Purpose

One or two outboard engines are to propel the survey boat during bathymetric and discharge measurements and sampling.

Conditions & Requirements

- The outboard engine shall be of such a design that it operates reliably and safely under the prevailing environmental and hydraulic conditions.
- The engine will be used in sediment and debris laden water.
- The engine will be used in shallow water with a rocky bottom.
- The engine shall be easy to operate and maintain.
- The engine shall be supplied with the accessories as needed for effective use.
- All materials on the engine shall be non-corrosive.
- The engine shall have an expected technical lifetime of not less than 5 years.
- The engine shall be very sturdy.
- Operator's and maintenance manuals, related to the type and model of the outboard engine, shall be part of the delivery.
- The design of the cooling system shall be sediment and debris tolerant.
- The propeller and tail shall be impact resistant.
- The propeller shall be fitted with an adequate type of breaking pin.
- The engine shall have a provision to adjust its trimming.
- The engines shall be operated by a remote control system, located at the stern side bulkhead of the cabin.
- The control system shall have a starting switch, gear switch and a throttle system for each outboard engine and a steering wheel and emergency stop switch for simultaneous operation of the engines.
- For a good serviceability, the engines shall be of a commonly used brand in India.

Specifications

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Accessories

- toolkit
- breaking pins
- spare propellers
- maintenance instructions
- manual
- petrol tank and hoses etc.
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