To

The DGs: Assam Rifles/BSF/CRPF/ITBP/NSG/SSB/BPR&D

Subject:- Finalization of QR/specifications for Rigid Inflatable Boats.

The QR/specification for Rigid Inflatable Boats has been finalized and accepted by the MHA.

2. Henceforth, all the CPMFs should procure the above items required by them strictly as per the laid down QR/Specifications.

(Alok Mukhopadhyay)
Under Secretary (Prov-I)

Copy to:-

DD(Procurement), MHA

Copy for information to:-

1. PS to JS(PM), MHA
2. Dir(Prov), MHA
### OR/SPECIFICATION OF RIGID INFLATABLE BOATS

<table>
<thead>
<tr>
<th>1. Principal Particulars</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length Overall</td>
</tr>
<tr>
<td>Length inside</td>
</tr>
<tr>
<td>Beam Overall</td>
</tr>
<tr>
<td>Draught</td>
</tr>
<tr>
<td>Type of Engine</td>
</tr>
<tr>
<td>Carrying capacity</td>
</tr>
<tr>
<td>Speed</td>
</tr>
<tr>
<td>Endurance</td>
</tr>
<tr>
<td>Seating</td>
</tr>
<tr>
<td>Maximum Load</td>
</tr>
<tr>
<td>Sponson Dia</td>
</tr>
<tr>
<td>No of Compartments</td>
</tr>
<tr>
<td>Fuel tank capacity</td>
</tr>
</tbody>
</table>

### 2. Hull/Deck and Under Deck

- The hull shall be of GRP/FRP construction with white pigmented coloured gel coat forming the outer surface. The exterior surfaces of the hull shall be free of deflections and of bright smooth finish.
- The hull shall have a compartmentalized under deck construction with flood control design in the event of any damage and fracture to the outer hull.
- The hull shall incorporate adequate hull stiffeners compliant with the requirements of the certification authority/IRS.
- All under deck surfaces shall be resin sealed and flow coated.
- A bow towing eye shall be provided.

### 3. Material

- Hypalon/Neoprene (Not less than 1500 GSM/1670 Dtex) (Meeting LSA standards of IMO)

The collar shall have a minimum of 7 individual airtight compartments, each with an Inflation Valve.

### 4. Inflation Valves

- a) Shall be positioned so as not to allow debris or water to collect in the valve.
- b) The valve seal shall be of a type that can easily be changed.

### 5. Durability & Protection

- The collar shall be provided with:
  - a) A rubbing strake around the entire outer edges
  - b) Additional protection/cladding to the bow/nose section
  - c) Addition topside, outer and inner collar surface double skinning Hypalon wear patches to the aft quarter to midship section of collar Topsides of collar to be protected by a flat rubber wear strake
  - d) Suitable relief valves to be provided for each compartment.
  - e) Lifelines to be provided-internal and external.
  - f) A bow fairlead to be fitted for guiding the anchor rope.
  - g) 1.0M of collar material to be supplied for damage repair.
6. Propulsion & Engine Instrumentation

The Boat shall be powered by a single Four stroke outboard engine with electric start-power trim & till and a suitable propeller.

The engine shall be controlled by remote Single Lever (Gear & throttle combined) control unit.

Navigational & Electrical fittings

These equipments as per requirement will be fixed

Instrumentation
1) Tachometer
2) Speedometer
3) Temperature gauge
4) Fuel Gauge
5) Voltmeter

7. Additional Equipments & Accessories

1. A steel transport and stowage cradle
2. A manual bilge pump permanently mounted at the transom with overboard discharge pipe.
3. Mooring Bollard x 1
4. Collar repair kit
5. Inflation valve cores and relieve valves x 7 each
6. SOLAS Life Jackets x 8
7. Life Buoys x 2
8. Anchor- 15 Kg with 2 meters of chain and 30 meters of anchor rope
9. Loose 5 gallon fuel tank x 1
10. SOLAS first aid box x 1
11. Boat hook x 1 mounted in secure stowage straps
12. Mooring rope 32 meters
13. Large stowage locker in forward face of console with waterproof door
14. Stowage lockers under Jockey seats x 8
15. Boat operating and maintenance manual
16. Engine operation manual
17. Spare propeller and propeller nut and Washers x 1
18. Stainless steel Guard rail all round the front console
19. High intensity Search Light

20. Space shall be provided for:-
   a) Installation of a VHF Radio set
   b) Stowage for Hand Held Search Light with wander lead.
21. Console with clear vision screen with two pilot seats in the front along with remote controller arrangement.