

Detailed Project status updated as on 16.01.2018

	Project	Status and Achievements during the month																		
1.	Passenger Reservation System	<p>During the month of December, 2017, total of 5.75 crore passengers were booked from 10,176 PRS Terminals (excluding virtual terminals assigned to IRCTC) at 3,447 locations resulting in total earnings of ₹3457.16 crore.</p> <p>In the corresponding period of December, 2016, total of 5.32 crore passengers were booked from 10,081 PRS Terminals (excluding virtual terminals assigned to IRCTC) at 3,425 locations resulting in total earnings of ₹3206.69 crore.</p>																		
2.	Enhanced E-Ticketing / NGeT System for Indian Railways	<p>Ticket Booking Statistics:</p> <table border="1" data-bbox="579 595 1382 835"> <tr> <td>Maximum booking per day</td> <td>14/12/17</td> <td>7,37,440</td> </tr> <tr> <td>Maximum booking during 08-09 hrs</td> <td>14/12/17</td> <td>30,556</td> </tr> <tr> <td>Maximum booking during 10-11 hrs</td> <td>21/12/17</td> <td>1,57,716</td> </tr> <tr> <td>Maximum booking during 11-12 hrs</td> <td>04/12/17</td> <td>56,858</td> </tr> <tr> <td>Maximum booking per minute</td> <td>16/12/17</td> <td>17,053</td> </tr> <tr> <td>Maximum booking per second</td> <td>22/12/17</td> <td>502</td> </tr> </table>	Maximum booking per day	14/12/17	7,37,440	Maximum booking during 08-09 hrs	14/12/17	30,556	Maximum booking during 10-11 hrs	21/12/17	1,57,716	Maximum booking during 11-12 hrs	04/12/17	56,858	Maximum booking per minute	16/12/17	17,053	Maximum booking per second	22/12/17	502
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3.	Unreserved Ticketing System (UTS)	<p>UTS is functioning at a total of 5965 locations on Indian Railways.</p> <table border="1" data-bbox="579 925 1382 1133"> <thead> <tr> <th></th> <th>Dec 2017</th> <th>Dec 2016</th> <th>Increase / decrease</th> </tr> </thead> <tbody> <tr> <td>Passengers served</td> <td>61.64 crore</td> <td>59.01 crore</td> <td>4.45%</td> </tr> <tr> <td>Earning</td> <td>Rs. 1611.09 crore</td> <td>Rs. 1545.84 crore</td> <td>4.22%</td> </tr> </tbody> </table> <p>On an average, UTS served 1.99 crore passengers and earned ₹51.97 crore each day in December 2017.</p>		Dec 2017	Dec 2016	Increase / decrease	Passengers served	61.64 crore	59.01 crore	4.45%	Earning	Rs. 1611.09 crore	Rs. 1545.84 crore	4.22%						
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4.	Freight Operations Information System (FOIS)	<p>The E-payment facility has been provided to a total of 1063 customers.</p> <p>E-Payment facility for 08 new customers was commissioned during this month. In addition, facility of 42 existing customers was also extended after expiry of LC / BG.</p> <p>A total of ₹8543.5 crore (₹275.6 crore per day) of freight payment was done through e-payment during December 2017 which is 82.39% of the total freight revenue in the month.</p>																		
5.	Retiring Room booking	<p>Retiring room application is now running at 498 locations (497 of these also provide booking over internet).</p> <table border="1" data-bbox="579 1671 1402 1872"> <thead> <tr> <th></th> <th>Rooms Booked</th> <th>Net Earnings</th> </tr> </thead> <tbody> <tr> <td>Booked on Terminals</td> <td>38,066</td> <td>₹ 1,08,62,500/-</td> </tr> <tr> <td>Booked on Internet</td> <td>22,683</td> <td>₹ 1,02,83,852/-</td> </tr> </tbody> </table>		Rooms Booked	Net Earnings	Booked on Terminals	38,066	₹ 1,08,62,500/-	Booked on Internet	22,683	₹ 1,02,83,852/-									
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6.	Handheld Terminals (HHTs) for TTEs	<p>Pilot project has been implemented in selected trains.</p> <p>Hardware of Central Architecture has been procured from NICSI and has been installed.</p> <p>P.O. No.01175065150181 Dated 21/09/17 for replacement of S/W of central system has been issued to SISL.</p> <p>S/W installation is being done.</p>																		

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7.	PRS Data Warehouse Upgradation	PRS Data Warehouse holds data from 2004 onwards; 163 reports have been posted on the PRS Data Warehouse website (www.dw.indianrail.gov.in), and ad-hoc reports are prepared as and when required.
8.	WAP & SMS Gateway for PRS and NTES Website	The Pre-Chart SMS alerts are being sent once a day, beginning from 5 days before the journey date. Alerts are also sent post charting (which is done approx. 3 - 4 hours before train departure). On an average approximately 1.5 lakh SMS alerts are being sent on daily basis.
9.	Crew Management System (CMS)	CMS Lobbies Phase I commissioned - 389, Phase II Commissioned – 216 Biodata -1,14,845. Call Served – 63,309
10.	Software for Electric Locomotive Asset Management (SLAM)	SLAM roll out completed in Four Electric Loco Shed i.e. BRC, AQ, BL & NKJ along with associated TLC's and Trip Sheds. Locomotive Asset Management System (LAMS, [SLAM+LMS]) DE Sanctioned. <ul style="list-style-type: none"> • HW/AMC Tender opened on 30.11.2017. Under Technical committee. • Released SLAM application version 1.89. • Extension of 4 shed PO for inclusion of CNB under processed. • CRIS team along with Microsoft team visited GZB shed on dt 05.12.2017 for new work of predictive analysis on loco failure. • Railway board module of SLAM Roll Out is under development.
11.	Time Table Management System (Satsang)	Version 5.0 has been released and training has been imparted to all Zonal/Divisional Controller at concerned Regional Offices.
12.	Control Office Application (COA)	Application is running in all 77 division / area Control Offices. Rs. 21.85 crore funds have been released against O&M for the year 2015-16.
13.	Integrated Coaching Management System (ICMS)	ICMS has been upgraded and is now running on the latest hardware platform. Integration with SATSaNG has been facilitated to capture master data i.e. train profile and route of new trains from SATSaNG to ICMS.
14.	National Train Enquiry System (NTES)	WebNTES has been migrated to new hardware and is running at enquiry.indianrail.gov.in . Map features have been provided in the WebNTES. A popular Mobile app is available for NTES as well.

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15.	E-procurement System	<p>33,943 tenders were issued through the system and 686 vendors have been registered in the system in Dec. 2017. 48 new bidders for have been registered for e-auction.</p> <p>So far 16.43 lakh tenders have been issued through the system. 6323 vendors have been registered upto Dec. 2017. Value of Scrap Sale through IREPS is ₹12,210.77 cr. so far since project started.</p> <p>EPS is being migrated from obsolete Broadvision platform to current platforms. NIT and Bidding module has already been switched to the new platform. Publication of all IMMS tenders is through new redesigned IREPS.</p>				
16.	Material Management Information System (MMIS)	<p>HQ Purchase Module & Depot Module have been rolled out in all Zonal Railways of IR.</p> <p>IMMS is integrated with IREPS for direct uploading of tenders from IMMS to IREPS and transfer of Bid data back to IMMS for online purchase order preparation. Purchase order prepared in IMMS is delivered to vendors online.</p> <p>IMMS is integrated with IPAS for providing purchase order and material receipt / acceptance data for online vendor payment process in IPAS.</p> <p>Digitization of Stores Depot activities is under progress.</p>				
17.	Workshop Management System Phase 2 (WISE-II)	<p>Application is running in 5 Workshops: Lower Parel, Charbagh, Raipur, Lalaguda and Liluah.</p> <p>As per Board's instructions, two more workshops have been taken up for implementation.</p>				
18.	Locomotive Management System (LMS)	<p>The system is running as Pilot in the 3 diesel sheds TKD, LDH, and Alambagh, and in DLI, FZR and LKO divisions. Further rollout is in progress.</p> <p>NR has been instructed by Board to keep the pilot applications running in the sheds.</p>				
19.	Freight Maintenance Module (FMM)	<p>Pilot application is running in TKD, DDL (Ludhiana) and Dadri. Pilot Systems are being improved through in-house development. Rollout is in progress.</p>				
20.	Health Management Information System (HMIS)	<p>New work of Hospital Information Management System has been sanctioned in 2015-16. Scoping of the work is being undertaken in consultation with Board and Northern Railway.</p>				
21.	Parcel Management System	Period	PWB / LT	Increase/ Decrease (%age)	Revenue (₹ cr)	Increase (%age)
		Dec 2017	310539	Increase by 7.93%	47.68	Increase by 18.53%
		Dec 2016	287715		40.22	
		87 Locations in NDLS-HWH, NDLS-MAS and HWH-MAS sections are functioning.				

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22.	Track Management System (TMS)	<p>TMS has been successfully implemented on entire Indian Railway since January 2016. Stores module has been implemented in 10 zonal Railways. It has been planned to implement stores module in the current calendar year. In order to cope up additional load of civil engineering applications the first revision of estimate was sanctioned by Northern Railway in January 2017. The Tender for upgrading of infrastructure for Track Management System (TMS) along with Bridge Management System (BMS) was finalized, PO was placed in June 2017 and the new infrastructure has been commissioned.</p>
23.	Works Program Management System (WPMS)	<p>Works program processing and sanctioning application has been implemented on PAN India basis and is running successfully since Mar'2012.</p> <ul style="list-style-type: none"> ➤ More than 30,000 New Proposals are processed online every year through IRPSM. ➤ Monitoring of progress for about 40,000 Sanctioned Work's is done on monthly basis through IRPSM. ➤ Works Program 2018-19 completed successfully. ➤ Integration with IPAS application is in-progress for financial expenditure detail. <p>Note: PAMS (Passenger Amenities Management System) has been developed as part of IRPSM Phase-I and running successfully on PAN India basis.</p> <p>IRPSM Phase-2 Supplementary MOU entered with RB.</p>
24.	Railway Land Management System	<p>Detailed Estimate of Railway Land Management System has been sanctioned on 31.08.2017 as communicated by NR.</p> <p>Land Data is being obtained from Zonal Railways and is being stored in one of the data table of Track Management System.</p> <p>MOU is under preparation. Work will be initiated on receipt of funds and signing of MOU.</p>

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25.	RPF Security Management System (RSMS)	<p>Pilot Project has been successfully implemented at the designated 187 locations of WR and CR. Currently pilot project is under O&M since April 2014.</p> <p>MOU for All India Roll out of RSMS signed in Dec 2015.</p> <p>Work Done in All India Roll Out of RMS</p> <ul style="list-style-type: none"> ➤ SAN Augmentation completed capacity enhanced from 2 TB to 10 TB ➤ PO for 865 nos of TSS, printers given in June 2017. Supply completed at most locations . ➤ Software Enhancements <ul style="list-style-type: none"> ❖ Dashboard module provided in July 2017 ❖ Facility of sending SMS for important RSMS Messages (CRIME, EMERGENCY SR and SOR messages) has been introduced in May 2017 ❖ Provision of working in Hindi provided for all the modules ❖ Audio Video CD provided for all modules for training purpose ❖ In house developed Offline Prototype for Railway Act Register implemented in April 17 ❖ Training for all India Roll Out provided to 6 zones ❖ User ids have been created till post level for NR,ER, NWR,WCR, SR, SCR, SWR and NCR <p><u>Revenue Estimate</u></p> <ul style="list-style-type: none"> ➤ MOU for 2014-15 signed on 20.07.2015 for 87.88 lakh (CRIS portion). ➤ MOU for 2015-16 signed on 07.07.2017 for 1.03 Cr. ➤ Detailed estimate for 2016-17 sent on 28.06.2016 for 1.63 Cr ➤ 3 year MOU sent to DIG(Projects) ➤ RE for 2017-18 sent to CSC , NR with a total cost implication of Rs. Rs.207.88 lakhs (Base Amount – Rs 176.17 lacs + GST component – Rs 31.71 lacs). The estimates have already vetted by CRIS finance. ➤ Bill for 1.22 Cr for RE for RSMS of 2015-16 sent to DIG(Projects)
26.	Case Monitoring System for OSD/PRI, Rly Bd	<p>Designed, developed and implemented for effective monitoring and quick disposal of VIP references including CA-III.</p> <p>Implemented in April 2012. Since then it is under O&M support. 75% payment has only been received from Railway Board. Balance payment bill has been raised and sent to Railway Board in 2016 but payment is still awaited.</p>
27.	Call & Appointment Management System (CAMS) for MR	<p>Designed, developed and implemented for managing Appointments, invitations and calls received in the office of Hon'ble MR and action taken on the matters.</p> <p>The application is in LIVE mode since Jan 2015. The initial scope of work has been completed.</p> <p>Hand holding support being provided to the end users. As suggested by MR Cell officials, enhancements are being done in the application from time to time.</p> <p>Work sanctioned in WP 2016-17. Detailed Estimate sent to Railway Board for sanction in Oct 2016. Off late the executing agency for the work has been changed from DME/C&IS RB to DGM(G)/NR who will now be responsible for obtaining sanction of detailed estimate from NR. DE will be sent shortly to DGM(G)/NR.</p>

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28.	e-Drishti – A Dashboard for Indian Railways	Designed, developed and implemented as a DSS Dashboard for better monitoring and decision making by the top management of Indian Railways. The application is in LIVE mode since April 2016. The initial scope of work has been completed. Hand holding support being provided to the end users. As suggested by MR, PS/MR, OSD/MR and other Railway Board officials, enhancements are being done in the application from time to time.
29.	SECROADS – E Working AMC	<ul style="list-style-type: none"> ➤ The application is under remote support through resource posted at CRIS HQ office since April 2014. The current AMC is till 7th Dec 2017 after 2 month extension. ➤ Proposal for AMC of SECROADS through remote support for 2017-18 has been sent to SECR ➤ LOA has been received for the next AMC.
30.	TDMS – Traction Distribution Management System (Pilot project)	The work was sanctioned by Railway Board through MRVC. TDMS pilot is under development.
31.	EEMS – Electrical Energy Management System - Improving Energy Efficiency over Indian Railways System	“Rail Saver” Website is available at https://www.railsaver.gov.in . Equipment for “Pilot demonstration of Energy Efficient Technology on IT platform through 500 AMR Meters” has been installed and commissioned and handed over to user. IT Hardware has been commissioned. Major software modules have been developed and put in use. Users have been trained. Enhancement of software is in progress.
32.	(i) Integrated ICT System project at Rail Wheel Plant at Bela ii) ERP Project DLW Varanasi iii) Integrated ICT System project at Modern Coach Factory at Rae Bareilly	Tender for a comprehensive information system for all three PUs has been discharged. Further course of action is being decided. Network has been provided at RWP/Bela and MCF/RBL, Datacenter has also been provided at RBL.
33.	Disaster Recovery System for PRS	Data replication is continuing from all PRS centres to PRS DR centre at Secunderabad. New storage devices (HP-3PAR) have been installed in primary and DR locations. Secondary network for use in case of a major disaster has been tested and test tickets have been printed. A DR drill has been planned with the new storage devices in the next month
34.	Automatic Identification of Rolling Stock using RFID	Technology enhanced to global standards, MOU signed with GS1 India (Ministry of Commerce) for application of standards. RFID tags to latest specifications have been included as standard equipment in all newly manufactured wagons. The tags have been fitted in over 100 wagons till date. Trials are being conducted on Gatimaan coaches also.

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35.	GIS Map & Geospatial Database for Indian Railway assets	<ul style="list-style-type: none"> ❖ MoU signed between CRIS and Northern Railway in Oct 2016 and the funds were released in March 2017. ❖ Work Done in GIS Project <ul style="list-style-type: none"> ➤ Tender for procurement of hardware infrastructures and its associated software has been finalized. LOA issued to vendor. ➤ Tender for Handheld GPS device for survey and ArcGIS Software is prepared and tenders are currently under administrative approval and finance vetting. ➤ The domain name irgeoportal.gov.in was registered and activated in July 2017. The portal contents were updated as per inputs /suggestions received from ED (TKP) RB and CE (TMS), NR. ➤ A prototype application for Delhi Division Data (provided by NR) has been developed using open source software. ➤ For Station Navigation Information System (SNIS), POI and 360 Degree survey of New Delhi Railway and Varanasi has been done. ➤ A prototype application for SNIS for new Delhi Railway station is developed using open source software; and SNIS application for Varanasi is currently under development.
36.	Implementation of Network Security Infrastructure at 5 PRS / UTS datacentres and RIDC at CRIS	<ul style="list-style-type: none"> • All Network security sub-systems (except NAFTA) have been installed in the Central DC i.e. RIDC and PRS/UTS DCs at New Delhi, Chennai, Kolkata, Mumbai-CSTM. • Installation in CCG DC at Mumbai will be done once space and electrical power supply is made available by W.Rly.
37.	Signaling maintenance management system (SMMS)	<ul style="list-style-type: none"> ➤ Tender for infrastructure has been finalised. Advance acceptance issued on 14.09.2017. ➤ Bill for 50% payment as per payment terms of MOU has been raised with NR on 20.09.2017. ➤ Tender for netbooks / tablets is under finalisation. ➤ Maintenance formats for all electrically operated gears based on formats provided by NR have been developed. The same are being reviewed by other Railways viz. ER , SCR and WCR as the project is to be implemented on Sealdah, Hyderabad and Kota divisions also along with Moradabad and Ambala divisions. ➤ Maintenance module for four items is targeted for rollout by 31.10.2017.

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38.	Real-time Train Information System (RTIS)	<ul style="list-style-type: none"> The project for implementation of Real-time Train Information System (RTIS) has been transferred by Railway Board from Plan Head-33 to Plan-Head 17 in July, 2016 with CAO/FOIS as the nodal officer. MoU has been signed between CRIS and Space Applications Center (SAC), ISRO for this project in Dec, 2016. MoU also signed with CAO/FOIS on 14th March, 2017. Trials on NDLS-GHY & NDLS-BCT Rajdhani trains using S/C transponders on GSAT-6 satellite have been done and were successful. Trial report submitted to Rly Board after concurrence by SAC/ISRO. Roll out of Phase-1 as approved by Rly Board to done now. Revised DE for RTIS phase-1 roll out has been approved by MD. Tender for the same has been finalized and processed for approval. It is planned to be floated by 10 Jan 2018.
39.	Upgradation of Network Management System (NMS) for UTN and FOISnet.	<ul style="list-style-type: none"> Central NMS Hardware & Software has been installed. Installation & fine tuning of Fault Mgmt module (Network as well as Servers), Traffic Analysis module, Network Configuration Mgmt, Business Service Dashboards & event correlation modules have been completed. Fine-tuning of performance mgmt module is in progress-About 95% work completed. Delivery & installation of monitoring consoles/PCs & Printers at Zonal/Divisional Hqs has been completed in all Zonal Railways except WR, CR & NR. Trainings on operations of NMS (fault & performance management) for railways have been completed at 11 Zonal Railways (NFR, ECoR, SCR, SR, SWR, SECR, NCR, NER, ER, SER & WCR). Trainings in remaining Zonal Railways are scheduled in Jan-Feb'2018.
40.	Integrated Payroll and Accounting System (IPAS) and Web-enabled Railway Budget System	<p>Key modules of IPAS have been rolled out in all Zones of Indian Railways. Other modules are under implementation.</p> <p>Web-enabled Railway Budget System has been implemented.</p>
41.	IR-Master Data Management Project	<p>The project Phase - 1 has been sanctioned @ ₹ 41.95 crore, with current year outlay of ₹ 14 Cr.</p> <p>DE had been sent to Nodal Officer /NR (CPM /AR) on 19/07/2017. Since 24/09/2017, RB has shifted Nodal Officer to CAO /FOIS /NR, and CRIS has again sent the DE to CAO office on 26/09/2017.</p>
42.	Enterprise Service Bus project (ESB)	Tender specifications are under preparation.
43.	Data Analytics Unit	DAU is confined to PRS/UTS for which DE has been sanctioned by MD/CRIS. MoU with NR is under progress.