

GOVERNMENT OF INDIA
MINISTRY OF DEFENCE
DEFENCE RESEARCH & DEVELOPMENT ORGANISATION
LOK SABHA

UNSTARRED QUESTION NO.1631

TO BE ANSWERED ON THE 25TH NOVEMBER, 2016

NEW ADVANCED TOWED ARTILLERY GUN SYSTEM

1631. SHRI J.J.T. NATTERJEE:

Will the Minister of DEFENCE j{k ea=h
be pleased to state:

- (a) whether the Defence Research and Development Organisation (DRDO) has successfully conducted proof firing tests of Armament system for 155 mm x 52 calibre New Advanced Towed Artillery Gun System (ATAGS);
- (b) if so, the details thereof;
- (c) whether ATAGS is fully indigenously built towed artillery gun system and if so, the details thereof;
- (d) whether the ATAGS has high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system; and
- (e) if so, the details thereof?

A N S W E R

MINISTER OF STATE
IN THE MINISTRY OF DEFENCE

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(DR. SUBHASH BHAMRE)

(डा. सुभाष भामरे)

(a) & (b): Yes, Madam. Two sets of Armament Systems, including Ordnance (Barrel, Breech Mechanism and Muzzle Brake) and Recoil System for 152 mm x 52 calibre Advanced Towed Artillery Gun System (ATAGS) have been proved on newly developed Fixed Firing Stand “Angad” installed at Proof and Experimental Establishment (PXE), Balasore, during 13-22 June 2016 and 28 Sep 2016. Maximum chamber pressure of 558 ± 15 Mega Pascal was achieved during the trials.

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(c) Yes, Madam. The following subsystems have been manufactured for integration:

- (i) Ordnance Assembly (Gun Barrel, Breech Mechanism and Muzzle Brake)
- (ii) Recoil System
- (iii) Gun Structural System
- (iv) Automotive System
- (v) Gun Automation and Control System
- (vi) Communication System including Battery Command Post (BCP), Voice and Data Communication Unit (VDCU), Software Defined Radio (SDR)
- (vii) Sighting System including Optronic Sight, Dial Sight, Telescope and Muzzle Bore Sight

(d) & (e): Yes, Madam. Details are given below:

- High Mobility: 18 km/hr (on road) and 10 km/hr (Beaten dessert track) in Self Propelled (SP) mode. 40 km/hr in Towed mode.
- Quick Deployability: Coming into and out of action time of 1 min 30 sec.
- Auxiliary Power Mode: Achieved with 110 kW Diesel Engine.
- Advanced Communication System: equipped with Voice and Data Communication Unit (VDCU) and Software Defined Ratio (SDR) based Communication System.
- Automated Command and Control System: Compatible with Artillery Combat Command & Control System (ACCCS) Shakti protocols.
