**Float Smoke and Flame A/C 3.5 lbs No.2 Mk2**

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

(a) The Float Smoke and Flame A/C 3.5 lbs No.2 Mk2 are pyrotechnic stores aircrafts/helicopters to indicate the position at sea. They are designed to emit smoke and spontaneous inflammable vapour which illuminate the surrounding area, When dropped into water from aircraft. The envisaged characteristics of the store are as follows:-

|  |  |  |
| --- | --- | --- |
| **S No** | **Parameters** | **Specified Values** |
| (i) | Length | Not more than 465 mm |
| (ii) | Diameter | Not more than 82.5 mm |
| (iii) | Diameter over tail fins | Not more than 99 mm |
| (iv) | Weight | Not more than 1.6 Kg |
| (v) | Weight of pyrotechnic composition filling | Not more than 400 gm |
| (vi) | Effective duration of burning | At least 06 min |
| (vii) | Terminal Velocity | Not more than 100m/s |
| (viii) | Release altitude | Up to 6000 m |

(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.** 550