**Proximity, DA and Graze Fuze for 76/62 SRGM with Universal Capability for 76-127mm Ammunition**

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

(a) Super Rapid Gun Mount (SRGM) is one of the main weapons of Indian Navy mounted onboard on front line battle ships. The gun uses 76/62 SRGM ammunition which is fitted with Naval Radio Proximity Fuze designed to be used in operations against sea skimming missiles as well as against aerial targets. In addition it can also be used against surface target and shore establishments. .

(b) The Radio Proximity Fuze is designed to operate in Ultra high Frequency (UHF) range with specially designed antenna which initiate the explosive train when in proximity to aerial targets and sea skimming missiles. The fuze has two modes of operations:-

(i) Proximity Function with impact/graze backup and self-destruction mode against target size of 0.1 m2 at a speed upto 3 Mach at a height of ≥ 6m from sea surface. The self-destruction mode should operates at 27±2 sec after firing. The proximity mode functioning should be enabled after 500m safety range from firing platform.

(ii) Impact/Direct action (Paralysed mode selectable form weapon firing panels prior to firing). The impact function should be armed at a distance of 100m from firing platform.

(iii) 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.** 5000 fuzes @ 500 fuzes/year

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