is calculated automatically and is displayed based on the performed measurements; • The pulse oximeter must to insure a high reading accuracy regardless of the patient's type, the skin's condition, even in the conditions of repetitive movements of the arm on which the sensor is mounted or if the infusion flow is low. • Parameters: • Compact, portable device, which will be used in the emergency service/ambulance. • Resistant to falls, hits, shock, scratches. • The possibility to be attached in the ambulance, mechanism of attachment included. • Visual and audio alarms. • Audio signal: sensor off, sliding sensor, battery discharge. • The setting of alarm limits. • The total recording time in the memory of 72 hours. • Supply from the battery - accumulator with a lifetime of minimum 60 hours. • ~~Weight maximum 200 g (without batteries).~~ **Weight maximum 300 g (with batteries)**. • Operation temperature ~~-20~~ **0** ˚C - +50 ˚C. • Relative humidity of 15 - 90%. • Patient type: • adult; • child; • newborn. • Sensor SpO2: • Reusable separately, with the possibility of automatic replacement and recognition; • Equipped for utilization with reusable sensors as well as with disposable sensors. • Displays: • LSD or TFT screen, colour minimum ~~2,8~~ **2,4** inches. • Pulse value – yes. • SpO2 wave – yes. • Signal power – yes. • Battery level – yes. • Error message – yes. • SpO2 criteria: • Measurement area 1-100%. • Measurement accuracy ±2%.	

		• Heart rate (HR). • Measurement interval 30-235 beats/min. • Measurement stage 1 beats/min. • Alarms: • Audio and visual. • SpO2 : high level and low level. • Pulse: high level and low level. • Disconnected sensor. • Discharge of the battery. • Stopping of alarm. • To possess the following functions: • Manual or automatic reactivation method. • Volume control. • Self-testing. Delivery: • Internal battery – yes. • Rechargeable with charger – yes. Accessories and consumables: • SpO2 reusable sensor, adult - 1 piece. • SpO2 reusable sensor, child - 1 piece. • SpO2 disposable, adult - 50 pieces. • SpO2 disposable sensor, child - 50 pieces. • User guide (in Russian and English). • **Stethoscope:** The following configuration: • Double capsule. • Double way. • Tube's length: 45-65 cm. • Diaphragm diameter: 35-45 mm. • Delivered with a set of spare accessories: 2 membranes and 2 olive sets**.** • **Manual tensiometer with minimum 5 cuffs (3 adult and 2 child) with bag for transport.** • **Lamp for pupils of the eye examination with battery – 1 piece.** • **Reflex hammer - 1 piece.** • **The infusion mounting system – 10 pieces.** • **Refrigerated bag for thermolabile medicines:** • Inner dimension (L * W * H): 180 * 100 * 80 mm (+/- 20 mm); • External dimension (L * W * H): 240 * 170 * 195 mm (+/- 20 mm); • LCD temperature display. • Units of measurement: oC and oF • With the possibility to adjust the temperature. • Operating mode between +2 oC and +8 oC; • Possibility to work in the environment with a minimum temperature: +35 oC. • LCD size: min 58 * 18 mm; • Net weight: 3-5 kg; • Volume: min 1.5 L; • Total weight (with accessories): 5-6 kg Accessory: • Internal battery (16000mAh) - 2 pcs; • Car adopter - 1 piece; • Charger - 1 pc; • Adjustable shoulder strap - 1 piece; • Cover for accessories - 1 piece; • Power: • AC: voltage: 100V-240V, • DC: Voltage: 12V, • Battery: Voltage: 7.4V, Capacity (lithium battery) - min 16000 mAh;	

		• Input / output voltage (adapter) AC100V-240V / DC9.0V; • Voltage (lithium battery) - DC 7.4V; • Battery working time: min 6 hours; • Support AC110 ~ 240V, DC12V. • The interior will be equipped with a horizontal dividing support for medicines of 1-10ml (min 20 amp.) • With special place, well fixed in the patient's compartment with the possibility of 220V or 12V power supply. **7.4 Sanitary materials (minimum requirements):** • Minitracheostomy kit-1 piece. • Mattress with handles for patients transfer, made of washable material, minimum width 80 cm -2 pieces. • Kit for amputated limbs + container for replanting with maintaining of the internal temperature at -2 - +4°C, for at least 2 hours -1 piece. • Bag /rucksack for portable equipment made of impermeable textile, easy to clean, with reflective strips, foreseen with a spacious compartment divided by removable separators. On the exterior it has 2 lateral and 1 frontal pockets, support with the handles and adjustable shoulder strap with the pad. Composition: • Type AMBU balloon (1 adult, 1 child) with 5 masks (3 adult, 2 children); • Kit of oropharyngeal pipes, minimum 6 sizes; • Reusable Laryngoscope with blades of various sizes adult and child – 1 piece; • Magill forceps, 2 sizes adult and child; • Mechanical manual vacuum, 1 piece; • Tensiometer with stethoscope, 1 piece; • Manual tourniquet system – 1 piece. It must be easy, portable, to possess a manual pump with manometer in the set with a reusable cuff for adult and child, with a connection tube of minimum 1m (in length), with dedicated bag. • Rechargeable oxygen cylinder 1 L, with the reducer and flow meter - 1 piece. The kits mentioned above will be attached in the place where they will be easily accessed, but without affecting the working space around the patient. Their location will be discussed with the beneficiary before the final execution of attachment works in the patient's compartment. **7.5 Auxiliary materials and devices:** • Safety belts cutting device **(could be 2in1 unit together with hammer to break the window)** – 1 piece. • Medical scissors of type „safety boy" – 1 piece. • Reflective triangle- 2 pieces. • Flexible projector – 1 piece, able to be connected at 12 V in the driver's cabin. • Rechargeable portable lantern - 1 piece. • Hammer to break the window **(could be 2in1 unit together with safety belts cutting device)** - 2 pieces, (one in the driver's cabin and another in the patient's compartment). • Extinguisher - 2 pieces, minimum 2 l, each. • Rubber mats set in the driver's cabin. • Traction belt of 5000kg, minimum. • Set of non-skid chains. • User guide Russian and English. The margin of +/- 5% is accepted for the technical parameters of the vehicle, patient compartment and medical devices. **8. WARRANTY** All equipment must be covered by a warranty of at least 36 months from the date of signature of the acceptance document. The vehicle must be covered by a warranty certificate of at least 200,000 km or 24 months (whichever comes first). that would allow servicing of the vehicle in Republic of Moldova. **9. SERVICE AND MAINTENANCE** All bidders shall ensure the availability of the necessary technical facilities for servicing both ambulances and medical equipment, in accordance with the manufacturer's general warranty terms and user manual.	

		Maximum response time for technical service: 48 hours from the time of the request. Maximum duration of corrective measures: 72 hours in total. Technical servicing and routine repairs will be performed on a priority basis. The winning contractor will provide technical servicing and maintenance of ambulances, ensuring corrective measures (repairs) within 14 calendar days, regardless of the type of repair(s). Temporary replacement of equipment must be provided in accordance with the periods mentioned above. During the warranty period, upon the user's reasonable request, the repair, adjustment, and maintenance of medical equipment and vehicles, in accordance with the specifications in the manufacturer's manuals, shall be performed free of charge. Parts and labor are free of charge, except for vehicle consumables as specified by the manufacturer. **10. AVAILABILITY OF SPARE PARTS** Each bidder assumes, on its own responsibility, the availability of spare parts, accessories, and consumables for all items offered on the Moldovan market, either free of charge or for a fee, as follows: spare parts free of charge, including installation during the warranty period. For the remainder of the period—for a fee. **11. MANUALS** A technical manual and a user manual are required. All manuals shall be available in Russian and English. **12. TRAINING** Upon delivery, the bidder shall ensure the training of technical and medical personnel for the ambulances (vehicles and equipment) and shall provide theoretical and practical training for the professional staff of the ambulance medical teams to ensure they possess the necessary knowledge and skills. **13. REGISTRATION** The seller shall provide the buyer with the complete set of documents and paperwork required for vehicle registration. **14. DELIVERY** The ambulance will be delivered on a DDP basis, in accordance with INCOTERMS 2020. The ambulance will be delivered as a fully functional unit (fully equipped ambulance), with a detailed specification of the equipment and devices it contains, in accordance with the delivery/acceptance certificate. The cost of the bid includes: the devices, packaging and transportation to the buyer's premises, installation and commissioning, technical training in operation and maintenance, and training of medical personnel. The cost of consumables, spare parts, and periodic maintenance during the warranty period shall be in accordance with the terms of reference. **15.** When submitting bids, bidders shall provide a catalog with color photographs and/or sketches that accurately depict the configuration specified in the terms of reference. **16.** The requirements set forth in the terms of reference (technical specifications) are considered mandatory.	

Delivery Requirements

Delivery date and time	The bidder shall deliver the goods within 150 days after Contract signature
Delivery Terms (INCOTERMS	DDP

2020)	
Customs clearance (must be linked to INCOTERM)	☒ Supplier/bidder
Exact Address(es) of Delivery Location(s)	Tiraspol
Training on Operations and Maintenance	Required for one driver and two operators
Warranty Period	Vehicle: minimum 24 months or 200,000 km (whichever occurs first);
After-sales service and local service support requirements	☒ Vehicle: minimum 24 months warranty or 200,000 km (whichever occurs first) ☒ Technical Support according to manufacturer`s warranty conditions ☒ Availability of authorized service in Republic of Moldova for maintenance/ repair

ANNEX 2: QUOTATION SUBMISSION FORM

Bidders are requested to complete this form, including the Company Profile and Bidder's Declaration, sign it and return it as part of their quotation along with Annex 3: Technical and Financial Offer. Bidders shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.

Name of Bidder:	Click or tap here to enter text.	
RFQ reference:	**RfQ26/03246: Supply of one type C and one type B ambulances**	Date: Click or tap to enter a date.

Company Profile

Item Description	Detail
Legal name of bidder or Lead entity for JVs	Click or tap here to enter text.
Legal Address, City, Country	Click or tap here to enter text.
Website	Click or tap here to enter text.
Year of Registration	Click or tap here to enter text.
Legal structure	Choose an item.
Are you a UNGM registered vendor?	☐ Yes ☐ No If Yes, insert UNGM Vendor Number
Quality Assurance Certification (e.g. ISO 9000 or Equivalent) *(If yes, provide a Copy of the valid Certificate):*	☐ Yes ☐ No
Does your Company hold any accreditation such as ISO 14001 or ISO 14064 or equivalent related to the environment? *(If yes, provide a*	☐ Yes ☐ No

Copy of the valid Certificate):	
Does your Company have a written Statement of its Environmental Policy? *(If yes, provide a Copy)*	☐ Yes ☐ No
Does your organization demonstrate significant commitment to sustainability through some other means, for example internal company policy documents on women empowerment, renewable energies or membership of trade institutions promoting such issues *(If yes, provide a Copy)*	☐ Yes ☐ No
Is your company a member of the UN Global Compact	☐ Yes ☐ No
Bank Information	Bank Name: Click or tap here to enter text. Bank Address: Click or tap here to enter text. IBAN: Click or tap here to enter text. SWIFT/BIC: Click or tap here to enter text. Account Currency: Click or tap here to enter text. Bank Account Number: Click or tap here to enter text.

Previous relevant experience:
At least 2 (two) contracts for supplying similar goods within the past 5 (five) years with a value not less than USD 200,000 each

Name of previous contracts	Client & Reference Contact Details including e-mail	Contract Value *(insert currency)*	Period of activity *(month/year)*	Types of activities undertaken

Bidder's Declaration

Yes	No	
☐	☐	**Requirements and Terms and Conditions:** I/We have read and fully understand the RFQ, including the RFQ Information and Data, Schedule of Requirements, the General Conditions of Contract, and any Special Conditions of Contract. I/we confirm that the Bidder agrees to be bound by them.
☐	☐	I/We confirm that the Bidder has the necessary capacity, capability, and necessary licenses to fully meet or exceed the Requirements and will be available to deliver throughout the relevant Contract period.
☐	☐	**Ethics**: In submitting this Quote I/we warrant that the bidder: has not entered into any improper, illegal, collusive or anti-competitive arrangements with any Competitor; has not directly or indirectly approached any representative of the Buyer (other than the Point of Contact) to lobby or solicit information in relation to the RFQ ;has not attempted to influence, or provide any form of personal inducement, reward or benefit to any representative of the Buyer.
☐	☐	I/We confirm to undertake not to engage in proscribed practices, , or any other unethical practice, with the UN or any other party, and to conduct business in a manner that averts any financial, operational, reputational or other undue risk to the UN and we have read the United Nations Supplier Code of Conduct:https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct and acknowledge that it provides the minimum standards expected of suppliers to the UN.

Yes	No	
☐	☐	**Conflict of interest:** I/We warrant that the bidder has no actual, potential, or perceived Conflict of Interest in submitting this Quote or entering a Contract to deliver the Requirements. Where a Conflict of Interest arises during the RFQ process the bidder will report it immediately to the Procuring Organisation's Point of Contact.
☐	☐	**Prohibitions and Sanctions:** I/We hereby declare that our firm, ultimate beneficial owners, affiliates or subsidiaries or employees, including any JV/Consortium members or subcontractors or suppliers for any part of the contract is not under procurement prohibition by the United Nations, including but not limited to prohibitions derived from the Compendium of United Nations Security Council Sanctions Lists and have not been suspended, debarred, sanctioned or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization.
☐	☐	**Bankruptcy**: I/We have not declared bankruptcy, are not involved in bankruptcy or receivership proceedings, and there is no judgment or pending legal action against them that could impair their operations in the foreseeable future.
☐	☐	**Offer Validity Period:** I/We confirm that this Quote, including the price, remains open for acceptance for the Offer Validity.
☐	☐	I/We understand and recognize that you are not bound to accept any Quotation you receive, and we certify that the goods offered in our Quotation are new and unused.
☐	☐	By signing this declaration, the signatory below represents, warrants and agrees that he/she has been authorised by the Organization/s to make this declaration on its/their behalf.

Signature: _____

Name: Click or tap here to enter text.

Title: Click or tap here to enter text.

Date: Click or tap to enter a date.

ANNEX 3: TECHNICAL AND FINANCIAL OFFER – GOODS

Bidders are requested to complete this form, sign it and return it as part of their quotation along with Annex 2 Quotation Submission Form. The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.

Name of Bidder:	Click or tap here to enter text.	
RFQ reference:	**RfQ26/03246: Supply of one type C and one type B ambulances**	Date: Click or tap to enter a date.

Bidders must include all costs related to the performance of the services in their quotation price (delivery of goods, transport costs, insurance, etc.)

Financial Offer

Currency of the Quotation: Moldovan Leu (MDL) for local companies or US Dollars (USD) for international companies

LOT No.	Description	Quantity	Unit price (VAT 0%) *(insert currency)]*	Total Price (VAT 0%) *(insert currency)*
1	**Type C Emergency Ambulance**	1		
	Cost of Transportation (if applicable)			
	Cost of Insurance (if applicable)			
	Other costs if any (pls. specify)			
2	**Type B Emergency Ambulance**	1		
	Cost of Transportation (if applicable)			
	Cost of Insurance (if applicable)			
	Other costs if any (pls. specify)			
	TOTAL and All-inclusive PRICE (VAT 0%) *[Please insert currency]*			

** In case the transportation, freight insurance and after-sales service and/or other costs are included in the value of vehicle and cannot be reflected as a separate line of expenses, please specify 0 value in the respective line in the table above, while the price of 0.01 USD is to be indicated in the section "Lines" of Quantum tender system. In such a situation, the exact Contract price will be corrected during the contract negotiation with the winner.*

Compliance with Requirements

Requirements	Your Responses		
	Yes, we will comply	**No, we cannot comply**	**If you cannot comply, pls. indicate counter - offer**
Minimum Technical Specifications	☐	☐	Click or tap here to enter text.
Delivery Term (INCOTERMS): DDP	☐	☐	Click or tap here to enter text.
Delivery Lead Time: *up to 150 calendar days*	☐	☐	Click or tap here to enter text.

Warranty and After-Sales Requirements	☐	☐	Click or tap here to enter text.
Service Center in the Republic of Moldova	☐	☐	Click or tap here to enter text.
Validity of Quotation – *90 calendar days*	☐	☐	Click or tap here to enter text.
Payment terms	☐	☐	Click or tap here to enter text.

Other Information

Estimated weight/volume/dimension of the Consignment:	Click or tap here to enter text
Country/ies of Origin: (*if export license required this must be submitted if awarded the contract*)	Click or tap here to enter text

I, the undersigned, certify that I am duly authorized to sign this quotation and bind the company below in event that the quotation is accepted.	
Exact name and address of company Company NameClick or tap here to enter text. Address: Click or tap here to enter text. Phone No.: Click or tap here to enter text. Email Address: Click or tap here to enter text.	Authorized Signature: _____ _____ Date: Click or tap here to enter text. Name: Click or tap here to enter text. Functional Title of Authorised Signatory: Click or tap here to enter text. Email Address: Click or tap here to enter text.

ANNEX 4: TECHNICAL RESPONSIVENESS TABLE

Bidders are requested to complete this form, sign it and return it as part of their bid along with Annex 2: Quotation Submission Form and Annex 3: Technical and Financial Offer. The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.

Name of Bidder:	Click or tap here to enter text.	
RFQ reference:	**RfQ26/03246: Supply of one type C and one type B ambulances**	Date: Click or tap to enter a date.

Bidders shall provide all the applicable technical data of the materials proposed to demonstrate compliance with technical specifications included in Annex 1: Schedule of Requirements; failing to do so may result in the bid being rejected. Corresponding documentation shall form part of the bidder's offer. You may also provide brochures for the equipment offered, in case available.

No.	Technical parameters / characteristics for proposed materials (RU/*EN*)	Requested characteristics	Q-ty, pcs	Bidder's response		
				Compliance with technical specifications		Technical Compliance *(indicate details of proposed materials)*
				Yes, we comply	No, we cannot comply *(indicate discrepancies)*	
LOT 1						
Type C 4x4 Emergency Ambulance		Quantity – **1 pc**				
1	**GENERAL REQUIREMENTS**	**The ambulance meets the normative requirements for the special vehicles: by type C 4x4 ambulance, it is understood an ambulance of emergency medical service.** **o Norms and standards** **The applied legislation for the elaboration of technical specifications:** **•European Norm EN 1789/2007, A2 edition with regard to medical vehicles and equipment with subsequent amendments;** **•The medical devices meets the requirements foreseen in the European Directive 93/42/CEE regarding medical devices;** **•The medical devices fully corresponds to EN 1865 (specifications for stretchers and other equipment for transporting patients by ambulances), when other indications are not given.** **•The medical devices possess the following:** **a) declaration of conformity to the European Communities**	1			

		requirements issued by the manufacturer for the produced medical device; b) declaration of conformity to the European Communities requirements in force for produced devices, where appropriate; •The manufacturers of medical devices follow the quality standard ISO 9001/2008 (quality management system) with subsequent amendments.				
	1.2 Type of the car's body	**The ambulance shall be built from a single piece of van type with an integrated cabin (added containers or compartments for patients are not allowed). The roof-superstructure made of plastic is not accepted.**				
		Ground clearance minimum ~~200~~ 170 mm (not including spare wheel);				
		Overall dimensions L x W x H: Length: maximum 6500 mm; minimum 5200 mm				
		Width: maximum 2200 mm (not including mirrors); minimum 1900 mm (not including mirrors)				
		Height: maximum 3000 mm (measured at net weight and without antenna or flashing light/light signaling equipment)				
		Wheel Base – not ~~more~~ less than 3400 mm				
2		**The vehicle should be new, year of production – not earlier than 2025**				
	PERFORMANCES 2.1 Engine:	**cylinder capacity 2000 cm3 ±5%;**				
		fuel: diesel;				
		Euro 6;				
		minimum 170 HP±5%;				
		The engine provides sufficient power for the ambulance, loaded to its maximum permissible capacity, to accelerate from 0 km/h to 80 km/h in 30 seconds.				
		Metal protection under the powertrain, at least in the oil pan area.				
	2.2 Security systems:	**Anti-lock braking system (ABS) with electronic system, according to the standards of the automobile industry.**				
		Electronic Stability Program (ESP).				
		Power steering (hydraulic, electro-hydraulic, or fully electric)				
		Front and rear parking assist control, audible, visual, or combined.				
		Steering wheel with 2-way adjustable column, height and depth, and steering wheel controls.				
	2.3 Traction:	**Manual gearbox, 6+1 speed or automatic.**				
		The ambulance has 4x4 traction.				
		The ambulance is equipped with steel wheels, winter/summer tires according to the season of delivery and a spare wheel which will be				

		equipped with a tire for the season in which the ambulance will be delivered,				
	2.4 External appearance:	**The ambulance is in white colour with the following inscriptions and hallmarks:** ***On the front:*** **"AMBULANCE", printed reversed (red colour with a height of 150mm); the international Red Cross symbol (red colour with height of 300 mm and width 300 mm).** ***On the both sides of the car body:*** **the international Red Cross symbol (red colour with height of 300 mm and width 300 mm);** **"СКОРАЯ МЕДИЦИНСКАЯ ПОМОЩЬ" (red colour with a height of 150mm);** **Unique number „103" (red colour, height 240 mm);** **Bands (red e colour, height 150-230 mm each (depending on the height of the ambulance),** one on lower part of the vehicle, one on upper part of the vehicle). ***On the back:*** **On the windows - two international Red Cross symbols (red colour with height of 300 mm and width 300 mm)** ***The inscriptions are reflective / fluorescent.***				
3	**ELECTRICAL REQUIREMENTS**					
	3.1. Visual and audible warning system	**The ambulance should have both visual and audible warning systems.**				
		The system should allow the necessary information to be transmitted to persons outside the vehicle using a microphone in the driver's cab.				
		The system should be designed so that the siren only operates when the light bar is in operation.				
		The various components of the visual warning system should be powered by a main switch that will connect the alarm system to the vehicle's electrical system.				
		The alarm system should operate even when the engine is off.				
		The light signals should comply with the technical requirements set out in R 65 ECE-UN.				
		The front of the ambulance should be equipped with a blue LED strobe light bar, fixed above the driver's cab. This will be visible from the front and sides of the ambulance. A siren speaker with a minimum power of 100W, with variable acoustic signal intensity.				
		At the rear, the ambulance should be equipped with a blue LED light bar, visible from the rear. It should be activated by a single button, the same as the one for the main light bar.				
		On each side, at the top of the ambulance, there should be three rectangular blue LED lights with flashing lights. It should be activated by a single button with the main light bar.				

		Between the main headlights, built into the radiator grille or on the hood, there should be two blue LED lights flashing, facing the front of the vehicle. This should be activated by a single button with the main light bar.				
		The right side and rear of the ambulance should each have an LED bulb, directed towards the ground at a 45° angle. It should be activated by separate buttons for each group (right side and rear) located in the driver's compartment, as well as when the door is open.				
		The siren should be activated from the driver's compartment with a general on-off button. It should also include a short warning signal, which is activated by pressing a button (horn). The siren should have a minimum power of 100 W, with variable acoustic signal intensity. All warning systems, both acoustic and light, should be controlled from a control panel.				
		The ambulance should have front and rear fog lights installed.				
	3.2. Battery and alternator	**The construction of the battery and all its connections shall be designed to prevent short circuits due to carelessness.**				
		The electrical system must be able to store a reserve of electrical energy to restart the engine. The ambulance must have at least one additional battery installed.				
		Minimum capacity/power (according to EN 1789, as amended).				
		Starting battery: nominal voltage of 12 V min. 80 Ah.				
		Additional battery: AGM/gel technology capable of withstanding multiple deep discharges and repeated charges, with a discharge warning system and a nominal voltage of 12 V min. 80 Ah.				
		Alternator: minimum power 2500 W/12 V;				
		12V-220V inverter, minimum power ~~1500~~ 1200 W.				
	3.3. Electrical system	**The ambulance shall have an external connector with IP44 protection rating, allowing the battery (batteries) and other equipment and medical devices to be charged, the engine to be preheated when stationary, and the patient compartment to be heated.**				
		The 220V connector shall be of the "male" type and shall be installed on the side of the ambulance on the driver's side. Two "female" connectors shall also be supplied, with an attached cable at least 20 m long.				
		The engine cannot be started while connected to an external 220V power source.				
		The 220V electrical circuit shall be protected by earthing, ensuring a maximum leakage current of 30mA, or by a separating transformer. If protection is provided only by grounding, there shall be a warning label near the outlet with the inscription: "CAUTION! CONNECT ONLY TO AN AUTHORIZED OUTLET."				
		The electrical system of the ambulance shall contain at least four				

		separate subsystems, as follows:				
		Basic system for the unequipped vehicle;				
		Power supply system for medical devices;				
		Power supply system for the patient compartment;				
		Power supply system for communications.				
		Power outlets for consumers shall be provided as follows:				
		12 V outlets for medical devices in the patient compartment - minimum 4 pieces;				
		12 V outlets in the driver's cab - minimum 2 pieces;				
		220 V sockets for medical devices in the patient compartment - minimum 4 pieces, which shall be powered by a 12V DC - 220V AC inverter with a minimum capacity of ~~1500~~ 1200 W.				
		Electrical installations shall meet the following requirements:				
		All circuits in the patient compartment shall have automatic safety devices and/or separate switches designed/provided in the construction;				
		Switches shall be marked accordingly, and the function of each circuit shall be easily identifiable;				
		At least two circuits shall be installed so that a fault in the circuits does not shut off all lights or all connected medical devices;				
		Cables shall withstand more than the maximum load of the fuses or switches by at least 30%;				
		Cables and conduits must be resistant to vibration. Cables must be installed in conduits.				
		Cables shall not pass through areas where gaseous substances are used.				
		Outputs shall not be interchangeable in locations with different voltage systems.				
4	**VEHICLE BODY**					
	4.1. Fire safety:	**All materials used inside the vehicle must be fire resistant; their burning rate must be a maximum of 100 mm/min**				
	4.2 Driver's cab:	**The cab shall be equipped with the following:**				
		Windshield defrosting/demisting system that operates while the ambulance is moving or stationary.				
		An exterior windshield washing system.				
		Ventilation and air conditioning system.				
		Two sunshades.				
		A handhold for the accompanying person located near the lower corner of the windshield and a handhold above the entrance door.				
		A run-lock or similar system that allows the key to be removed from				

		the ignition and the car to be left with all systems active but unable to move.				
		Airbags for the driver and passengers.				
		Double passenger seat.				
		Electrically adjustable and heated rearview mirrors.				
		Radio, Bluetooth.				
		Navigation system and corresponding software for the territory of the Republic of Moldova.				
		Rechargeable and detachable flashlight (battery life min. 2 h 30 min at a light output of min. 1500 lm).				
	4.3 Minimum load capacity:	**Number of seats (excluding the driver's seat):**				
		2 in the front (double bench) with seat belts;				
		2 in the rear. The seat installed in the direction of travel shall be equipped with a 3-point seat belt integrated into a 90° swivel seat with a handle and headrest, and the seat installed opposite the direction of travel shall have a 3-point seat belt, handle, and headrest. Both seats must have a weight sensor and a signal for an unfastened seat belt.				
		The stretcher shall have a seat belt fastening system, including from the head of the stretcher to the patient's shoulders. A set for children must be included.				
	4.4 Partition:	**A partition shall separate the driver's compartment from the patient compartment. A sliding window shall be provided in the partition. The window shall allow direct visual contact with the driver. It shall be secured against accidental opening and shall have an opaque curtain or other devices to prevent light from the patient compartment from disturbing the driver.**				
		Wall sections outside the windows above stretcher level (including cabinets and drawer fronts) shall be made of washable, disinfectant-resistant material.				
	4.5 Emergency exits	**In addition to the rear door, there shall be an alternative exit from the patient compartment, allowing for the evacuation of the patient(s) and crew.**				
	4.6 Openings (doors, windows):	**There must be at least two exits:**				
		one at the rear (swing doors)				
		one side exit (door) to the patient compartment.				
		Open position:				
		Rear doors must open to 250-270°.				
		All openings shall be equipped with seals to prevent water infiltration.				
		The loading angle of the stretcher shall be a maximum of 16°.				

		The ambulance doors shall be equipped with a central locking system.				
		The exterior doors of the medical compartment shall be equipped with safety devices in accordance with the following requirements:				
		they shall be opened and closed from the inside without a key;				
		they shall be opened and closed with a key from the outside, as if they were locked from the inside;				
		the key may be mechanical or non-mechanical, if there is a central locking system.				
		There must be at least two exterior windows in the patient compartment, one on the right side and one on the rear. The window on the side shall be a sliding window.				
		The windows must be positioned so as to ensure patient privacy, and 1/3 of the top of the window will allow a view to the outside.				
		If the doors in the patient compartment are not completely closed or are open, an audio and visual signal shall alert the driver.				
5	**PATIENT COMPARTMENT**					
	5.1 General requirements:	**The patient compartment must be designed and constructed in such a way as to provide the necessary space for the medical devices mentioned below.**				
		The ceiling, interior walls, and doors of the patient compartment must be made entirely of or covered with washable materials that are resistant to disinfection.				
		The material used inside the ambulance (patient compartment) must meet the requirements set out in standard EN 1789.				
		The ambulance compartment must be designed so that 2-4 people can work in an upright position in comfortable conditions.				
		The edges of surfaces must be designed to prevent the penetration of fluids. If the floor does not allow for the drainage of fluids, one or more drains with plugs must be available.				
		Open shelves must be designed with rounded edges. Drawers must be secured against accidental opening.				
		The ambulance must be equipped with a compartment for medicines designed with a safety lock.				
		The ambulance must be designed with one or more handholds positioned above the support on the longitudinal axis.				
		There must be two handholds positioned near the patient compartment doors:				
		one handhold installed on the partition wall near the side door;				
		the second handhold installed on the side wall near the rear doors.				
		Access to the medical compartment through the rear doors must be facilitated by a plastic step integrated into the rear bar of the vehicle (solution provided by the chassis manufacturer).				
		Entry into the medical compartment through the side door must be				

Description:	facilitated by a retractable metal step, operated mechanically or electrically.				
	Maintenance equipment (e.g., spare wheel or toolbox) shall not be accessible from inside the patient compartment.				
	With regard to the medical compartment from the rear door of the vehicle, the following specifications must be observed:				
	The left wall (on the driver's side) shall be used for attaching medical equipment or supports and chargers for portable medical equipment, such as the defibrillator and its attachments, aspirators, oxygen supply system – flow meter, humidifier. All devices installed on the left side wall must be manually accessible and visible to the person sitting in the seat at the head of the stretcher. A cabinet for medical supplies shall be provided. This area will also have a built-in storage compartment for IV fluids heated to 37 degrees, equipped with a thermostat, as well as a built-in cooled container (refrigerator or cooled drawer that allows the temperature to be maintained at approximately 4 degrees Celsius) for storing biological material and heat-sensitive medications.				
	On the right side wall, in the upper half of the stretcher, a folding seat shall be attached for the accompanying person, with the possibility of rotating towards the stretcher; the seat belt shall be attached to the seat. Some immobilization equipment should be able to be attached to this wall behind the accompanying person's seat.				
	The ceiling of the medical compartment shall be used to attach the support for infusions and the holder for two automatic electric syringes.				
	The partition wall shall be used to attach a folding chair with its back facing the direction of travel. There shall also be a special place in this area for storing the backpack with resuscitation/examination equipment. It will be easily accessible from the outside by opening the side door. This area should also contain a container for sharp objects, a dispenser for disinfectants, and a holder for paper towels.				
	The stretcher holder shall be placed in the middle of the patient compartment with the possibility of sliding left/right.				
	Two attached oxygen cylinders, each with a capacity of 10 l, shall be placed in a well-defined location in the medical compartment in an area that allows for easy replacement.				
	Two mobile oxygen cylinders, one with a capacity of 5 l, shall have a special place for attachment to the stretcher, and the other with a capacity of 2 l shall have its own carrying bag.				
	The wheelchair with patient restraint system shall be installed in the rear, which is easily accessible.				
	The floor shall be chosen to provide adequate grip for the accompanying person, including when wet; it shall be durable and easy to clean.				
	The interior of the fully equipped patient compartment shall be designed to minimize the risk of injury.				

	All lighting, heating, cooling, and ventilation systems shall be centrally controlled via a touch display.				
5.2 Compartment dimensions	**Minimum length: 3200 mm, at stretcher level, excluding the length of any cabinets, drawers, and other furniture located near the partition wall.**				
	Minimum height: 1800 mm, in the work area with the stretcher.				
	Minimum width:				
	Total, including cabinets - minimum 1700 mm;				
	Minimum width of usable surface - minimum 1400 mm (according to EN 1789).				
5.3 Requirements for the dimensions of seats in the patient compartment:	**Height: 400 mm – 500 mm from the floor**				
	Width: at least 450 mm;				
	Depth: at least 350 mm;				
	For the seat backrest:				
	Height: at least 750 mm;				
	Width: at least 450 mm.				
5.4 Ventilation system:	**A ventilation system shall be available to ensure a minimum of 20 air changes per hour in the patient compartment.**				
5.5 Heating and cooling systems:	**In addition to the driver's cab heating, an independent, adjustable system for heating the air in the patient compartment shall be available. The system shall consist of three separate subsystems:**				
	Hot water heating system from the engine, operational when the engine is running.				
	Independent heating unit, operational when the engine is running or switched off.				
	Electric heating radiator, operational when the ambulance is stationary and connected to a 220 V power supply.				
	These shall be equipped with thermostats so that temperature fluctuations do not exceed ± 3 °C.				
	The system configuration shall prevent exhaust gas from entering the patient compartment.				
	In addition to the heating system, an air cooling system (air conditioning) shall be available, which shall serve the patient compartment separately.				
5.6 Interior lighting:	**LED lighting in the patient compartment (balanced, natural light):**				
	Patient area: minimum 300 lx (adjustable);				
	Surrounding areas: minimum 50 lx.				
	There will also be additional blue ambient lighting.				
5.7 Interior noise level:	**Depending on the speed of travel, the interior noise level will comply with current European regulations (in accordance with EN 1789).**				
5.8 Infusion	**A support for mounting two automatic electric syringes, located on**				

	support system:	**the ceiling, will be provided with a power source in the immediate vicinity. Placed in such a way as to be easily maneuverable by staff but at the same time not to present an impediment when working on the patient.**				
		A foldable infusion support, mounted on the ceiling, will be equipped to support two or three vertically attached infusions and capable of maintaining their balance. The support should make maximum use of the vehicle's height above the stretcher.				
		The support system shall have a minimum capacity of 5 kg and shall be capable of supporting three fluid bags, independently of each other (in accordance with EN 1789).				
		On the left side wall, near the electrical and oxygen outlets, a bar of sufficient length shall be installed to mount the necessary devices.				
	5.9 Systems for securing/attaching equipment in the patient compartment (EN 1789 and subsequent amendments)	**Without exception, all materials, such as medical devices, equipment, and objects that are commonly found in an ambulance, must be secured so that they cannot be projected when subjected to a force of minimum 10g (gravity) horizontally and vertically.**				
		The distance covered by materials when subjected to a force must not endanger the safety of persons in the ambulance.				
		If subjected to these forces, then:				
		no object shall have sharp edges that would endanger the safety of persons in the ambulance;				
		the maximum displacement of the support or any other attached component and the fastening system shall not exceed 150 mm.				
6	**MEDICAL DEVICES AND EQUIPMENT**					
	6.1. Medical device equipment	**The ambulance shall be designed and constructed to ensure:**				
		Assisted transport in conditions of maximum safety for the patient and staff;				
		The placement and attachment of medical devices.				
	6.2. Storage of medical equipment	**All equipment necessary for performing standard procedures must be stored in a place specially designed for this purpose.**				
		Basic equipment necessary for intervention outside the vehicle must be easily accessible through the ambulance doors.				
		All equipment shall be stored safely, using a fastening system to prevent impact/trauma during vehicle movement.				
	6.3. Requirements for medical devices	**General requirements:**				
		The equipment shall be designed for use both when the ambulance is in motion and when used in the field.				
		If the equipment is designed to be "portable" (except for patient transport equipment), it must be able to:				
		Be carried by a single person;				
		Have its own power source, be self-contained, and be charged in the vehicle while the vehicle is moving or stationary.				

		Be used outside the vehicle independently.				
		Temperature:				
		In the absence of other markings on the device, it must be able to operate within a temperature range of -5 °C to + 40 °C.				
		In the absence of other markings on the device, it must be able to operate for at least 20 minutes when at a temperature of -5°C.				
		Attachment of equipment:				
		It shall be attached inside the vehicle.				
		The fastening system must withstand accelerations of 10 G.				
		Electrical terminals and sockets shall not be part of the equipment fastening system.				
		Electrical safety:				
		All equipment must be selected and installed so as not to damage equipment that uses electricity.				
		User interface:				
		Buttons, switches, indicators, and control panels must be easily accessible.				
		Maintenance:				
		The manufacturer shall provide user and maintenance manuals in Russian and English.				
7	**LIST OF EQUIPMENT**					
	7.1 Equipment for patient handling and immobilization:	***Hydraulic support for main stretcher - 1 pc.***				
		Functionality and movements:				
		The stretcher support shall be equipped with an electrically controlled hydraulic system that allows:				
		changing the position to Trendelenburg and anti-Trendelenburg;				
		lifting and locking the stretcher to allow cardiac massage or other medical procedures.				
		The system shall have its own suspension telescopes, which will operate when the stretcher is lifted, without requiring it to be locked.				
		Location and mobility:				
		The stretcher support shall be located in the middle of the patient compartment with the possibility of sliding left/right				
		It shall allow left-right sliding, ensuring access for medical personnel from all sides.				
		Loading/unloading maneuvers:				
		The support will be able to slide backwards to facilitate the loading and unloading of the stretcher from the ambulance.				
		It will allow for electrically adjustable tilting up to a maximum angle of 16°.				

		Operating controls:				
		The tilt control will be located at the rear end of the support.				
		The rest of the controls will be located either in the patient's head area or on the side wall of the ambulance, depending on the design solution.				
		Main stretcher/transport system - 1 pc.				
		The stretcher shall comply with the requirements of standard EN 1865-1:2010 + A1:2015.				
		Structure and functionality:				
		The system shall consist of two detachable parts: stretcher and trolley.				
		Equipped with a self-loading system.				
		The trolley legs will release automatically when the stretcher is unloaded from the ambulance.				
		Adjustable height, with the possibility of adjustment in at least 7 positions.				
		Low weight, maximum 50 kg trolley (without stretcher).				
		Anatomical mattress, made of resistant, easily disinfectable material.				
		Trendelenburg and anti-Trendelenburg positions when the stretcher is on its own wheels.				
		Complete safety belt system for adults and children, including over the patient's shoulders.				
		Foldable infusion stand.				
		Foldable side handles.				
		Minimum 2 swivel wheels, with locking option.				
		Minimum 2 adjustable crossbars for the stretcher.				
		Control system for folding the front/rear legs of the trolley.				
		Made of materials that are easy to maintain and disinfect.				
		The stretcher and trolley must support a minimum weight of 250 kg (both separately and combined, including when on wheels).				
		Adjustable rigid aluminum scoop stretcher:				
		Length adjustable in at least 3 steps for patients of different heights.				
		Foldable.				
		With patient restraint straps.				

		Head immobilization device – 1 pc.				
		Made of dense plastic with large holes for patient monitoring, waterproof, easy to clean and disinfect.				
		Vacuum mattress – 1 pc.:				
		Includes pump and repair kit.				
		The pump shall be capable of reducing the pressure by 500 h/Pa in a maximum of 4 minutes.				
		Minimum vacuum mattress width 80 cm				
		With handles for transport				
		With patient restraint straps.				
		Other parameters in accordance with EN 1865 standard				
		Wheelchair and patient restraint system - 1 pc				
		Supports patient weight up to 170 kg.				
		Four wheels, two of which have a braking system.				
		Attached to one of the rear doors of the ambulance.				
		The backrest and footrest surfaces are easy to remove.				
		Maximum weight of the chair 10 kg.				
		Adult and pediatric cervical collars for cervical immobilization:				
		Must allow for intubation, tracheotomy access, and safe medical maneuvers.				
		The set, consisting of 6 pieces in total, shall be delivered: 4 adjustable pieces for adults and 2 pediatric pieces, with a carrying bag.				
		Adjustable belt (sling) for pelvic immobilization – 2 pc.				
	7.2 Resuscitation equipment/devices – respiration (minimum requirements)	***Fixed oxygen installation:***				
		Two 10-liter oxygen cylinders:				
		Pressure reducers equipped with pressure gauges for each cylinder.				
		2 standard DIN quick connectors for respiratory assistance devices, attached to the left side wall.				
		Flow meter with a maximum capacity of 15 L/min, with control valve, humidifier, tube, and face mask.				

		Portable oxygen:				
		5-liter cylinder with a carrying bag, with a place for placement and fixation in the ambulance, with a pressure reducer with a quick connector (DIN standard) for connecting the lung ventilator, with a flow meter, with a maximum capacity of at least 15 l/min, with a control valve, tube, and face mask – 1 piece.				
		2-liter cylinder with a carrying bag, with a place for placement and fastening in the ambulance, with a pressure reducer with flow meter, with a maximum capacity of at least 15 l/min, with a control valve, tube, and face mask – 1 pc.				
		Aspirator – portable, electric, equipped with a carrying case and a power supply and mounting system for use in an ambulance – 1 unit:				
		Resistant to drops, impacts, water, and disinfectants;				
		Features a built-in vacuum regulator;				
		Robust, portable, compact;				
		Electric operation powered by a built-in battery;				
		Continuous operation mode, powered by the built-in battery or connected to a power source;				
		Battery runtime of at least 60 minutes;				
		Power supply: 220V, 12V with adapter;				
		Maximum suction airflow: 30 L/min; minimum pressure: 600 mmHg;				
		Minimum capacity of the reusable reservoir – 1 L;				
		Alarm and monitoring system for battery status and connection to the power supply;				
		Supplied in a kit with a 12 V connection cable, 1 reusable silicone tube 1.5–2 m long, and at least 5 antibacterial filters.				
		Emergency and transport ventilator – 1 unit				
		Installation and power supply:				
		The ventilator will be mounted on a removable bracket, positioned on the left side wall, near the patient's head.				
		12 V DC (direct current) power supply.				
		Connection to the ambulance's oxygen system via a standard DIN quick-connect coupling, installed next to the ventilator mount.				
		The same connection hose can also be used to connect to a portable oxygen cylinder.				
		Display and parameters				

		The ventilator will be equipped with a display that allows respiratory parameters to be displayed both numerically and graphically.				
		Ventilation features				
		Controlled and assisted ventilation, as well as support for spontaneous breathing in adult and pediatric patients (starting from a minimum weight of 5 kg).				
		Invasive and non-invasive ventilation modes, pressure- and volume-controlled, including at least:				
		SIMV				
		IPPV				
		CPAP				
		BIPAP				
		Adjustment of the oxygen fraction in the inspired air to a minimum of 100% and 50%.				
		PEEP adjustable between 0–20 mbar				
		Backup power supply				
		The ventilator shall be equipped with a built-in battery, ensuring a minimum operating time of 4 hours on a full charge.				
		Alarm systems				
		The ventilator shall have minimum alarms for:				
		High/low pressures in the patient circuit.				
		Apnea.				
		Obstruction.				
		Gas supply pressures outside limits.				
		Low battery.				
		Required accessories				
		Test bag				
		A carrying case that allows the ventilator to be used and the patient to be treated outside the ambulance.				
	7.3 Monitoring/ Defibrillation /Diagnostic Equipment	***Defibrillator/Monitor – 1 unit***				
		Biphasic defibrillation for adults and children;				
		Minimum IP 55 ingress protection.				
		Manual external defibrillator				
		Availability of semi-automatic mode				
		Display and audio in Russian and English (by switching);				

		External pacing				
		Monitoring: 3-lead ECG, capnography, pulse oximetry, non-invasive blood pressure, and a display showing parameters; capnometry.				
		12-lead diagnostic ECG;				
		Adult/pediatric pulse oximetry, with a reusable finger sensor, supplied with 50 single-use sensors for each patient type.				
		Non-invasive blood pressure – at least 3 different cuff sizes must be supplied (adult, pediatric, and obese);				
		Battery charging from 220 V and 12 V AC networks				
		The defibrillator must be capable of charging directly from the ambulance's 12 V DC power source (without the use of converters) in the wall mount. Connection to and disconnection from the device's 12 V power source shall occur automatically upon insertion of the device into the mount;				
		The monitor must operate on rechargeable batteries with a minimum runtime of 6 hours;				
		The defibrillator must be equipped with a print module, integrated directly into the device;				
		Must possess an in-built monitor, HD colour of minimum 7 inches.				
		Must allow displaying and visual supervision: ECG route, Pacemaker detection, AED mode, SpO2 values, noninvasive blood pressure, battery status, alarm status, day, date, must to count and record each defibrillation shock.				
		Must possess a fast and safe access to menu for the options and the shocks power.				
		Operating time: Defibrillator/pacemaker mode: approx. 200 shocks at 200 joules.				
		User-accessible monitoring history				
		The defibrillator will also be supplied with a dedicated carrying case with a shoulder strap, specially compartmentalized for the storage/transport of all cables (pre-assembled) and necessary accessories, including reusable defibrillation pads for adults and children.				
		Energy output from 5 to 200 joules, configurable protocol, rapid operation.				
		Single-use defibrillation and pacing electrodes: minimum 20 for adults and 10 for children				
		Adapters/sensors for CO_2 monitoring: minimum 25				
		Printer paper: minimum 10 rolls				
		Single-use ECG electrodes: 300				
		ECG device with bag for transport:				

		Technical description:				
		Built-in color LCD screen, available to display 3,6,12 leads.				
		Multiple linguistic support (Russian and English).				
		ECG wave preview, self-diagnosis and the possibility to print the results.				
		To possess a software compatible with PC.				
		The doctor must be able to visualize the ECG wave sent from the ambulance to the hospital`s PC station.				
		USB flash disk – for recording data and back-up.				
		~~To possess the calibration system.~~				
		Availability of detection and protection systems from the cardiac stimulator and the shock defibrillator				
		Functions for Auto Measure and Auto Diagnosis.				
		Simultaneous recording on 3 channels, amplification and recording.				
		Built-in thermal printer.				
		ECG wave editing, receiving, recording speed, patient information and report regarding the performed measurements.				
		AC and DC power supply.				
		Rechargeable battery with lithium-ion battery, minimum 2 hours of continuous operation.				
		Internal memory for 300 ECG waves.				
		Built-in SD card or USB of 2 GB, which allows to record over 10000 ECG waves.				
		Online update software available on request.				
		Automatic measurement and interpretation, automatic testing, verification of the acquisition channels format3×4, 3×4+1R, 3×4+3R, 6×2, 6×2+1R, 12×1, 12×1+T.				
		The selectable working modes: manually / automatic / rhythm function.				
		Notify the connection error of the cables or positioning / detachment of the measuring electrode.				
		High precision digital filters.				
		Built-in Wi-Fi mode (2.4 CHz band frequency) that allows the online transmission of ECG waves.				
		ECG recording channels: standard 3, 6, 12 channels.				
		Accuracy ±2%.				
		Calibration Voltage - 1mV ± 1%.				
		Input Impedance 50MΩ.				
		Circuit Input Current< 50nA.				

		Stabilization of the reference base – automatic.				
		Input / external output:				
		Input ≥100 KΩ sensitivity10mm/V ±5%;				
		Output: ≤100Ω, sensitivity 1V/mV ±5%.				
		Recording speed 25 mm /s 50 mm/s.				
		Delivered accessories:				
		supply cable-1pice;				
		patient cable-1 piece;				
		reusable chest electrodes of pear type-6 pieces;				
		clips type reusable electrodes for extremity- 4 pieces;				
		printer paper-5 rolls of paper minimum;				
		~~grounding cable-1 piece;~~				
		~~Fuses-2 pieces;~~				
		PC connection cable-1 piece;				
		Supply cables: AC-1 piece and DC-1 piece.				
		User guide in Russian and English.				
		The weight of the device is maximum 3,5 kg together with the transport bag				
		Automatic electric syringe with built-in battery - 2 pieces				
		Technical description:				
		Digital control for maximum precision and safety;				
		Compatible with 10 ml, 20 ml, 30 ml, and 50/60 ml syringes, with automatic syringe recognition to accommodate syringes from different manufacturers;				
		Capable of automatically calculating the flow rate after entering the infusion volume and administration time;				
		Allows for bolus infusion on demand, with a preselected volume and an accuracy of at least ±2%;				
		Includes dose calculation;				
		Features a medication library;				
		Infusion rate is 0.1–100 ml/hour.				
		Monitoring system for				
		Battery status;				
		Connection to the main power source (12 V DC or 220 V AC);				

		Occlusion pressure level;				
		Preselected time;				
		Operating status				
		Unit of measurement for dosage/flow rate;				
		Infused volume;				
		Time remaining.				
		Alarm system:				
		Preset alarm in case of occlusion or pressure exceeding limits;				
		Alarm for incorrect insertion of infusion solutions;				
		Device malfunction;				
		When the alarm is triggered, the injector will automatically stop.				
		Delivery configuration:				
		Electric syringe;				
		Rechargeable Li-ion battery;				
		With ceiling-mounting mechanism directly above the patient;				
		AC power cord - 1 pc.;				
		Syringe kit for startup and calibration.				
		Portable Pulse Oximeter				
		Description:				
		Device which non-invasively measures the oxygen level (oxygen saturation) in the capillary blood and heart frequency by using the photometric method;				
		The heart rate is calculated automatically and is displayed based on the performed measurements;				
		The pulse oximeter must to insure a high reading accuracy regardless of the patient's type, the skin's condition, even in the conditions of repetitive movements of the arm on which the sensor is mounted or if the infusion flow is low.				
		Parameters:				
		Compact, portable device, which will be used in the emergency service/ambulance.				
		Resistant to falls, hits, shock, scratches.				
		The possibility to be attached in the ambulance, mechanism of attachment included.				
		Visual and audio alarms.				

		Audio signal: sensor off, sliding sensor, battery discharge.				
		The setting of alarm limits.				
		The total recording time in the memory of 72 hours.				
		Supply from the battery - accumulator with a lifetime of minimum 60 hours.				
		~~Weight maximum 200 g (without batteries).~~ Weight maximum 300 g (with batteries).				
		Operation temperature ~~-20~~ 0 ˚C - +50 ˚C.				
		Relative humidity of 15 - 90%.				
		Patient type:				
		adult;				
		child;				
		newborn.				
		Sensor SpO2:				
		Reusable separately, with the possibility of automatic replacement and recognition;				
		Equipped for utilization with reusable sensors as well as with disposable sensors				
		Displays:				
		LSD or TFT screen, colour minimum ~~2,8~~ 2,4 inches.				
		Pulse value – yes.				
		SpO2 wave – yes.				
		Signal power – yes.				
		Battery level – yes.				
		Error message – yes.				
		SpO2 criteria:				
		Measurement area 1-100%.				
		Measurement accuracy ±2%.				
		Heart rate (HR).				
		Measurement interval 30-235 beats/min.				
		Measurement stage 1 beats/min.				
		Alarms:				
		Audio and visual.				
		SpO2 : high level and low level.				
		Pulse: high level and low level				

		Disconnected sensor.				
		Discharge of the battery.				
		Stopping of alarm.				
		To possess the following functions				
		Manual or automatic reactivation method.				
		Volume control.				
		Self-testing.				
		Delivery:				
		Internal battery – yes.				
		Rechargeable with charger – yes.				
		Portable Pulse Oximeter				
		Accessories and consumables:				
		SpO2 reusable sensor, adult - 1 piece.				
		SpO2 reusable sensor, child - 1 piece.				
		SpO2 disposable, adult - 50 pieces.				
		SpO2 disposable sensor, child - 50 pieces				
		User guide (in Russian and English).				
		Pressurized IV drip stand – 1 unit				
		IV drip holder – 1 unit				
		Mounted on the ceiling of the ambulance, without a swing arm				
		Minimum of 3 IV bags and bottles				
		Mounted outside the stretcher holder				
	7.4 Medical supplies (minimum requirements):	**Mattress with handles for patient transfer, made of washable material, with a minimum width of ~~90~~ 76 cm – 1 piece.**				
		Bag/backpack for portable equipment, made of waterproof, easy-to-clean fabric, with reflective strips; equipped with a spacious compartment, divided by removable dividers. On the outside, it has 2 side pockets and 1 front pocket, handles with supports, and a shoulder strap with an adjustable support.				
		Contents:				
		AMBU bag (1 adult, 1 child) with 3 masks (1 adult, 1 child, 1 newborn);				

		Oropharyngeal airway kit, minimum 6 sizes;				
		Tracheoesophageal double lumen tube (Combitube) 41 Fr – 1 unit and 37 Fr - – 1 unit				
		Reusable laryngoscope with blades of various sizes for adults and children – 1 set;				
		Magill forceps in 2 sizes (adult and child) – 1 set;				
		Manual mechanical suction device – 1 unit;				
		Blood pressure cuff with stethoscope – 1 unit;				
		Manual hemostatic tourniquet – 1 unit;				
		Rechargeable 1-liter oxygen cylinder with regulator and flowmeter - 1 unit.				
		The sets mentioned above will be mounted in a location where they are easily accessible, without obstructing the workspace around the patient. Their placement will be discussed with the buyer prior to their final installation in the patient compartment.				
	7.5 Auxiliary materials and devices:	**Seatbelt cutter with a window-breaking hammer (could be 2in1 unit)– 2 units (1 unit installed in the driver's cab and 1 unit installed in the patient compartment).**				
		Medical "safety scissors" – 1 unit				
		Reflective triangle – 2 pcs.				
		Portable flashlight with rechargeable battery via 12V or 220V outlet – 1 pc.				
		2-liter fire extinguisher – 2 pcs.				
		Set of rubber mats in the driver's cab.				
		Towing strap (with a minimum towing capacity of 5,000 kg)				
		Set of snow chains				
		Vehicle owner's manual in Russian and English.				
8	WARRANTY	**All equipment must be covered by a warranty of at least 36 months from the date of signature of the acceptance document. The vehicle must be covered by a warranty certificate of at least 200,000 km or 24 months (whichever comes first)** that would allow servicing of the vehicle in Republic of Moldova.				
9	SERVICE AND MAINTENANCE	**All bidders shall ensure the availability of the necessary technical facilities for servicing both ambulances and medical equipment, in accordance with the manufacturer's general warranty terms and user manual.** **Maximum response time for technical service: 48 hours from the**				

		time of the request. **Maximum duration of corrective measures: 72 hours in total.** **Technical servicing and routine repairs will be performed on a priority basis. The winning contractor will provide technical servicing and maintenance of ambulances, ensuring corrective measures (repairs) within 14 calendar days, regardless of the type of repair(s).** **Temporary replacement of equipment must be provided in accordance with the periods mentioned above.** **During the warranty period, upon the user's reasonable request, the repair, adjustment, and maintenance of medical equipment and vehicles, in accordance with the specifications in the manufacturer's manuals, shall be performed free of charge.** **Parts and labor are free of charge, except for vehicle consumables as specified by the manufacturer.**				
10	**AVAILABILITY OF SPARE PARTS**	**Each bidder assumes, on its own responsibility, the availability of spare parts, accessories, and consumables for all items offered on the Moldovan market, either free of charge or for a fee, as follows: spare parts free of charge, including installation during the warranty period. For the remainder of the period—for a fee.**				
11	**MANUALS**	**A technical manual and a user manual are required. All manuals shall be available in Russian and English.**				
12	**TRAINING**	**Upon delivery, the bidder shall ensure the training of technical and medical personnel for the ambulances (vehicles and equipment) and shall provide theoretical and practical training for the professional staff of the ambulance medical teams to ensure they possess the necessary knowledge and skills.**				
13	**REGISTRATION**	**The seller shall provide the buyer with the complete set of documents and paperwork required for vehicle registration.**				
14	**DELIVERY**	**The ambulance will be delivered on a DDP basis, in accordance with INCOTERMS 2020.** **The ambulance will be delivered as a fully functional unit (fully equipped ambulance), with a detailed specification of the equipment and devices it contains, in accordance with the delivery/acceptance certificate.** **The cost of the bid includes: the devices, packaging and transportation to the buyer's premises, installation and commissioning, technical training in operation and maintenance, and training of medical personnel.** **The cost of consumables, spare parts, and periodic maintenance during the warranty period shall be in accordance with the terms of**				

		reference.				
15		**When submitting bids, bidders shall provide a catalog with color photographs and/or sketches that accurately depict the configuration specified in the terms of reference.**				
16		**The requirements set forth in the terms of reference (technical specifications) are considered mandatory.**				

LOT 2						
Type B 4x4 Emergency Ambulance		Quantity – 1 pcs				
1	**GENERAL REQUIREMENTS**	**The ambulance meets the normative requirements for the special vehicles: by type C 4x4 ambulance, it is understood an ambulance of emergency medical service.** o **Norms and standards** **The applied legislation for the elaboration of technical specifications:** **•European Norm EN 1789/2007, A2 edition with regard to medical vehicles and equipment with subsequent amendments;** **•The medical devices meets the requirements foreseen in the European Directive 93/42/CEE regarding medical devices;** **•The medical devices fully corresponds to EN 1865 (specifications for stretchers and other equipment for transporting patients by ambulances), when other indications are not given.** **•The medical devices possess the following:** **a) declaration of conformity to the European Communities requirements issued by the manufacturer for the produced medical device;** **b) declaration of conformity to the European Communities requirements in force for produced devices, where appropriate;** **•The manufacturers of medical devices follow the quality standard ISO 9001/2008 (quality management system) with subsequent amendments.**				
	1.2 Type of the car's body	**The ambulance shall be built from a single piece of van type with an integrated cabin (added containers or compartments for patients are not allowed). The roof-superstructure made of plastic is not accepted.**				
		Ground clearance minimum ~~200~~ 170mm (not including spare wheel);				
		Overall dimensions L x W x H: **Length: maximum 6500 mm; minimum 5200 mm**				
		Width: maximum 2200 mm (not including mirrors); minimum 1900 mm (not including mirrors)				
		Height: maximum 3000 mm (measured at net weight and without antenna or flashing light/light signaling equipment)				

		Wheel Base – not ~~more~~ less than 3400 mm				
		The vehicle should be new, year of production – not earlier than 2025				
2	**PERFORMANCES** **2.1 Engine:**	**cylinder capacity 2000 cm3 ±5%;**				
		fuel: diesel;				
		Euro 6;				
		minimum 170 HP±5%;				
		The engine provides sufficient power for the ambulance, loaded to its maximum permissible capacity, to accelerate from 0 km/h to 80 km/h in 30 seconds.				
		Metal protection under the powertrain, at least in the oil pan area.				
	2.2 Security systems:	**Anti-lock braking system (ABS) with electronic system, according to the standards of the automobile industry.**				
		Electronic Stability Program (ESP).				
		Power steering (hydraulic, electro-hydraulic, or fully electric)				
		Front and rear parking assist control, audible, visual, or combined.				
		Steering wheel with 2-way adjustable column, height and depth, and steering wheel controls.				
	2.3 Traction:	**Manual gearbox, 6+1 speed or automatic.**				
		The ambulance has 4x4 traction.				
		The ambulance is equipped with steel wheels, winter/summer tires according to the season of delivery and a spare wheel which will be equipped with a tire for the season in which the ambulance will be delivered,				
	2.4 External appearance:	**The ambulance is in white colour with the following inscriptions and hallmarks:** ***On the front:*** **"AMBULANCE", printed reversed (red colour with a height of 150mm); the international Red Cross symbol (red colour with height of 300 mm and width 300 mm).** ***On the both sides of the car body:*** **the international Red Cross symbol (red colour with height of 300 mm and width 300 mm);** **"СКОРАЯ МЕДИЦИНСКАЯ ПОМОЩЬ" (red colour with a height of 150mm);** **Unique number „103" (red colour, height 240 mm);** **Bands (orange colour, height 150-230 mm each (depending on the height of the ambulance)).** ***On the back:*** **On the windows - two international Red Cross symbols (red colour with height of 300 mm and width 300 mm)** ***The inscriptions are reflective / fluorescent.***				

3	**ELECTRICAL REQUIREMENTS**					
	3.1. Visual and audible warning system	**The ambulance should have both visual and audible warning systems.**				
		The system should allow the necessary information to be transmitted to persons outside the vehicle using a microphone in the driver's cab.				
		The system should be designed so that the siren only operates when the light bar is in operation.				
		The various components of the visual warning system should be powered by a main switch that will connect the alarm system to the vehicle's electrical system.				
		The alarm system should operate even when the engine is off.				
		The light signals should comply with the technical requirements set out in R 65 ECE-UN.				
		The front of the ambulance should be equipped with a blue LED strobe light bar, fixed above the driver's cab. This will be visible from the front and sides of the ambulance. A siren speaker with a minimum power of 100W, with variable acoustic signal intensity.				
		At the rear, the ambulance should be equipped with a blue LED light bar, visible from the rear. It should be activated by a single button, the same as the one for the main light bar.				
		On each side, at the top of the ambulance, there should be three rectangular blue LED lights with flashing lights. It should be activated by a single button with the main light bar.				
		Between the main headlights, built into the radiator grille or on the hood, there should be two blue LED lights flashing, facing the front of the vehicle. This should be activated by a single button with the main light bar.				
		The right side and rear of the ambulance should each have an LED bulb, directed towards the ground at a 45° angle. It should be activated by separate buttons for each group (right side and rear) located in the driver's compartment, as well as when the door is open.				
		The siren should be activated from the driver's compartment with a general on-off button. It should also include a short warning signal, which is activated by pressing a button (horn). The siren should have a minimum power of 100 W, with variable acoustic signal intensity. All warning systems, both acoustic and light, should be controlled from a control panel.				
		The ambulance should have front and rear fog lights installed.				
	3.2. Battery and alternator	**The construction of the battery and all its connections shall be designed to prevent short circuits due to carelessness.**				
		The electrical system must be able to store a reserve of electrical energy to restart the engine. The ambulance must have at least one additional battery installed.				

		Minimum capacity/power (according to EN 1789, as amended).				
		Starting battery: nominal voltage of 12 V min. 80 Ah.				
		Additional battery: AGM/gel technology capable of withstanding multiple deep discharges and repeated charges, with a discharge warning system and a nominal voltage of 12 V min. 80 Ah.				
		Alternator: minimum power 1500 W/12 V;				
		12V-220V inverter, minimum power ~~1500~~ 1200W.				
	3.3. Electrical system	**The ambulance shall have an external connector with IP44 protection rating, allowing the battery (batteries) and other equipment and medical devices to be charged, the engine to be preheated when stationary, and the patient compartment to be heated.**				
		The 220V connector shall be of the "male" type and shall be installed on the side of the ambulance on the driver's side. Two "female" connectors shall also be supplied, with an attached cable at least 20 m long.				
		The engine cannot be started while connected to an external 220V power source.				
		The electrical system of the ambulance shall contain at least four separate subsystems, as follows:				
		Basic system for the unequipped vehicle;				
		Power supply system for medical devices;				
		Power supply system for the patient compartment;				
		Power supply system for communications.				
		Power outlets for consumers shall be provided as follows:				
		12 V outlets for medical devices in the patient compartment - minimum 4 pieces;				
		12 V outlets in the driver's cab - minimum 2 pieces;				
		220 V sockets for medical devices in the patient compartment - minimum 4 pieces, which shall be powered by a 12V DC - 220V AC inverter with a minimum capacity of ~~1500~~ 1200 W.				
		Electrical installations shall meet the following requirements:				
		All circuits in the patient compartment shall have automatic safety devices and/or separate switches designed/provided in the construction;				
		Switches shall be marked accordingly, and the function of each circuit shall be easily identifiable;				
		At least two circuits shall be installed so that a fault in the circuits does not shut off all lights or all connected medical devices;				
		Cables shall withstand more than the maximum load of the fuses or switches by at least 30%;				
		Cables and conduits must be resistant to vibration. Cables must be installed in conduits.				

		Cables shall not pass through areas where gaseous substances are used.				
		Outputs shall not be interchangeable in locations with different voltage systems.				
4	**VEHICLE BODY**					
	4.1. Fire safety:	**All materials used inside the vehicle must be fire resistant; their burning rate must be a maximum of 100 mm/min**				
	4.2 Driver's cab:	**The cab shall be equipped with the following:**				
		Windshield defrosting/demisting system that operates while the ambulance is moving or stationary.				
		An exterior windshield washing system.				
		Ventilation and air conditioning system.				
		Two sunshades.				
		A handhold for the accompanying person located near the lower corner of the windshield and a handhold above the entrance door.				
		A run-lock or similar system that allows the key to be removed from the ignition and the car to be left with all systems active but unable to move.				
		Airbags for the driver and passengers.				
		Double passenger seat.				
		Electrically adjustable and heated rearview mirrors.				
		Radio, Bluetooth.				
		Navigation system and corresponding software for the territory of the Republic of Moldova.				
		Rechargeable and detachable flashlight (battery life min. 2 h 30 min at a light output of min. 1500 lm).				
	4.3 Minimum load capacity:	**Number of seats (excluding the driver's seat):**				
		2 in the front (double bench) with seat belts;				
		2 in the rear. The seat installed in the direction of travel shall be equipped with a 3-point seat belt integrated into a 90° swivel seat with a handle and headrest, and the seat installed opposite the direction of travel shall have a 2-point seat belt, handle, and headrest. Both seats must have a weight sensor and a signal for an unfastened seat belt.				
		The stretcher shall have a seat belt fastening system, including from the head of the stretcher to the patient's shoulders. A set for children must be included.				
	4.4 Partition	**A partition shall separate the driver's compartment from the patient compartment. A sliding window shall be provided in the partition. The window shall allow direct visual contact with the driver. It shall be secured against accidental opening and shall have an opaque curtain or other devices to prevent light from the patient**				

		compartment from disturbing the driver.				
		Wall sections outside the windows above stretcher level (including cabinets and drawer fronts) shall be made of washable, disinfectant-resistant material.				
	4.5 Emergency exits	**In addition to the rear door, there shall be an alternative exit from the patient compartment, allowing for the evacuation of the patient(s) and crew.**				
	4.6 Openings (doors, windows)	**There must be at least two exits:**				
		one at the rear (swing doors)				
		one side exit (door) to the patient compartment.				
		Open position:				
		Rear doors must open to 250-270°.				
		All openings shall be equipped with seals to prevent water infiltration.				
		The loading angle of the stretcher shall be a maximum of 16°.				
		The ambulance doors shall be equipped with a central locking system.				
		The exterior doors of the medical compartment shall be equipped with safety devices in accordance with the following requirements:				
		they shall be opened and closed from the inside without a key;				
		they shall be opened and closed with a key from the outside, as if they were locked from the inside;				
		the key may be mechanical or non-mechanical, if there is a central locking system.				
		There must be at least two exterior windows in the patient compartment, one on the right side and one on the rear. The window on the side shall be a sliding window.				
		The windows must be positioned so as to ensure patient privacy, and 1/3 of the top of the window will allow a view to the outside.				
		If the doors in the patient compartment are not completely closed or are open, an audio and visual signal shall alert the driver.				
5	**PATIENT COMPARTMENT**					
	5.1 General requirements	**The patient compartment must be designed and constructed in such a way as to provide the necessary space for the medical devices mentioned below.**				
		The ceiling, interior walls, and doors of the patient compartment must be made entirely of or covered with washable materials that are resistant to disinfection.				
		The material used inside the ambulance (patient compartment) must meet the requirements set out in standard EN 1789.				
		The ambulance compartment must be designed so that 2-4 people can work in an upright position in comfortable conditions.				

		The edges of surfaces must be designed to prevent the penetration of fluids. If the floor does not allow for the drainage of fluids, one or more drains with plugs must be available.				
		Open shelves must be designed with rounded edges. Drawers must be secured against accidental opening.				
		The ambulance must be equipped with a compartment for medicines designed with a safety lock.				
		The ambulance must be designed with one or more handholds positioned above the support on the longitudinal axis.				
		There must be two handholds positioned near the patient compartment doors:				
		one handhold installed on the partition wall near the side door;				
		the second handhold installed on the side wall near the rear doors.				
		Access to the medical compartment through the rear doors must be facilitated by a plastic step integrated into the rear bar of the vehicle (solution provided by the chassis manufacturer).				
		Entry into the medical compartment through the side door must be facilitated by a retractable metal step, operated mechanically or electrically.				
		Maintenance equipment (e.g., spare wheel or toolbox) shall not be accessible from inside the patient compartment.				
	Description	**With regard to the medical compartment from the rear door of the vehicle, the following specifications must be observed:**				
		The left wall (on the driver's side) shall be used for attaching medical equipment or supports and chargers for portable medical equipment, such as the defibrillator and its attachments, aspirators, oxygen supply system – flow meter, humidifier. All devices installed on the left side wall must be manually accessible and visible to the person sitting in the seat at the head of the stretcher. A cabinet for medical supplies shall be provided. This area will also have a built-in storage compartment for IV fluids heated to 37 degrees, equipped with a thermostat, as well as a built-in cooled container (refrigerator or cooled drawer that allows the temperature to be maintained at approximately 4 degrees Celsius) for storing biological material and heat-sensitive medications.				
		On the right side wall, in the upper half of the stretcher, a folding seat shall be attached for the accompanying person, with the possibility of rotating towards the stretcher; the seat belt shall be attached to the seat. Some immobilization equipment should be able to be attached to this wall behind the accompanying person's seat.				
		The ceiling of the medical compartment shall be used to attach the support for infusions and the holder for two automatic electric syringes.				
		The partition wall shall be used to attach a folding chair with its back facing the direction of travel. There shall also be a special place in this area for storing the backpack with resuscitation/examination				

		equipment. It will be easily accessible from the outside by opening the side door. This area should also contain a container for sharp objects, a dispenser for disinfectants, and a holder for paper towels.				
		The stretcher holder shall be placed in the middle of the patient compartment with the possibility of sliding left/right.				
		Two attached oxygen cylinders, each with a capacity of 10 l, shall be placed in a well-defined location in the medical compartment in an area that allows for easy replacement.				
		Two mobile oxygen cylinders, one with a capacity of 5 l, shall have a special place for attachment to the stretcher, and the other with a capacity of 2 l shall have its own carrying bag.				
		The wheelchair with patient restraint system shall be installed in the rear, which is easily accessible.				
		The floor shall be chosen to provide adequate grip for the accompanying person, including when wet; it shall be durable and easy to clean.				
		The interior of the fully equipped patient compartment shall be designed to minimize the risk of injury.				
		All lighting, heating, cooling, and ventilation systems shall be centrally controlled via a touch display.				
	5.2 Compartment dimensions	**Minimum length: 3200 mm, at stretcher level, excluding the length of any cabinets, drawers, and other furniture located near the partition wall.**				
		Minimum height: 1800 mm, in the work area with the stretcher.				
		Minimum width:				
		Total, including cabinets - minimum 1700 mm;				
		Minimum width of usable surface - minimum 1400 mm (according to EN 1789).				
	5.3 Requirements	**Height: 400 mm – 500 mm from the floor**				
		Width: at least 450 mm;				
		Depth: at least 350 mm;				
		For the seat backrest:				
		Height: at least 750 mm;				
		Width: at least 450 mm.				
	5.4 Ventilation system	**A ventilation system shall be available to ensure a minimum of 20 air changes per hour in the patient compartment.**				
	5.5 Heating and cooling systems	**In addition to the driver's cab heating, an independent, adjustable system for heating the air in the patient compartment shall be available. The system shall consist of three separate subsystems:**				
		Independent heating unit, operational when the engine is running or switched off.				
		Electric heating radiator, operational when the ambulance is				

		stationary and connected to a 220 V power supply.				
		These shall be equipped with thermostats so that temperature fluctuations do not exceed ± 3 °C.				
		The system configuration shall prevent exhaust gas from entering the patient compartment.				
		In addition to the heating system, an air cooling system (air conditioning) shall be available, which shall serve the patient compartment separately.				
	5.6 Interior Lighting	**LED lighting in the patient compartment (balanced, natural light):**				
		Patient area: minimum 300 lx (adjustable);				
		Surrounding areas: minimum 50 lx.				
	5.7 Interior Noise level	**Depending on the speed of travel, the interior noise level will comply with current European regulations (in accordance with EN 1789).**				
	5.8 Infusion support system	**A foldable infusion support, mounted on the ceiling, will be equipped to support two or three vertically attached infusions and capable of maintaining their balance. The support should make maximum use of the vehicle's height above the stretcher.**				
		The support system shall have a minimum capacity of 5 kg and shall be capable of supporting three fluid bags, independently of each other (in accordance with EN 1789).				
		On the left side wall, near the electrical and oxygen outlets, a bar of sufficient length shall be installed to mount the necessary devices.				
	5.9 Systems for securing/attaching equipment in the patient compartment (EN 1789and subsequent amendments	**Without exception, all materials, such as medical devices, equipment, and objects that are commonly found in an ambulance, must be secured so that they cannot be projected when subjected to a force of minimum 10g (gravity) horizontally and vertically.**				
		The distance covered by materials when subjected to a force must not endanger the safety of persons in the ambulance.				
		If subjected to these forces, then:				
		no object shall have sharp edges that would endanger the safety of persons in the ambulance;				
		the maximum displacement of the support or any other attached component and the fastening system shall not exceed 150 mm.				
6	**MEDICAL DEVICES AND EQUIPMENT**					
	6.1 Medical device equipment	**The ambulance shall be designed and constructed to ensure:**				
		Assisted transport in conditions of maximum safety for the patient and staff;				
		The placement and attachment of medical devices.				
	6.2. Storage of medical equipment	**All equipment necessary for performing standard procedures must be stored in a place specially designed for this purpose.**				
		Basic equipment necessary for intervention outside the vehicle must be easily accessible through the ambulance doors.				

		All equipment shall be stored safely, using a fastening system to prevent impact/trauma during vehicle movement.				
	6.3 Requirements for medical devices	**General requirements:**				
		The equipment shall be designed for use both when the ambulance is in motion and when used in the field.				
		If the equipment is designed to be "portable" (except for patient transport equipment), it must be able to:				
		Be carried by a single person;				
		Have its own power source, be self-contained, and be charged in the vehicle while the vehicle is moving or stationary.				
		Be used outside the vehicle independently.				
		Temperature:				
		In the absence of other markings on the device, it must be able to operate within a temperature range of -5 °C to + 40 °C.				
		In the absence of other markings on the device, it must be able to operate for at least 20 minutes when at a temperature of -5°C.				
		Attachment of equipment:				
		It shall be attached inside the vehicle.				
		The fastening system must withstand accelerations of 10 G.				
		Electrical terminals and sockets shall not be part of the equipment fastening system.				
		Electrical safety:				
		All equipment must be selected and installed so as not to damage equipment that uses electricity.				
		User interface:				
		Buttons, switches, indicators, and control panels must be easily accessible.				
		Maintenance:				
		The manufacturer shall provide user and maintenance manuals in Russian and English.				
7	**LIST OF EQUIPMENT**					
	7.1 Equipment for patient handling and immobilization	**The support for the stretcher with fastening system with the possibility to place the stretcher laterally or in the middle with the sliding system.**				
		The main stretcher with wheels and fastening system for the patient: Meets the following criteria:				
		Length 1950mm ±20 mm.				
		Width 550±20 mm.				
		Wheel diameter minimum 200 mm.				

		To follow the requirements of the standard EN 1865-1:2010+A1:2015.				
		Composed of two removable parts: stretcher and trolley.				
		EN 1789 testing – the testing certificate must to be available.				
		Automatic release of the legs of the trolley when unloading from the ambulance.				
		Height adjustable, minimum 3 positions.				
		Position Trendelenburg and anti-Trendelenburg when the trolley is on its own wheels.				
		Adult seat belt system, including over the patient's shoulders.				
		Child safety belt system.				
		Folding support for infusions.				
		Folding lateral handles.				
		Telescopic handles for the transportation of the stretcher.				
		Wheel brakes.				
		System for folding the front and rear legs of the stroller.				
		Platform and the trolley will support a weight up to 220 kg separately or combined, including when the equipment is on the wheels.				
		Reusable mattress, made from resistant material, which allows a easy washing and disinfection:				
		Length 1950mm ±20 mm;				
		Width minimum 550 mm±20 mm;				
		Height maximum 100 mm;				
		Other parameters according to the standard EN 1865.				
		Rigid adjustable stretcher of shovel type made of aluminium:				
		With head immobilization system.				
		Adjustable on its length in at least 3 steps for patients with different heights.				
		Folding.				
		Fastening straps for the patient.				
		Complete rigid stretcher for the spine with fastening system: adult and child.				
		Head immobilizer device:				
		Made of plastic material, dense with large ear holes for monitoring the patient; impermeable material, easy to clean and disinfect.				
		Vacuum mattress - 2 pieces, 1 adult and 1 child:				
		Includes pump and repair kit.				

		The pump will have the capacity to reduce the pressure with 500 h/Pa during maximum 4 minute.				
		The minimum width for the vacuum mattress for the adult is minimum 80 cm, for the paediatric one is minimum 45 cm				
		Handles for transport.				
		Fastening straps for the patient				
		Other parameters according to the EN 1865 standard.				
		Wheel chair, with patient fastening system - supports the patient's weight up to 150 kg. Four wheels, including two wheels with braking system. Fixed to the wall or one of back doors of the ambulance. The surfaces of the backrest, and of the footrest are easily detachable. Chair weight less than 10 kg				
		Traction device for femoral fractures with a carrying bag.				
		Reusable cervical collars adult/child for the cervical immobilization, must allow the intubation, access to tracheotomy and safe medical maneuvers. In the total set of 6 pieces will be delivered: 4 adjustable pieces for adults and 2 adjustable pediatric pieces, with carrying bag.				
		KED type extrication device - 1 piece.				
		Inflatable splints and vacuum for the immobilization of upper, lower limbs - one set each with belts for pelvic immobilization - 1 piece each (set to include additional pump, carrying bag, emergency repair kit).				
		Set of rigid splints for the immobilization of upper, lower limbs with bag for transport- (2 pieces for the upper limb and 2 pieces for the lower limb).				
	7.2 Equipment/ devices for resuscitation - breathing (minimum requirements)	**Fixed oxygen installation:**				
		Oxygen cylinders: 2 cylinders of 10 liters each, with fast interconnection system:				
		Pressure reducers endowed with manometers for each cylinder.				
		2 fast connections standard DIN for respiratory assistance devices, attached on the left lateral wall.				
		Flow meter with a maximum capacity of at least 15 L/min., with adjusting valve, humidifier, tubing and facial mask.				
		1cylinder of 5 litters with stretcher attachment system, with carrying bag for protection and transportation and reducer with flow meter.				
		Portable oxygen:				
		1 cylinder of 2 litters with place for attachment and fixation in the ambulance, endowed with a bag for transport.				
		Pressure reducer with a flow meter with a maximum capacity of at least 15 l/min with adjusting valve, tubing and facial mask.				
		Ambu type of ventilation balloon: adult, child, newborn – 3 pieces (1 piece for adult, 1 piece for child, 1 piece for newborn), with a double				

		wall, 100% latex free material, in a kit with a total of 5 masks (adult – 2 pieces, child -2 pieces, newborn -1 piece).				
		Pressure limiting system for preventing overpressure.				
		Ventilation balloon for the newborn must to be self-inflating with a capacity of 250-700 ml and to ensure a minimum of 15-25 ml for each ventilation.				
		Kit for des-obstruction of respiratory tract - 2 piece (1 mouth opener, 1 tongue depressor).				
		Oropharyngeal pipe kit in dedicated packaging, composed of minimum 6 dimensions adult/child (newborn 40 mm, children 60 mm, adolescent 80mm, adult 90mm, 100mm, 110 mm) 1 piece.				
		Forceps Magill of various sizes for adult and child - 2 pieces.				
		Device for mouth insufflations with mask and anti bacterial filter, with unique sense valve, in a carrying box – 1 piece.				
		Aspirators - 2 pieces:				
		One attached to the ambulance's wall according to EN 1789;				
		One portable electrical device, endowed with a bag for transport, with powering and fixation system in the ambulance:				
		Resistant to fall, blows, water and disinfectants;				
		With a vacuum regulator incorporated;				
		Robust, portable, compact;				
		Electrical operation from the incorporated battery;				
		Continuous regimen of operation, based on the built-in battery or connected to the power supply. Battery life time is at least 60 minute;				
		220V, 12V power supply with adapter;				
		Maximum free air suction flow 30 L/min, the pressure will be minimum 600 mmHg, the minimum capacity of the reusable reservoir - 1 L;				
		Alarm and monitoring system for the battery status and connection to the power supply;				
		There is delivered in a kit with cable for connection at 12V, with minimum 2 reusable silicone tubes of 1,5-2 m in length and with antibacterial filters, minimum 5 pieces.				
	7.3 Monitoring/ Defibrillation /Diagnostic Equipment	***Defibrillator/Monitor – 1 unit***				
		Biphasic defibrillation for adults and children;				
		Minimum IP 55 ingress protection.				
		Manual external defibrillator				
		Availability of semi-automatic mode				
		Display and audio in Russian and English (by switching);				
		External pacing				

		Monitoring: 3-lead ECG, capnography, pulse oximetry, non-invasive blood pressure, and a display showing parameters; capnometry.				
		12-lead diagnostic ECG;				
		Adult/pediatric pulse oximetry, with a reusable finger sensor, supplied with 50 single-use sensors for each patient type.				
		Non-invasive blood pressure – at least 3 different cuff sizes must be supplied (adult, pediatric, and obese);				
		Battery charging from 220 V and 12 V AC networks				
		The defibrillator must be capable of charging directly from the ambulance's 12 V DC power source (without the use of converters) in the wall mount. Connection to and disconnection from the device's 12 V power source shall occur automatically upon insertion of the device into the mount;				
		The monitor must operate on rechargeable batteries with a minimum runtime of 6 hours;				
		The defibrillator must be equipped with a print module, integrated directly into the device;				
		Must possess an in-built monitor, HD colour of minimum 7 inches.				
		Must allow displaying and visual supervision: ECG route, Pacemaker detection, AED mode, SpO2 values, noninvasive blood pressure, battery status, alarm status, day, date, must to count and record each defibrillation shock.				
		Must possess a fast and safe access to menu for the options and the shocks power.				
		Operating time: Defibrillator/pacemaker mode: approx. 200 shocks at 200 joules.				
		User-accessible monitoring history				
		The defibrillator will also be supplied with a dedicated carrying case with a shoulder strap, specially compartmentalized for the storage/transport of all cables (pre-assembled) and necessary accessories, including reusable defibrillation pads for adults and children.				
		Energy output from 5 to 200 joules, configurable protocol, rapid operation.				
		Single-use defibrillation and pacing electrodes: minimum 20 for adults and 10 for children				
		Adapters/sensors for CO_2 monitoring: minimum 25				
		Printer paper: minimum 10 rolls				
		Single-use ECG electrodes: 300				
		ECG device with bag for transport:				
		Technical description:				

		Built-in color LCD screen, available to display 3,6,12 leads.				
		Multiple linguistic support (Russian and English).				
		ECG wave preview, self-diagnosis and the possibility to print the results.				
		To possess a software compatible with PC.				
		The doctor must be able to visualize the ECG wave sent from the ambulance to the hospital`s PC station.				
		USB flash disk – for recording data and back-up.				
		~~To possess the calibration system.~~				
		Availability of detection and protection systems from the cardiac stimulator and the shock defibrillator				
		Functions for Auto Measure and Auto Diagnosis.				
		Simultaneous recording on 3 channels, amplification and recording.				
		Built-in thermal printer.				
		ECG wave editing, receiving, recording speed, patient information and report regarding the performed measurements.				
		AC and DC power supply.				
		Rechargeable battery with lithium-ion battery, minimum 2 hours of continuous operation.				
		Internal memory for 300 ECG waves.				
		Built-in SD card or USB of 2 GB, which allows to record over 10000 ECG waves.				
		Online update software available on request.				
		Automatic measurement and interpretation, automatic testing, verification of the acquisition channels format3×4, 3×4+1R, 3×4+3R, 6×2, 6×2+1R, 12×1, 12×1+T.				
		The selectable working modes: manually / automatic / rhythm function.				
		Notify the connection error of the cables or positioning / detachment of the measuring electrode.				
		High precision digital filters.				
		Built-in Wi-Fi mode (2.4 CHz band frequency) that allows the online transmission of ECG waves.				
		ECG recording channels: standard 3, 6, 12 channels.				
		Accuracy ±2%.				
		Calibration Voltage - 1mV ± 1%.				
		Input Impedance 50MΩ.				
		Circuit Input Current< 50nA.				
		Stabilization of the reference base – automatic.				

		Input / external output:				
		Input ≥100 KΩ sensitivity10mm/V ±5%;				
		Output: ≤100Ω, sensitivity 1V/mV ±5%.				
		Recording speed 25 mm /s 50 mm/s.				
		Delivered accessories:				
		supply cable-1pice;				
		patient cable-1 piece;				
		reusable chest electrodes of pear type-6 pieces;				
		clips type reusable electrodes for extremity- 4 pieces;				
		printer paper-5 rolls of paper minimum;				
		~~**grounding cable-1 piece;**~~				
		~~**Fuses-2 pieces;**~~				
		PC connection cable-1 piece;				
		Supply cables: AC-1 piece and DC-1 piece.				
		User guide in Russian and English.				
		The weight of the device is maximum 3,5 kg together with the transport bag				
		Automatic electric syringe with in-built battery				
		Delivered configuration:				
		Electric syringe;				
		Li Ion in-built rechargeable battery;				
		Bar fixing mechanism;				
		Automatic recognition of mode and of software for syringe				
		Supply cable AC - 1 piece;				
		Kit of syringes for starting and calibration				
		Technical description:				
		The digital control to insure a maximum accuracy and safety;				
		Compatible with syringes of 10ml, 20ml, 30ml, 50ml/60ml, with automatic recognition of syringes; to be able to function with syringes of various brands;				
		To be able to automatically calculate the debit after the introduction of the infused volume and the administration time;				
		To allow the administration of the infusion in bolus at request, with a preselected volume and the accuracy of minimum +/-2%;				

		To possess an software, to include the calculation of dosage as well;				
		To possess a drug library;				
		Infusion speed is 0.1 -200 ml /hour.				
		Monitoring system for:				
		The accumulator`s status;				
		The connection to the main 220 V power source;				
		The occlusion pressure level;				
		The administration profile;				
		The preselected time;				
		The operating state;				
		The unit of dosage/flow measurement				
		The infused volume;				
		The remaining time.				
		Alarm system:				
		The preset alarm in case of occlusion, to overcome the pressure				
		The alarm for the wrong introduction of infusion solutions;				
		The device malfunction;				
		When the alarm is triggered, the injector will automatically stop.				
		Portable heating system for infusion solutions with supply at 12 V or 220V:				
		Allows the heating of at least 3 solution bags of 1 L each or 6 bags of 0,5 L each.				
		Must to be included a bag for transport, thermally isolated, with shoulder strap.				
		The thermal isolation is efficient for 2 hours from its disconnection from the power supply				
		Portable Pulse Oximeter				
		Description:				
		Device which non-invasively measures the oxygen level (oxygen saturation) in the capillary blood and heart frequency by using the photometric method;				
		The heart rate is calculated automatically and is displayed based on the performed measurements;				

		The pulse oximeter must to insure a high reading accuracy regardless of the patient's type, the skin's condition, even in the conditions of repetitive movements of the arm on which the sensor is mounted or if the infusion flow is low.				
		Parameters:				
		Compact, portable device, which will be used in the emergency service/ambulance.				
		Resistant to falls, hits, shock, scratches.				
		The possibility to be attached in the ambulance, mechanism of attachment included.				
		Visual and audio alarms.				
		Audio signal: sensor off, sliding sensor, battery discharge.				
		The setting of alarm limits.				
		The total recording time in the memory of 72 hours.				
		Supply from the battery - accumulator with a lifetime of minimum 60 hours.				
		~~Weight maximum 200 g (without batteries).~~ Weight maximum 300 g (with batteries).				
		Operation temperature ~~-20~~ 0 ˚C - +50 ˚C.				
		Relative humidity of 15 - 90%.				
		Patient type:				
		adult;				
		child;				
		newborn.				
		Sensor SpO2:				
		Reusable separately, with the possibility of automatic replacement and recognition;				
		Equipped for utilization with reusable sensors as well as with disposable sensors				
		Displays:				
		LSD or TFT screen, colour minimum ~~2,8~~ 2,4 inches.				
		Pulse value – yes.				
		SpO2 wave – yes.				
		Signal power – yes.				
		Battery level – yes.				
		Error message – yes.				
		SpO2 criteria:				
		Measurement area 1-100%.				

		Measurement accuracy ±2%.				
		Heart rate (HR).				
		Measurement interval 30-235 beats/min.				
		Measurement stage 1 beats/min.				
		Alarms:				
		Audio and visual.				
		SpO2 : high level and low level.				
		Pulse: high level and low level				
		Disconnected sensor.				
		Discharge of the battery.				
		Stopping of alarm.				
		To possess the following functions				
		Manual or automatic reactivation method.				
		Volume control.				
		Self-testing.				
		Delivery:				
		Internal battery – yes.				
		Rechargeable with charger – yes.				
		Portable Pulse Oximeter				
		Accessories and consumables:				
		SpO2 reusable sensor, adult - 1 piece.				
		SpO2 reusable sensor, child - 1 piece.				
		SpO2 disposable, adult - 50 pieces.				
		SpO2 disposable sensor, child - 50 pieces				
		User guide (in Russian and English).				
		Stethoscope:				
		The following configuration:				
		Double capsule.				
		Double way.				
		Tube’s length: 45-65 cm.				
		Diaphragm diameter: 35-45 mm.				

		Delivered with a set of spare accessories: 2 membranes and 2 olive sets.				
		Manual tensiometer with minimum 5 cuffs (3 adult and 2 child) with bag for transport.				
		Lamp for pupils of the eye examination with battery – 1 piece.				
		Reflex hammer - 1 piece.				
		The infusion mounting system – 10 pieces				
		Refrigerated bag for thermolabile medicines:				
		Inner dimension (L * W * H): 180 * 100 * 80 mm (+/- 20 mm);				
		External dimension (L * W * H): 240 * 170 * 195 mm (+/- 20 mm);				
		LCD temperature display.				
		Units of measurement: oC and oF				
		With the possibility to adjust the temperature.				
		Operating mode between +2 oC and +8 oC;				
		Possibility to work in the environment with a minimum temperature: +35 oC				
		LCD size: min 58 * 18 mm;				
		Net weight: 3-5 kg;				
		Volume: min 1.5 L;				
		Total weight (with accessories): 5-6 kg				
		Accessory:				
		Internal battery (16000mAh) - 2 pcs;				
		Car adopter - 1 piece;				
		Charger - 1 pc;				
		Adjustable shoulder strap - 1 piece;				
		Cover for accessories - 1 piece;				
		Power:				
		AC: voltage: 100V-240V,				
		DC: Voltage: 12V,				

		Battery: Voltage: 7.4V, Capacity (lithium battery) - min 16000 mAh;				
		Input / output voltage (adapter) AC100V-240V / DC9.0V;				
		Voltage (lithium battery) - DC 7.4V;				
		Battery working time: min 6 hours;				
		Support AC110 ~ 240V, DC12V.				
		The interior will be equipped with a horizontal dividing support for medicines of 1-10ml (min 20 amp.)				
		With special place, well fixed in the patient's compartment with the possibility of 220V or 12V power supply.				
	7.4 Sanitary materials (minimum requirements)	**Minitracheostomy kit-1 piece.**				
		Mattress with handles for patients transfer, made of washable material, minimum width 80 cm -2 pieces.				
		Kit for amputated limbs + container for replanting with maintaining of the internal temperature at -2 - +4°C, for at least 2 hours -1 piece.				
		Bag /rucksack for portable equipment made of impermeable textile, easy to clean, with reflective strips, foreseen with a spacious compartment divided by removable separators. On the exterior it has 2 lateral and 1 frontal pockets, support with the handles and adjustable shoulder strap with the pad.				
		Composition:				
		Type AMBU balloon (1 adult, 1 child) with 5 masks (3 adult, 2 children);				
		Kit of oropharyngeal pipes, minimum 6 sizes;				
		Reusable Laryngoscope with blades of various sizes adult and child – 1 piece				
		Magill forceps, 2 sizes adult and child;				
		Mechanical manual vacuum, 1 piece;				
		Tensiometer with stethoscope, 1 piece;				
		Manual tourniquet system – 1 piece. It must be easy, portable, to possess a manual pump with manometer in the set with a reusable cuff for adult and child, with a connection tube of minimum 1m (in length), with dedicated bag.				
		Rechargeable oxygen cylinder 1 L, with the reducer and flow meter - 1 piece.				
		The kits mentioned above will be attached in the place where they will be easily accessed, but without affecting the working space around the patient. Their location will be discussed with the beneficiary before the final execution of attachment works in the patient's compartment.				

	7.5 Auxiliary materials and devices:	**Safety belts cutting device (could be 2in1 unit together with hammer to break the window – 1 piece.**				
		Medical scissors of type „safety boy" – 1 piece.				
		Reflective triangle- 2 pieces.				
		Flexible projector – 1 piece, able to be connected at 12 V in the driver's cabin.				
		Rechargeable portable lantern - 1 piece				
		Hammer to break the window (could be 2in1 unit together with safety belts cutting device) - 2 pieces, (one in the driver's cabin and another in the patient's compartment).				
		Extinguisher - 2 pieces, minimum 2 l, each.				
		Rubber mats set in the driver's cabin.				
		Traction belt of 5000kg, minimum.				
		Set of non-skid chains.				
		User guide Russian and English.				
		The margin of +/- 5% is accepted for the technical parameters of the vehicle, patient compartment and medical devices.				
8	**WARRANTY**	**All equipment must be covered by a warranty of at least 36 months from the date of signature of the acceptance document. The vehicle must be covered by a warranty certificate of at least 200,000 km or 24 months(whichever comes first)** that would allow servicing of the vehicle in Republic of Moldova.				
9	**SERVICE AND MAINTENENCE**	**All bidders shall ensure the availability of the necessary technical facilities for servicing both ambulances and medical equipment, in accordance with the manufacturer's general warranty terms and user manual.** **Maximum response time for technical service: 48 hours from the time of the request.** **Maximum duration of corrective measures: 72 hours in total.** **Technical servicing and routine repairs will be performed on a priority basis. The winning contractor will provide technical servicing and maintenance of ambulances, ensuring corrective measures (repairs) within 14 calendar days, regardless of the type of repair(s).** **Temporary replacement of equipment must be provided in accordance with the periods mentioned above.** **During the warranty period, upon the user's reasonable request, the repair, adjustment, and maintenance of medical equipment and vehicles, in accordance with the specifications in the manufacturer's**				

		manuals, shall be performed free of charge. **Parts and labor are free of charge, except for vehicle consumables as specified by the manufacturer.**				
10	**AVAILABILITY OF SPARE PARTS**	**Each bidder assumes, on its own responsibility, the availability of spare parts, accessories, and consumables for all items offered on the Moldovan market, either free of charge or for a fee, as follows: spare parts free of charge, including installation during the warranty period. For the remainder of the period—for a fee.**				
11	**MANUALS**	**A technical manual and a user manual are required. All manuals shall be available in Russian and English.**				
12	**TRAINING**	**Upon delivery, the bidder shall ensure the training of technical and medical personnel for the ambulances (vehicles and equipment) and shall provide theoretical and practical training for the professional staff of the ambulance medical teams to ensure they possess the necessary knowledge and skills.**				
13	**REGISTRATION**	**The seller shall provide the buyer with the complete set of documents and paperwork required for vehicle registration.**				
15	**DELIVERY**	**The ambulance will be delivered on a DDP basis, in accordance with INCOTERMS 2020.** **The ambulance will be delivered as a fully functional unit (fully equipped ambulance), with a detailed specification of the equipment and devices it contains, in accordance with the delivery/acceptance certificate.** **The cost of the bid includes: the devices, packaging and transportation to the buyer's premises, installation and commissioning, technical training in operation and maintenance, and training of medical personnel.** **The cost of consumables, spare parts, and periodic maintenance during the warranty period shall be in accordance with the terms of reference.**				
15		**When submitting bids, bidders shall provide a catalog with color photographs and/or sketches that accurately depict the configuration specified in the terms of reference.**				
16		**The requirements set forth in the terms of reference (technical specifications) are considered mandatory.**				

I, the undersigned, certify that I am duly authorized to sign this quotation and bind the company below in event that the quotation is accepted.	
Exact name and address of company Company NameClick or tap here to enter text. Address: Click or tap here to enter text. Phone No.: Click or tap here to enter text. Email Address: Click or tap here to enter text.	Authorized Signature: _____ _____ Date: Click or tap here to enter text. Name: Click or tap here to enter text. Functional Title of Authorised Signatory: Click or tap here to enter text. Email Address: Click or tap here to enter text.