

**GOVERNMENT OF INDIA
RAILWAYS
LOK SABHA**

UNSTARRED QUESTION NO:2028

ANSWERED ON:11.08.2011

ANTI COLLISION DEVICE

Majumdar Shri Prasanta Kumar; Namdhari Shri Inder Singh; Tirkey Shri Manohar

Will the Minister of RAILWAYS be pleased to state:

- (a) whether Anti Collision Device (ACD) to prevent train accidents is indigenously manufactured or being imported;
- (b) the details thereof, indicating the costs thereof;
- (c) whether the Railways have successfully conducted the trial of the said device;
- (d) if so, whether the device would be installed in all the zones of the Railways; and
- (e) if so, the details thereof?

Answer

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

(a): Yes, Madam. Anti Collision Device (ACD) is being manufactured indigenously.

(b): As per pilot project under taken on North-east Frontier Railway (NFR), cost of providing ACD over 1736 Route Kms & 548 locomotives is Rs.94.91 crores.

(c): Deployment of ACD after initial trials was done on NFR. This was a single / double line non electrified Broad Gauge section. Based on the experience of the N.F. Railway, to improve reliability and dependability of ACDs and to test its functioning on multiple lines as well as electrified routes, the specifications and design configuration were revised and the system as evolved was tried on the electrified multiple lines automatic signalling section of the Southern Railway in 2010-2011. Operational and technical problems noticed in Southern Railway trials are being looked into and a new ACD Version- II after successful validation and certification will be deployed on NF Railway.

(d) & (e): The ACD works have been sanctioned on NFR, Eastern, East Central, East Coast, South Eastern, Southern, South Central and South Western Railways covering 8486 Route Kms, to expedite implementation of ACD version II, subsequent to successful validation & certification and deployment of improved ACD version II on NF Railway with acceptable performance as per defined parameters. The system is planned to be progressively provided on other Railways after this.