

**GOVERNMENT OF INDIA  
RAILWAYS  
LOK SABHA**

UNSTARRED QUESTION NO:3939  
ANSWERED ON:13.12.2001  
RAIL FRACTURE DETECTING MACHINE  
A. VENKATESH NAIK;ASHOK NAMDEORAO MOHOL

**Will the Minister of RAILWAYS be pleased to state:**

- (a) whether the railway engineers have successfully developed and tested a low cost, light weight, easy to use rail fracture detecting machine;
- (b) if so, the salient features of this indigenous machine;
- (c) the cost of production for each unit; and
- (d) the time by which this machine would be manufactured for mass use?

**Answer**

MINISTER OF STATE IN THE MINISTRY OF PARLIAMENTARY AFFAIRS AND MINISTER OF STATE IN THE MINIST  
RAILWAYS (SHRI O. RAJAGOPAL)

- (a): A prototype of a device developed on Central Railway is under trials and study.
- (b): The device has a weight of about 14 kg, & works on 6 volts re-chargeable battery. It works on the principle of continuity of electric current. When the machine mounted on a trolley moves across a clear discontinuity/separation in rail/weld, the discontinuity sets off a buzzer alarm.
- (c): Cost of the prototype of the device is approx. Rs. 3500/- (Rupees Three Thousand Five Hundred only).
- (d): The device is still under trail. Only after trials over a period of time further action would be taken depending on results of trials.