

CIVIL AVIATION AUTHORITY OF FIJI (CAAF)
TENDER SPECIFICATION
Supply of Two (2) 4x4 Twin-Cab Utility Vehicles – EV / Hybrid

1. Purpose

The Civil Aviation Authority of Fiji (CAAF) requires two (2) new 4x4 Twin-Cab Utility Vehicles for operational use, including:

- Aerodrome inspections;
- Regulatory surveillance activities;
- Travel to navigational aid locations;
- Transportation of personnel and inspection equipment.

Vehicles must be robust, reliable, economical to operate, and suitable for Fiji's climatic and road conditions. CAAF has a strong preference for low-emission drivetrains (fully electric or hybrid) in support of its sustainability objectives.

2. General Vehicle Requirements (All Drivetrains)

The following mandatory requirements apply to all vehicles offered, whether Electric or Hybrid.

Requirement	Specification
Vehicle & Compliance	
Vehicle Type	Twin-Cab Utility
Drivetrain	4x4
Seating Capacity	Minimum 5 persons
Steering	Right-Hand Drive
Transmission	Automatic
Vehicle Condition	Brand New – latest model year
Compliance	Fully compliant with Fiji Land Transport Authority (LTA) requirements
Colour	White preferred
Dimensions & Capability	
Ground Clearance	Suitable for off-road operations (state figure in mm)
Payload Capacity	State kg
Braked Towing Capacity	State kg (min. 2,500 kg preferred)
Spare Wheel	Full-size spare
Comfort & Convenience	
Air Conditioning	Factory fitted
Power Steering	Required
Power Windows	Required
Power Mirrors	Required
Central Locking	Required
Cruise Control	Required
Alloy Wheels	Required

Requirement	Specification
Fitted Accessories	
Reversing Camera	Required
Rear Parking Sensors	Preferred
Tow Bar	Preferred
Tray Liner	Required
Mud Flaps	Required
Bonnet Protector	Required
Weather Shields (Window Visors)	Required
Rear Step	Required
Side Steps	Required
Lane Departure Warning (LDW)	Required

3. Drivetrain Technical Requirements

Suppliers must submit proposals under one of the two preferred options below. CAAF has a first preference for fully electric vehicles, followed by hybrid vehicles. Complete all fields applicable to the option offered.

Option A – Fully Electric Vehicle

EV Requirement	Specification / Minimum Standard
Battery Capacity	State kWh (usable)
Battery Type	Lithium-ion / LFP – state chemistry
Battery Voltage	State V (system voltage)
WLTP Driving Range	Minimum 350 km per charge
Energy Consumption	State kWh/100km
Electric Motor Output	State kW / HP
Torque	State Nm
Onboard AC Charger	Minimum 7 kW (11–22 kW preferred)
AC Connector Type	Type 2
DC Fast-Charge Capability	Required – CCS2 standard preferred
DC Charge Time (0–80%)	State minutes
Charging Cable(s) Supplied	Type 2 AC cable required; portable charger preferred
Vehicle-to-Load (V2L)	Preferred – state output (kW) if available
Battery Thermal Management	Active cooling preferred
Regenerative Braking	Required
Battery Warranty	Minimum 5 years or 150,000 km (manufacturer-backed)
Charging Solution (Optional but Preferred)	
AC Wall Charger Installation	State scope

EV Requirement	Specification / Minimum Standard
Charging Management Software	State availability
Operator Training	Required for CAAF staff

Option B – Hybrid / Plug-in Hybrid Vehicle

Hybrid Requirement	Specification / Minimum Standard
Hybrid System Type	Full Hybrid (HEV) or Plug-in Hybrid (PHEV)
Engine Type	Petrol or Diesel – state
Engine Capacity	State Litre / cc
Engine Power Output	State kW / HP
Electric Motor Output	State kW / HP
Combined System Power Output	State kW / HP (engine + motor)
Torque	State Nm
Transmission Type	Automatic / CVT
Fuel Tank Capacity	State Litres
Combined Fuel Economy	State L/100km (demonstrated improvement required)
CO ₂ Emissions	State g/km
Emission Standard	Euro 5 / Euro 6 or equivalent
PHEV Electric-Only Range	State km (if plug-in)
Onboard AC Charger (PHEV)	State kW (if plug-in)
Regenerative Braking	Required
Battery Warranty	Minimum 5 years or 150,000 km (manufacturer-backed)

4. Safety Requirements

All vehicles must include the following as a minimum:

- Driver and Passenger Airbags;
- Front Side Airbags;
- Side Curtain Airbags;
- ABS Braking System;
- Electronic Stability Control (ESC);
- Traction Control;
- Hill Start Assist;
- Seat Belt Reminder System;
- ANCAP, Euro NCAP or equivalent safety rating (5-Star preferred).

For electric and hybrid vehicles, the following are additionally required:

- High-voltage battery isolation / cut-off system;
- Compliance with relevant EV/Hybrid safety standards (e.g. ECE R100 or equivalent);
- Acoustic Vehicle Alerting System (AVAS) for pedestrian safety;
- First-responder / emergency rescue information for the drivetrain.

5. Warranty and After-Sales Support

Suppliers must provide:

- Minimum vehicle warranty of 5 years or 150,000 km;
- Battery warranty of minimum 5 years or 150,000 km (EV / Hybrid);
- Motor / drivetrain warranty details;
- Roadside assistance programme;
- Local authorised service support in Fiji;
- Availability of spare parts (including high-voltage components for EV/Hybrid);
- Scheduled maintenance programme.

Tenderers shall identify service locations, response times, and parts inventory arrangements.

6. Delivery Requirements

Vehicles shall be delivered to:

Civil Aviation Authority of Fiji – CAAF Headquarters, Nadi Airport.

Tenderers must state available stock and estimated delivery date.

7. Total Cost of Ownership (TCO)

Tenderers must provide a five-year ownership cost estimate including:

- Purchase cost;
- Energy / fuel costs (state assumed kWh or fuel rate);
- Scheduled servicing;
- Maintenance costs;
- Consumables;
- Battery replacement assumptions (if applicable);
- Residual value estimate.

8. Evaluation Criteria (Primary & Secondary)

8.1. Primary tender evaluation criteria:

- Valid FRCS Taxpayer Identification Number (TIN)
- Business Registration Certificate
- FRCS Compliance Certificate
- FNPF Compliance Certificate
- Current Company Profile
- Additional supporting documents (e.g., At least two references from comparable vehicle supply contracts)

8.2 Secondary tender evaluation criteria

Tenders will be evaluated using a weighted assessment:

Criteria	Weighting
Compliance with Specifications	25%
Technical Capability	20%
Safety Features	15%
Price and TCO	15%
Delivery Timeframe	10%
Warranty and After-Sales Support	10%
Sustainability Benefits	5%
Total	100%

9. Mandatory Submission Requirements

Tenderers shall submit:

- Completed Tender Submission;
- Completed Tender Technical Specification Schedule;
- Completed Tender Price Schedule;
- Vehicle brochures and full technical specifications;
- Warranty details;
- Maintenance support arrangements;
- Delivery schedule;

10. General Conditions

CAAF reserves the right to:

- Accept or reject any tender;
- Negotiate with one or more tenderers;
- Cancel the procurement process without liability;
- Award all or part of the tender;
- Request clarifications or demonstrations.