

**GOVERNMENT OF INDIA
DEFENCE
LOK SABHA**

UNSTARRED QUESTION NO:736
ANSWERED ON:23.02.2006
DEFICIENCY IN ARMS AND AMMUNITION
Yadav Shri Kailash Nath Singh

Will the Minister of DEFENCE be pleased to state:

- (a) whether certain deficiencies have been detected in the arms and ammunition manufactured by the ordnance factories in the country during the last three years;
- (b) if so, the details thereof;
- (c) whether the Armed Forces have also rejected such arms and ammunition;
- (d) if so, the facts in this regard; and
- (e) the steps taken by the Government to ensure the quality of arms and ammunition manufactured in the ordnance factories in the country?

Answer

MINISTER OF STATE FOR DEFENCE PRODUCTION (RAO INDERJIT SINGH)

(a) & (b): Yes, Sir. The army has reported certain deficiencies in some batches of .56mm INSAS rifle, 5.56mm INSAS Light Machine Guns, Small Arms Ammunition, Tank Ammunition and Delay Igniters, supplied by Ordnance Factories.

(c) & (d): Armed forces have segregated affected quantities of arms and ammunitions for investigation/repair. Detailed Statement is attached.

(e) Some of the steps being taken by ordnance factories to ensure better quality and avoid such recurrences include:-

- (i) Adopting Total Quality Management concept and continuously updating quality monitoring techniques.
- (ii) Upgrading Plant and Machinery for achieving built in quality.
- (iii) Quickly investigating deficiencies in association with the armed forces.
- (iv) Imparting specialized training to workmen and supervisory staff.
- (v) Modernising Proof testing equipments to record accurate proof and test parameters.
- (vi) Interacting regularly with the users.
- (vii) Handing over quality control of input materials and vendor development activities to Ordnance Factories, so as to have better control over the quality chain.

STATEMENT REFERRED TO IN THE REPLY GIVEN IN PARTS (c) & (d) OF LOK SABHA UNSTARRED QUESTION NO. 736 FOR ANSWER ON 23.2.2006

Sl	Items	Remarks
No		
1.	5.56mm INSAS Rifle	Problem of Oil Spray noticed. Periodical maintenance instructions are being amended besides, exploring the feasibility for minor modification in design.
2.	5.56mm INSAS Light Machine Gun	Bullet lodging in some LMGs noticed during firing. Necessary modification in design is being carried out.
3.	125mm High Explosive Ammunition	Burning particles found during firing,

due to use of Triple Base Propellant.
Repair of segregated ammunition has
been started and likely to be
completed within 3 years.

4. 125mm High Explosive
Anti tank Ammunition
5. 125mm Fin Stabilized
Armour Piercing
Discarding
Sabot
6. Igniter 4 Sec. Delay This igniter, which is used for hand
and rifle grenades, was found to have
problems during storage at the depots.
Design improvement has been carried
out and a new variety has been offered
to the army for trial evaluation.
- 7 Small Arms Cartridge Some ammunition became rusted during
7.62mm storage. The majority of this
segregated ammunition has been
repaired.
8. Small Arms Cartridge A small quantity of this ammunition
5.56mm was segregated due to material design
defects and is being investigated.