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No. UGD/JE-HQS/T- 4/2011-12/ 1281-9A  
Government of India/भारत सरकार  
Central Water Commission/केंद्रीय जल आयोग  
Upper Godavari Division/उपरी गोदावरी मंडल

Krishna Godavari Bhavan  
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Hyderabad-500004  
कृष्णा गोदावरी भवन,  
म. सं. 11.4.648, 3 तल,  
ए.सी.गार्ड्स हैदराबाद : 500 004  
Date: 20-09-2012

To

Subject:- Quotation for supply of Navigational Equipment – 5.5 m FRP Boat – Reg.

Sealed quotations are invited for Supplying of the following material so as to reach the office of the undersigned by 1430 hours on 05-10-2012. The quotations will be opened on the same day at 1500 hours in the presence of quotationers or their authorised representative.

S.No.	Description	Quantity
1	FRP BOAT 5.5 m – with Boat outfit (as per the specification enclosed)	1 no.

**TERMS AND CONDITIONS:**

- The envelope containing quotations should be super-scribed as "Quotation for supply of Navigational Equipment – (5.5 m) FRP Boat". Date of opening : 05-10-2012.
- Rates quoted should be f.o.r. Hyderabad including packing, forwarding and all risks during transit.
- Rates may be quoted both in figures & words. In case of dispute rates quoted in words shall be taken as final.
- Taxes chargeable if any should be mentioned separately.
- The minimum period of validity of the rate quoted may be kept open invariably for (2) two months from the date of opening of quotations. In case the validity is not indicated it will be taken as (2)two months.
- Alterations, over-writings if any on the quotations should be attested, without which the quotation is likely to become invalid.
- Material is required to be supplied strictly in accordance with the standard specifications.
- Material is required to be supplied with Manufacturer's Guaranty/Warranty period.
- The under-signed reserves the right to reject any one or all the quotations without assigning any reason.
- The under-signed reserves the right to increase or decrease the quantity indicated.



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A.D.

- k) Payment will be made by Cheque on State Bank of India, Red Hills, Hyderabad after receipt of the materials in full and good condition.
- l) The rates should be f.o.r CWC- Site-Saigaon, Bidar Dist.(Karnataka state) including packing & forwarding /delivery and all risks during transit.



(G.RAMBABU)  
Executive Engineer  
अधिकासी अभियंता

Upper Godavari Division

Copy to:-

1. The Superintending Engineer, Godavari Circle, CWC, Hyderabad for uploading the same to CPP Portal.
2. Smt. Rekha Rani, AD O/o the CE, KGBO, CWC, Hyderabad for uploading the same in KGBO Web site.
3. Accounts Branch, Division Office.
4. Quotation file.
5. Notice board.

## 10.047 FRP BOAT (5.5 m)

Approval Date: 11 August 1999

Reviewed on : 23 October 2007 Version: 1

Equipment Specification: FRP BOAT (5.5 m) Version 1 10.047-1/4

### Purpose

The FRP (Fibre Reinforced Plastic) boat will be used to execute hydrological measurements in rivers, canals and reservoirs. Many of the measurements will be made in very shallow water.

### Conditions & Requirements

- The FRP boat shall be of such a design that it operates reliably and safely under the prevailing environmental and hydraulic conditions.
- The boat shall be capable to operate in shallow water where repeatedly the hull may impact with rock or sediment.
- All materials on the boat exterior and on wet spots inside the boat shall be noncorrosive.
- The boat shall be very sturdy, unsinkable and shall have an adequate stability.
- The boat shall be easy to operate and maintain.
- The boat shall have an expected technical lifetime of not less than 10 years.
- The boat and the outboard engines shall be capable to operate for at least 6 months without any major servicing.
- The boat shall have floatation chambers filled with closed cell foam.
- The boat shall be provided with appropriate fenders.
- The boat shall have a cabin to accommodate equipment and staff.
- At port and starboard side the cabin shall have sitting benches, incorporated in the hull.
- The cabin shall have windows and a lockable door.
- On deck adequate workspace (at least 1.8 x 2.5 m<sup>2</sup>) should be provided to carry out hydrological measurements.
- The rear deck shall be provided with an awning.
- The boat shall be supplied with the accessories as needed for effective deployment.
- The boat shall be fitted with two outboard engines (see 10.036).
- The outboard 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 engine and a steering wheel and emergency stop switch for simultaneous operation of the engines.
- The control system shall match the outboard engines.
- A break water arrangement shall be provided in the front.
- Guard-rail and stanchions with detachable chain will be rigged out around the deck opening. Suitable guard-rails should also be provided around the deck.
- Bollards and fairleads are to be provided on the deck for mooring purpose.
- A maintenance manual, related to the type and model of the FRP boat, shall be part of the delivery.

### Specifications

#### 1. Boat

length approx. 5.5 m

width approx. 2 m

Equipment Specification: FRP BOAT (5.5 m) Version 1 10.047-2/4

draft approx. 0.5 m

free board approx. 0.6 m

bottom shape flat or slightly catamaran

propulsion 2 Nos. of 30 kW (40 HP) outboard engines

carrying capacity 750 kg (approx.)

1000 kg

#### 2. Cabin

length approx. 2 m

height ample sitting height

door lockable

door width >0.8 m

#### 3. Boat outfit

anchor matching boat, fitted with 5 chain and rope for water depth of 20 m and current velocity of 5 m/s

echo-sounder indicator type, fitted in the boat

compass magnetic type, fitted in the boat

fenders 4 of Coir type

paddles 4 for rowing

life-jacket for each person on board, also for guests

life-buoy 8 pieces with at least 50 m line, readily available on board

fire extinguisher >5 kg

The fire extinguisher shall be readily accessible in the motor compartment (if any) and in the cabin

**Remarks**

For the installation of winches, fitting of survey echo-sounder transducers etc. some local reinforcements and/or supports may be required. Arrangements shall exist for mounting the boat outfit (Bracket) and for dropping of the anchor to keep the boat stationary, during flow measurements. These can only be specified after selection of the survey instruments and other relevant equipment.

Arrangements shall be made for safe working on the boat.

For Indian bidders, the Registrar of Shipping, Mumbai, shall approve the design and drawing.

For international bidders the design and drawing shall be approved by a national agency in their country authorised for the purpose and acceptable to the purchaser.