MUNICIPALITY OF BITOLA

Green inter-e-mobility

**DESCRIPTION OF THE OBJECT OF THE CONTRACT**

The object of the contract is the supply of two purely electric vehicles, a five-seat utility car and a seven-seat Mini bus in the Municipality of Bitola.

In the next section the technical specifications for both vehicles are analyzed in detail.

**The five-seat utility car**

The five-seat utility car will feature air-conditioning with heat pump, intelligent cruise control, front and back electric windows, UV-protected crystals, remote control central lock, rain and light sensor, smart key and engine start button, air conditioning with dust filter and collector and e-Pedal function.

As far as safety is concerned, it will be equipped with front and rear disc brakes, immobilizer, speed limiter, ABS + EBD + Brake assist, height adjustable front belts with tensioners and load limiters, rear seat belts with tensioners and load limiters, as well as front and rear seat belt reminder system. It will include 6 airbags for accident support and stability control system, which helps maintain control. The vehicle will include systems for:

* Tire pressure check for each wheel
* Blind spot warning
* Active traction control
* Start-up assist

The highest speed of the car will reach 144km/h, while its maximum power will be 110kW/150 horsepower with a maximum torque of 320Nm.

The total length of the car will not exceed 4490mm, while the width of the car will not exceed 2030mm with the mirrors and 1788mm without them. Its height will reach 1530mm without load. The gross vehicle weight will be 1995kg.

The battery will be 40kWh lithium-ion.

The combined cycle autonomy will be 270km and for the city cycle 389km.

**The seven-seat mini-bus**

The seven-seat mini bus will have five doors and an automatic gearbox. The motion will be transmitted to the front wheels. Its gross weight will not exceed 2250kg, and the tare weight 1761kg. The maximum useful load will be at least 489kg. The maximum roof load will be 100kg.

The vehicle will have an AC synchronous electric motor. Maximum engine power will deliver 80kW/109 horsepower and a peak torque of 254Nm at 10500rpm. The highest speed reaches 123km/h and accelerates in 14sec. It will have mechanically sliding doors and a back door that is opening upwards.

It will also have air-conditioning and windshield wipers with intermittent operation. The vehicle will be equipped with an immobilizer, central door lock, battery overload protection, front and rear disc brakes, ABS + EBD, daytime lights and LED back lights, tire pressure control system. In addition, the vehicle will be able to fold its seats.

Its overall length will not exceed 4560mm, while the width will not exceed 2011mm with mirrors and 1755mm without them. Its height (without load) will reach 1850mm and the wheelbase will be 2725mm. The distance from the ground will be 153,4mm.

The type of the battery of the vehicle will be "Laminated lithium ion", rated voltage of 360V, capacity of 40KWh and 192 cells.

Mixed cycle autonomy will be 200km, while city cycle autonomy will exceed 300km.

**ECONOMIC OBJECT OF THE CONTRACT**

Financing.......

Τα προς προμήθεια είδη κατατάσσονται στους ακόλουθους κωδικούς του Κοινού Λεξιλογίου δημοσίων συμβάσεων (CPV) : 34144900-7 και συμπληρωματικού CPV 34144910-0

The estimated value of the contract amounts to 84.746,00€ including 18% VAT (budget excluding VAT: 71.818,64€, VAT: 12.927,36€).