**SHQ (Air Force)**

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| 1. | **Name of Potential Project** |
|  | 125 kg bomb (akin to MK-81 Bomb) |
| 2. | **Brief about the project** |
|  | 125 kg Bomb is intended to be used for bombing against targets viz industries, fortifications and light armoured vehicle etc. It should be adaptable on existing aircraft of IAF as well as futuristic aircraft. The bomb should have both Retarded Tail Unit (RTU) as well as Non-Retarded Tail Unit (NTU).  |
| 3. | **Broad specifications / PSQRs** |
|  | (a) The bomb should have facility for nose fusing as well as tail fusing of the store with fuse AVU-ETM/ETMA and any futuristic fuse.(b) The store should be compatible with Russian as well as Western suspension systems.(c) Shelf life of the bomb should be more than 30 years(d) The bomb should have Pre-fragmented and Thermo-baric variants of warhead.(e) Weight of the bomb should not exceed 125 kg.(f) Net Explosive Quantity should not be less than 40 kg.(g) Store should be compatible for carriage on existing Bomb Racks available with IAF.(h) Bomb should be capable to be stored in open. |
| 4. | **Tentative quantity to be procured after successful prototype development** |
|  | 500 per year |
| 5. | **Tentative timeline for induction** |
|  | Immediate |
| 6. | **Any other relevant information** |
|  | Nil  |