

- (4) Surveillance is kept through CCTV cameras, provided at about 344 stations over Indian Railways, to ensure safety and security of passengers.
- (5) Security Help Line number 182 is made operational over Indian Railways for security related assistance to passengers in distress.
- (6) An Integrated Security System consisting of surveillance of vulnerable stations through Close Circuit Television Camera Network, Access Control etc. has been sanctioned to improve surveillance mechanism over 202 railway stations.
- (7) Sniffer Dog Squads are utilized at some important stations for anti-sabotage checks.
- (8) Drives by Commercial and RPF are conducted from time to time against the entry of unauthorized persons in trains and railway premises.
- (9) Hon'ble Minister of Railways along with Hon'ble Minister of State (Home) held a video conference with the Director Generals/Commissioners of Police of all States/Union Territories recently for improving passenger safety, security of tracks and railway property.

Upgradation of Rolling Stock Technology of Railways

4129. SHRI SAMBHAJI CHHATRAPATI: Will the Minister of RAILWAYS be pleased to state:

(a) whether it is a fact that rolling stock technology of Railways has not kept pace with modern technology, leading to its inability to cope up with the pressure of passenger and goods traffic, if so, the details thereof;

(b) the action plan Government has to phase out the rolling stock technology with the best available technology; and

(c) whether Railways have tied up with any leading rolling stock manufacturer for technology transfer, if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI RAJEN GOHAIN): (a) No, Sir.

(b) The Government has taken several measures in order to induct and proliferate new technology in rolling stock, some of which are listed below:

- It has been decided to proliferate Linke Hofmann Busch (LHB) coaches (for Mainline trains) on Indian Railways. These coaches are lighter in weight and have better passenger amenities, higher carrying capacity, higher speed potential, increased codal life, better maintainability and safety features, as compared to conventional Integral Coach Factory (ICF) type coaches.

- Chittaranjan Locomotive Works (CLW) has completely switched over to the manufacture of new generation, high horse power, energy efficient Insulated Gate Bipolar Transistor (IGBT) based three-phase locomotives from 2016-17.
- Diesel Locomotive Works (DLW)/Varanasi has switched over to the manufacture of high horse power, IGBT based three-phase locomotives for Railways' requirement from 2013-14.
- Switchover to energy efficient 3 Phase Propulsion system in Electric Multiple Units (EMUs) has been effected by ICF/Chennai.
- Diesel Electric Multiple Units (DEMUs) are fitted with 3 Phase Propulsion system by ICF/Chennai, which is more reliable.
- The locomotives that shall be supplied by Madhepura Electric Locomotive Company Limited (MELPL), a Joint Venture company of ALSTOM Manufacturing India Limited and Ministry of Railways, shall have state-of-the-art three phase propulsion system with regeneration capability, higher power output per axle and increased availability and reliability.
- The diesel locomotives that shall be supplied by GE Diesel Locomotive Private Limited (GEDLPL) from Diesel Locomotive Factory, Marhowra, a joint venture of GE Global Sourcing India Pvt. Ltd. and Ministry of Railways, shall have state-of-the-art AC-AC propulsion system with stringent emission standards, higher tractive effort, and increased availability and reliability.

(c) Yes, Sir.

- LHB Technology for coaches (Mainline) was acquired through a Transfer of Technology (ToT) agreement with M/s ALSTOM/ Germany.
- CLW had acquired technology for manufacture of three-phase electric locomotives from M/s ABB/Switzerland.
- DLW has acquired technology for manufacture of high horse power three-phase diesel locomotives from M/s EMD/USA.

Higher Secondary Schools run by Railways

†4130. SHRI MAHENDRA SINGH MAHRA: Will the Minister of RAILWAYS be pleased to state:

(a) the number of higher secondary schools in the country being currently run by Railways along with the locations thereof;

(b) the number of students currently studying in each such school;

(c) the number of local students who are given opportunity to study in these schools and from when this practice is being followed; and

† Original notice of the question was received in Hindi.