

**GOVERNMENT OF INDIA  
ROAD TRANSPORT AND HIGHWAYS  
LOK SABHA**

UNSTARRED QUESTION NO:3921  
ANSWERED ON:19.12.2011  
USE OF RUBBER IN ROAD CONSTRUCTION  
Maadam Shri Vikrambhai Arjanbhai

**Will the Minister of ROAD TRANSPORT AND HIGHWAYS be pleased to state:**

- (a) whether the Government has formulated any strategy for use of natural rubber in roads as recommended by experts;
- (b) if so, the details thereof;
- (c) if not, the reasons therefor;
- (d) whether the Central Road Research Institute has developed technologies for the use of domestic natural rubber in maintenance/construction of roads;
- (e) if so, the details thereof; and
- (f) the steps taken or proposed to be taken by the Government in this regard?

**Answer**

THE MINISTER OF STATE IN THE MINISTRY OF ROAD TRANSPORT AND HIGHWAYS (DR. TUSHAR A. CHAUDHARY)

(a)&(b) The use of natural rubber modified bitumen has been specified by the Ministry for binder courses and wearing courses laid on National Highways.

(c) Does not arise.

(d)to(f) The Central Road Research Institute has tested the technology for use of modified bitumen including natural rubber modified bitumen in construction and maintenance of roads under Ministry's sponsored research scheme. As per findings of the study, natural rubber modified bitumen improves the durability of roads by reducing susceptibility towards temperature variations and improving the desirable properties of bitumen thereby giving overall better performance. As per Ministry's policy, the modified bitumen can be used for the entire surfacing of the National Highways.