

**GOVERNMENT OF INDIA  
DEFENCE  
LOK SABHA**

UNSTARRED QUESTION NO:1828

ANSWERED ON:03.08.2000

DEVELOPMENT OF NUCLEAR BIOLOGICAL CLOTHINGS BY KANPUR ORDNANCE FACTORY  
THAAWAR CHAND GEHLOT

**Will the Minister of DEFENCE be pleased to state:**

- (a) whether the Ordnance Factory at Kanpur, has developed nuclear biological clothings for safeguarding the soldiers from nuclear zone against radio-activity;
- (b) if so, the specifications thereof;
- (c) the facilities armed forces are likely to get besides the uniforms and snow boots at high altitudes;
- (d) the time by which the production and testing of new defence logistics are likely to commence and handed over to Army for use;
- (e) whether the ordnance factory, Kanpur has imported machines from Japan for this purpose; and
- (f) if so, the details thereof and the expenditure incurred thereon?

**Answer**

MINISTER OF STATE FOR DEFENCE PRODUCTION & SUPPLIES (SHRI HARIN PATHAK)

(a) to (f): A statement is attached.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (f) OF LOK SABHA UNSTARRED QUESTION NO. 1828 FOR 3.8.2000

Nuclear, Biological & Chemical (NBC) Warfare Clothing items have been developed by DRDO and are being productionised by Ordnance Equipment Factory and Ordnance Parachute Factory, both located at Kanpur.

These clothing items will be governed by the following specifications formulated by DRDO:-

S.No.	Item	Specification No.
(i)	NBC Suit Permeable:	DMSRDE/T&GS/97/415/Te x 4/4 (b) & 5 (b)
(ii)	Haversack:	DMSRDE/T&GS/97/415/Te x 4/9 (b)
(iii)	Casualty Bag Half	DMSRDE/T&GS/97/415/Te x 4/7 (b)
(iv)	Casualty Bag full	DMSRDE/T&GS/97/415/Te x 4/6 (c)
(v)	Facelet Mask 'B'	DMSRDE/T&GS/97/415/Te x 4/8 (b)

Besides uniforms and snow boots, the troops deployed in high altitude areas will be provided with adequate protective clothing to survive in a hostile NBC environment.

The demand for supply of NBC Warfare Clothing items developed by DRDO has been placed by Army HQ on Ordnance Factories after successful trial evaluation by the Army. Supply of targeted quantities for 2000-2001 is scheduled for completion by 31st March 2001. No special type of machines have been imported for manufacture of these items, which will be manufactured with available infrastructure.