**Foldable Fiberglass Mat (FFM) for Rapid Runway Repair**

1. **Name of Potential Project**. Design and development of Foldable Fiberglass Mat (FFM) for Rapid Runway Repair.

2. **Brief about the Project**. FFM is a rigid light weight composite material reinforced with specially developed fibreglass polyster resin weaved and cut to shape to give rapid mat. The FFM is a new technique for repair of large size of crater. The aim of ADR (Airfield Damage Repair) with FFM is to recover min op surface (MOS) in shortest time frame for recommencement of air ops.

 The fibreglass reinforced mats, joining panels should be the strongest modular matling system required to be laid on crater (caused by bombing) and filled by debris and top layer of 18” to 24”/30” with crushed stone aggregate compacted to give CBR value of 25 Approx. The placement and anchoring of the FFM assembly should serve as a Foreign Object damage cover for an area of 16m x 18m.

3. **Tentative Quantity**. Tentative quantity to be procured after successful prototype development is approximately 122 Sets per year.

4. **Approx Cost**. Rs. 192 Crore approx (to be ascertained during Industry Interaction/Feasibility Study).

5. **Tentative Timelines**. Two years.

6. **Vetting by other Stakeholders**. The project is one of the highest priority projects of Indian Air Force which was deliberated, vetted and agreed by all stakeholders during various meetings chaired by VCAS & AOA during 2016 & 2017.

7. **Proposal**. AIP of the collegiate committee headed by Sec (DP) may be accorded for the above stated project.

8. **Justification**. The above project will make the Indian Air Force self-reliant in the area of Rapid Runway Repair during War/Hostilities in the shortest time frame.