GOVERNMENT OF INDIA
RAILWAYS
LOK SABHA

UNSTARRED QUESTION NO:3495
ANSWERED ON:15.12.2014
RAILWAY SAFETY
Patel Shri Devji Mansingram

Will the Minister of RAILWAYS be pleased to state:

(a) whether Railways has taken note of the research project prepared by the Indian Institute of Technology (IIT) for satellite based surveillance of accidental site communications, safety items put on tracks and the monitoring of activities being carried out on all railway crossings of the country;

(b) if so, whether the above said important proposals of IIT are lying pending due to shortage of funds;

(c) if so, the details thereof;

(d) whether any time limit has been fixed to complete these three proposals at the earliest; and

(e) if so, the details thereof and the steps taken by the Railways in this regard?

Answer

MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI MANOJ SINHA)

(a): The Indian Institute of Technology (IIT) has not proposed to Railways any research project on either Satellite surveillance of accident site communications or Safety items on track.

However, IIT-Kanpur has submitted one research proposal to Research Designs and Standards Organisation (RDSO), under Railway Safety for Optic Fiber based track side broadband communication system. The system has capacity to provide Internet Protocol (IP) based surveillance (video images will be transmitted) and Telecommunication from fixed location along the track side, including Level Crossing Gates.

In reference to Satellite based surveillance of accident site communication, Railways is using Very Small Aperture Terminal (V-SAT) based system for surveillance from accident site with help of Indian Space Research Organisation (ISRO).

(b) & (c): Only one proposal received from IIT-Kanpur on track side broadband communication system could not be taken up by Research Designs and Standards Organisation (RDSO) Lucknow for trial due to constraint of funds under "Railway Research" head of RDSO.

(d): Time limit will be fixed after the proposals are taken up for trials.

(e): Does not arise.