1. **Mission Need.**
   (a) Construction of Helipads, particularly in an operationally constrained timeframe.
   (b) Size varying from 25m x 25m to 100m x 100m.

2. **How Mission Currently Undertaken.**
   (a) Helipad membrane & ATW(Assault Track Way) Class -12 & 30.
   (b) **Limitations.**
       (i) Membrane used for smaller size hepters only.
       (ii) ATW - heavy weight & transport requirement, difficulties - handling & camouflage, manpower intensive.

3. **Solution Proposed.** Development of helipad with latest technology material to overcome the present limitations.

4. **Key Technologies Involved.**
   (a) Technological advancement in material science.
   (b) Material using Polymers/ Composites/ Alloys.

5. **Broad Functional Requirements.**
   (a) Basic set size of 25m x 25m.
   (b) Modularity - to be able to join one/ more sets.
   (c) Light weight with significant strength.
   (d) Operating temperature ranges of (-) 20°C to 55°C.
   (e) Coloured/ pigmented for camouflage.
   (f) Absorb high impacts & point loads.
   (g) Withstand downwash of all in-service hepters.
   (h) Corrosion resistance.
   (i) Man portable in parts.
   (k) Ease of vehicle transportability.

6. **Tentative Quantity.** Initially 50 sets & approximately 10 sets per year for five years.

7. **Broad Timelines.** As per DPP 2016.

8. **Assistance During Design & Development (D&D) Phase.**
   (a) Close interaction during development.
   (b) UATW (Upgraded Assault Track Way) Project already under progress as MAKE-II.

9. **Contact Details of Project Officer.**
    Col PK Seetaram
    Col Combat Engineers - 5(B)
    Ph : 011-23019604
    ce5-einc-army@nic.in