

## Section II: Schedule of Requirements

eSourcing reference: ITB/2024/51800

Supply and Delivery of Police Boat (10m Inshore Patrol Craft-Catamaran type) with Trailer to the Maritime Police in Kiribati, Nauru, Tuvalu and Vanuatu islands for Strengthening Capacity of Maritime Law Enforcement Agencies for Effective Maritime Crime Control in the South East Asia and Pacific Island Countries.

### A. Requirements are comprised of the following lot:

Lot No	Description of the Item	Number of Units
1	Supply and Delivery of Police Boat (10m Inshore Patrol Craft-Catamaran type) with trailer to the Maritime Police in Kiribati, Nauru, Tuvalu and Vanuatu islands	4

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

Supply and Delivery of Police Boat (10m Inshore Patrol Craft-Catamaran type) with Trailer

No	Minimum Requirements
	<b>Police Boat (10m Inshore Patrol Craft-Catamaran type) with Trailer</b>
	Make
	Model
	Country of Origin
<b>1</b>	<b>General specification - The vessel design must incorporate the following features:</b>
1.1	Boat Hull Overall length: 10m
1.2	Beam overall: 4m
1.3	Draft: 1m
1.4	Material: Marine grade Aluminum
1.5	Performance Criteria: Speed (Maximum) > 30.0 kts (at 100% MCR, calm sea, Full Load Displacement) Range (Minimum) > 150 nm (at 20 knots,in calm sea with 10% fuel reserve (residual fuel based on total tank volume), and with auxiliary engine running)
1.6	Bottom sides: 6mm
1.7	Topsides: 5mm

1.8	Transom: 6mm
1.9	Number of people(Basic) : 8
1.10	Vessel must be powered by two 300HP 4-stroke outboard engines (YAMAHA or Equivalent)
1.11	Transom Shaft Length: 25"
1.12	The vessel must have a Sillitoe Tartan strip running around the boat beneath the sponson from Port quarter to bow to Starboard quarter. The Sillitoe Tartan to be yellow and blue in color
1.13	A Police crest to be positioned on both Port and Starboard sides of the superstructure in consultation with the Principal.
<b>2</b>	<b>Hull</b>
2.1	Marine aluminum sheets/profiles (5083 H116)
2.2	Welding wire (5183)
2.3	Helium/Argon (100%)
2.4	Painting (Including primer, intermediate paint, topcoat etc) and the hull and superstructure to be white in color
2.5	The word 'POLICE' to be in Bold lettering on each side of the hull below the gunwales, black in color. The name of the vessel to be in Bold lettering on each side of the hull below the gunwales, black in color.
<b>3</b>	<b>Outfitting</b>
3.1	Driver seat (Integrated shock-absorbing seat) - 2 sets
3.2	Crew seats (Normal Marine grade seats) - 6 pcs
3.3	Fender - 1set
3.4	Fairlead bollard (Aluminium) - 6pcs
3.5	Stern aft engine protection frame (Aluminium) - 1set
3.6	Full ship railing (φ25×3) - 1set
3.7	Full ship glass (Frame glass) - 1set
3.8	Mooring cleat (Aluminum) - 1set
3.9	Toilet Room (TMC brand toilet) - 1pcs
3.10	Shower - 1pcs
3.11	Kitchen area (Stove and sink) - 1set
3.12	Refrigerator (Domestic brand 80L ) - 1pcs

3.13	Gas Detector - 1 Pcs
3.14	Deck (Aluminum Checker plate) - 1set
3.15	Fresh water tank (150L Aluminum) - 1set
3.16	Black/Grey water (100L Aluminum) - 1set
3.17	Sticker
3.18	Navigation Mast (Aluminum ) - 1set
<b>4</b>	<b>Propulsion and Steering</b>
4.1	Main Engine, 300HP 4-stroke outboard engines (YAMAHA or Equivalent) - 2set
4.2	Control System (Electrical Control) - 1set
4.3	Fuel tank(cabinet) (2*800L) - 1 pcs
4.4	Electronic liquid level gauge (12V) - 1pcs
4.5	Fuel Pipeline (φ16) - 1 batch
4.6	Oil filler - (φ50) - 1pcs
4.7	vent port (φ50) - 1pcs
4.8	Electric bilge pump (12V) - 4set
4.9	Hydraulic steering (Seastar Brand) - 1pcs
<b>5</b>	<b>Deck Equipment and Machinery</b>
5.1	Anchor (15-20 kgs stainless steel) - 1pcs
5.2	Anchor Chain & rope (10m anchor chain 50m anchor rope) - 1set
5.3	Electric Winch (1200W ) - 1 pcs
5.4	Electric Bilge Pumps (12V) - 5 set
<b>6</b>	<b>Lighting</b>
6.1	Navigation Lights - 2pcs (Navigation lights placement to comply with International Regulations for preventing collisions at sea – COLREGS)
6.2	Internal Cabin Lighting - 6pcs (Cabin lighting must have option for red or white light for night time operation)
6.3	Curtesy Light in the cockpit - 1 set (Curtesy lighting must have option for red or white light for night time operation)
6.4	Flood lights - 2pcs (Mounted on the top aft of the cabin, positioned to provide lighting overboard or to another vessel alongside)
6.5	Blue Strobe Flashing Police lights - 2pcs

	(Mounted on the mast, and visible all round)
6.6	12/24V LED Search light - 1pcs (fixed mounted, with remote electric control located in the wheelhouse)
6.7	Anchor light - 1pcs
<b>7</b>	<b>Electrical</b>
7.1	All electronics must be integrated systems through NMEA or N2K standardization
7.2	16" Multifunction display (MFD) with GPS (Garmin or equivalent ) - 1 set
7.3	GPS Antenna - 1set
7.4	Radar(24" Radome 4kw) (Garmin or equivalent) - 1 set
7.5	1kw through hull transducer (SS164 Lawrance or equivalent) - 1set
7.6	CMAP Charter for Pacific- 1set
7.7	12" MFD mounted at the navigation console (Garmin or equivalent) - 1 set
7.8	AIS Class A Tx Transponder (Furuno FA-170 or equivalent) - 1set
7.9	VHF Radio (GX1400 or equivalent) - 1set
7.10	VHF Antenna (GX1400 or equivalent) - 1set
7.11	Compass - 1pcs
7.12	12V or 24V DC electrical system - 1set
7.13	Shore Power - 1set
7.14	Marine Air Conditions (11000 BTU 24W ) - 1set
7.15	Thermal Imaging system (FLIR M232or equivalent) - 1set
7.16	AM/FM Radio - 1set
7.17	120W Marine speakers - 2pcs
<b>8</b>	<b>Safety Equipment</b>
8.1	EPIRB - 1set (emergency procedure resource kit- Capsize bottle complete)
8.2	Life jacket - 8 pcs
8.3	Life Buoy - 1pcs
8.4	First Aid Kit - 1set
8.5	Distress flares - 6pcs
8.6	Waterproof Floating Torch - 2pcs
<b>9</b>	<b>Spare Parts</b>

9.1	Engine service kits - 12pcs
9.2	stainless steel propellers - 2 sets
9.3	Hull repair kits - 2 sets
9.4	1 spare engine battery - 1pcs
<b>10</b>	<b>Boat tow Trailer</b>
10.1	Trailer Construction: The trailer should be constructed from high-strength, corrosion-resistant materials (e.g., galvanized steel or marine-grade aluminum) to withstand harsh marine environments.
10.2	The frame should be reinforced to ensure durability and safety during transport.
10.3	The trailer must include a customized cradle specifically designed to fit the Boat.
10.4	The cradle should provide secure support for the hull, minimizing movement during transport and preventing damage
10.5	The trailer should be equipped with a robust braking system, including hydraulic or electric brakes for enhanced safety
10.6	A breakaway system should be installed to automatically engage the brakes if the trailer becomes detached from the towing vehicle
10.7	The trailer must feature a compatible towing hitch and coupling system designed to attach securely to the towing vehicle
10.8	The hitch should be rated for the trailer's maximum weight capacity and include a safety lock mechanism
10.9	The trailer should have multiple axles with appropriate suspension systems to ensure smooth and stable transportation of the Boat
10.10	Heavy-duty tires suitable for various terrains should be installed.
10.11	Multiple tie-down points should be provided on the trailer to securely fasten the Boat during transp
10.12	High-strength tie-down straps or ratchets should be included to ensure the Boat remains secure
<b>11</b>	<b>Others</b>
11.1	Lloyd drawing certificate or equivalent certificate
11.2	Lloyd Boat Certificate or equivalent certificate

**C. Delivery Schedule**

<b>UNOPS Requirements</b>	
<b>Delivery time</b>	Bidder shall deliver the goods within eight (08) months after Contract signature.
<b>Incoterm applicable</b>	<b>DAP Incoterms</b> Maritime Police in Kiribati, Nauru, Tuvalu and Vanuatu islands
<b>Consignee details</b>	Will be confirmed at the time of the Contract issuance stage.
<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 +/- 20%, without any change in the unit prices or other terms and conditions of the ITB.

**D. Inspections and tests**

The following inspections and tests shall be performed,

The manufacturer should provide the Lloyd drawing certificate and Lloyd Boat Certificate or equivalent certificates.