

**QUESTIONNAIRE ON MAKE IN INDIA: CHAFFS (1"x1"x8")**  
**AND FLARES (1"x1"x8" & 2"x1"x8")**

**General Aspects**

1. Whether the company/Association of Persons (AoP) is eligible as per provisions of DPP 2016? (Eligibility of Participation: Indian vendors only).
2. Whether the vendor can provide an *assessment* of its capability (Financial and Technical)? If so provide the necessary documentation for verification.
3. Whether 40% Indigenous Composition (IC) can be ensured?
4. Does the vendor envisage the feasibility of achieving future exports?
5. Whether the vendor's proposal would be eligible for Make-I or Make-II subcategory of Chapter III of DPP 2016?
6. Whether R&D or ToT through foreign collaboration is proposed by the vendor?
7. Estimated cost of development in case indigenous R&D is proposed.
8. Estimated tentative time period of completion of R&D or ToT.
9. Production capacity along with envisaged timelines for local production, maintenance support and life time support.
10. Rough Order of Magnitude (ROM) Cost of Chaffs & Flares manufactured in India as follows:-
  - (a) Cost of 50,000 Chaffs & Flares.
  - (b) Cost of 1,00,000 Chaffs & Flares.
  - (c) Cost of additional multiples of 50,000 Chaffs & Flares.

**Technical Aspects**

11. Details about products, meeting the following generic technical specifications may be provided:-

**FOR CHAFFS (1"x1"x8")**

SI No	Characteristic	Requirement
1.	Frequency Coverage	Vendor to specify
2.	Average RCS	Vendor to specify ____ m <sup>2</sup> @ ____ sec
3.	Ejection Velocity	Vendor to specify ejection velocity in m/sec
4.	Bloom time	Vendor to specify

5.	Cross section	24.64 x 24.64 x 206 mm
6.	Weight	Vendor to specify weight of each chaff cartridge.
7.	Operating Temperature	Vendor to specify min & max range
8.	Exposure Temperature	Vendor to specify min & max range
9.	Environmental conditions for storage	Vendor to specify
10.	Shelf Life	Vendor to specify $\geq$ ____ years.
11.	Service Life	Vendor to specify ____ days & ____ flying hrs
12.	Squib (type, nomenclature, indigenous/ex-import etc may also be specified)	Vendor to specify (a) No fire current (b) All fire current (c) Pre-fire Resistance value (d) Post-fire resistance

**FOR FLARES (1"x1"x8"&2"x1"x8")**

SI No	Characteristic	Requirement
1.	IR output (3-5 $\mu$ )	Vendor to specify ____kW/sr @____ sec
2.	Burn Time	Vendor to specify $\geq$ ____ sec
3.	Ejection Velocity	Vendor to specify ejection velocity in m/sec
4.	Cross section (a) 1"x 1"x 8" (b) 2"x 1"x 8"	(a) 24.64 x 24.64 x 206 mm (b) 51.82 x 24.64 x 206 mm
5	Weight	Vendor to specify weight of 1"x 1"x 8" & 2"x 1"x 8" Flares
6.	Operating Temperature	Vendor to specify min & max range
7.	Exposure Temperature	Vendor to specify min & max range
8.	Exposure Temperature	Vendor to specify min & max range
9.	Shelf Life	Vendor to specify $\geq$ ____ years.
10.	Service Life	Vendor to specify ____ days & ____ flying hrs
11.	Squib(type, nomenclature, indigenous/ex-import etc may also be specified)	Vendor to specify (a) No fire current (b) All fire current (c) Pre-fire Resistance value (d) Post-fire resistance