

**GOVERNMENT OF INDIA
RAILWAYS
LOK SABHA**

UNSTARRED QUESTION NO:817

ANSWERED ON:22.11.2001

UPGRADATION OF SAFETY STANDARD

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Will the Minister of RAILWAYS be pleased to state:

(a) whether the Government have taken a decision for modernization of signal system and upgradation of safety standard through Special safety Fund;

(b) if so, the details thereof; and

(c) the funds allocated separately for these purposes zone-wise?

Answer

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

(a) Yes, Sir.

(b) Following major modernisation works have been planned and are being progressively implemented:

- ? Colour light signalling in lieu of semaphore signals.
- ? Panel/route relay/ electronic interlocking in replacement of mechanical interlocking
- ? Track circuiting at stations.
- ? Automatic Signalling.
- ? Block proving by axle counters.
- ? Radio based mobile train radio communication system.
- ? Train management system.
- ? Protective devices at level crossings.
- ? Data Logger.
- ? Integrated Power Supply.
- ? Auxiliary warning system

(c) During the current year, an outlay of Rs. 269 Cr. has been allocated for the replacement/modernisation of the signalling system. Zone-wise allocation is:

Central Railway : Rs. 43.71 Cr.
Eastern Railway : Rs. 31.62 Cr.
Northern Railway : Rs. 40.36 Cr.
North Eastern Railway : Rs. 7.21 Cr.
Northeast Frontier Railway : Rs. 14.95 Cr.
Southern Railway : Rs. 28.91 Cr.
South Central Railway : Rs. 20.77 Cr.
South Eastern Railway : Rs. 47.50 Cr.
Western Railway : Rs. 33.97 Cr.

Under a Special Railway Safety Fund,a non-lapsable amount of about Rs. 3600 Cr. is being earmarked for the replacement/modernisation of signalling and safety enhancement works on Indian Railway in the next 5-7 years.