**Schedule of Requirements**

1. **Summary of Requirements**

As part of the WCS project, UNOPS wants to acquire waste collection vehicles, according to the requirements presented in the table below.

1. **Technical specifications for Goods and Comparative Data Table**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **UNOPS minimum technical requirements** | | | | | | | | | **Quantity** |
| **Basic Information** | Seating capacity | | | 3 | | | | | 8 |
| Steering Orientation | | | left-hand traffic (LHT) | | | | |
| Pre-Delivery Inspection (PDI) | | | Included in price and carried out by supplier | | | | |
| Number of doors | | | 2, One door at the back side of cabin | | | | |
| Cabin configuration | | | Cab forward | | | | |
| Seat belts | | | 3 | | | | |
| Head rests | | | 3 | | | | |
| **Engine** | Engine type - stroke (stroke) | | | | | 4 | | |
| Displacement (cc) | | | | | 5880 | | |
| Number of Cylinders | | | | | 6 | | |
| Valves per cylinder | | | | | 4 | | |
| Valve assembly | | | | | OHV | | |
| Cylinder formation | | | | | In-line | | |
| Fuel Tank capacity (Litre) | | | | | 115 | | |
| Fuel injection system | | | | | Common rail | | |
| Emission control | | | | | Euro 3 | | |
| Engine mount | | | | | Front Longitudinal | | |
| Torque RPM | | | | | 1200 | | |
| Cooling system | | | | | Liquid | | |
| Aspiration | | | | | Turbo Intercooler | | |
| Power Output (HP) | | | | | 180 | | |
| Power at RPM (RPM) | | | | | 2700 | | |
| Torque (Nm) | | | | | 570 | | |
| Fuel | | | | | Diesel | | |
| **Transmission** | Forward gears | | | | | 9 | | |
| Gear lever type | | | | | Console Mounted | | |
| Transmission type | | | | | Manual | | |
| High-Low gearbox | | | | | Yes | | |
| Traction | | | | | 4x2 | | |
| Differential lock | | | | | None | | |
| **Suspension & Steering** | Front | Rigid axle, leaf springs | | | | | | |
| Rear | Rigid axle, leaf springs | | | | | | |
| Number of axles | | | | | 2 | | |
| Power steering | | | | | Yes | | |
| Semi-trailer (if applicable) | | | | | Rigid axle, leaf springs | | |
| **Brakes** | Brakes, front | | | | | Ventilated Disc | | |
| Brakes, rear | | | | | Ventilated Disc | | |
| Brake system | | | | | Full Air | | |
| Number of brake circuits | | | | | 2 | | |
| Parking brake | | | | | Mechanical | | |
| Retarder | | | | | No | | |
| Exhaust brake | | | | | Yes | | |
| **Electrical System** | Alternator (A) | | | | | 70 | | |
| Voltage (V) | | | | | 24 | | |
| Battery capacity (Ah) | | | | | 110 | | |
| **Capacities** | Ground Clearance (mm) | | | | | | | 200 |
| Wheel base (mm) | | | | | | | 3105 |
| Gross Vehicle Weight (GVW) (ton) | | | | | | | 10 |
| Kerb weight (ton) | | | | | | | 6.8 |
| Pay load (ton) | | | | | | | 6 |
| Compactor capacity, volume (m³) | | | | | | | 8 |
| Bin capacity, volume (m³) | | | | | | | 1.1 |
| Bin type to EN norm or equivalent | | | | EN-840-2-5-6 (flat lid) 4 wheel | | | |
| **Tyres** | Tyres, dimensions, front axle | | | | | 225/75R17, 5 | | |
| Tyres, dimensions, rear axle | | | | | 225/75R17, 5 | | |
| Tyres dimension, 2nd rear axle (if applicable) | | | | | | N/A | |
| Tyres, total number per unit (units) | | | | | | 6 | |
| Spare wheel, total number per unit (units) | | | | | | 1 | |
| Tyres with tube or tubeless | | | | | Tubeless | | |
| **Others** | Colour | | | | | Orange | | |
| Quality Label with lamination | | Label will be provided in higher resolution picture format. (2 years warranty). | | | | | |
| Registration and number plate | | | Need to be arranged by the supplier. | | | | |
| **Tools and Equipment need to be part of the delivery** | | | | | | | | |
| **Sensor to measure weight of garbage bins** | | | | | | | | |
| **Warranty : 2 Years (Min)** | | | | | | | | |

1. **Delivery requirements and Comparative Data Table:**

|  |  |
| --- | --- |
| **UNOPS Requirements** | |
| **Delivery time** | Bidder shall deliver the goods [16 weeks] after Contract signature. |
| **Delivery place and Incoterms rules** | [Tripoli, Libya] DAP |
| **Consignee details** | [Ministry of Local Government] |
| **UNOPS Right to vary requirements** | At the time the Contract is awarded, UNOPS reserves the right to vary the quantity of the goods and associated services specified above, provided this does not exceed +/- [25%] , without any change in the unit prices or other terms and conditions of the ITB. |

1. **Inspections and tests**

The following inspections and tests should be carried out:

UNOPS or one of its representatives will carry out an inspection and / or test of one of the products to be supplied in response to the needs of the goods, in order to confirm their compliance with the contract, before these goods are executed / Prepared and shipped from the manufacturer's facilities. This inspection will or will not give approval for the continuity of the supply of the (8) eight waste collection vehicles. The approval of the goods will not affect the right of the recipient to conduct his own inspections and tests upon receipt of the goods at the place of destination.

If the goods do not meet the established specifications, the supplier shall take immediate measures to remedy defects or replace defective goods in such a way as to satisfy the purchaser.