**Limpet Mine “Mark 414” (7 Kg) & “Mark 430” (15Kg)**

1. **Brief Description/ Technical Details.**

(a) The Limpet Mine 7 Kg and 15 Kg is required for use in Indian Navy to meet the operational requirement. The hemispherical pressure resistant mine bodies is made of fiber material with provisions of magnets capable of sticking to ship’s hull and explode with the help of time fuze and detonator.

(b) The Basic specification of Limpet mines are as mentioned below:-

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| --- | --- | --- | --- |
| **S No** | **Parameters** | **LIMPET MINE 7 Kg** | **LIMPET MINE 15 Kg** |
| (i) | Shape | Hemispherical | Hemispherical |
| (ii) | Diameter (Base) | 350 mm (max) | 420 mm (max) |
| (iii) | Height (with magnet and Tube Clasper) | 200 mm (max)  | 230 mm (max) |
| (iv) | Weight in Air | 12.0 Kg (max) | 20.5Kg |
| (v) | Weight of Explosive (TNT) | 7 Kg (max) | 15 Kg (max) |
| (vi) | Type of Explosive | Insensitive Munition and compliant with STANAG 4439 |
| (vii) | Weight in water | < 0.5 Kgs(-ve Buoyancy) | < 0.5 Kgs(-ve Buoyancy) |
| (viii) | Operating Depth | 30 m (max) | 30 m (max) |
| (ix) | Detonator used | Detonator Electrical No. 82 Mk N2 | Detonator Electrical No. 82 Mk N2 |

 (c) Necessary license for explosive ingredients are required to be obtained by the manufacturers. During development necessary sample are required to be submitted by manufacturer for the fitment, functional trials, QT and ETs etc.

2. **Tentative** **Quantity.** 100/year

3. **Tentative Timeline for Development/ Production**. Two- three years