

**THE MINISTER OF INDUSTRIAL DEVELOPMENT AND SCIENCE AND TECHNOLOGY (SHRI C. SUBRAMANIAM) :** (a) The Division for Scientific and Technical Personnel of Council of Scientific and Industrial Research (CSIR) carried out a study of unemployment amongst Technical personnel and other graduates in the country on the basis of the data collected in the 1971 Census. Under employment or the number of graduates who had abandoned efforts for employment were not included in the study.

(b) 5,79,858 persons with at least a first degree in Science, Agriculture, Arts or Commerce or at least a diploma in Engineering, Technology or Medicine were estimated to be unemployed in April, 1971. They constitute 19.1% or about one fifth of the estimated total stock in these categories. Out of these, 1,58,574 persons were not looking for employment; majority of them (1,27,644) were women. Reason why they were not looking for employment is not known.

The study revealed that among the professional qualification holders medical doctors and veterinarians have the lowest percentage of unemployment *i.e.* about 5 to 6 per cent. Post-Graduates in Agriculture comes next with about 8% of unemployment. Graduates in Engineering and Technology as well as in Agricultural Science and Post-Graduates in Science have a little higher rate of unemployment ranging from 11 to 15%.

Amongst all the categories, the highest unemployment is among the first graduates in Science *i.e.* about 25%. For Arts graduates (first degree only) it is nearly 24%.

The Government of India is concerned about the unemployment amongst educated persons and have already taken some steps. An "Expert Committee on Unemployment" has been appointed to assess the extent of unemployment and to suggest remedial measures. A sum of Rs. 50 crores has been allocated in the 4th Plan for employment of educated unemployed, of which, an amount of Rs. 20 crores has been allocated in this year's budget. An amount of Rs. 27 crores has been earmarked by the Planning Commission for allocation to State Governments for formulating special employment programmes for which the States will have to contribute another 27 crores. Nationalised Banks also render financial help to enterprising unemployed persons. Planning Commission and the State Governments are also considering the problems of unemployment.

Besides these, schemes like Scientists' Pool, Research Fellowships, Supernumerary appointments are in operation to help the Scientific and Technical Personnel, in particular.

#### Survey of Unemployed Engineers

2222. SHRI JYOTIRMOY BOSU : Will the Minister of HOME AFFAIRS be pleased to state :

(a) whether Government have made a survey of the unemployed engineers on the basis of 1971 Census; and

(b) if so, the main points thereof?

**THE DEPUTY MINISTER IN THE MINISTRY OF HOME AFFAIRS (SHRI F. H. MOHSIN) :** (a) In the main schedule which was canvassed on universal basis at the 1971 Census, no question on unemployment was asked.

However, along with the main schedule an ancillary special schedule called "Degree Holders & Technical Personnel Cards" was canvassed by self-enumeration method among Degree Holders & Technical Diploma or Certificate Holders only. The coverage of this ancillary schedule cannot be said to be comprehensive. One of the data items of this special schedule related to unemployed engineers.

(b) The main points of the data-item mentioned in (a) above are :—

(i) Number of unemployed engineers by sex break up with—

(a) Degree level and above.

(b) Diploma level, in each of the engineering subject fields *viz.*, (i) Agricultural engineering, (ii) Architecture/Town & Country Planning, (iii) Civil, (iv) Electrical, (v) Electronic/Telecommunication Radio, (vi) Mechanical, (vii) Chemical, (viii) Mining, (ix) Metrology, (x) Auto Engineering, (xi) Aero Engineering, (xii) Public Health/Sanitary Engineering/Productive/Industrial Engineering, (xiii) Other Engineering and Technology.

(ii) Number of unemployed engineers trying for a job; and

(iii) Number of unemployed engineers not trying for a job.

Provisional figures of unemployed engineers according to the above characteristics are given in the Statement laid on the Table of the House. [Placed in Library, See No. LT-3395/72].