

Patent of Anti Collision Device

3146. SHRI R.C. SINGH: Will the Minister of RAILWAYS be pleased to state:

- (a) whether it is a fact that the Anti Collision Device (ACD) developed by Railways has got patent in China, Russia, South Africa and Singapore;
- (b) after getting patent for ACD, how Indian Railways is planning to export the technology to other countries to generate revenue for other projects;
- (c) whether Indian Railways is making any efforts for worldwide patent for ACD; and
- (d) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI E. AHAMMED): (a) to (d) Information is being collected and will be laid on the Table of the Sabha.

Railway lines included in survey for gauge conversion

†3147. SHRI OM PRAKASH MATHUR: Will the Minister of RAILWAYS be pleased to state:

- (a) the total number of proposals of lines that included in this budget by the Railway Ministry for survey works of gauge conversion;
- (b) the details of the time limit set therefor; and
- (c) the norms which would be adopted to accord sanction to gauge conversion work after completion of the survey?

THE MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI E. AHAMMED): (a) Three survey works for gauge conversion have been included in the Railway Budget 2009-10.

- (b) The surveys are proposed to be completed in a period of about one year.
- (c) The norms for taking up gauge conversion projects are as under:—
 - (i) To take up conversion of lines to develop alternative BG routes obviating the need for Doubling of existing BG lines on these routes.
 - (ii) To establish new BG links between existing BG lines on these routes.
 - (iii) To establish BG connection to ports, industrial centers and locations having potential for growth.
 - (iv) To take up conversion of lines required on strategic considerations.
 - (v) To minimize transshipment and to improve wagon turn around by avoiding delays at transshipment points.

Gauge conversion works are also taken up on socio-economic consideration for accelerated development of backward areas.

†Original notice of the question was received in Hindi.