

**Government of Maharashtra**  
**Disaster Management Unit, Relief & Rehabilitation, Revenue & Forests Department**  
**Procurement of Boats and other Accessories**

**Tender Notice**

No- R&R/DMU/(76/2007):DM-I/Boats & Acc/07

Sealed tenders are invited by the Principal Secretary, Relief & Rehabilitation, Government of Maharashtra, Mantralaya, Mumbai-32 for the procurement of following Fibre- Reinforced Plastic(FRP) boats, inflatable rubber boats, and other accessories from the registered manufactures/suppliers having previous experience of supply to Government departments/organisations.

Sl. No	Name of equipment	Nos	Earnest Money Deposit	Date of issue of blank forms	Last Date of Receipt of sealed tenders	Date and time of opening of tender	Cost of tender
1.	FRP boats with OBM & Acc.	20	One percent value of stores tendered, or Rs. 50,000/- whichever is less	6 <sup>th</sup> Nov 2007 to 6 <sup>th</sup> Dec 2007 (upto 1500 Hrs)	6 <sup>th</sup> Dec 2007 upto 1600 hrs.	6 <sup>th</sup> Dec, 1700 hrs.	Rs. 3,000/- (non-refundable)
2.	Inflatable rubber boats with OBM & Acc.	5					
3.	Life Jacket (Foam Type )	700					
4.	Life buoys	1000					

The blank tender forms can be purchased from the office of the Disaster Management Authority, 14<sup>th</sup> Floor, New Administrative Building, Mumbai - 400 032 on payment of Rs 3000/- by demand draft or pay order. The tender forms can also be downloaded from the departments website <http://mdmu.maharashtra.gov.in>. Such vendors submitting the bids on the downloaded form, are required to enclose along with their technical bid, a demand draft or pay order towards the cost of the tender form i.e. Rs 3,000/-(non-refundable)

Principal Secretary, Relief and Rehabilitation reserves the right to reject any one or all the tenders without assigning any reason thereof.

(S. C. Mohanty)  
 Director and OSD

Serial No. .... Tender No-R&R/DMU/(76/07)DM-I/Boats & Acc/07 Price Rs.3000/-

Serial No.....

Price Rs.3000/-

### TENDER FORM

*Attention is particularly invited to clauses 2 or 3, 6 & 21 of the instructions to Tenderers.*

(To be returned with the tender to the Principal Secretary, Relief & Rehabilitation,  
Room No. 555, 5<sup>th</sup> Floor, Mantralaya, Mumbai 400 032.)

Schedule of tender No. R&R/DMU/(76/2007):DM-I/Boats & Acc/07

Sale of Tender - Upto 6th Dec 2007 (upto 1500 hrs)

Last date of submission of Tender- 6<sup>th</sup> Dec 2007 upto 1600 hrs.

Date & time of opening of Tender- 6<sup>th</sup> Dec 2007 at 1700 hrs.

Tender shall remain valid till - 31<sup>st</sup> March 2008.

Serial No.	Description of goods	Quantity	Price of Tender Form
1	FRP boats with OBM & Acc.	20	Rs. 3,000
2.	Inflatable rubber boats with OBM & Acc.	05	
3.	Life Jacket (Foam Type )	700	
4.	Life buoys	1000	

Specifications attached

N.B.-(1) The tenderer should pay Earnest Money Deposit of 1% of the value of the stores tendered subject to a maximum limit of Rs.50,000/-only by Demand Draft or Pay Order in the name of "Principal Secretary, R&R, Government of Maharashtra, Mantralaya, Mumbai" along with the tender and state clearly in the tender that he has paid the Earnest Money Deposits against Tender Enquiry No. R&R/DMU/(76/2007)DM-I/Boats & Acc./07. Tender received with cheques for Earnest Money will be treated as invalid tender.

OR

(2) The tenderer should clearly state whether his firm is registered with C.S.P.O. (Maharashtra State)/D.G.S. & D/N.S.I.C. or as S.S I. Unit in his state for the item for which Tender Enquiry is floated. The registration should be valid at present and an attested true copy or Photostat copy of the valid registration certificate should be furnished along with the tender.

Serial No.....

Price Rs.3000/-

- (3) Final rate including all types Taxes, Freight, VAT, Insurance, Transportation anywhere in Maharashtra etc. payable by the Government should clearly be stated giving detailed break-up of the price in following format. Terms such as ‘as applicable’ etc. should not be used but a final and firm price be quoted per item.

Basic Price	Octroi	Transport	VAT	Insurance	Education	Forwarding Handling	Packing	Custom Duty	Excise Duty	Others	Total
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(As applicable during the validity period of the tender)

- (4) Octroi Exemption Certificate and Sales Tax D/H Form will be provided from this office.
- (5) Tenderer should submit his tender on original letter head only and every page of document should be signed and stamped by the participant.
- (6) Rates F.D./F.O.R. Destination + installation in Maharashtra should be quoted. No other conditions are acceptable.
- (7) The selected vendor should be in a position to supply the equipment within three month or earlier from the date of placing of the order.
- (8) Though any vendor can participate in the tender, the Principal Secretary, Relief & Rehabilitation, Government of Maharashtra reserves the right to select the vendor who has a manufacturing or servicing center/repair workshop in Maharashtra. The tender should have their service center in Maharashtra.
- (9) Due weightage will be given to the capability of the participants for providing after sale service.
- (10) Expected warranty period is minimum one year however participant will have to give guarantee for service & maintenance at least for two years after the expiry of warranty period. The participant should mention his comprehensive AMC rate separately inclusive of all charges in commercial bid. These charges shall also be taken into account to decide the vendor.
- (11) The Maximum down time at any given time should not be more than 48 hrs. Penalty of Rs. 3,000 per day will be charged there after for every 24 hrs.
- (12) The Principal Secretary, Relief & Rehabilitation, Government of Maharashtra reserves the right to select any vendor on the grounds of his experience, the clients, the service centers, the capacity or turnover of the vendor which can infuse confidence that selected vendor can complete the work within the given time.
- (13) The vendor should submit in the technical bid, the copy of the audited Profit & Loss Account and Balance Sheet of last two years, and list of agencies/ departments to whom the supply was made in the last two years.
- (14) Performance bank guarantee for a period of one year, issued by a Nationalized Bank or Scheduled Bank, amounting to five per cent of the accepted bid amount, will have to be furnished by the vendor within a period of seven days from the date of issue of the purchase order, failing which the purchase order will be treated as null and void and the EMD will stand forfeited.

Serial No. ....Tender No-R&R/DMU/(76/07):DM-I/Boats & Acc./07 Price Rs.3000/-

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Serial No.....

Price Rs.3000/-

- ( 15) The bank guarantee can be encashed by the Government if the supply is not completed within the stipulated or extended period .
- (16) The Vendor should submit the comparative chart of their product with specification given by this office, and additional features if there are any, it may be shown separately.
- (17) Tenderer should submit his sales tax/VAT registration evidence along with latest sales tax clearance certificates and also authorization letter of original manufacturer and where applicable the letter of sub dealer.
- (18) The Principal Secretary, Relief & Rehabilitation, Government of Maharashtra reserves the right to reject any or all tender without assigning any reason.
- (19) The condition in purchase procedure rule and purchase manual of Govt. of Maharashtra. Vide GR.No भाखस/१०८८/(२५१२)/उद्योग-६, दिनांक २.१.१९९२ and recent amendments there of will be applicable.
- (20) The tender should be submitted in Two Bid system in which the commercial bid to be enclosed in a sealed separate envelope marked as 'Commercial Bid' and technical bid be sealed in a separate envelope marked on 'Technical Bid'. Both these envelopes be enclosed in another envelope marked as 'Two Bid System for the supply of Boats & Accessories'.
- (21) The bidders for boats are required to bid for OBM and accessories as a composite set. Each such set will comprise of 1 Boat, 1 OBM, 15 jackets, 4 life buoys, training (and inflation pumps, for rubber boats.)
- (22) Points nos. 1 or 2, 3, 5, 13, 17 and 20 would be considered as qualifying criteria for the evaluation of bids

(Signature of Tenderer)

# Specifications

## **A. INFLATABLE RUBBER BOAT**

- a. The boat shall be inflatable with air pressure either by Foot Pump or Electric pump (12 Volts DC)
- b. The boat shall be suitable for 10 (ten) persons, or for 3000 lbs weight.
- c. The boat shall have reinforced strips under air chamber and keel rubbing strake for extra strength, under the main air chamber.
- d. The design of the boat shall be such that, it shall have four separate air chambers, out of which three air chamber shall be in main hull, and fourth air chamber shall be in the inflatable keel.
- e. The hull, air tubes (chambers), keel shall be made from special reinforced rubber material, preferably from 1000 DENIER or equivalent.
- f. The boat shall be provided with Plastic coated Transom to form a water proof cocoon.
- g. The exterior size of the boat shall be min. 4200 mm x 1800 mm.
- h. The interior size of the boat shall be min. 2925 mm x 1000 mm.
- i. The deflated size hull shall be approx. 1150 x 650 x 350 mm, and floor board shall be 775 x 950 x 150 mm.
- j. The boat shall have four chambers situated at Port, Starboard, Bow, and Keel.
- k. The diameter of the tube shall be min. 19”.
- l. There shall be inflatable keel of 7” diameter for stability in sea and swift water rescue.
- m. The seams of the boat shall be Quadruple overlap.
- n. The air valves shall be one way type of approved type and make, preferably Halkey/Roberts make.
- o. There shall be 5/8” grab line along sides for safety.
- p. The weight with hull and floorboard shall not be more than 187 lbs.
- q. The floor board shall be inter-locking type of polyethylene material with carry bag.
- r. The boat shall have round/conical pontoons for rapid planning.
- s. It shall have built in oarlocks for easy rowing.
- t. There shall be two stainless steel “D” rings for towing.
- u. The boat shall have four carrying handles, and front lifting handle.
- v. There shall be strake around hull and under keel for extra protection.
- w. There shall be two layers of material on lower tubes for better abrasion and puncture resistance.
- x. There shall be two self bailing drain valves.
- y. The design of the hull shall be wide beam type for better stability.
- z. The boat shall be supplied with carrying bag.
- aa. There shall be one Aluminium bench seat.

- bb. The boat shall be supplied with Bow storage bag, repair kit, two foot pump and one electric pump.
- cc. The boat shall have quick attachment for OBM.
- dd. The boat shall be approved by Indian Register of Shipping.
- ee. The inflatable rubber boat shall be provided with markings ('Government of Maharashtra' at one side and 'DRM Programme with logo of Relief and Rehabilitation, Government of Maharashtra; Ministry of Home Affairs, Government of India and United Nations Development Programme at other side')

## **B. FRP BOATS**

1. The FRP boat shall have carrying capacity of 10 persons.
2. The FRP shall be manufactured with marine grade FRP material using latest technology.
3. Hull dimensions:
  - Length : 6 mts
  - Width : 2mts
  - Depth : 1 mt
  - Thickness : 6 mm
  - Thickness at keel: 12 mm
4. Design: 'Open type' Aerodynamic design and of planning type with 'Vee-bottom' form
5. The frame of the FRP boats shall be of high density stainless steel
6. The floor shall be of marine plywood 12 mm coated with fiberglass & antiskid coating.
7. The accessories with the FRP boat shall include following:
  - Oars : 2 nos (wodden)
  - Oar locks : 2 nos
  - S S Bollards : 2 nos
  - C.I. Mooring Cleats : 2 nos.
  - Rope : 100 feet polypropylene mooring ropes with 10mm dia
8. The rubber fendering shall be provided all over the FRP hull at deck level.
9. The hull shall of orange colour and marking shall be in black.
10. The FRP boat shall be provided with markings ('Government of Maharashtra' at one side and 'DRM Programme with logo of Relief and Rehabilitation, Government of Maharashtra; Ministry of Home Affairs, Government of India and United Nations Development Programme at other side')
11. The seating arrangement shall consist of wooden thwarts.
12. The boat shall be provided with outboard motor which can be quickly attached whenever required.
13. The boat shall be certified by Indian Registrar of Shipping (IRS).

### **C. OUT BOARD MOTOR**

1. The boat shall be provided with outboard motor which can be quickly attached whenever required.
2. The OBM shall be of reputed make preferably Mercury, Suzuki, Honda, Kawasaki.
3. The engine of the out board motor shall be four stroke, three cylinder in- line gasoline engine.
4. The engine shall have electronic fuel injection system.
5. The engine cooling system shall be water cooled type with Thermostat.
6. The ignition system shall be Electronic Digital Inductive type.
7. The starting of the engine shall be electrical type.
8. The gear ratio shall be 2.00:1 or better.
9. There shall be Alternator of 18 Amp. And 223 watts.
10. The trim system shall manual type.
11. The steering system shall be Tiller type.
12. The exhaust system shall be through prop.
13. The lubrication system shall be wet sump with pressured.
14. The engine shall be Ultra low emission ratings.
15. There shall be warning system for overheating, low oil pressure, and sensor failure.
16. The engine and driveline shall be fitted in enclosed housing to protect from seawater.
17. The dry weight shall not be more than 75 kgs.
18. The capacity of engine shall be 40 HP for the FRP boats.
19. The RPM of the engine shall be 5500-6500 for 40 HP OBMs.
20. The capacity of engine shall be 30 HP for the Inflatable Rubber boats.
21. The RPM of the engine shall be 5000-6000 for 30 HP OBMs.

#### **D. INFLATION PUMPS**

1. There shall be two pumps for inflating the boat. One is foot operated and other shall be electrically operated from vehicle battery.
2. The foot pump shall be Bellow type, suitable to inflate the boat in minimum possible time (not more than 15 minutes) along with hose and couplings.
3. The electric pump shall be high pressure, automatic shut off pump and shall be able to operate on 12 volts DC vehicle battery through cigarette lighter adaptor with cable and inflation hose and valve adaptors.

## **E. LIFE JACKET FOAM TYPE**

1. The life jacket shall be approved by MMD, DG of Shipping and shall meet the latest standard of Imco and Solas.
2. The jacket shall be foam field having floatability of 16.5 kgs.
3. The size of the jacket shall be 80 x 37 x 10 cm. approx.
4. The jacket shall be provided with 3 M reflective tape with whistle.
5. The cover of the life jacket shall be made from nylon and orange in colour.
6. The foam shall be soft neoprene foam and aircel.
7. The life jacket shall be provided with suitable Velcro / straps for securing.
8. The life jacket shall be provided with markings ('Government of Maharashtra' and 'DRM Programme') made from the reflective tapes at the back side.

## **F. LIFE BUOYS WITH 30 MTS. ROPE**

1. The ring buoys shall be made from polyurethane having 800 mm O.D. and 430mm. I.D.
2. The buoyancy shall be minimum 19.5 kgs. & the weight shall not be more than 4.5 kg.
3. The ring buoys shall be provided polypropylene rope having 9.5 mm dia.
4. The colour of the ring buoys shall be orange.
5. The ring buoys shall be approved by MMD, DG of shipping.
6. The life buoys shall be provided with markings 'Government of Maharashtra' and 'DRM Programme'

## **G. TRAINING**

The successful bidder (s) of boats has to arrange training for the personnel of flood rescue teams @ six persons per boat in handling, operation and maintenance of the above equipment at recognized training institute or any other institute agreeable to R&R Deptt, GoM. Other details are as follows:

For inflatable rubber boats:

One batch of (5X6) 30 trainees

Duration of training: 4 days

For FRP boats:

Four batches of 30 trainees each (total 20X6= 120 trainees)

Duration of training: 3 days

The training shall be imparted in the following area.

1. Operations and handling of boats
2. Maintenance and repairs of OBMs
3. Maintenance and repairs of boats
4. Storage of inflatable rubber boats & FRPs
5. Usage of foot and electric pumps (applicable for inflatable boat)
6. Rescue technique with life jackets and life buoys.
7. First aid technique to the drowning person.
8. Other allied trainings