

**REQUEST FOR INFORMATION FOR PROCUREMENT OF  
155MM / 52 CALIBRE TOWED GUN SYSTEM**

1. Indian Army is planning to procure 155mm / 52 Calibre Towed Gun Systems. It is proposed to identify probable vendors who can undertake above project.
2. Vendors are requested to furnish comprehensive details of 155mm / 52 Calibre Towed Gun Systems in form of Brochures alongwith reply to the following questions :-
  - (a) What are the dimensions of proposed gun system ?
  - (b) Give out details for the following :-
    - (i) Calibre of the gun system.
    - (ii) Barrel length.
    - (iii) Barrel life.
  - (c) **Range :-**
    - (i) **Indirect Fire.**
      - (aa) What is the maximum range with standard high explosive (HE) ammunition ?
      - (ab) What is the maximum range with assisted (Base Bleed) ammunition ?
      - (ac) What is the minimum range achievable in high angle with standard HE ammunition ?
    - (ii) **Direct Fire.** What is the maximum range for direct fire / anti tank fire ? What are the types and size of target ?
  - (d) **Arc of fire**
    - (i) What are the traverse limits at all angles of elevation ?
    - (ii) What is the maximum and minimum elevation for the proposed gun system ?
  - (e) **Endurance and Rate of fire :-**
    - (i) What is the intense rate of fire of the gun system ? What is the maximum duration for which it can fire in intense rate ?
    - (ii) What is its burst rate of fire ?
    - (iii) What is its sustained rate of fire for 75 minutes in low angle charge ?

- (f) What are the accuracy and consistency parameters of proposed gun system ?
- (g) **Crew.** How many personnels are required as crew?
- (h) **Mobility parameters.** What is the maximum speed of the proposed gun system when in towed configuration on :-
- (i) Metalled Road.
  - (ii) Cross country.
- (j) What is the turning circle diameter when towed by a Field Artillery Tractor ?
- (k) What are the acceptable limits of time into / out of action by day and by night ?
- (l) What is the ground clearance and the wheel base ?
- (m) What type of sighting system has been used ? What is the night vision capability ?
- (n) Which is the fire control system available on the gun system ? Is the fire control system compatible with Project Shakti equipment ?
- (o) What type of manual backups are available on the gun system for various automatic actions?
- (p) What are the navigation capabilities of the gun system? What are the limits for orientation and fixation?
- (q) What communication system is in use for :-
- (i) Inter communication.
  - (ii) Intra communication.
- (r) **Ammunition System in Use.** Give out the details of ammunition system that can be fired with the gun as below :-
- (i) Projectiles.
  - (ii) Fuzes.
  - (iii) Charges.
- (s) Give details of ammunition handling i.e. loading and ramming.
- (t) What is the type of recoil system ?
- (u) What type of obturation system is in use ?

(v) What is the power source for gun functions ? Give out details of Auxiliary Propulsion Unit (APU) and speed of the gun on road and cross country with APU ? What redundancy is available to the APU.

(w) Is a tandem drive panel available ?

(x) **Environmental performance**:- What is the efficiency of the gun system in varying ambient temperature range ?

(y) What type of safety arrangements including warning systems are incorporated to ensure safe operation and maintenance of the gun ?

(z) Is the muzzle velocity radar (MVR) available on the gun ?

(aa) **General comfort and ease of handling** :-

(i) What type of data displays are available to the crew members ?

(ii) What seating arrangements are available for crew members ?

(ab) Is the gun system transportability by Rail / Sea ?

(ac) Give its EMI / EMC compatibility.

(ad) **Status of Development / Production**. What is the present status of development of the gun system ? Confirm the following :-

(i) Availability of prototype.

(ii) Whether the proposed gun system is in-service with any country. Details of such countries if applicable.

3. Please give out the indicative unit cost per gun system.

4. You are requested to forward the details by 16 August by FAX / courier at the address given below:-

Integrated HQ of MoD (Army)  
General Staff Branch  
Directorate General of Artillery (Artillery-5)  
Room No 506A, 'A' Wing, Sena Bhawan  
New Delhi-110011  
FAX : **011 - 2333 3609**  
Tele : **011 - 2333 3609**

5. The information may also be sent on the following E-mail ID :-

[artydte-mod@nic.in](mailto:artydte-mod@nic.in)

6. An early response is requested please.