

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

UNSTARRED QUESTION NO:2174
ANSWERED ON:14.03.2007
ROADS WITH POLYMER AND RUBBER
Baitha Shri Kailash;Meghwal Shri Kailash

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

- (a) whether certain roads have been laid down with polymer and rubber modified bitumen, State-wise;
- (b) if so, the details thereof;
- (c) the performance of these roads to the conventional bitumen roads including the arrangement for maintenance of such roads;
- (d) whether the construction of such roads with polymer and bitumen will continue to be taken up;
- (e) if so, the details thereof; and
- (f) the norms / guidelines issued by the Government in this regard ?

Answer

THE MINISTER OF THE STATE IN THE MINISTRY OF SHIPPING, ROAD TRANSPORT AND HIGHWAYS (SHRI K.H. MUNIYAPPA)

(a)&(b) This Ministry is responsible for development and maintenance of National Highways. Polymer and rubber modified bitumen is used in wearing course of pavement at selected locations on National Highways. Construction activities on National Highways have now increased many fold and kilometre wise details of use of modified bitumen in wearing course of the pavement are not compiled in the Ministry.

(c) There has been a mixed response about the performance of modified bitumen from no marked improvement to good vis-à-vis bitumen without modifier.

(d)&(e) Yes Sir. Specific use of polymer and rubber modified bitumen is decided on case to case basis.

(f) Indian Roads Congress (IRC) has published guidelines entitled "Guidelines on use of Polymer and Rubber Modified Bitumen in Road Construction IRC-SP:53-2002" and the same has been accepted by the Ministry for adoption.