**SPECIFICATIONS FOR TWIN YAMAHA 250-HP MOTORS FOR 27’ SAFEBOAT**

**GENERAL**

The overall scope of these specifications is to describe the installation and rigging of two Yamaha 250-HP, 4- Stroke, counter rotating outboard motors and allied equipment for the 27’ Safe Boat EnCon Police Marine Patrol Vessel. These motors will replace the existing motors. All motor quotes shall meet or exceed all USCG, OSHA, ABYC and ANSI State, Federal regulations for this type of equipment that are in force at the time of delivery. All motors shall be covered by the manufacturer’s standard warranty. All motors shall be new, factory fresh motors. The boat will be delivered back to the Agency as a complete working unit with allied equipment mounted and functional.

The following make(s) and model(s) are to be considered acceptable for this bid:

Make: Yamaha

Model: F250, RH, 4 Stroke, 4.2 L, 30” Shaft

Make: Yamaha

Model: F250, LH, Counter Rotating, 4 Stroke, 4.2 L, 30” Shaft

The CT DEEP will deliver and pick up the vessel to the awarded vendor’s location for installation of the new motors within a 30 miles of 333 Ferry Road, Old Lyme, CT 06371.

NOTE: A mandatory pre-bid inspection is scheduled for November 20, 2019, at 10am. Location is CT DEEP Marine Headquarters at 333 Ferry Rd. Old Lyme, CT 06371. In the event of bad weather conditions call 860-447-4360 for instructions. CT DEEP representatives will be on hand to allow access to the vessel. This is an emergency response vessel and must be out of service for the least amount of time possible for the repowering.

**SPECIFICATIONS:**

The following are the specifications for the outboard motors:

1. 250-HP rating, 4.2L 6-Cylinder, 3 Star C.A.R.B rating, 4-Stroke ONLY (2 Stroke motor is not acceptable).
2. 1 motor standard rotating, 1 motor counter rotating
3. Electronic Fuel injection (DOHC)
4. Electrical:
	1. 12-volt electric start
	2. 70-amp alternator
5. Gear Shift:
	1. F-N-R Shifter
6. Shaft Lengths:
	1. 30” shafts
7. Tilt/Trim:
	1. To include power tilt and trim feature
8. Manuals:

To include the following:

* 1. Technical Service Manual
	2. Detailed Parts Manual
	3. Operator’s Manual
1. Warranty

All motors shall be covered by manufacturer’s minimum 3 year government warranty.

1. ALLIED Equipment:

The following allied equipment shall be supplied with this purchase:

 To include dual electronic control box.

 “Yamaha Command Link Digital Electronic Controls”

 (2) Trim Gauges

 (2) Trim Senders

 (2) Voltmeters

 (2) Tachometers

 (2) Tachometer Harnesses

 (1) Speedometer

 (1) Dual Binnacle Mount Control Unit

 (1) Fuel Gauge

 (2) Hour Meters

 (2) Light Warning System

 (1) Dual Kill Switch Lanyard

 (2) Stainless Steel Propellers Note: The exact size and pitch will be determined at

 Sea Trials