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Invitation to Bid

Harbor Patrol Boat

2nd Amended Specification at Paragraph XI F as of 3/19/20

1st Amended Specification at Paragraphs VI & XI as of 3/17/20

- Sealed bids are due no later than:
1:30 P.M., Wednesday, March 25, 2020
- Bid opening is public and will take place on Wednesday, March 25, 2020 at 1:30 P.M. in the Harbor District's Main Office Conference Room.
- To submit a bid, complete the "Bid Form"
Return this entire packet in a sealed envelope plainly marked:
"Harbor Patrol Boat Bid"

Delivery of Bids:

(Please note USPS express mail is **not** available to the Harbor Office)

Fed Ex or other Express mail service:

Port San Luis Harbor District
3950 Avila Beach Drive
Avila Beach, CA 93424
Phone: (805)-595-5410

US Postal Service – (It is advisable to ensure USPS delivery 1 day prior to bid opening)

Port San Luis Harbor District
PO Box 249
Avila Beach, CA 93424

Questions and Comments Contact:

Matthew Ashton, Chief Harbor Patrol Officer
(805) 595-5434 or Matta@portsanluis.com
The best time to reach him is 8:00 a.m. – 4:00 p.m., Monday-Friday

Notice Inviting Bids

Notice is hereby given that the Port San Luis Harbor District (District), acting by and through its Governing Board, will receive prior to the date and time on 1st page, sealed bids for the award of a Contract for the following:

Project Scope:

This bid is to provide the Port San Luis Harbor District with a turnkey patrol vessel and trailer, outfitted with all equipment specified in the vessel specifications. Marine aluminum patrol/rescue boat with no more than a 32'6" length overall with a beam no less than 10' and an operational draft no more than 40", modified vee planning hull; Walk-around cabin with drop bow ramp; 300 HP (or approved equal) dual gasoline outboards.

SPECIFICATIONS:

See attached specifications sheet. The bid must meet the specifications listed on the specifications sheet. Failure to meet the specifications may result in disqualification of the bid.

BID DETERMINATION:

Please follow the directions on the first page for bid submission.

BID SUBMISSION, OPENING, AND WITHDRAWAL:

To submit a bid, complete and return this entire Invitation to Bid packet before the date and time indicated on the first page. The bid shall also include an itemized and detailed build sheet for the vessel and trailer. No bid received after the time specified in the Invitation to Bid will be considered. All bids will be opened and declared publicly. The bid shall remain valid for forty-five (45) days following bid opening. A bidder may withdraw its bid without prejudice before the bid opening by submitting a written request to the Chief Harbor Patrol Officer for its withdrawal. The District reserves the right to reject any and all bids and waive any informalities. The District also reserves the right to award, not award, or re-bid the project.

Bid Form – Harbor Patrol Boat

The undersigned contractor has carefully checked all figures in this proposal against the above requirements and specifications. All taxes and any fees shall be included in total cost. The undersigned agrees to accept as full payment the following sum:

Patrol Boat/Trailer Total
(taxes/transport included) \$ _____

Anticipated Delivery Date _____

Company Name _____

Applicant Name _____

Applicant Signature _____

Address _____

Phone Number _____

Email _____

Date Submitted _____

Invitation to Bid Checklist

- Itemized bid which meets all specifications listed on specification sheet**
- Additional itemized bid for Optional Equipment Specifications (Secondary Helm Station)**
- References as requested on specification sheet**
- Bid Form with copy of entire Invitation to Bid**
- Bid envelope clearly marked “Harbor Patrol Boat Bid”**
- Correct address used for delivery service selected**

_____ **Applicant initial**

PORT SAN LUIS - ALUMINUM PATROL BOAT SPECIFICATIONS

**(Amended as of 3/17/20 for Specifications VI & XI below
And 2nd Amended as of 3/19/20 for Specifications XI -F)**

I. General Description

- a. Marine aluminum patrol/rescue boat with no more than a 29'6" to 32'6" length overall with a beam no less than 9'6", modified vee planning hull; Walk-around cabin with drop bow ramp; 300 HP (or approved equal) dual gasoline outboards with power assisted steering. The boat shall have steering and helm on starboard side.

II. General Use Statement

- a. This vessel will be used to patrol 1056 square miles of coastline surrounding the San Luis Obispo Bay. Port San Luis is an open ocean harbor which requires a patrol vessel capable of operating in heavy seas including 20'+ swell. This vessel will at times be secured to a mooring requiring sufficient hardware on the bow to accommodate this.
- b. This vessel will be used for Law Enforcement (LE), Search and Rescue (SAR), Firefighting and frequent stern and side towing operations. The summer season consists of 2-6 hours per day of marine patrol including vessel boarding's, tows, and various other boating safety and enforcement related duties. The winter months will have similar hours of usage with more focus on Search and Rescue, vessel dewatering, and vessel assists. Due to our open ocean harbor, the vessel will regularly operate in heavy weather during the winter months.
- c. This vessel shall be well balanced, stable and durable in order to perform at high speed in heavy seas during patrols where SAR, firefighting and LE operations may occur. The vessel will be launched from an overhead hoist, requiring it to be well balanced with permanent lifting eyes built into the deck. The purchase shall include a galvanized trailer.

III. Bidder Specifications

- a. All work done, when and where governed, must comply with current USCG, NMMA and ABYC regulations.
- b. The boat and trailer design must be a design of a recognized manufacturer of heavy aluminum watercraft that has been in business continuously for a minimum of 24 consecutive months.
- c. Warranties will include:
 - i. Engine- Full manufactures warranty
 - ii. Hull- Minimum 10 years on materials and workmanship
 - iii. Equipment- Manufacturer's warranty or California law
- d. It is intended that the manufacturer, when selecting components, materials and design practices for the specified boat and trailer, will use those which are the best available in the industry for type of operation and conditions for which the boat and trailer will be subjected. All components, materials and design practices will be selected to give maximum performances, service life and safety and does not merely reflect the minimum requirements of the specifications.
- e. Bids to include all costs of the finished boat and trailer, including labor, materials, all applicable taxes, delivery to purchaser at designated location, and all other costs for a completely operational boat and trailer upon receipt.

- f. There may be a monetary penalty for each day after 45 days beyond the delivery date. This penalty will be discussed and agreed upon between builder and purchaser at the time of order
- g. The manufacturer or vendor awarded this bid, without additional charges, will deliver the complete boat and trailer to a location designated by the awarding agency and will be expected to spend one day instructing personnel how to operate and maintain this boat and trailer.
- h. Owner/service manuals to accompany the boat and trailer upon delivery for all applicable components.
- i. Point of contact is Chief Harbor Patrol Officer, Matt Ashton (805) 595-5434 or matta@portsanluis.com. The best time to reach him is 8:00 a.m. – 4:00 p.m., Monday-Friday

IV. General Construction Specifications

- a. All materials and equipment shall be new, shall be marine grade and shall meet appropriate Federal and industry standards for material and installation.
- b. The hull shall be constructed of marine grade aluminum.
- c. The vessel shall not exceed 15,000 lbs. loaded.
- d. The bottom of the hull shall be a minimum of 3/16" (.1875).
- e. The hull construction shall be welded, all welds continuous inside and outside all seams. If stainless steel, they shall be isolated from aluminum.
- f. All fastening to/through the hull shall be aluminum or 300 series stainless steel. If stainless steel, they shall be isolated from aluminum.
- g. The beam of the vessel shall be no less than 10' with a draft of no more than 40".
- h. The vessel hull shall be a modified vee planing hull.
- i. The deck shall be equipped with 4 lifting points capable of suspending the entire load of the vessel. These fittings shall be flush with the deck.
- j. The vessel shall be equipped with an EPA compliant fuel venting and blower system.
- k. The vessel shall be equipped with a minimum of 2 electric bilge pumps with auto/manual/off switch with a minimum of 1000 GPH.
- l. The vessel shall be equipped with a minimum of 8 stainless steel or aluminum cleats either welded on or bolted with backing plates. The cleats shall be a minimum of 8" in size. There shall be two cleats on the bow to be used for mooring the vessel.
- m. There shall be rub strake, padding or a push knee on the drop bow door to be used for pushing ahead.
- n. The vessel shall be equipped with a tow post and spool for tow line capable of holding 250' of 1 1/4" tow line. The tow post shall be strong enough for commercial towing application within the limitations of the boat.
- o. Any bottom paint must meet all current California and Federal environmental requirements.
- p. The vessel shall be equipped with a taft rail to prevent line from being caught in the screws.
- q. Windshield shall be constructed of safety glass.
- r. The light stantion and all overhead equipment shall be hinged in order to lower for overhead hoist clearance.

V. Electrical specifications

- a. International rules navigational lights, marine grade, U.S. Coast Guard approved, are to be installed.
- b. The vessel shall be equipped with a dedicated house battery bank along with one start battery per engine. All batteries shall be marine grade.
- c. The vessel shall include a marine grade breaker and fuse system located inside the cabin.
- d. The vessel shall have a backlit switch panel with marine grade switches. The switch panel must be installed in a location that will prevent damage or accidental activation of switches.
- e. The vessel shall have backlit gauges including the following: hour meter; tachometer; voltmeter; water temperature.
- f. The vessel shall be equipped with windshield wipers for the forward windshield.
- g. The cabin shall be equipped with a minimum of 3 dome lights, Red/White.
- h. The vessel shall include two 12" Multifunction Display Plotters Garmin or equivalent. One on the coxswain side and one on the crewman side. Both plotters should mirror each other.
- i. The vessel shall include one 18" radar unit, Garmin or equivalent.
- j. The vessel shall have on the coxswain side a backlit compass with dimmer switch.
- k. The vessel shall include one VHF radio capable of AIS receiving and one UHF radio. Radios shall be Kenwood brand or equivalent. Both radios should be mounted in a location central to the coxswain and crewman.
- l. The vessel shall include one remote operated LED searchlight.
- m. The vessel shall include a minimum of four LED floodlights.
- n. The vessel shall include a minimum of two 12v fans.
- o. The vessel shall be equipped with a Radio Direction Finder, Simrad or equivalent.

VI. Interior Specifications

- a. The deck shall be outfitted with a rubberized non-skid deck covering.
- b. The deck shall be self-bailing.
- c. Any installed storage shall be lockable.
- d. The vessel shall have two shock mitigating seats, **Shox X4 suspension seat base with footrest or equivalent**, one for the coxswain and one for the crewman.
- e. There shall be bench seating for a minimum of two passengers aft of the coxswain/crewman seats.
- f. Stainless steel cupholders

VII. Steering and Control Specifications

- a. The steering and controls shall be on the starboard side inside the cabin with a tilt steering helm.

VIII. Fuel System Specifications

- a. All installation and materials shall meet minimum Federal specifications.
- b. Tank material must be marine grade aluminum, pressure tested and certified.
- c. The vessel shall have a fuel capacity of no less than 180 gallons and no more than 220 gallons.
- d. The vessel shall be equipped with heavy-duty water and sediment filtering fuel filters.
- e.

IX. Engine Specifications

- a. Engines must be new marine engines.
- b. Engines must meet California State engine exhaust limitations at 50’.
- c. Maximum of 90 DBA at the operator’s console.
- d. All sound deadening materials must be fire retardant.
- e. The engines shall be two Yamaha or equivalent outboard engines with a minimum total horsepower of 600HP and a maximum horsepower of 700HP.

X. Propulsion (Drive) Specifications

- a. The vessel shall be propelled by two (02) outboard engines.

XI. Required Equipment Specifications

- a. The vessel shall be equipped with a law enforcement package including a whelen light bar or equivalent and whelen hailer/siren or equivalent.
- b. The vessel shall include a fixed FLIR MD625 or equivalent system.
- c. The vessel shall be equipped with “HARBOR PATROL” lettering on the collars as well as “HP” overhead identifier decal on the topside of the cabin.
- d. The vessel shall be equipped with a Darley HE 64RP Portable Pump or its equivalent, marine rated with an integrated sea chest, deck connection and bow monitor. Pump shall have the ability to be rigged as a salvage pump for dewatering operations.
- e. The vessel must be equipped with a drop bow door, braced and padded, to be used for pushing.
- f. The collar shall be either of a hybrid design, utilizing a combination of foam and air, the foam being 100% close-cell, or 100% close cell foam, or approved equal. Collar must be wrapped in a heavy-duty sheath. Collar must be used for floatation and stability, and vessel must have the ability to remain operational in the event the collar was to become damaged or removed.
- g. The vessel shall have a raw water washdown station.
- h. The vessel shall have four (04) load-rated lifting straps capable of supporting fully loaded vessel.
- i. The vessel shall include one 24” mounted life ring.

XII. Optional Equipment Specifications

Please attach separate itemized page for the below additional item. This item may or may not be added to the final order:

- a. A secondary helm station aft of the cabin for exterior operation.

XIII. Trailer Specifications

- a. Trailer must meet Federal and SAE requirements.
- b. Trailer capacity to exceed boat weight fully fueled and equipped.
- c. Trailer shall be equipped with bunks, not rollers.
- d. Trailer shall be galvanized.
- e. Trailer shall be equipped with a spare wheel and tire.
- f. Trailer shall be equipped with a braking system.

XIV. Trials

- a. The boat must successfully complete, to the satisfaction of the purchasing agency, the trials listed below.

- b.** The successful bidder shall repair, correct, re-design, as appropriate, at no additional cost, if the boat fails during the sea trial. The successful bidder will be responsible for transporting the boat back to the original place of manufacture for any work or modifications needed after sea trials.
- c.** The sea trial shall be at the manufacturers' or vendors' expense and may be held at either the place of manufacture or at the location of the purchasing agency.
- d.** The manufacture shall notify the purchasing agency at least 7 days before the date set for the sea trial.
- e.** The boat shall be given maneuvering trials to determine turning circle at various RPM, course keeping, maneuvering at slow speeds and towing capabilities.
- f.** The performance trials shall demonstrate constant stable and safe control of the boat through all of its tested operations.

XV. References

- a.** The bidder shall provide at least three references for organizations that have successfully purchased and used aluminum boats for the similar rescue and law enforcement purpose; including but not limited to the same size and cabin design as specified. Failure to provide these references may disqualify the bidder. References shall include the name of the organization, contact person and telephone number.