

(c) Does not arise.

**Infrastructure for the Transfer of Technology
Developed by C.S.I.R.**

2466. SHRI K. PRADHANI : Will the PRIME MINISTER be pleased to state :

(a) whether the Regional Research Laboratory (RRL), Bhubaneswar has played an important role through its research and development efforts at the utilisation and conservation of natural resources, especially minerals and energy ;

(b) if so, whether any infrastructure has been built to transfer the technology developed by laboratories under the Council of Scientific and Industrial Research to the industries or the common man ;

(c) the broad outlines of such an infrastructure built ; and

(d) if not, the reasons thereof ?

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) Yes, Sir. Several techniques and technologies have been developed by Regional Research Laboratory (RRL), Bhubaneswar for better utilisation and conservation of minerals and energy. Some of these are recovery of coal from coal washeries, beneficiation of low-grade ores of chromite, iron, manganese and magnesite, utilisation of ore fines through pan sintering and energy saving oil fired burner.

(b) and (c) All unencumbered in-house technologies developed by CSIR laboratories are commercialised through the National Research Development Corporation, a public sector enterprise under the Government of India. Other technologies developed with the collaboration or financial inputs from users are directly transferred by CSIR. In addition, the Polytechnology Transfer Centres set up by CSIR in ten State capitals, interact with the regional tiny and small scale units for transfer of technology.

(d) Does not arise.

**Steps for Indigenisation of Consumers'
Electronics**

2467. SHRI K. PRADHANI : Will the PRIME MINISTER be pleased to state what steps the Department of Electronics are taking to ensure maximum stress on indigenisation of consumers' electronics like VCRs, etc ; in the country, bring down their prices and bring them within the reach of a common man ?

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) : The main products in the Consumer Electronics sector include radio receiver sets ; tape recorders/two-in-ones ; black and white and colour television receiver sets ; and video cassette recorders (VCR)/video cassette players (VCP).

Almost all components required for the manufacture of radios tape recorders/two-in-ones ; and black and white television receiver sets are now being manufactured in the country. These products are, therefore, indigenised.

As regards colour TV receiver sets, about 20% of the components going into them are available indigenously. The percentage of imported components in CTV is expected to come down to about 60% by 1986-87 ; and become nominal from 1988 onwards. The major steps taken to indigenise components, including those going into colour TV sets, include delicensing of the components industry and allowing MRTP and FERA companies to manufacture components, so that the resources and the capabilities of such companies are available to establish large scale production of quality components, at reasonable prices.

As regards VCR/VCP manufacture, only such parties will be promoted as are prepared to commit sizeable investments for suitable vertical integration, with an accelerated phased manufacturing programme ; and