

CONFIDENTIAL
TECHNICAL SPECIFICATION AND REQUIREMENT OF SEA WATER BATTERY (PROPULSION BATTERY)
FOR A244/S MOD-1/A TORPEDO

1. **Description of Items** : Sea Water Battery for propulsion motor of A244/S Mod-1/A Torpedo. It is activate with sea water as electrolyte.
2. **Quantity** : 2 in no
3. **Year of Manufacture** : 2022 or later/Latest production.
4. **Manufacturing Country** : France.
5. **Country of Origin** : Italy or France.
6. **Purpose** : The battery will be used to provide electric power to the propulsion motor and the other control system of A244/S Mod-1/A Torpedo.
7. **Technical Specification (As per manual- MG244023, Page No 3-172 and DGDP Contract No 218/6708/242/TS/DGDP/NP-4 Dt 28 June 2001).**

- a. Type of battery : SAFT Voltmag 616 Magnesium alloy AP65 and silver chloride battery with sea water as electrolyte.
- b. Sea water battery patt No : W000822 (As per existing battery name plate)
- c. Number of element : 146 AgCl and Mg (Silver Chloride-Magnesium Base Elements)
- d. Electrolyte : Sea-water with NaCl content between 15 and 38gm/Ltr
- e. Voltage supply by one element : 1.1 V (nominal)
- f. Total voltage : 170 Volts (nominal)
- g. Current : 180 A for 6 min
- h. Power : 32 kw
- j. Discharge resistance : 0.85 Ohm
- k. Amount of electrolyte : 45 to 30 Ltr/min, in terms of Torpedo speed.
- l. Time of operation : Not less than 6 min
- m. Priming time : 2 Sec
- n. Life of battery : 05 (Five) Years.

8 **Stowage Condition.**

S No

Battery Stowage Condition Exposure Period

- | | | |
|----------------------|---------------------------------|---------------|
| 1. Outside container | : Temp: 20°C±5°C, Humidity ≤50% | Upto 48 hours |
| 2. Outside container | : Temp: 20°C±5°C, Humidity ≤80% | Upto 02 hours |
| 3. Outside container | : Temp: 40°C, Humidity ≤+70% | Upto 05 year |

9 **Manufacture Address A244S Torpedo:**

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10 **Contract Point:**

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