

**GOVERNMENT OF INDIA
RAILWAYS
LOK SABHA**

UNSTARRED QUESTION NO:796
ANSWERED ON:04.08.2011
DISRUPTION IN RAIL TRAFFIC DUE TO MONSOON
Thomas Shri P. T.

Will the Minister of RAILWAYS be pleased to state:

- (a) whether the Railways have taken note of the disruption in rail traffic in Konkan rail route during monsoon season;
- (b) if so, the details of measures taken for the safety related works in this regard;
- (c) whether any additional fund has been allocated for this purpose;
- (d) if so, the details thereof;
- (e) whether the Railways have considered any measures which can ensure a permanent solution to the crisis; and
- (f) if so, the details thereof?

Answer

MINISTER OF THE STATE IN THE MINISTRY OF RAILWAYS (SHRI K.H. MUNIYAPPA)

- (a) Yes, Madam.
- (b) to (f) Continuous efforts are being made to identify and regularly inspect the vulnerable spots and take remedial measures to stabilize them. Konkan Railway has used various engineering solutions for improving safety. The list of solutions includes:-
 - (i) Easing of slopes by providing berms and flattening of cutting slopes,
 - (ii) Shotcreting and rock bolting of tunnels and cuttings,
 - (iii) Providing high strength and medium strength steel boulder netting to prevent rock fall,
 - (iv) Providing RCC retaining walls and Gabion walls,
 - (v) Providing micro drains and catch water drain lining, and
 - (vi) Rail catch fencing, sand dampeners, Vetiver plantation etc.

All the above measures are of permanent nature and any one of these measures or combination of them is used after due diligence about the specific requirement depending upon nature of problem at particular location. The total approximate requirement of funds has been assessed at approximately Rs. 400 crore, out of which works of Rs.252 crores have already been completed and the balance works of Rs.148 crores would be undertaken in a phased manner. The expenditure of these safety works is made by Konkan Railway from its own operating surpluses.