

buildings in the capital which are exposed to serious fire hazards;

(b) if so, what steps Government propose to take to enforce the building bye-laws which provide for essential fire safety requirements; and

(c) whether education in fire safety will be made compulsory for designers, architects and engineers ?

THE MINISTER OF STATE IN THE MINISTRY OF HOME AFFAIRS (SHRIMATI RAM DULARI SINHA) :

(a) According to the information furnished by the Delhi Administration out of 235 multi-storeyed buildings in the capital, fire safety measures in 207 buildings have been found to be inadequate.

(b) and (c). The unified building bye-laws which came into force in June 1983 make it obligatory to provide for adequate arrangements for fire-safety as recommended by the Chief Fire Officer before the building plans are sanctioned. A 'no objection' certificate is also required from the Chief Fire Officer before grant of completion certificate to ensure that the recommendations regarding fire safety have been carried out.

The bye-laws also make it obligatory that only the architects and engineers registered with the competent authority are authorised to submit building plans.

Hazards to Human Life due to Nuclear Reactors

2358. SHRI BHOLA NATH SEN : Will the PRIME MINISTER be pleased to state :

(a) whether suitable measures to reduce the dangers of hazards to human life and environment have been incorporated in the designs of the Nuclear Reactors in the country;

(b) if so, the details thereof; and

(c) the probabilities of large release or radiations particularly due to external factors like earthquake, lightning or air attack ?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND IN THE DEPARTMENTS OF OCEAN DEVELOPMENT, ATOMIC ENERGY, SPACE AND ELECTRONICS (SHRI SHIVRAJ V. PATIL) : Yes Sir.

(b) The measures include :

(i) proper siting of the reactors;

(ii) cladding of fuel with well proven high quality materials;

(iii) emergency core cooling system;

(iv) proper instrumentation to detect leakages and to ensure automatic shut-down of reactors;

(v) properly designed containment structure to contain all radioactive products, in case of an unlikely accident;

(vi) waste management systems for gaseous and liquid effluents.

(c) Plants located in earthquake prone areas are designed to withstand shocks due to earthquake that is likely to occur in the area. All the structures at the plants are protected against damage by lightning by the normal lightning protection devices. The automatic shut-down system and the design of the containment structure which is made of reinforced concrete will afford sufficient protection of the reactors even in the unlikely event of a direct air attack.

Plan to Beautify Darjeeling

2359. SHRI ANANDA PATHAK : Will the Minister of TOURISM AND CIVIL AVIATION be pleased to state :

(a) whether there is any proposal or plan to beautify Darjeeling which is most attractive place for the tourist; and

(b) if so, the details thereof ?

THE MINISTER OF STATE IN THE MINISTRY OF TOURISM AND CIVIL AVIATION (SHRI ASHOK GEHLOT) : (a) and (b). The Department has not received any proposal from the Government of West Bengal for the beautification of Darjeeling. There is also no proposal under consideration of the Department for this purpose.