# ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER

**Contract title:** Supply contract for “ The Procurement of one universal firefighter truck 5000 Liters”, in the framework of the project “Fireprep”.

**Publication reference:** Interreg IPA CBC PROGRAMME, Greece – Albania 2014-2020/ “Fireprep” / Prot.No.2869, Order.No.16,date 01.06.2023

Columns 1-2 should be completed by the contracting authority

Columns 3-4 should be completed by the tenderer

Column 5 is reserved for the evaluation committee

Annex III - the contractor's technical offer

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

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

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

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

| 1.Item number | 2.Specifications required | 3.Specifications offered | 4. Notes, remarks, ref to documentation | 5.Evaluation committee’s notes  |
| --- | --- | --- | --- | --- |
| Vehicle  | UniversAL firefighter vehicle 5000 liters |
| CHASSIS | WILL BE PROVIDED BY ORDERING PARTY |
| *GVW* | 33 000kg |
| *WHEELBASE* | 4500 mm |
| *AXLE CONFIG.* | 4x2 |
| *PTO* | Including |
| **DRIVE HAND** | Left Hand  |
| **ENGINE POWER** | **250 T7** |
| **GEARBOX TYPE** | **6 SPEED + PTO GVW GROSS VEHICLE** |
| **TYRES** | **European Standard** <https://ec.europa.eu/info/energy-climate-change-environment/standards-tools-and-labels/products-labelling-rules-and-requirements/energy-label-and-ecodesign/energy-efficient-products/tyres_en>**, NEW ONE, 0 km** |
|  |  |
| **CONDITION** **PLACE OF ORIGIN** |  **New , 0 km****EUROPEAN UNION COUNTRIES** |
| **REGISTRATION VEHICLE DATE**  | **2022 and later**  |
| **ENGINE**  | **DIESEL**  |
|  |

|  |  |
| --- | --- |
| **SUBFRAME** | * The firefighting superstructure will be mounted on to a sub frame.
* The mounting will be done by suitable apparatus and there will be no welding between the main chassis and subframe
* The subframe will be manufactured from at least 6 mm st.52 carbon steel;
* Subframe will be covered by galvanize material in order to prevent corrosion
 |
| Driver's cabin | Standard cab, corrosion-protected, suitable for driver and 1 crew members. The cabin forms an entirely closed unit and is provided on each side with two large entrance doors, front hinged, with electric operated windows. Large left and right rear electric operated mirror. Driver’s seat is equipped with headrest and safety-belt and adjustable horizontally and vertically. Passenger seats are equipped with headrest and safety-belt. Interior paneling out of non-splintering material; cabin with ceiling lights automatically coming on when the doors are being opened. Windscreen and side windows are in safety glass. Floor of driver's cabin covered with a rubber mat. The entire cabin is hydraulically tiltable upwards in order to gain easy access to engine and gearbox for major repairs. Factory-fitted air conditioning system is provided. The instruments provided in the cab include: Speedometer with kilometer counter and tripmeter. Revolution counter. Coolant temperature gauge. Fuel gauge. Air pressure gauge. Front and rear fog lights warning lamps. Hazard warning light. Oil- and air pressure “low” warning light. Battery charge warning light. Parking brake “engaged” warning light. Coolant temperature “high” warning light. Switch and controls for emergency lights, siren and P.A. system. Control light and buzzer for open doors and shutters. Control light for PTO engagement. |
| Crew compartment | A separate crew cab for 4 extra crew members is provided at the front part of the superstructure, allowing easy tilting of the driver’s cab and unrestricted access to gearbox and PTO components. This crew cab consists of a inox steel and aluminium exterior panelling, adequately treated to prevent corrosion. It has two large lockable hinged doors with sliding safety glass windows, of which the lower door part is covered with protective aluminium diamond sheet or similar product. Crew cab’s lighting is coming on automatically when the doors are being opened. Interior panelling of the crew cab is out of non-splintering material, easy washable. Bolts, fixings or threads which could hinder or hurt crew members are recessed and well protected. The crew cab’s floor is covered with chequered slip-free aluminium sheet or similar product. Two large grab handles near each door, guarantee easy access for fire crew members. The crew cab is equipped with its proper air conditioning system. An intercom system is provided allowing communication between the front cab and the crew cab same as hole between both compartments. The crew cab is equipped with a large and comfortable bench which is covered with an upholstered and washable seat of min. 50 mm thickness, and can accommodate four crew members ,were two are facing forward. |
| BODYWORK | All materials used for the construction of the superstructure must be completely new and free of defects. Very close attention is paid to the choice of the different materials and the anticorrosive treatment.The bodywork of the vehicle must be made of aluminum profiles and anti-corrosion treated hotgalvanized steel or aluminum panels. Critical areas must be in closed steel tubing. The steel profiles have been treated internally against rust by means of a special injection wax. The whole body must be treated and professionally painted to give the vehicle a high resistance against rust. Underneath the vehicle an undercoat must be sprayed.The roller shutters must be made of light alloy double profiled units, which must be fixed together by means of a synthetic joint. This synthetic profile must be self-lubricating and resists extreme temperature changes. The roller shutters must be water and dust tight. A total of 5 roller shutters must be provided: 2 on each side of the vehicle and 1 at the rear of the vehicle, at the pump compartment. All materials and equipment must be fixed in such a way that damage or blocking of the roller shutters is avoided. Automatic locker illumination must be actuated by the roller shutters and/or foot boards and is controlled by a master switch with pilot light in the cabin. The floor must be covered with aluminum chequered plates. The water tank and the foam tank must be fitted between the auxiliary equipment compartment, located behind the crew cab, and the pump compartment at the rear of the vehicle. Necessary draining vents for the leaking water must be provided. To give access to the roof of the appliance, the extension ladder and the suction hoses stowed on the roof of the appliance, a stable ladder with non-slip steps must be fitted at the rear of the vehicle. The necessary protection plates and hand rails must be provided. The roof must be covered with aluminum chequered non-slippery plates and must be bordered by a gallery. A towing hook at the front and rear must be provided. All equipment must be securely fastened by means of rattle-free fixings. Heavier equipment must be fixed on telescopic runners or on sliding frames. |
| WATER TUNK | The water tank must have has a capacity of 5 000 liters, and is made of stainless steel (304L/316L), finished with a special and appropriate protective topcoat. The tank must be equipped with removable baffle walls which are incorporated along transversal and parallel sections. The water tank must be elastically mounted on the chassis runners. Further outfit: * Manhole with seal and screw locks, accessible from the roof of the truck.
* Tank to pump suction connection.
* Tank filler neck to refill the tank out of open water sources by pump. 2 Hydrant filler neck,
* 1/2" diameter, with fixed blank cap and valve.
* Overflow pipe with overflow protection, acting sd ventilation system.
* Water tank level indicator at the pump stand.
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| FOAM TANK  | The foam tank must have has a capacity of at least 100 l and is made of stainless steel (304L/316L), ISO R75 A HDT 96°C, ISO-NPG, AFFF resistant. The foam compound tank, integrated in the water tank is suitably protected with removable baffle walls. Foam compound tank outfit:* Tank to proportioning system connection with ball shut-off valve.
* Filler and drainage connection,
* " diameter with fixed and shut-off valve.
* Overflow pipe with overflow protection, also acting as ventilation system. 1 Foam tank level indicator at the pump panel.
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| FIRST AID HOSE REEL  | * There will be a hose reel at the pump compartment.
* The hose reel equipped with 1 x 40 m hose with gun.
* Hose will have 40 bar operation pressure
* The gun will have jetting & spraying functions.
* the operation of the hose reel will be manual & electrical
* A hose guide will be equipped on the reel to rewind the hose regularly
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| FIRE PUMP  | Nominal performance 1500-3000lt/min at 8-12 bars outlet pressure in low pressure and 250 lpm at 40 bar. Pump can be used for feeding from open water sources (negative pressure) or from hydrants or other pressurized water points (positive pressure). |
| ROOF MONITOR  | * Roof Monitor will be foldable type when it is not in use.
* Roof Monitor will be controlled by manually.
* Will have a capacity of 1.200 l/min at 10 bar pressure.
* Will have a nozzle which is suitable for both Jetting & Spraying functions.
* Body of Roof monitor will be aluminum.
* Roof Monitor will have a movement ability of 360° at horizontal and -15°+75° in vertical line.
* Roof Monitor will have throwing distance at least 55 m for water jetting under normal weather conditions.
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| TOP LAMP | * Led type lamps
* 12 VDC or 24 VDC operation
* Red/red
* 280 mm x 45 mm x 1450 mm ( W x H x L )
* 13 kg
* With PAS ( Public Address System)
* 4 different sound system – 100 watt capacity- mounted on the chassis cab, complete with special loudspeaker in the cab
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| **ELECTRICAL İNSTALLATİON** | * Monolithic İllumination Lamp on left side
* Monolithic İllumination Lamp on Right Side
* 6 x Blue Flashing Light on On Left Side
* 6 x Blue Flashing Light on Right Side
* 1 x İllumination Lamp on Rear
* 2 x Blue Flashing Light on Rear
* Signal Lamps are available at the rear
* 2 x Blue Flashing Light at front Side of the Vehicle
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| **PAINTING**  | * Bodywork: RAL 3000 (red)
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