**QUESTIONNAIRE :**

**DEVELOPMENT OF WING DROP TANK FOR MIRAGE -2000 AIRCRAFT**

**Section – I: General Aspects**

1. Is the company/Association of Persons (AoP) eligible as per provisions of Annexure I of Chapter IIIA of DPP 2016 for a Make II project? (Eligibility of Participation: **Indian vendors only**).
2. Please provide an assessment of existing capability (Financial and Technical) to undertake the project?
3. Please confirm whether 40% Indigenous Composition (IC) can be ensured at prototype stage and at the subsequent procurement stage?
4. Does the vendor envisage the feasibility of achieving future exports?
5. Whether project involves completely indigenous R&D or does it involve Transfer of Technology (ToT) through foreign collaboration? Please provide details of the same.
6. Please indicate the estimated/tentative time period for completion of R&D.
7. Please indicate the Rough Order of Magnitude (ROM) Cost of Wing drop tanks as follows:-
	1. Cost for Design & Development of Wing drop tank including prototype.
	2. Cost for production for initial estimated quantity 100 Wing drop tanks.

**Section II - Technical Aspects**

1. The system should:-
	1. Have capability to sustain pressure effectively from 750 to 830 mbar.
	2. Supply fuel to both feeder tank to aircraft and give the indication of empty tank and fuel not feeding to feeder tank.

* 1. Be able to function without degradation in performance at temperatures and pressures encountered within the operating altitude and no degradation in extreme weather.
	2. Drop tank should be capable for jettisoning fuel using two dump valve which are electrically operated (28 V DC) to release the fuel.
	3. Should be supplied with anti corrosive inhibition system for long term storage in tropical climate. Manufacturer should also provide periodicity and procedure for storage maintenance & inhibition.

(h) Should be supplied with storage container for long term storage. The container should be light in weight and should provide ease of transportation by road/rail/air. It should be easy for removal of D/T from container for use and /or for scheduled maintenance.

(j) Indicate limitations on maximum time period of continuous operation of the system, if any.

(k) Being airborne equipment, total weight of system (including all components, reservoirs, pipelines etc.) should be as low as possible.

(l) Be able to function satisfactorily from -5G to +12G loading.

(m) Be designed, manufactured and tested in accordance with applicable airworthiness/MIL STD standards. Please indicate the applicable standards.

2. Please indicate plan/status of airworthiness certification of the system/components. Ab-initio indigenous designs will need to be certified through Centre for Military Airworthiness Certification (CEMILAC).

3. Please provide relevant and applicable technical details. Indicative items of information are weight, flow rate, safety systems, stand by systems, parts.