

जहाँ तक आपातस्थिति की अवधि के दौरान बंदियों के साथ बुरे व्यवहार के विशिष्ट मामलों का सम्बन्ध है, ये शाह आयोग के विचारार्थ विषयों में अन्तर्गत आयेगे।

#### Utilization of space Technological for location of Mineral resources

450. SHRI A. BALA PAJANOR: Will the Minister of SPACE be pleased to state:

(a) the present position of application of space technology for location of mineral resources in the country;

(b) the actual achievements made so far in application of the space technology and the areas in which new mineral resources have been located as a result thereof; and

(c) the phases of the plans for intensive utilisation of such a technology in future?

THE PRIME MINISTER (SHRI MORARJI DESAI): (a) The Space Applications Technology for locating mineral resources in the country is at present in the experimental stage. In the absence of the direct exposure of minerals to the ground surface, indirect approach is used such as geological and geomorphological studies which indicate possibilities of minerals. For very specific minerals exposed to the surface, it is possible to design special sensors which will help in their easier identification. Such sensors have so far been tried on aircraft only. Studies are just beginning in India and are largely based on available satellite data from other countries and our own aircraft data which are now being collected through multiband and multispectral sensors.

(b) A few Landsat Imageries and data from aircraft surveys carried out in India are available to scientists of ISRO and other organisations and these are being analysed for geological and mineralogical applications.

Some of these have resulted in identification of new linear and other structural features.

(c) The second Indian satellite to be launched in 1978 will carry sensors which will provide imagery of interest to geologists. Proposals are being discussed from interested scientists and organisations in India for use of satellite and aircraft data for this purpose.

#### Production of power through Atomic Energy

451. SHRI A. BALA PAJANOR: Will the Minister of ATOMIC ENERGY be pleased to state:

(a) the quantum of power produced through the use of atomic energy;

(b) whether in view of the oil crisis, Government propose to produce power more by atomic energy than by other sources;

(c) if so, the salient features of the plans in this regard; and

(d) whether the working of the present power stations is handicapped or likely to be handicapped through non-availability of nuclear material from foreign sources?

THE PRIME MINISTER (SHRI MORARJI DESAI): (a) During the year 1976-77, 3252 million Kwh of energy was generated through the use of atomic energy.

(b) and (c). The energy requirements of the country are met by a mix of thermal, hydro and nuclear power plants in which the role of nuclear power is marginal. The situation created by the oil crisis will have to be met by increased reliance on coal based thermal power. According to present plans, an installed capacity of 6000 MW, subject to availability of finance, is tentatively envisaged for nuclear power stations by 1990.