GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS

LOK SABHA
STARRED QUESTION NO.150
TO BE ANSWERED ON 26.07.2017

SMART STATIONS

***150. SHRI RAM CHARITRA NISHAD:**
SHRI B. SRIRAMULU:

Will the Minister of RAILWAYS be pleased to state:

(a) whether the Government has joined hands with the National Building Construction Corporation for re-development of 10 railway stations across the country on global standards and if so, the details thereof;

(b) whether the Ministry of Housing and Urban Affairs, which had launched a mega project of developing 100 cities as smart cities, joined the Railways in re-developing stations as smart stations and if so, the details thereof;

(c) whether the Railways has embarked on an ambitious project to re-develop 403 stations with the participation of private players, public sector and foreign agencies and if so, the details thereof;

(d) whether the Government has launched cloud based rail display network across the country and if so, the details thereof; and

(e) whether the Government has invited private companies to become the partner in above project, if so, the detailed terms and conditions thereof and the steps being taken by the Government for use of modern information and communication technologies in Railways?

ANSWER

MINISTER OF RAILWAYS

(SHRI SURESH PRABHAKAR PRABHU)

(a) to (e): A Statement is laid on the Table of the House.

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STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO.150 BY SHRI RAM CHARITRA NISHAD AND SHRI B. SRIRAMULU TO BE ANSWERED IN LOK SABHA ON 26.07.2017 REGARDING SMART STATIONS

(a) & (b): The Government of India has launched schemes of 'SMART Cities' and Atal Mission for Rejuvenation and Urban Transformation (AMRUT) for the redevelopment and rejuvenation of the cities with a population of more than 1 lakh and covering Capitals of all States and Union Territories. With a view to providing the cities covered in these schemes with a redeveloped railway station which is integratedly planned with the surrounding parts of their cities, a Memorandum of Understanding (MoU) has been signed between Ministry of Railways (MOR) and Ministry of Urban Development (MOUD) for mutual cooperation between the two Ministries for integrated planning of redevelopment of railway stations in the cities included in these schemes. This would lead to development of integrated public transit hub around the railway stations and encourage Transit Oriented Development.

Each Smart City has incorporated a Special Purpose Vehicle (SPV) to execute the Smart City Plan. The SPV may form a joint venture company with an MOR-designated entity to implement railway station redevelopment projects in that city and in its suburbs.

Another form of joint venture could be between the MOR designated entity, the Smart City SPV and the National Building Construction Corporation Ltd. (NBCC), a Public Sector Undertaking under MOUD.

Accordingly, an MoU between RLDA and NBCC has been signed on 30.06.2017 for development of following 10 stations under this MoU and the process will be further taken up.

Sr No	Station	Category	Railway	State
1	Tirupati	A1	South Central	Andhra Pradesh
2	Delhi Sarai Rohilla	A	Northern	Delhi
3	Nellore	A	South Central	Andhra Pradesh
4	Madgaon	A	Konkan Railway	Goa
5	Lucknow	A1	Northern	Uttar Pradesh
6	Gomtinagar	F	North Eastern	Uttar Pradesh
7	Kota	A	West Central	Rajasthan
8	Thane New	A	Central	Maharashtra
9	Ernakulum Jn	A	Southern	Kerala
10	Puducherry	E	Southern	Pondicherry (UT)

(c): A redeveloped station is envisioned as an iconic structure with its architecture reflecting the culture and character of the city where it is located and integrates development for a comfortable and efficient passenger experience, security, safety and

accessibility in a harmonious and environmentally sustainable way bringing satisfaction and value to the passenger/user.

Station redevelopment is planned by leveraging commercial development of land & air space in and around the station. The revenues realized from real estate development should be sufficient to at least cover the entire cost of station redevelopment after meeting the full expenditure on real estate development and Maintenance obligations i.e. the station redevelopment would be cost neutral to Railways.

Indian Railways has advertised its plan to offer 'A-1' and 'A' category stations (about 400 in number) on 'as is where is' basis for redevelopment by inviting proposals from interested parties with their designs and business ideas.

A large number of private firms, Foreign Railways and public sector undertakings have shown interest in the station redevelopment program. Based on detailed discussions held with the Zonal Railways, feedback from various stakeholders and the recommendations made by M/s. Boston Consultancy Group (BCG), the Strategic Advisor appointed for the project, the first phase of station redevelopment program for 23 stations, by zonal railways was launched on 08.2.2017. Bids for redevelopment of the 23 railway stations have been invited and first bid for Jammu station was received on 12.07.2017.

Malaysian consortium has also shown interest to participate in the bidding for redevelopment of railway stations on Indian Railways. In recent past, in March/April, June and July 2017, Malaysian delegations led by senior officials including the Minister

of Transport, Minister for Works and the Secretary General/ Ministry of Works/ Malaysia have met with Railway officials at Railway Board for station redevelopment work. During the meeting Construction Industry and Development Board, CIDB Malaysia have indicated its interest and participation for few stations during 1st phase of bidding.

Apart from zonal railways, Indian Railway Stations Development Corporation Ltd. (IRSDC), a dedicated organization set up as a Joint Venture between IRCON International Ltd. – IRCON & Rail Land Development Authority – RLDA for redeveloping stations, have also been entrusted twelve stations for redevelopment.

These stations are: Surat, Habibganj, Gandhinagar(Gujarat), Bijwasan (Delhi), Anand Vihar (Delhi), Shivaji Nagar (Pune), Chandigarh, Amritsar, Gwalior, Gandhinagar (Jaipur), Nagpur and Baiyyappanahalli (Bengaluru).

(d): Rail Cloud has been launched which will help in faster roll out of applications, optimum use of servers and storage, rapid scalability, cost reduction and better user experience.

(e): Following 'Information and Communication technology' initiatives have been implemented on Indian Railway:

Wi-Fi Internet facility at Railway Stations:

Railway has commissioned Wi-Fi Internet facility at 128 stations. It has been planned to provide Wi-Fi Internet facility at all A1, A and B category stations by March 2020.

Video Surveillance System at Stations under Nirbhaya Fund:

Railway has planned to provide CCTV at 983 A1, A, B & C category stations where no CCTV is installed. Technical bids for the same are under finalisation. Financial bids are expected to be opened in 1st week of August 2017.

Mobile Train Radio Communication System:

Railway has planned to cover 19,152 route kilometres by Mobile Train Radio Communication System. Works for 5163 route kilometres are sanctioned, out of which 2111 route kilometres are completed and work is in progress for 3052 route kilometres.

Passenger Reservation System:

The computerized Passenger Reservation System is available at more than 3400 locations with about 10,000 terminals. In order to promote cashless transitions, Point of Sale Terminals have been provided at major locations.

Unreserved Ticketing System:

Computerized Unreserved Ticketing System has been implemented across Indian Railways at more than 5900 locations.

Freight Operations Information System:

Freight operations on Indian Railway are managed through computerized freight operations information system. E-payment facility has been provided to more than 1000 customers.

Integrated Mobile App RAIL SAARTHI:

An integrated Mobile App has been launched which provides ticket booking, enquiry, catering, etc. on a single platform.

Next Generation E-ticketing System (NGeT):

In order to improve user experience while booking Reserved Rail Tickets online on www.irctc.co.in, a new System with enhanced capacity and new features has been launched by Hon'ble MR on 13.08.2014. The system has capacity to book about 15000 tickets per minute. E-ticketing website for reserved tickets now handles about 62% of total reserved tickets. About 6.5 lakh tickets per day are booked through the E-ticketing website.

Mobile Application for train enquiry:

Train running status enquiry is now available through Mobile Applications. Railway Enquiry Application are available on Android, iOS and Windows platforms. The Mobile Application was launched by Hon'ble MR on 13.08.2014. The Android version of the App has been installed by more than 5 million users.

Paperless Unreserved Ticketing through Mobile Phones:

Paperless Unreserved ticketing on mobile phones was launched on 25.12.2014 at Mumbai and has since been expanded to suburban sections of Mumbai, Chennai, Kolkata and Secunderabad and New Delhi-Palwal section of Northern Railway. This has eliminated the need for passengers to stand in queue for getting tickets for journey in unreserved compartments of trains. The ticket is delivered on the Mobile Phone and is embedded with QR Code. This service has added to passenger convenience. About 12,800 tickets are booked per day for about 80,000 passengers.

Currency Coin-cum-Card Operated Automatic Ticket Vending Machines (ATVMs):

Currency Coin-cum-Card Operated ATVMs was launched by Hon'ble MR at New Delhi on 1.9.2015. About 450 such ATVMs are now functional over Indian Railway network. These machines issue unreserved tickets and accept currency as well as Smart Cards for payment. In addition, about 2400 Smart Card based ATVMs have also been commissioned. Ticketing through ATVMs is quick and reduces the time spent by passenger in buying a ticket. About 9 lakhs tickets per day are booked through ATVMs.

Complaint Management System:

An integrated Complaint Portal www.coms.indianrailways.gov.in has been launched by Hon'ble MR on 5.3.2015. This website provides a single point of contact for registering all types of railway related complaints and ensures quick redressal of grievances.

Electronic Transmission of Railway Receipts:

In order to eliminate the need of paper copy of Railway Receipts for freight traffic, Railway Receipts in electric form were introduced in January, 2015 as a Pilot Project. It will help the customers in getting faster delivery of their consignment.

Electronic Registration of Demand for Wagons:

Freight customers can now register their demand for wagons online without having to visit the Goods sheds physically. It has brought transparency in the system and eased the process of booking of goods. The system was introduced in August, 2014.

Automatic Freight Rebate Scheme from empty flow direction:

This scheme was launched in June, 2015. Under this scheme, a concession is offered to customers for loading wagons which are

running in empty flow direction. The rebate is given automatically by system without any need for application. The system is transparent and hassle free.

Electronic allotment for congested terminals:

This system helps in predicting congestion at terminals and determining the acceptability of an outstanding indent to load from a terminal based on waiting time at the destination terminal. It helps in optimum utilization of wagons and avoids delay in releasing of consignment.

Real Time Decision Making in Freight Operations:

PARICHAALAN, a Mobile App has been launched to facilitate decision making by officials regarding freight operations. It provides real time information on the mobile phones based on which decision can be taken regarding movement of freight trains.

Diversion of Power House Coal Rakes:

Operational diversion of power house coal rakes electronically was launched in August, 2014. It helps in faster movement of trains and reducing congestion on tracks by diverting the consignment on operational grounds.

E-Drishti – a Dashboard for Indian Railways:

This Dashboard shows a complete statistical view of all Budget Initiatives and their progress status. The overdue and upcoming milestones can be seen on the Dashboard. The monitoring of various Budget initiatives through this Dashboard is done by Apex level officials.

E-procurement System:

E-procurement system has been implemented for transparency, enhanced efficiency and reduced time in processing of procurement. So far 13.97 lakh tenders have been issued through this system. 61, 613 venders have been registered in E-procurement system.

Integrated Payroll and Accounting System:

Integrated Payroll and Accounting System has been rolled out in all Zones of Indian Railways. The system facilitates better management of funds and compilation of accounts. It has modules for cash and pay, Budget, Pension, PF etc. It has resulted in 99.8% cashless working of Railways.

Material Management Information System:

Integrated Material Management Information System (IMMS) has been implemented over all Zonal Railways. The system is integrated with E-procurement system for direct uploading of tenders from IMMS to E-procurement system and transfer of bid data back to IMMS for online purchase order preparation.

Rail-Road Crossing GAD approval system:

An online system for approvals of Road over bridges and Road under bridges has been implemented. Ministry of Road Transport and Highways or PWD officials shall fill up details of ROB/RUB proposed to be constructed on this web based programme for expeditious approval of General Arrangement Drawing (GAD) by Railways.

Parcel Management System:

Computerized Parcel Management System has been implemented at 87 locations over various Zonal Railways. The system provides for booking, loading, unloading and delivery of packages through the computerized system. Barcoding of packages, Electronic Weighing Machines and Hand Held Terminals are used in the Computerized Parcel Management System. It has facilitated efficient and transparent functioning of Parcel Segment. About 3 lakhs Parcel Way Bills are generated in a month through the system.

Crew Management System:

Computerized system of Crew Management has been implemented at 617 lobbies. The system provides for Maintenance of Bio data of Crew, Trainings, Safety Record, Booking of Crew, Serving of Calls etc. Integrated Biometric Authentication of Crew and Integration of Breath Analyzer has also been introduced in some locations. This has helped in having paperless lobbies and optimizing utilization of Crew. About 60,000 calls are served per month through the system.

Track Management System:

Track Management System has been implemented with the objective of maximizing the benefits from inputs viz. material, man power and equipment invested in the track and to optimize the utilization of assets without affecting the safety and passenger comfort. Track Management System has data about condition of track, maintenance of track from time to time, inspection conducted, track renewal, deep screening, rail fractures etc.

Dynamic Pricing in PRS :

Dynamic Pricing has been introduced in reserved segments of some trains.

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