

Technical specifications for Sample transportation vehicle – with blood storage refrigerators (8 vehicles)

S.N.	CRITERIA	DEPARTMENTAL REQUIREMENT	OFFERED SPECIFICATION
1	Location of use	Tropicalized to fit with Rwandan terrain (Engine, suspension, blindage)	
2	Make		
3	Model	2021 to date	
4	Year of manufacture	2020 to date	
5	Overall length	4350-5300 mm	
6		1650-2100 mm	
7	Overall height	2500-2800mm	
8		235-260mm	
9	Floor loading height	Maximum of 850 mm	
10	Vehicle general characteristics	<p>➤ Double cab pickup, Left Hand Drive model with two- and four-wheel drive mode, suitable for driving both in ON-ROAD condition giving smooth economic performance and in OFF-ROAD conditions capable of delivering strong adequate traction and maneuverability/stability needed for safe driving in rough, sandy or slippery and hilly road conditions in Rwanda at an altitude up to 3000 meter and in ambient temperature between -5°C to 50°C.</p>	<p>Make:</p> <p>Model:</p> <p>Country of Origin:</p>

		<ul style="list-style-type: none"> ➤ The rear body of the pickup vehicle should be properly covered with appropriate material for accommodating the blood transportation equipment. The casing/covering should have a rear door to permit the opening and closing when loading and offloading biological samples and equipment ➤ The vehicle must have air conditioning capable to maintain the temperature suitable for blood transportation. The temperature should be maintained at a uniform value of $22^{\circ}\text{C} \pm 3^{\circ}\text{C}$ ➤ The vehicle should be equipped with blood storage refrigerator for temperature range from 2°C to 22°C and adjustable with accuracy setting of $\pm 0.1^{\circ}\text{C}$. The refrigerator should be equipped with LED Display temperature monitoring and an independent safety thermostat to avoid negative temperatures. ➤ The vehicle should have provision of fittings for fixing at least four (4) Blood Transportation Boxes with external dimension of each transportation box within 1000 - 1500mm (L)X 800-1000 mm (W)X 600- 700 mm (H). After the award of the contract, the supplier should liaise with supplier of such boxes for fittings and electrical connections etc. ➤ Gross Vehicle Weight of the vehicle not less than 3000 Kgs and shall have seating capacity 	
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		<p>for at least 5 passengers including driver.</p> <ul style="list-style-type: none"> ➤ The complete vehicle should be dust and waterproof. There should be no leakage. 	
11	Engine	<ul style="list-style-type: none"> ➤ Diesel- 4 Cylinder, 4 strokes, Direct Injection ➤ Capacity: 2500-3500 cc ➤ Minimum output: 90 kW ➤ Torque: at least 260nm ➤ Rotational speed: 1750-2200 rpm ➤ Water cooled diesel Engine, developing rated. The Engine shall be fully equipped with all necessary items/ accessories and controlling devices for safe, smooth, efficient, economical operation and optimizing vehicle performance producing lesser amount of pollutive emissions. 	<p>Make:</p> <p>Model:</p>
12	Emission Standard	The emission standard of the offered vehicle must be in compliance with or superior to the applicable standard as per Rwanda bodies in charge of emission control.	
13	Gauges	Fitted with all the gauges, indicators, signals as necessary for efficient operation, functional monitoring, vehicle performance and maintenance that includes (but not limited to) Battery charge indicator, water temperature, fuel, oil pressure, transmission gauge etc. with all standard items of offered model vehicle	
14	Transmission	Manual shift, at least five forward and one reverse, all forward synchromesh, 4WD engaged through control at driver.	

15	Suspension	Suitable for toughest terrain, smooth ride, stable handling and comfortable driving conditions. Front: Independent, Double wishbone with coil spring and stabilizer/Torsion Bar. Rear: Leaf springs /shock absorbers	
16	Tyres	Standard Size	
17	Steering	Power assisted/Power Steering/Right hand drive	
18	Brakes	Front Disc type, rear drum type, hydraulic operated on all wheels, and parking brake.	
19	Fuel Tank Capacity	Not less than 65 Liters.	
20	Cab	4 doors, all metallic cab with insulated roof, right hand drive, laminated glass windscreen, wipers, glass windows on doors, through ventilation, comfortable and adjustable seats for driver and passenger, two sun visors, and two side view mirrors and rear view mirror. Rear body to be metallic, pickup type with drop type tail board.	
21	Chassis and Frame	Steel, heavy duty high rigidity frame structure suitable for rough road conditions with hook at front.	

22	Essential Accessories	<ul style="list-style-type: none"> • Head light, tail and rear light, reversing light and turn signals. • Cabin lights • Speedometer / odometer. • Heavy duty front bumper. • 1 Spare wheel with tyre and tube • Hydraulic jack with handle • mud guard at front and rear • Floor mats • Steering Cover • Seat Cover • Electric control ORVMS • Alloy Wheels • Front seat belt for driver and co-passenger • Foot Steps • Air Conditioner with heater • ABS • Power Windows • Central Door Locking System • Dual Airbag • CD/MP3 Player, Preferably with Radio, MW & FM. <p>Equipped with all accessories offered in standard model but not limited to the above items.</p>	
23	Instructions	All signs and instructions in the vehicle shall be in English.	
24	Manuals	One copy of the Operator's and Owner's Instructions and Maintenance manual in English shall be supplied.	
25	Tools	A set of tools, with a tool bag, as required for general maintenance shall be supplied.	
26	Color	Standard Color	
27	Proven performance	<ol style="list-style-type: none"> 1. The vehicle offered shall be a current model under standard production by the manufacturer. 2. The bidder shall provide the manufacturer's data of the performance of the unit to include the fuel consumption, performance curve of the engine and production capacity. 	
28	Warranty	The vehicle shall be warranted for at least 30,000 km or a minimum of two years after acceptance.	

29	Initial Service	The supplier shall provide with the vehicle all the necessary filters and spare parts required for the first two services, after the vehicle has been commissioned and accepted.	
30	Delivery	The Double-cab Pickup, bull bars, RHD, (4X4), 1 unit, shall be delivered to: Rwanda Biomedical Centre, KIGALI, RWANDA	
31	Equipment	Reflective triangle, fire extinguisher, spare tire, a complete set mats	
32	Vehicle hand tools	Spanners, screw drivers, jack, wheel spanner	
33	Insurance service	At least one year Omnium insurance service	

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27	Proven performance	3. The vehicle offered shall be a current model under standard production by the manufacturer. 4. The bidder shall provide the manufacturer's data of the performance of the unit to include the fuel consumption, performance curve of the engine and production capacity.	
28	Warranty	The vehicle shall be warranted for at least 30,000 km or a minimum of two years after acceptance.	
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30	Delivery	The Double-cab Pickup, bull bars, RHD, (4X4), 1 unit, shall be delivered to: Rwanda Biomedical Centre, KIGALI, RWANDA	
31	Equipment	Reflective triangle, fire extinguisher, spare tire, a complete set mats	
32	Vehicle hand tools	Spanners, screw drivers, jack, wheel spanner	
33	Insurance service	Three years Omnium insurance service	