

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS**

**LOK SABHA
UNSTARRED QUESTION NO.732
TO BE ANSWERED ON 20.12.2017**

SAFETY AT ULCs

732. SHRI BHEEMRAO B. PATIL:

Will the Minister of RAILWAYS be pleased to state:

- (a) whether it is a fact that a system has been devised for the safety at Unmanned Level Crossings (ULCs) and if so, the details thereof; and**
- (b) the time by which the said system will be in operation?**

ANSWER

MINISTER OF STATE IN THE MINISTRY OF RAILWAYS

(SHRI RAJEN GOHAIN)

(a) & (b): Following two trial projects are in progress:

(i) Development and implementation of Satellite based system for warning at unmanned level crossing gates of Indian Railways by Research Designs & Standards Organisation (RDSO)/Ministry of Railways and Space Applications Centre/Indian Space Research Organisation (SAC/ISRO) at 5 Level Crossings is under progress.

(ii) Development and implementation of a "Suitable and Viable Vandal-Proof Advance Warning System" (Radio & Radio Frequency Identification based) to Pre-warn road users against approaching train at unmanned level crossing gate was undertaken by RDSO in association with IIT/Kanpur at one LC gate. Based on the report submitted, RDSO is now conducting extended field trials at 10 unmanned LC gates in association with IIT/Kanpur to check the efficacy of the system.

Based on the trial reports, adoption of the suitable technologies shall be considered.
