

**Queries and Responses on the IFB No. APFBC/PMU/Phase-II/Vehicles/2021/128/57, dated 1st February 2022 relating to “Procurement of Vehicles under Assam Project on Forest and Biodiversity Conservation- Phase- II”**

#	Reference	Specifications as per Bidding Document	Queries/ Suggestions from potential bidder	PMU's Responses
1.	Lot 1, page 57 of Bidding document, Description of Items	<b>Four-wheeler for field visit, monitoring and supervision for officers at Level-15 and above</b>		The bidders may quote for the items as per the specifications mentioned in the bidding document <b>or equivalent specifications.</b>
	1.	<b>Overall specifications</b> Power Steering; Power Windows; Front Antilock Braking System; air conditioner; Driver Airbag; Passenger Airbag; Wheels: Alloy wheel	Power Steering; Power Windows; Front Antilock Braking System; Air conditioner	
	2.	<b>Engine and Transmission</b>		
		▪ Emission standard- BS VI	Emission standard- BS VI	
		▪ Engine Type – 2.0 L Kryotec Diesel Engine	Engine Type – Diesel BS VI	
		▪ Displacement (cc) – 1956	Displacement (cc) – 2000-2600	
		▪ Max Power – 168 bhp@3750rpm	Max Power – 90-170 hp	
		▪ Max Torque – 350 nm@1750 rpm	Max Torque – 250 Nm-350 Nm	
		▪ No. of cylinder- 4	No. of cylinder- 4	
		▪ Valves Per Cylinder-4, DOHC	Valves Per Cylinder - 2	
		▪ Turbo charger	Turbo Charger	
		▪ Transmission Type- Manual	Transmission Type- Manual	
		▪ Gear Box - 6 Speed, Sports mode	Gear box : 5 to 6 Speed	
		▪ Drive train – FWD	Drive train – 2WD / 4WD	
	3.	<b>Fuel &amp; Performance</b>		
		Fuel type - Diesel; Fuel Tank Capacity - (Litres) - 50.0; Emission Norm Compliance - BS VI	Fuel type - Diesel; Fuel capacity - 50 to 70 Litres	
	4.	<b>Suspension, Steering &amp; Brakes</b>		
		Front Suspension- Independent, Lower Wishbone, McPherson Strut with Coil Spring & Anti Roll Bar; Rear Suspension - Semi Independent Twist Blade with Panhard Rod and Coil Spring; Shock Absorbers Type - Coil Spring; Steering Type – Power assisted (Hydraulic); Steering Column – Tilt and Telescopic; Steering Gear Type - Rack & Pinion; Turning Radius (Metres) - 5.75metres; Brakes Front- Disc; BrakesRear- Drum; Wheels: Alloy Wheel; Front tyres-235/65 R17; Rear tyres-235/65 R17	As per OEM product - duly approved by ARAI (Or equivalent Agency)	
	5.	<b>Dimensions &amp; Capacity</b>		
		Length (mm) 4598; Width (mm) 1894; Height (mm) 1706; Seating Capacity 5; Wheelbase (mm) 2741; Gross Weight (Kg) – 1668; Front Headroom (mm)- 980-1020; No of Doors - 5	Length - 4000 - 5120 mm width - 1800 - 1900 mm Hieght - 1800 - 2080 mm Gross Wt : 1660 - 3200 Kg Seating Capacity : 5 to 12	
	6.	<b>Comfort &amp; Convenience</b>		
		Power Steering; Power Windows-Front; Power Windows-Rear; Power Boot; Air Conditioner; Heater; Adjustable Steering, Automatic Climate Control; Parking Assist-Reverse camera; parking sensors- Rear; Headlight and Ignition on Reminder; keyless start/Buton start; Rain sensing wiper; Low Fuel Warning Light; Rear Reading Lamp; Rear Seat Centre Arm Rest; Height Adjustable Front Seat Belts; Rear AC Vents; KeyLess Entry;	Power Steering, Power Windows (front), air conditioning	

#	Reference	Specifications as per Bidding Document	Queries/ Suggestions from potential bidder	PMU's Responses
		Engine Start/Stop Button; USB Charger- Front & Rear; Central Console Armrest; Tailgate Ajar; Gear Shift Indicator; Additional Features- 6 Way Adjustable Driver Seat with Lumbar Support		
		<b>7. Interior</b> Tachometer; Electronic Multi-Tripmeter; Glove Compartment; Digital Clock; Digital Odometer; Driving experience control eco; Height adjustable driver seat; Additional Features- Soft touch dashboard with anti-reflective 'nappa' grain top layer	As per OEM product - duly approved by ARAI (Or equivalent Agency)	
		<b>8. Exterior</b> Adjustable Headlights; Front Fog Lights; Power Adjustable Ext. Rear View Mirror; Rain sensing wiper; Rear window wiper; Alloy wheels; Outside Rear View Mirror Turn Indicators; Projector Headlamps; Lighting; DRL's (Day Time Running Lights), Projector Headlights, LED Tail lamps Trunk Opener - Remote; Alloy Wheel Size- R17; Tyre Size - 235/65 R17; Tyre Type -Tubeless, Radial; Wheel Size- R17; Additional Features: Dual Function LED DRLs with Turn Indicators	As per OEM product - duly approved by ARAI (Or equivalent Agency)	
		<b>9. Safety</b> Anti-Lock Braking System; Central Locking, keyless; Speed Sensing Door Lock; Child Safety Locks; Driver Airbag; Passenger Airbag; Passenger Side Rear View Mirror; Rear Seat Belts; Seat Belt Warning; Doorajar warning; Side Impact Beams; Front Impact Beams; Adjustable Seats; Engine Immobilizer; Crash Sensor; Centrally Mounted Fuel Tank; Engine Check Warning; Electronic Brakeforce Distribution (EBD); brake assist; Electronic Stability program (ESP); Hill hold control; Traction Control System (TC/TCS); Overspeed warning- 1 beep over 80 kmph, continuous beeps over 120 kmph; Automatic Headlamps; Rear Camera, Anti- theft device; Advance Safety Features: Roll Over Mitigation, Perimetric Alarm System, Corner Stability Control, Brake Disc Wiping	Anti Lock Braking system, Central Locking	
2.	Lot 2, page 58 of Bidding document, Description of Items	<b>Four-wheeler for patrolling, supervision and monitoring at Division/ Circle level</b>		The bidders may quote for the items as per the specifications mentioned in the bidding document <b>or equivalent specifications.</b>
	<b>1. Overall specifications</b> Power Steering; Power Windows; Front Antilock Braking System; Air conditioner; Driver Airbag; Passenger Airbag	Power Steering; Power Windows; Front Antilock Braking System; Air conditioner		
	<b>2. Engine and Transmission</b>			
	▪ Emission Norm Compliance- BS VI	Emission standard- BS VI		
	▪ Engine Type - mHawk Diesel Engine	Engine Type - Diesel BS VI		
	▪ Displacement (cc) - 2179	Displacement (cc) - 2000-2600 cc		
	▪ Max Power - 140 bhp@3750rpm	Max Power - 90-140 hp		
	▪ Max Torque - 319nm@1500-2800rpm	Max Torque - 250 Nm - 350 Nm		
	▪ No. of cylinder- 4	No. of cylinder- 4		
	▪ Valves Per Cylinder-4	Valves Per Cylinder - 2-4		
	▪ Fuel Supply System-CRDi	Fuel Supply System-CRDi		
	▪ Turbo Charger	Turbo Charger		
	▪ Transmission Type- Manual	Transmission Type- Manual		
	▪ Gear Box - 6 Speed	Gear box : 5 to 6 Speed		
	▪ Driver type - RWD	Drive train - 2WD / 4WD		
	<b>3. Fuel &amp; Performance</b> Fuel type - Diesel; Fuel Tank Capacity - (Litres) - 60.0; Emission Norm Compliance - BS VI	Fuel Type - Diesel, Fuel Tank Capacity - 60 - 70 Litres, Emission Norms - BS6		

#	Reference	Specifications as per Bidding Document	Queries/ Suggestions from potential bidder	PMU's Responses			
		4. <b>Suspension, Steering &amp; Brakes</b> Front Suspension- Double; Wish-bone Type, Independent Front Coil Spring; Rear Suspension - Multi Link Coil Spring; Suspension with Anti-roll Bar; Shock Absorbers Type - Hydraulic Double Acting Telescopic; Steering Type - Hydraulic; Steering Column - Tilt and collapsible; Steering Gear Type - Rack & Pinion; Turning Radius (Metres) - 5.4 metres; Brakes Front-Ventilated Disc; Brakes Rear-Drum	As per OEM product - duly approved by ARAI (Or equivalent Agency)				
		5. <b>Dimensions &amp; Capacity</b> Length (mm) 4456; Width (mm) 1820; Height (mm) 1995; Wheelbase (mm) 2680; Seating Capacity 7; Gross Weight (Kg) - 2510; Front Headroom (mm)- 980-1020; No of Doors - 5	Length - 4000 - 5120 mm width - 1800 - 1825 mm Height - 2000 - 2100 mm Gross Wt : 2500 - 3200 Kg Seating Capacity : 5 to 13				
		6. <b>Comfort &amp; Convenience</b> Power Steering; Power Windows-Front; Power Windows-Rear; Air Conditioner; Heater; Adjustable Steering	Power Steering, Power Windows (front), air conditioning				
		7. <b>Interior</b> Tachometer; Electronic Multi-Tripmeter; Glove Compartment; Digital Clock; Digital Odometer	As per OEM product - duly approved by ARAI (Or equivalent Agency)				
		8. <b>Exterior</b> Adjustable Headlights; Manually Adjustable Ext. Rear View Mirror; Wheel covers; Side Stepper; Halogen Headlamps; Lighting - LED Tail lamps; Trunk Opener - Lever; Additional Features - Black Front Grille Inserts, Red Lens LED Tail Lamps, Black Rear Number Plate Applique, Bonnet Scoop, Clear Lens Turn Indicators, Black Finish Fender Bezel, Bulb Centre High Mount Stop Lamp	As per OEM product - duly approved by ARAI (Or equivalent Agency)				
		9. <b>Safety</b> Anti-Lock Braking System; Central Locking; Speed Sensing Door Locks; Child Safety Locks; Driver Airbag; Passenger Airbag; Passenger Side Rear View Mirror; Rear Seat Belts; Seat Belt Warning; Door Ajar Warning; Side Impact Beams; Front Impact Beams; Adjustable Seats; Engine Immobilizer; Crash Sensor; Centrally Mounted Fuel Tank; Engine Check Warning; Advance Safety Features - Panic Brake Indication, Manual Override, Intellipark, Micro Hybrid Technology; Electronic Brakeforce Distribution (EBD)	As per OEM product - duly approved by ARAI (Or equivalent Agency)				
		3. Lot 3, page 58-59 of Bidding document, Description of Items	<b>Bus (31-Seater):</b>				The bidders may quote for the items as per the specifications mentioned in the bidding document <b>or equivalent specifications.</b>
		1. <b>Engine</b>					
		Engine - SLTHT6 CRDI TCIC	Deisel Engine BS6				
Fuel Injection System - Common rail	Common Rail						
Engine Displacement-3455cc	2500 - 3000 CC						
Engine Cylinders - 4	4						
Engine Location - Front	Front						
Power - 100 HP @ 2600 rpm	100 - 120 BHP						
Torque - 310 Nm @ 1600 rpm	300 - 350 NM						
Clutch- 260 mm dia Transmission speed (5F+1R)	260 - 310 mm						

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		Gearbox – Synchromesh	Synchromesh	
		Max Speed – 80kmph	80 Kmph	
		Emission Norms Compliance - BS6	BS6	
		Fuel Type- Diesel	Diesel	
		Fuel Tank Capacity – 90 Liters	70 - 120 Litres	
		Electricals Battery - 12V, 70Ah, 55Amps	As per OEM	
	2.	<b>Configuration</b>		
		GVW- 7920 Kg	GVW- 7000 - 7600 Kg	
		Seating Layout- 2x2	Seating Layout- 2x2	
		Seating Capacity - 30+D (Non-AC)	Seating Capacity - 30+D to 33+D	
		Body Structure - Tubular structure	Body Structure - Tubular / Monocoque	
		Passenger Door Type- One jack-knife type	As per OEM	
		Floor Type- Anti-skid flooring	As per OEM	
		Chassis Frame - Box type	As per OEM	
		Axle Configuration- 4x29	As per OEM	
		Front Axle - Forged I section reverse Elliot type axle	As per OEM	
		Rear Axle - Fully floating Banjo type axle	As per OEM	
		Front Suspension - Semi elliptical leaf springs	As per OEM	
		Rear Suspension - Semi elliptical leaf springs	As per OEM	
		Tyres - 8.25x16 - 16PR	As per OEM	
		6+1tyres	6+1tyres	
		Wheelbase - 4240mm	Wheelbase - 4000 - 4250 mm	
		Turning Circle Diameter - 16.4m	Turning Circle Diameter - 13 - 16 m	
		Ground Clearance- 228 mm	Ground Clearance- 185 - 230 mm	
		Overall Length- 7920 mm	Overall Length- 7800 - 8500 mm	
		Overall Width - 2262 mm	Overall Width - 2200 - 2500 mm	
		Overall Height - 2960 mm, 3060 mm (AC option)	Overall Height - 2960 - 3100 mm	
		Internal Height Saloon - 1910 mm	Internal Height Saloon - 1900 - 2000 mm	
		Front Overhang - 1180mm	As per OEM	
		Rear Overhang - 2364 mm	As per OEM	
		Front Track - 1674 mm	As per OEM	
		Rear Track - 1486 mm	As per OEM	

Sd/-  
Project Director, PMU, APFBC Society