

## Section II: Schedule of Requirements

### A. Technical specifications for Goods and Comparative Data Table

Item No	UNOPS minimum technical requirements	
	<b>PRINCIPAL FEATURES SOUGHT</b>	<b>Qty</b>
	<ul style="list-style-type: none"> <li>➤ 4 Wheel Drive station wagon</li> <li>➤ Five-door, eight-seat cross country vehicle with separate front seats</li> <li>➤ Left- hand drive, power assisted steering</li> <li>➤ Diesel engine with Output Power of <b>227kW</b> (SAE) At <b>4000 rpm</b></li> <li>➤ Max Torque of <b>700 Nm @ 2600rpm</b></li> <li>➤ 4-wheel drive</li> <li>➤ <b>GVW 3350 kg.</b></li> <li>➤ FM/AM radio/stereo with DVD player +EMV Navigation + Bluetooth + Six USB Ports (Two Up Front, Four In The Rear) /iPod port + 14-Speaker JBL Premium Sound System + Wireless Smartphone Charging + A Cabin Air Ioniser</li> <li>➤ Passenger headrest entertainment system</li> <li>➤ Rear sensors</li> <li>➤ Chrome bumper spoiler</li> <li>➤ Power-operated single-piece tailgate</li> <li>➤ Clearance and back soner</li> <li>➤ Back guide Monitor (Reverse camera)</li> <li>➤ 360-Degree Cameras And Individual Tyre Pressure Monitors.</li> <li>➤ Front Guide Monitor</li> <li>➤ Dual rear seat entertainment with <b>tablet-style 12.3-inch infotainment touchscreen</b> with Apple CarPlay, Android Auto and satellite navigation at the front</li> <li>➤ Air conditioner (Auto Independent Control)</li> <li>➤ D+P Seat ventilation type</li> <li>➤ Leather Upholstery</li> <li>➤ Smart Start with smart entry</li> <li>➤ Driver And Passenger + side + curtain Air bags + Knee with sensors</li> <li>➤ Cool box</li> <li>➤ Side impact beams on all doors</li> <li>➤ Roof rail</li> <li>➤ Seating capacity :8 persons</li> <li>➤ Adaptive Cruise Control</li> <li>➤ Spare tyre mounted under with Lock</li> </ul>	2

➤ Land Cruiser 300 or equivalent	
----------------------------------	--

<b>1</b>	<b>General</b>
<ul style="list-style-type: none"> <li>➤ Overall Length: 4950mm</li> <li>➤ Overall width: 1980mm</li> <li>➤ Overall height: 1870mm</li> <li>➤ Thread Front/Rear: 1667/1668mm</li> <li>➤ Long Wheelbase: 2850 mm</li> <li>➤ Ground clearance: <b>230mm</b></li> <li>➤ Gross Vehicle Weight:3350kg</li> <li>➤ Curb weight:2630kg</li> <li>➤ Turning radius(Body/Tire) m: 6.3/5.9 m</li> <li>➤ Fuel tank capacity: 93 (Main), 45 (Sub)</li> <li>➤ Towing capacity with brake (kg): 3500</li> <li>➤ Towing capacity without brake (kg): 750</li> <li>➤ Angle of departure (degrees): 26.5</li> <li>➤ Angle of <b>Approach</b> (degrees): 32</li> </ul>	

<b>2</b>	<b>ENGINE</b>
<ul style="list-style-type: none"> <li>➤ Diesel 4 stroke 6 cylinder DOHC V-Line</li> <li>➤ Engine capacity: 3.3-litre twin-turbo-diesel</li> <li>➤ Diesel engine with Output Power of <b>227kW</b> (SAE) At <b>4000 rpm</b></li> <li>➤ Max Torque of <b>700 Nm @ 2600rpm</b></li> <li>➤ Fuel pump (Common-Rail Type)</li> <li>➤ Heavy duty dry type air cleaner with replaceable element(s) and square pre-cleaner</li> <li>➤ Positive oil and fuel filtering systems with replaceable elements</li> <li>➤ Dust proof crankcase breather and oil filler cap</li> <li>➤ Heavy duty, tropicalized engine cooling system with direct drive cooling fan</li> </ul>	

<b>3</b>	<b>TRANSMISSION,TRANSFER AND DRIVELINE</b>
<ul style="list-style-type: none"> <li>➤ Automatic transmission (multi-mode) type; <b>10 speeds forward</b>, 1 reverse all synchromesh and floor-mounted shift lever</li> <li>➤ Full-time 4WD</li> <li>➤ Rear Differential lock</li> <li>➤ Active traction control</li> </ul>	

- Hill start assist
- Crawl control
- Multi terrain selector
- Automatic free running hubs
- Heavy duty full-floating axle

<b>4</b>	<b>STEERING SYSTEM</b>
----------	------------------------

- Left hand side control
- Power assisted steering
- Electronic Tilt + Telescopic with Memory
- Multi-functionary steering wheel
- 4 spoke Leather wrapped steering

<b>5</b>	<b>BRAKE SYSTEM</b>
----------	---------------------

- Dual circuit hydraulic system with vacuum booster
- Front brake : Ventilated disc brakes
- Rear brakes : Ventilated disc
- Mechanical parking brake
- ABS with Brake Assist and Electronic Brake force Distribution
- Brake assist system

<b>6</b>	<b>SUSPENSION</b>
----------	-------------------

- Front: Heavy duty Double Wishbone suspension with coil spring and double acting ,telescopic shock absorbers
- Rear : Heavy duty 4-link Coil Rigid suspension with Lateral and double acting ,telescopic shock absorbers

<b>7</b>	<b>TYRES AND WHEELS</b>
----------	-------------------------

- Radial tyres
- Tyre size: **265/65R18 alloy wheels**
- Full size spare tyre mounted on a suitable carrier with security lock

<b>8</b>	<b>ELECTRICAL AND ANCILLARIES</b>
----------	-----------------------------------

- 12 volts. All electrical components tropicalized
- Heavy duty battery
- Heavy duty alternator

- Exterior lights and indicators conform with Ghanaian regulations
- Hazard warning light
- Headlamp Aiming (Dynamic AUTO)
- Headlamp Cleaner (washer linked)
- Rear wiper with washer
- Fog lamp

**9 | INSTRUMENT MONITORS AND WARNING DEVICES**

- All calibrations on gauges/meters are in metric unites
- Speedometer , odometer , tripmeter
- Engine coolant temperature gauge and temperature warning light
- Engine oil pressure gauge and/or low pressure warning light
- Battery charging meter
- Fuel level gauge and low fuel warning light
- Illuminated entry system (Ignition switch + Room lamp)
- Anti-theft immobilizer +alarm

**10 | CAB AND ACCESSORIES**

- Leather upholstered seats
- Knee panel for Driver + Passenger
- Power seat adjustment
- Power front seats height adjuster
- Separate bucket seats for driver and front passenger.
- Head restraints on all seats. Adjustable on front seats.
- Driver and passenger sun visor; assist grip for all passengers
- 3pt ELR Seatbelts on all seats
- Side step
- Full tropicalised ventilation and air conditioning system
- Digital Clock
- Window front and rear
- Door-mounted rear view mirrors (left & right)
- Day/Night E-mark inside rear view mirror
- Central lock system
- Power window

- Parking assist sensors (Clearance and Back Sonar)
- Wireless Door Lock + Smart Entry
- Power outer mirror with memory
- Driver power seats and memory for driver and passenger

**11 | BODY EXTERIOR**

- Laminated windshield and safety glass throughout
- Horizontal opening (swing-type) rear doors
- Rear step
- Fuel tank with security lock
- Moon roof
- Pintle hook
- Roof rail
- Rear mounted camera

**12 | MISCELLANEOUS**

- 1kg Fire extinguisher
- Warning triangle
- First aid kit
- Heavy duty vehicle jack, wheel spanner and all accessories
- Manufacturer standard toolkit
- **Protection against corrosion:** Optimum and guaranteed protection
- Operating manual in English

**13 | MANUALS (IN ENGLISH)**

- One operators maintenance manual

**14** Vehicles should be suitable for continuous operation in tropical conditions altitudes 1,500 M above sea level. Bidder shall ensure that the vehicle offered complies with the stipulated requirements of law pertaining to operation vehicles in Ghana or any modification there in effect at the time of submitting the bid. All items to be fully assembled with all the normal standard fittings and tested ready for immediate use.

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

UNOPS Requirements	Is Bid compliant? Bidder to complete	Details Bidder to complete
--------------------	---	-------------------------------

<b>Delivery time</b>	Bidder shall deliver the goods <b>8 Weeks</b> after Contract signature.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Insert details</b>
<b>Delivery place and Incoterms rules</b>	CIF, Accra, Ghana	<input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Insert details</b>
<b>Consignee details</b>	UNOPS AFR, GHMCO, Ghana	<input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Insert details</b>
<b>UNOPS Right to vary requirements</b>	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 +/- <b>20%</b> , without any change in the unit prices or other terms and conditions of the ITB.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Insert details</b>