

**GOVERNMENT OF INDIA
RAILWAYS
LOK SABHA**

UNSTARRED QUESTION NO:2585
ANSWERED ON:18.12.2003
IMPROVEMENT IN RAIL COACHES
UMMAREDDY VENKATESWARLU

Will the Minister of RAILWAYS be pleased to state:

- (a) whether the Government has asked the Rail India Technical and Economic Services limited (RITES) to suggest ways to improve the external crash worthiness of rail coaches;
- (b) if so, the details of the agreement made in this regard;
- (c) the details of the assignment given to RITES to improve the quality of rail coaches;
- (d) time by which the RITES is likely to respond to this Government order ;
- (e) whether RITES will also make some proto-type coaches and submit them for approval; and
- (f) if so, the details thereof?

Answer

MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI BASANAGOUDA R. PATIL)

(a): Yes, Sir.

(b): M/s Rail India Technical and Economic Services (RITES) have been entrusted the work of redesigning the coach body structure to make it crashworthy in association with Transportation Technology Center Inc. and Applied Research Associates of United States of America . The agreement has been signed on 17.6.2003. The work is to be completed by January, 2005.

(c): The details of the assignment given under the contract are :- Analysis of strength of existing design, carry out crash simulation, develop crashworthy design, carry out crash simulation of new design, develop test rig for testing of the new design, train Indian Railway personnel in theory and concept of crashworthiness, modeling, simulation, testing, instrumentation, data acquisition and analysis and supply of hardware for the same.

(d): RITES shall complete the work within eighteen months from date of signing of agreement i.e. by January, 2005 .

(e) & (f): The design will be given by RITES and the prototype coaches shall be manufactured by Railways.