

**Utilisation of Talents of Able
Bodied Ex-Servicemen**

Statement

4041. SHRI P. M. SAYEED : Will the Minister of DEFENCE be pleased to state :

(a) whether Government propose to utilise the talents of the able bodies ex-servicemen; and

(b) if so, the details thereof and the time likely to be taken to implement the scheme ?

THE MINISTER OF STATE IN THE DEPARTMENT OF DEFENCE RESEARCH AND DEVELOPMENT (SHRI ARUN SINGH) : (a) and (b). It has always been the Government's endeavour to utilise the talents of the able-bodied ex-servicemen in various activities/areas by :

(i) re-employment in suitable jobs in Government, Public Sector Undertakings, Banks, etc. and

(ii) induction into police, paramilitary, Peace-keeping and Protection Forces.

This is a continuous process and no time frame can be laid down.

Appointment of Scientists in DRDO

4042. SHRI AMAL DATTA : Will the Minister of DEFENCE be pleased to state :

(a) the total number of Scientists of category 'B' and 'C' recruited in Defence Research and Development Organisation on ad-hoc basis during the years 1983-84 and 1985 giving break up according to State of origin; and

(b) out of these recruited on ad-hoc basis, how many have been selected for the permanent absorption and how many have been actually absorbed after the expiry of the period of ad-hoc appointments ?

THE MINISTER OF STATE IN THE DEPARTMENT OF DEFENCE RESEARCH AND DEVELOPMENT (SHRI ARUN SINGH) : (a) and (b). The required information is indicated in the statement given below. Data pertaining to the state of origin of Scientists are not being maintained as these recruitments are on all India basis.

year	Number of Individuals appointed on adhoc basis	Out of (2) number selected for regular appointment	Out of (3) number actually appointed on regular basis
Scientist 'B'			
1983	82	53	52
1984	210	178	176
1985	100	61	60
1986 (upto 31.7.86)	13	10	10
Scientist 'C'			
1983	3	2	2
1984	8	6	6
1985	7	5	5
1986 (upto 31.7.86)	—	—	—

Working of Heavy Water Plants

4043. SHRI CHINTAMANI JENA : Will the PRIME MINISTER be pleased to state :

(a) whether almost all the heavy water plants are not working satisfactorily and their output is very low;

(b) if so, the reasons therefor;

(c) the steps being taken to improve the working of the heavy water plants; and

(d) the measures taken to improve the functioning of these plants or to establish more plants to increase the production of heavy water to meet the requirement ?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND IN THE DEPARTMENTS OF OCEAN DEVELOPMENT, ATOMIC ENERGY, ELECTRONICS AND SPACE, (SHRI SHIVRAJ V. PATIL) : (a) No, Sir. The performance of the Heavy Water Plants at Baroda, Tuticorin and Kota during the first quarter of this year have been quite satisfactory.

(b) Does not arise.

(c) While steps are being undertaken constantly to improve production in all the plants, in the case of Talcher after revamping and modifications, the production will depend on quantity and duration of availability of synthesis gas from the Fertilizer Plant.

(d) The output from the present plants will be sufficient to meet the immediate requirements of heavy water for the nuclear power programme. Three more projects at Thal, Manuguru and bazira which are in various stages of implementation will guarantee availability of heavy water for subsequent power stations.

Control Over Floods Through Space Technology

4044. SHRI BALASAHEB VIKHE PATIL : Will the PRIME MINISTER be pleased to state :

(a) whether with the advanced space technology developed in the country it is possible to make a timely forecast about the danger of floods;

(b) if so, the details thereof; and

(c) whether this technology has been put to test and if so, with what results ?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND IN THE DEPARTMENTS OF OCEAN DEVELOPMENT, ATOMIC ENERGY, ELECTRONICS AND SPACE, (SHRI SHIVRAJ V. PATIL) : (a) and (b). The capability for better forecasting of the danger of floods has vastly improved with

the advance of science and technology. In particular with advances in space technology there are a number of elements which will contribute to a better and more timely forecast of floods. These include obtaining of meteorological cloud picture from weather satellites which improve accuracies of prediction of rainfall in particular regions, use of remote sensing to improve methods of watershed characterisation and use of Data Collection Platforms for obtaining data about rising water-levels in rivers. In addition, remote sensing data can also give a better idea about snow conditions and to a limited extent about contribution to water run-off from snow-melting. While technologies related to Data Collection Platforms are getting very close to the operational stage, the experimentation to more accurate rainfall relating prediction over small regions, water-shed characterisation, snow-melt run-off etc., are still in the experimental stage. Till all these elements are well tested under different conditions and integrated models are arrived at, it will not be possible to have a very satisfactory forecast about the danger of floods. However, with some of the data which are available from the above sources, it is possible, to a limited extent, to forecast possible floods.

(c) Many of the technological elements are being put to test with data from INSAT meteorological imagery, data from USA's NOAA satellite which is being received in India and remote sensing data obtained from USA's Landsat Satellite etc. India Meteorological Department (IMD) is utilising the cloud imageries received from INSAT-1B for prediction of heavy rainfall in advance caused by cyclones and other severe weather systems. These inputs are very useful for issuing flood warning in affected areas.

Ceiling on Edible Prices

4045. SHRI BALASAHEB VIKHE PATIL : Will the Minister of FOOD AND CIVIL SUPPLIES be pleased to state :

(a) whether Government propose to fix ceiling on the edible oil prices as reported in the Business Standard dated 29 May, 1986;