**Limpet Mine “Mark 414” (7 Kg)**

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

(a) The Limpet Mine 7 Kg is required for use in Indian Navy to meet the operational requirements. The hemispherical pressure resistant mine body 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 mine are as mentioned below:-

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| **S No** | **Parameters** | **LIMPET MINE 7 Kg** |
| (i) | Shape | Hemispherical |
| (ii) | Diameter (Base) | 350 mm (max) |
| (iii) | Height (with magnet and Tube Clasper) | 200 mm (max) |
| (iv) | Weight in Air | 12.0 Kg (max) |
| (v) | Weight of Explosive (TNT) | 7 Kg (max) |
| (vi) | Weight in water | < 0.5 Kgs(-ve Buoyancy) |
| (vii) | Operating Depth | 30 m (max) |
| (viii) | Detonator used | 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