

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

UNSTARRED QUESTION NO:1273  
ANSWERED ON:16.11.2010  
CONSTRUCTION AND MAINTENANCE OF ROADS  
Kumar Shri P.

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

- (a) whether the Central Road Research Institute has recommended the use of durable asphalt polymer to build roads as the material saves time, labour and energy and helps the Government to cut expenses on building and Maintaining roads;
- (b) if so, whether the Government will consider using such durable asphalt polymer to build roads;
- (c) if so, the details thereof and whether the Government have analysed the future environmental impact in case of using such material; and
- (d) if so, the details thereof ?

**Answer**

THE MINISTER OF STATE IN THE MINISTRY OF ROAD TRANSPORT AND HIGHWAYS (SHRI R.P.N.SINGH)

- (a) & (b): Yes, sir. The Central Road Research Institute has recommended use of modified bitumen including polymer based wherever appropriate, for construction and maintenance of roads. Roads built with such materials are durable, long lasting and give improved performance. The life-cycle cost of building and maintenance of such roads are lower as compared to the roads built with conventional asphalt. Such modified bitumen is being used as per Ministry's Specifications for Road and Bridge works.
- (c) & (d): The modified Bitumen is being used for wearing course on National Highways which is environment friendly & improves durability of roads.