Government of India
Ministry of Railways
(Railway Board)

No. 2016/C&IS/WP 2016-17/LAW Book/5 **New Delhi, Dated: : 21.06.2016**

The General Managers,
All Indian Railways, D.L.W., D.M.W, I.C.F., Metro Railway.

Subject : Distribution of outlays among works of LAW Book for Budget 2016-17 under Plan Head – 17 (Computerization).

A list of works costing below Rs. 250.00 lakh each under the Plan Head – 17 (Computerization) is sent herewith, giving outlays for each of the works. The list contains both the "Works in Progress(WIP)" and "New Works(NW)" approved for inclusion in the Annual Plan 2016-17.

In terms of Para 3 of Board's letter No. 2001/C&IS/Com/Policy, dated 07.12.2001, the systems, not covered under the aforesaid letter irrespective of their anticipated cost, shall require specific sanction of Railway Board. However, GMs can sanction individual works under revenue, as per the delegation of powers for information technology, subject to availability of funds.

Works of replacement of equipment costing below Rs. 50.00 lakh have been omitted from the list of works in progress and the provisions for each individual Railways have been made under DRF for incurring expenditure, if any, in respect of the ongoing works of replacement in terms of Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.

Khondia
Director/Finance(Budget)

Copy to :

1. The Chief Commercial Managers, All Indian Railways.
2. The Chief engineers/P&D, All Indian Railways.
3. The Financial Advisor and the Chief Accounts Officers, All Indian Railways.
4. The Director, Finance(CCA), Railway Board.
5. DF(B), Railway Board.
6. Budget Branch, Railway Board.

Works approved for inclusion in List of Approved Works, 2016-17					
Central Railway					(Rs in lakhs)
SN	Year of Sanction	Description	Allocation	Anticipated Cost	Outlay
		New Works			
1	2016-17	NGP(GS) – Replacement of old UPS provided at various locations on Nagpur Division on age cum condition basis	DRF	83.72	25.00
2	2016-17	Replacement of PRS 513 Nos. Dumb Terminals with Key Boards	DRF	116.00	25.00
3	2016-17	Replacement of 643 Nos. UTs Ticket Printers	DRF	155.00	25.00
	NW	**Total for Works Costing Less than 250 Lakhs (DRF)**	**DRF**	**354.72**	**75.00**
		Works-in-Progress			
1	2007-08	Provision of 74 Thermal printers at 23 season ticketing location to be provided with UTS facility	DF-1	24.00	1.00
2	2007-08	Procurement of Line Matrix Printers on additional account for charting/reports at 12 PRS locations	DF-1	14.00	1.00
	WIP	**Total for Works Costing Less than 250 Lakhs (DF1)**	**DF1**	**38.00**	**2.00**
1	2004-05	Central Railway - Extension of RDBMS Phase-II	DF3	191.16	1.00
	WIP	**Total for Works Costing Less than 250 Lakhs (DF3)**	**DF3**	**191.16**	**1.00**
1	2015-16	Replacement of existing 2x115 TR chilled water AC Plants by 2x120 TR chilled type AC at CPRS, CSTM	DRF	95.00	70.00
2	2015-16	Replacement of existing 04 Nos. Air Handling Unit alongwith wall insulation of AHUs room with main doors at CPRS CSTM	DRF	79.00	40.00
3	2015-16	Replacement of Datacom and Networking equipment purchased under Phase 1 and 2 UTN for Central Railway	DRF	224.00	100.00
1	2014-15	Central Railway - Replacement of UTS 185 Nos. Terminal Servers	DRF	56.00	20.00
2	2014-15	Central Railway - Replacement of 427 Nos. UTS Ticket Printers	DRF	81.00	1.00
3	2014-15	Central Railway - Replacement of UTS 580 Nos. Dumb Terminals with key boards	DRF	85.00	5.00
4	2014-15	Central Railway - Replacement of CMS equipment	DRF	95.00	20.00
5	2013-14	Replacement of UTS 609 Nos. Thin Clients	DRF	161.34	25.00
6	2013-14	Replacement of UTS 356 Thin Clients	DRF	94.31	15.00
7	2013-14	Replacement of 474 Nos. UTS DoT Matrix Ticket Printers	DRF	81.07	1.00
8	2012-13	Replacement of 1x625 KVA/500 KW Diesel Generating set complete with standard accessories for stand by power supply arrangement to CPRS,CSTM	DRF	48.39	2.00
9	2011-12	Replacement of 4x55 KVA UPS by 4x60 KVA UPS at CPRS CSTM.	DRF	151.55	1.00
	WIP	**Total for Works Costing Less than 250 Lakhs (DRF)**	**DRF**	**1251.66**	**300.00**
	Summary				
	NW	**Total for Works Costing Less than 250 Lakhs (DRF)**	**DRF**	**354.72**	**75.00**
	WIP	**Total for Works Costing Less than 250 Lakhs (DF1)**	**DF1**	**38.00**	**2.00**
	WIP	**Total for Works Costing Less than 250 Lakhs (DF3)**	**DF3**	**191.16**	**1.00**
	WIP	**Total for Works Costing Less than 250 Lakhs (DRF)**	**DRF**	**1251.66**	**300.00**
	Note : The balance amount of Rs. 50.00 Lakh under the Works in Progress under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				
	Note : The balance amount of Rs. 25.00 Lakh under the New Works under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				

Works approved for inclusion in List of Approved Works, 2016-17					
Eastern Railway					(Rs in lakhs)
SN	Year of Sanction	Description	Allocation	Anticipated Cost	Outlay
		New Works			
1	2016-17	Replacement of Terminal with Keyboard - 519 Nos.	DRF	106.00	4.00
2	2016-17	Replacement of UTS Ticket Printers - 600 Nos.	DRF	63.00	45.00
	NW	**Total for Works Costing Less than 250 lakhs (DRF)**	**DRF**	**169.00**	**49.00**
		Works-in-Progress			
1	2014-15	Provision of Surveillance System at PRS Centre of ER – 2nd Floor of NKG building	DF-1	22.92	21.92
2	2014-15	Upgradation of office equipment of PRS communication control room HWH, SDAH, ASN and MLDT divisional network hubs and other hub centres	DF-1	5.18	4.68
3	2013-14	Procurement of Active and Passive Equipment for strengthening Data Channel connectivity through Railway OFC at 29 UTS locations in Howrah Division	DF-1	160.34	75.90
4	2010-11	Provision of thin clients for UTS at Howrah, Sealdah, Kolkata and 50 other locations (A, B and C category stations)	DF-1	58.72	16.00
5	2008-09	Upgradation of existing LAN at PRS/Kolkata	DF-1	21.18	20.00
	WIP	**Total for Works Costing Less than 250 lakhs (DF1)**	**DF-1**	**268.34**	**138.50**
1	2012-13	Up-gradation of existing system with procurement of one server (Unix Based) compatible with MF COBOL	DF-3	77.42	0.10
2	2011-12	Balancing Facilities of IT infrastructure including hardware, software and networking to cover entire Workshop for "ONLINE" implementation of Payroll and other modules running at IT Centre, Kanchrapara	DF(3)	93.40	47.00
3	2011-12	MMIS Phase-II	DF(3)	168.00	70.90
4	2009-10	Malda Division - Computerization of Engineering Drawing office at Malda	DF-3	34.43	18.00
5	2009-10	Kanchrapara - Setting up of Auto-CAD works station at Kanchrapara Electrical Drawing Office	DF-3	40.52	11.00
6	2003-04	Provision of computer in CE's Office	DF-3	20.00	0.50
7	2004-05	Provision of additional Server, upgradation of existing server of railnet and additional 50 connection	DF-3	20.00	0.50
	WIP	**Total for Works Costing Less than 250 lakhs (DF3)**	**DF-3**	**453.77**	**148.00**
1	2015-16	Replacement of 2 Nos. 110 KVA UPS installed at NKG Computer Complex at Data Centre	DRF	125.00	9.00
2	2015-16	Replacement of 1256 Nos. (628 pairs) Datacom Equipment (High Speed MODEMS, 2 MBPS)	DRF	72.53	6.00
3	2015-16	Replacement of 246 Nos. Terminal Servers	DRF	87.56	80.00
4	2010-11	Supply, installation, testing and commissioning of 2x110 kva UPS (3-Phase) with accessories for PRS/UTS centres at Kolkata	DRF	53.96	40.00
	WIP	**Total for Works Costing Less than 250 lakhs (DRF)**	**DRF**	**339.05**	**135.00**
	Summary				
	NW	**Total for Works Costing Less than 250 lakhs (DRF)**	**DRF**	**169.00**	**49.00**
	WIP	**Total for Works Costing Less than 250 lakhs (DF1)**	**DF-1**	**268.34**	**138.50**
	WIP	**Total for Works Costing Less than 250 lakhs (DF3)**	**DF-3**	**453.77**	**148.00**
	WIP	**Total for Works Costing Less than 250 lakhs (DRF)**	**DRF**	**339.05**	**135.00**

Note : The balance amount of Rs.215.00 Lakh under the Works in Progress under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.

Note : The balance amount of Rs.51.00 Lakh under the New Works under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.

Note : The balance amount of Rs. 22.00 lakh under the Works in Progress under DF-3 may be kept as "Lumpsum" under the PH-17(Computerization).

Note : The balance amount of Rs. 1.50 lakh under the Works in Progress under DF-1 may be kept as "Lumpsum" under the PH-17(Computerization).

Works approved for inclusion in List of Approved Works, 2016-17					
East Central Railway				(Rs. in Lakh)	
SN	*Year of Sanction*	*Description*	*Allocation*	*Anticipated Cost*	*Outlay*
		Works-in-Progress			
1	2009-10	Current reservation at PNBE, RJPB, DNR, MFP, HJP, BJU, DBG, SPJ, RXL, MGS, GYA & DHN	DF-1	15.03	11.00
2	2009-10	Supply of dumb terminal with keyboard and ticket printers of PRS and UTS for additional counters	DF-1	35.41	0.50
3	2006-07	ECR-Unification of passenger reservation system & unreserved ticketing system & creation of zonal network hubs	DF1	214.46	0.50
4	2007-08	Passenger Operated Enquiry Terminal at 11 PRS location	DF-1	4.00	0.50
5	2007-08	Supply, installation and commissioning of Air conditioning machine at UTS locations commissioned earlier	DF-1	8.00	0.50
	WIP	**Total for Works Costing Less Than 250 lakhs (DF1)**	**DF1**	**276.90**	**13.00**
1	2008-09	Lump-sum Replacement of Terminal Servers, Report Printers, Dumb Terminals, Thin Clients and Ticket Printers of PRS and UTS over ECR	DRF	57.57	50.00
	WIP	**Total for Works Costing Less Than 250 lakhs (DRF)**	**DRF**	**57.57**	**50.00**
	Summary				
	WIP	**Total for Works Costing Less Than 250 lakhs (DF1)**	**DF1**	**276.90**	**13.00**
	WIP	**Total for Works Costing Less Than 250 lakhs (DRF)**	**DRF**	**57.57**	**50.00**
	Note : The amount of Rs. 150.00 lakh under the New Works under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				
	Note : The balance amount of Rs. 150.00 lakh under the Works in Progress under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				

Works approved for inclusion in List of Approved Works, 2016-17					
East Coast Railway					*(Rs in lakhs)*
SN	***Year of Sanction***	***Description***	***Allocation***	***Anticipated Cost***	***Outlay***
		Works-in-Progress			
1	2006-07	ECoR-Unification of passenger reservation system and unreservfed ticketing system and creation of zonal network hubs	DF1	153.47	1.85
2	2006-07	PRS Unit including database cell at Zonal head quarter at BBS	DF-1	8.00	0.12
3	2005-06	PRS at Bhawani Patna (DHQ NRH)	DF-1	7.00	0.01
4	2005-06	PRS at Sonapur (DHQ NRH)	DF-1	7.00	0.01
5	2005-06	PRS at Nawpada Road (DHQ RH)	DF-1	7.00	0.01
	WIP	**Total for Works Costing Less Than 250 lakhs (DF1)**	**DF1**	**182.47**	**2.00**
	Summary				
	WIP	**Total for Works Costing Less Than 250 lakhs (DF1)**	**DF1**	**182.47**	**2.00**
	Note : The amount of Rs. 249.98 lakh under the New Works under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				
	Note : The amount of Rs. 200.02 Lakh under the Works in Progress under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				

Works approved for inclusion in List of Approved Works, 2016-17					
Northern Railway					(Rs in lakhs)
SN	Year of Sanction	Description	Allocation	Anticipated Cost	Outlay
		New Works			
1	2016-17	Design Development and Implementation of CRS Sanction	DF-3	216.00	2.00
2	2016-17	Integration of COMS, IVRS, 138, Catering and Security – Social Media	DF-3	244.70	73.84
3	2016-17	Implementation of IPAS in Pay and Accounts Office Railway Board	DF-3	36.77	4.00
4	2016-17	Implementation of Call and Appointment Management Software (CAMS) for MR	DF-3	94.39	10.00
5	2016-17	Rolling out of Software for Engineering Services Examination - Allocation and online medical reporting of candidates	DF-3	51.86	10.00
	NW	**Total for Works Costing Less Than 250 lakhs(DF3)**	**DF-3**	**643.72**	**99.84**
1	2016-17	Replacement of 827 UTS ticket printers over Northern Railway	DRF	70.00	30.00
	NW	**Total for Works Costing Less Than 250 lakhs(DRF)**	**DRF**	**70.00**	**30.00**
		Works-in-Progress			
1	2013-14	Go India Project	DF-1	61.04	1.83
2	2011-12	25 mobile ticketing vans for issue of PRS tickets using cellular data	DF(1)	55.27	0.01
3	2010-11	National Train Enquiry System (NTES) - System upgradation	DF-1	490.00	198.00
4	2008-09	Setting up of Digital Library at IRITM	DF-1	48.00	0.01
5	2008-09	Procurement of hardware for enhancement of website www.trainenquiry.com	DF-1	17.84	0.01
6	2008-09	Procurement of software for enhancement of website www.trainenquiry.com	DF-1	38.43	0.01
7	2004-05	Dev. & implementation of PMS covering New Delhi-Howrah corridor	DF1	251.00	0.01
8	2005-06	HHT for TTEs	DF1	54.00	0.01
9	2007-08	Computerization of Rates Branch System	DF-1	43.00	0.01
10	2006-07	Chart printer for PRS	DF1	40.00	0.01
11	2006-07	NTES enquiry terminals at A category stations	DF1	25.00	0.01
12	2006-07	Provision of remote monitoring system for UTS equipment in Delhi area	DF1	30.00	0.01
13	2005-06	Additional 20 dumb terminal and report printers for Sr. DCM, Commercial control, Traffic Accounts and Printing Press Shakurbasti	DF1	5.00	0.01
14	2003-04	PRS at Khurja Jn	DF1	12.00	0.01
15	2002-03	PRS at Jammu II Location	DF1	40.00	0.01
16	2006-07	PRS at Satellite location Greater Noida	DF1	6.00	0.01
17	2007-08	PRS at Kedarnath	DF-1	6.00	0.01
18	2007-08	PRS at Gawaldham	DF-1	6.00	0.01
19	2007-08	PRS in the premises of Garhwal Vikas Nigam Ltd., near Rajpur Road, Dehradun City	DF-1	6.00	0.01
	WIP	**Total for Works Costing Less Than 250 lakhs(DF1)**	**DF1**	**1234.58**	**200.00**
1	2015-16	Development of RSP portal of Railway Board	DF-3	27.00	23.00
2	2014-15	Northern Railway - Indian Railway Cadre Management System - IRCMS	DF-3	102.00	1.00

Works approved for inclusion in List of Approved Works, 2016-17					
Northern Railway					(Rs in lakhs)
SN	Year of Sanction	Description	Allocation	Anticipated Cost	Outlay
3	2013-14	Enhancement of Case Monitoring System (CMS)	DF-3	81.46	4.93
4	2012-13	Safety Information Management System (SIMS)	DF(3)	446.00	75.00
5	2011-12	Computerization of TTE Lobbies at Interchange/major stations on 67 divisions of Indian Railways	DF(3)	230.00	75.00
6	2010-11	Vigilance MIS Project (Under Railway Board)	DF-3	55.00	0.01
7	2010-11	Web based Railway employee information system (REIS) (Phase-I)	DF-3	96.38	20.00
8	2010-11	Upgradation of Rates Branch System	DF-3	96.80	1.00
9	2010-11	Software development of Joint Internal Dispute Resolution Panel (JIDRP)	DF-3	5.40	0.01
10	2003-04	Northern Railway - Extension of RDBMS	DF3	167.85	0.01
11	2004-05	Northern Railway - Extension of RDBMS (Phase-II)	DF3	226.26	0.01
12	2004-05	GIS mapping for Indian Railways	DF3	100.00	0.01
13	2006-07	Northern Railway - procurement of line simulator software for long range decision support system project	DF3	98.00	0.01
14	2007-08	Northern Railway - customized software from CDAC for translation (Mantra)	DF3	82.00	0.01
	WIP	**Total for Works Costing Less Than 250 lakhs(DF3)**	**DF3**	**1814.15**	**200.00**
1	2014-15	Northern Railway - Replacement of Hardware and Networking equipment of all locations of Web enabled Claims Phase - I & Phase - II	DRF	193.00	60.00
2	2013-14	Replacement of 621 Terminals with Key Board	DRF	175.72	50.00
3	2013-14	Replacement of Hardware of 10 stations of New Delhi-Howrah Corridor and Replacement of SAN Storage installed at Central Site, CRIS for Parcel Management System	DRF	113.00	40.00
	WIP	**Total for Works Costing Less Than 250 lakhs(DRF)**	**DRF**	**481.72**	**150.00**
	Summary				
	NW	**Total for Works Costing Less Than 250 lakhs(DF3)**	**DF-3**	**643.72**	**99.84**
	NW	**Total for Works Costing Less Than 250 lakhs(DRF)**	**DRF**	**70.00**	**30.00**
	WIP	**Total for Works Costing Less Than 250 lakhs(DF1)**	**DF1**	**1234.58**	**200.00**
	WIP	**Total for Works Costing Less Than 250 lakhs(DF3)**	**DF3**	**1814.15**	**200.00**
	WIP	**Total for Works Costing Less Than 250 lakhs(DRF)**	**DRF**	**481.72**	**150.00**
	Note : The balance amount of Rs. 234.94 Lakh under the Works in Progress under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				
	Note : The balance amount of Rs. 170.00 Lakh under the new Works under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				
	Note : The amount of Rs. 2.00 lakh under the New Works under DF-1 may be kept as "Lumpsum" under the PH-17(Computerization).				

Works approved for inclusion in List of Approved Works, 2016-17					
North Central Railway					*(Rs in lakhs)*
SN	***Year of Sanction***	***Description***	***Allocation***	***Anticipated Cost***	***Outlay***
		Works -in-Progress			
1	2014-15	NCR-HQ Procurement of 597 Nos. of UTS Ticket Printers and 232 Nos. of UTS Report Printers for replacement over N.C. Railway	DRF	87.00	20.00
	WIP	**Total for Works Costing Less Than 250 lakhs (DRF)**	**DRF**	**87.00**	**20.00**
1	2013-14	Jhansi Division - Provision of 40 Nos. of 16 Port Terminal Servers for JTBS locations	DF-1	7.866	1.80
2	2012-13	Procurement of UTS/PRS equipment for installation of additional UTS/PRS counter during Kumbh Mela 2012-13	DF-1	40.12	0.10
3	2006-07	NCR-Unification of passenger reservation system and unreserved ticketing system and creation of zonal network hubs	DF1	162.59	0.10
	WIP	**Total for Works Costing Less Than 250 lakhs (DF1)**	**DF1**	**210.58**	**2.00**
	Summary				
	WIP	**Total for Works Costing Less Than 250 lakhs (DRF)**	**DRF**	**87.00**	**20.00**
	WIP	**Total for Works Costing Less Than 250 lakhs (DF1)**	**DF1**	**210.58**	**2.00**
	Note : The amount of Rs. 150.00 lakh under the New Works under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				
	Note : The balance amount of Rs. 180.00 lakh under the Works in Progress under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				

Works approved for inclusion in List of Approved Works, 2016-17					
North Eastern Railway					*(Rs in lakhs)*
SN	***Year of Sanction***	***Description***	***Allocation***	***Anticipated Cost***	***Outlay***
		Works-in-Progress			
1	2006-07	North Eastern Railway - Unification of passenger reservation system and unreserved ticketing system network and creation of zonal network hubs	DF1	151.04	0.98
2	2006-07	PRS at Khaira	DF1	6.00	0.02
	WIP	**Total for Works Costing Less Than 250 lakhs (DF1)**	**DF1**	**157.04**	**1.00**
	Summary				
	WIP	**Total for Works Costing Less Than 250 lakhs (DF1)**	**DF1**	**157.04**	**1.00**
	Note : The amount of Rs. 100.00 lakh under the New Works under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				
	Note : The amount of Rs. 200.00 lakh under the Works in Progress under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				

Works approved for inclusion in List of Approved Works, 2016-17					
Northeast Frontier Railway					(Rs in lakhs)
SN	***Year of Sanction***	***Description***	***Allocation***	***Anticipated Cost***	***Outlay***
		Works-in-Progress			
1	2009-10	Procurement of 40 nos. UTS report printers for use in UTS locations	DF-1	4.06	*0.25*
2	2009-10	Procurement of 60 nos. UTS ticket printers for use in UTS locations	DF-1	6.42	*0.30*
3	2009-10	Procurement of 60 nos. UTS dumb terminals for use in UTS locations	DF-1	6.56	*0.30*
4	2009-10	Procurement of 60 nos. thin client terminals for use in UTS locations	DF-1	9.17	*0.30*
5	2009-10	Procurement of 30 pairs of 2Mbps modems for use in UTS locations	DF-1	5.48	*0.25*
6	2009-10	Procurement of 20 nos. terminal servers for use in UTS locations	DF-1	6.53	*0.30*
7	2007-08	Provision of 30 Ticket Printers	DF-1	1.50	0.01
8	2007-08	Provision of 30 Terminal with key Board	DF-1	2.00	0.01
9	2006-07	PRS at Khonsa (DHQ NRH)	DF-1	7.00	0.01
10	2006-07	PRS at Ziro (DHQ NRH)	DF-1	7.00	0.01
11	2006-07	PRS at Yangte (DHQ NRH)	DF-1	7.00	0.01
12	2006-07	PRS at Seppa (DHQ NRH)	DF-1	7.00	0.01
13	2006-07	PRS at Anini (DHQ NRH)	DF-1	7.00	0.01
14	2006-07	PRS at Changlang (DHQ NRH)	DF-1	7.00	0.01
15	2006-07	PRS at Hawai (DHQ NRH)	DF-1	7.00	0.01
16	2006-07	PRS at Chandel (DHQ NRH)	DF-1	7.00	0.01
17	2006-07	PRS at Porompat (DHQ NRH)	DF-1	7.00	0.01
18	2006-07	PRS at Tamenglong (DHQ NRH)	DF-1	7.00	0.01
19	2006-07	PRS at Thoubal (DHQ NRH)	DF-1	7.00	0.01
20	2006-07	PRS at Nongstoin (DHQ NRH)	DF-1	7.00	0.01
21	2006-07	PRS at William Nagar (DHQ NRH)	DF-1	7.00	0.01
22	2006-07	PRS at Baghmara (DHQ NRH)	DF-1	7.00	0.01
23	2006-07	PRS at Lawngtlai (DHQ NRH)	DF-1	7.00	0.01

Works approved for inclusion in List of Approved Works, 2016-17					
Northeast Frontier Railway					(Rs in lakhs)
SN	***Year of Sanction***	***Description***	***Allocation***	***Anticipated Cost***	***Outlay***
24	2006-07	PRS at Saiha (DHQ NRH)	DF-1	7.00	0.01
25	2006-07	PRS at Mon (DHQ NRH)	DF-1	7.00	0.01
26	2006-07	PRS at Phek (DHQ NRH)	DF-1	7.00	0.01
27	2006-07	PRS at Tuensang (DHQ NRH)	DF-1	7.00	0.01
28	2006-07	PRS at Zunheboto (DHQ NRH)	DF-1	7.00	0.01
29	2006-07	PRS at Ambassa (DHQ NRH)	DF-1	7.00	0.01
30	2006-07	PRS at Longleng (DHQ NRH)	DF-1	7.00	0.01
31	2006-07	PRS at Peren (DHQ NRH)	DF-1	7.00	0.01
32	2006-07	PRS at Kiphere (DHQ NRH)	DF-1	7.00	0.01
33	2006-07	PRS at Kailashahar (DHQ NRH)	DF-1	7.00	0.01
34	2005-06	PRS terminals at Dy CAO/TA/ NFR	DF-1	1.00	0.01
35	2005-06	PRS at Ukhrul (DHQ RH)	DF-1	7.00	0.01
36	2003-04	PRS at Siliguri Jn. (2nd Location)	DF-1	12.00	0.01
	WIP	**Total for Works Costing Less Than 250 lakhs (DF1)**	**DF1**	**236.72**	**2.00**
	Summary				
	WIP	**Total for Works Costing Less Than 250 lakhs (DF1)**	**DF1**	**236.72**	**2.00**
	Note : The amount of Rs. 100.00 lakh under the New Works under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				
	Note : The amount of Rs. 200.00 lakh under the Works in Progress under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				

Works approved for inclusion in List of Approved Works, 2016-17					
North Western Railway					*(Rs in lakhs)*
SN	***Year of Sanction***	***Description***	***Allocation***	***Anticipated Cost***	***Outlay***
Works-in-Progress					
1	2006-07	UTS-cum-PRS at Utarlai	DF1	11.00	1.00
	WIP	**Total for Works Costing Less Than 250 lakhs(DF1)**	**DF1**	**11.00**	**1.00**
	Summary				
	WIP	**Total for Works Costing Less Than 250 lakhs(DF1)**	**DF1**	**11.00**	**1.00**
	Note : The amount of Rs. 150.00 lakh under the New Works under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				
	Note : The amount of Rs. 200.00 lakh under the Works in Progress under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				

Works approved for inclusion in List of Approved Works, 2016-17					
Southern Railway				(Rs in lakhs)	
SN	Year of Sanction	Description	Allocation	Anticipated Cost	Outlay
		New Works			
1	2016-17	Replacement of Thin Clients for UTS with comprehensive onsite warranty for 3 years – 667 Nos.	DRF	175.00	50.00
	NW	**Total for Works Costing Less Than 250 lakhs(DRF)**	**DRF**	**175.00**	**50.00**
		Works-in-Progress			
1	2014-15	Proposal to shift Tier 2 location from MMC to MAS and strengthaning of DATA com networks at MMC,MAS,MS,HQ	DF-1	10.57	0.50
2	2014-15	Provision of OFC connectivity for Anna Nagar and ICF PRS locations of MAS Divn of S.Rly	DF-1	18.72	1.00
3	2014-15	Provision of online UPS for MDU Divn-32 nos	DF-1	13.68	1.00
4	2014-15	Provision of 1 KVA Generator for MDU Divn-16 nos	DF-1	9.90	1.00
5	2009-10	Comissioning of UTS cum PRS (119 locations)	DF-1	40.82	1.00
6	2009-10	Disaster Management for working of PRS/UTS at MMC, Central station and Egmore	DF-1	49.00	1.00
7	2009-10	Provision of PRS facilitry at Pangode as setellite centre	DF-1	6.00	0.10
8	2008-09	Procurement of 2.1 KVA Accoustic proof portable GenSet - 30 nos.	DF-1	15.67	0.20
9	2007-08	Air-Conditioning of UTS center and Allied works at Chennai Central	DF-1	11.00	0.10
10	2006-07	Modernisation of CCM/PM office Chennai	DF1	7.00	0.10
	WIP	**Total for Works Costing Less Than 250 lakhs(DF1)**	**DF1**	**182.36**	**6.00**
1	2015-16	Replacement of 4P (G703/V35) Router for MAS-50; TPJ-5; SA-2; MDU-7; PGT-12 & TVC-12 Nos: - Total - 88 Nos.	DRF	94.00	40.00
2	2015-16	Replacement of 8P (G703/V35) Router for MAS-18; TPJ-4; SA-4; MDU-8; PGT-3 & TVC-8 Nos: - Total for Divisions - 45 Nos.	DRF	163.00	60.00
1	2014-15	Southern Railway - Replacement of 132 Col. Dot Matrix Report printers with High Speed Dot Matrix Printers - 200 Nos.	DRF	98.72	23.00
2	2014-15	Southern Railway - Replacement of 580 Nos. of UTS Dot Matrix - 80 Column Ticket Printers	DRF	66.33	23.00
3	2014-15	Southern Railway - Replacement of Network Hardware Switches for Sr. EDPM/MAS	DRF	99.00	30.00
4	2013-14	Replacement of Thin Client with comprehensive onsite warranty for 3 years - 1347 Nos.	DRF	184.00	1.00
5	2013-14	Replacement of ticket printers 80 Col. For UTS with comprehensive onsite warranty for 3 years	DRF	131.03	1.00
6	2013-14	Replacement of dumb terminals with thin client version of dumb terminals - 621 Nos.	DRF	148.00	1.00
7	2013-14	Replacement of Report Printers with High Speed DOT Matrix printers for PRS/UTS - 139 Nos.	DRF	67.55	1.00
	WIP	**Total for Works Costing Less Than 250 lakhs (DRF)**	**DRF**	**1051.63**	**180.00**
1		MMS for P-Way materials	Capital	105.49	5.00
	WIP	**Total for Works Costing Less Than 250 lakhs(Cap)**	**Capital**	**105.49**	**5.00**
	Summary				
	NW	**Total for Works Costing Less Than 250 lakhs(DRF)**	**DRF**	**175.00**	**50.00**
	WIP	**Total for Works Costing Less Than 250 lakhs(DF1)**	**DF1**	**182.36**	**6.00**
	WIP	**Total for Works Costing Less Than 250 lakhs(Cap)**	**Capital**	**105.49**	**5.00**
	WIP	**Total for Works Costing Less Than 250 lakhs (DRF)**	**DRF**	**1051.63**	**180.00**
	Note : The balance amount of Rs. 70.00 lakh under the Works in Progress under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				
	Note : The balance amount of Rs. 50.00 lakh under the New Works under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				

Works approved for inclusion in List of Approved Works, 2016-17					
South Central Railway					(Rs. in lakh)
S.No.	***Year of Sanction***	***Description***	***Allocation***	***Anticipated Cost***	***Outlay***
		New Works			
1	2016-17	Replacement of 439 Nos. of 3 KVA UPS at various locations over South central Railway	DRF	183.00	70.00
2	2016-17	Replacement of Datacom Equipment of PRS/IUTS and structured cabling at 450 PRS	DRF	154.00	50.00
3	2016-17	Replacement of 17 Nos. of Routers equivalent to CISCO 3945 in the PRS/UTS network of South Central Railway	DRF	204.00	50.00
	NW	**Total for Works Costing Less Than 250 lakhs(DRF)**	**DRF**	**541.00**	**170.00**
		Works-in-Progress			
1	2009-10	Development of web based software for Accounts Current compilation	DF-3	44.80	1.00
2	2010-11	Development of new software programme for SC Railway - Medical Department	DF-3	17.74	1.99
	WIP	**Works Costing Less than 250 Lakhs (DF-3)**	**DF-3**	**62.54**	**2.99**
1	2015-16	SCR - Replacement of 75 ATVMs with management terminals and card readers	DRF	112.00	50.00
2	2015-16	SCR - Replacement of 30 KVA UPS system at PRS/SC with Modular System	DRF	55.00	30.00
3	2015-16	SCR - Replacement of 495 Nos. of Thin Clients with ASA licence, monitors and Key Boards	DRF	155.00	50.00
4	2015-16	SCR - Replacement of 605 Nos. of UTS Ticket Printers	DRF	54.00	20.00
5	2015-16	SCR - Replacement of Modems of PRS/UTS	DRF	214.00	50.00
1	2014-15	South Central Railway - Replacement of 785 Nos. of PRS Dumb Terminals with Thin Client based LCD Monitors	DRF	196.00	20.00
2	2014-15	South Central Railway - Replacement of 1252 Nos. of UTS Ticket Printers	DRF	112.00	20.00
3	2014-15	South Central Railway - Replacement of 2634 Nos. of 12V-100 AH SMF Batteries	DRF	189.00	20.00
4	2014-15	South Central Railway - Replacement of datacom equipment of PRS/UTS	DRF	237.00	30.00
5	2014-15	South Central Railway - Replacement of UPS at PRS/UTS at SC HYB BZA and GNT Divisions	DRF	162.00	20.00
6	2014-15	South Central Railway - Replacement of 729 Nos. of PRS Printers and 792 Nos. of Report Printers	DRF	153.00	30.00
	WIP	**Works Costing Less than 250 Lakhs (DRF)**	**DRF**	**1639.00**	**340.00**
1	2003-04	MMS for P-way materials *	CAP	30.00	0.00
	WIP	**Total for Works Costing Less Than 250 lakhs(CAP)**	**CAP**	**30.00**	**0.00**
	Summary				
	NW	**Total for Works Costing Less Than 250 lakhs(DRF)**	**DRF**	**541.00**	**170.00**
	WIP	**Works Costing Less than 250 Lakhs (DF-3)**	**DF-3**	**62.54**	**2.99**
	WIP	**Works Costing Less than 250 Lakhs (DRF)**	**DRF**	**1639.00**	**340.00**
	WIP	**Total for Works Costing Less Than 250 lakhs(CAP)**	**CAP**	**30.00**	**0.00**
	Note : The balance amount of Rs. 30.00 Lakh under the New Works under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				
	Note : The balance amount of Rs. 60.00 Lakh under the Works in Progress under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				
	Note : The amount of Rs. 10.00 lakh under the Works in Progress under DF-1 may be kept as "Lumpsum" under the PH-17(Computerization).				
	*** Funds may be provided under GM's powers.**				

Works approved for inclusion in List of Approved Works, 2016-17					
South Eastern Railway				Rs. in Lakh	
SN	***Year of Sanction***	***Description***	***Allocation***	***Anticipated Cost***	***Outlay***
Works-in-Progress					
1		Procurement of TSS equipment of CMS on replacement account over South Eastern Railway	DRF	58.16	10.00
2	2014-15	South Eastern Railway - Replacement of 2 KVA UPS backup UPS - 250 Nos.	DRF	134.00	30.00
3	2014-15	South Eastern Railway - Replacement of Datacom Equipment of PRS	DRF	71.00	20.00
4	2014-15	South Eastern Railway - Replacement of RMS and ICMS Equipment	DRF	52.00	10.00
5	2014-15	South Eastern Railway - Replacement of System peripherals of PRS	DRF	151.00	30.00
	WIP	**Total for Works Costing Less Than 250 lakhs (DRF)**	**DRF**	**466.16**	**100.00**
1	2006-07	South Eastern Railway - Unification of passenger reservation system and unreserved ticketing system network & creation of zonal network hubs	DF1	162.59	2.00
	WIP	**Total for Works Costing Less Than 250 lakhs (DF1)**	**DF1**	**162.59**	**2.00**
	Summary				
	WIP	**Total for Works Costing Less Than 250 lakhs (DRF)**	**DRF**	**466.16**	**100.00**
	WIP	**Total for Works Costing Less Than 250 lakhs (DF1)**	**DF1**	**162.59**	**2.00**
	Note : The balance amount of Rs. 100.00 lakh under the Works in Progress under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				
	Note : The amount of Rs. 200.00 lakh under the New Works under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				
	Note : The amount of Rs. 2.00 Lakh under the Works in Progress under DF-3 may be kept as "Lumpsum" under the PH-17(Computerization)				

Works approved for inclusion in List of Approved Works, 2016-17					
South East Central Railway					*(Rs in lakhs)*
SN	***Year of Sanction***	***Description***	***Allocation***	***Anticipated Cost***	***Outlay***
		Works-in-Progress			
1	2014-15	Replacement of Hardware Software and Migration of E-Working application of SECR - SECROADS	DRF	61.62	30.00
	WIP	**Total for Works Costing Less Than 250 lakhs (DRF)**	**DRF**	**61.62**	**30.00**
1	**2013-14**	Bilaspur Division.: Additional requirement of UTS/PRS hardware for 19 locations	DF1	89.85	10.00
	WIP	**Total for Works Costing Less Than 250 lakhs (DF1)**	**DF1**	**89.85**	**10.00**
1	2010-11	Installation of Hospital Management and Information System (HMIS) in Central Hospital, Bilaspur **(*)**	DF-3	99.14	1.00
	WIP	**Total for Works Costing Less Than 250 lakhs (DF3)**	**DF-3**	**99.14**	**1.00**
	Summary				
	WIP	**Total for Works Costing Less Than 250 lakhs (DRF)**	**DRF**	**61.62**	**30.00**
	WIP	**Total for Works Costing Less Than 250 lakhs (DF1)**	**DF1**	**89.85**	**10.00**
	WIP	**Total for Works Costing Less Than 250 lakhs (DF3)**	**DF-3**	**99.14**	**1.00**
	Note : The amount of Rs. 100.00 lakh under the New Works under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				
	Note : The balance amount of Rs. 170.00 Lakh under the Works in Progress under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				

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Works approved for inclusion in List of Approved Works, 2016-17					
South Western Railway					*(Rs in lakhs)*
SN	***Year of Sanction***	***Description***	***Allocation***	***Anticipated Cost***	***Outlay***
1	***2016-17***	Procurement of PRS and UTS equipment on replacement account over South Western Railway during 2016-17	DRF	102.00	50.00
	NW	**Total for Works Costing Less Than 250 lakhs (DRF)**	**DRF**	**102.00**	**50.00**
		Works-in-Progress			
1	2006-07	South Western Railway - Unification of passenger reservation system and unreserved ticketing system and creation of zonal network hubs	DF1	137.32	2.00
	WIP	**Total for Works Costing Less Than 250 lakhs (DF1)**	**DF1**	**137.32**	**2.00**
1	2007-08	UBL:Computerization of PCE/SWR's office	DF-3	30.00	1.00
	WIP	**Total for Works Costing Less Than 250 lakhs (DF3)**	**DF3**	**30.00**	**1.00**
	Summary				
	NW	**Total for Works Costing Less Than 250 lakhs (DRF)**	**DRF**	**102.00**	**50.00**
	WIP	**Total for Works Costing Less Than 250 lakhs (DF1)**	**DF1**	**137.32**	**2.00**
	WIP	**Total for Works Costing Less Than 250 lakhs (DF3)**	**DF3**	**30.00**	**1.00**
	Note : The balance amount of Rs. 50.00 lakh under the New Works under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				
	Note : The amount of Rs. 200.00 lakh under the Works in Progress under DRF may be kept as "Lumpsum" under the PH-17(Computerization).				

Works approved for inclusion in List of Approved Works, 2016-17					
Western Railway					Rs. in lakh
SN	***Year of Sanction***	***Description***	***Allocation***	***Anticipated Cost***	***Outlay***
		Works-in-Progress			
1	2013-14	Provision of 31 Nos. of additional Heavy Duty Chart Printers (Line) at various charting PRS locations	DF-1	48.11	1.00
2	2010-11	Computerization of Coaching Refund Section of Commercial Branch	DF1	3.88	0.10
3	2008-09	Provision of PC based charting	DF-1	10.93	0.01
4	2007-08	Provision of 86 terminal servers	DF-1	35.00	0.01
5	2007-08	Provision of 93 switches	DF-1	29.00	0.01
6	2007-08	Provision of 65 LAN extenders	DF-1	10.00	0.01
7	2007-08	Provision of 5, 2 MBPS routers	DF-1	6.00	0.01
8	2005-06	UTS at Chota Udaipur	DF1	8.00	0.01
9	2007-08	PRS at Post Office, Ghantaghar, Nimach	DF1	6.00	0.01
	WIP	**Total for Works Costing Less Than 250 lakhs (DF1)**	**DF1**	**156.92**	**1.17**
1	2014-15	Replacement of 335 Nos. of LCD Dumb Terminals	DRF	81.00	1.00
	WIP	**Total for Works Costing Less Than 250 lakhs (DRF)**	**DRF**	**81.00**	**1.00**
	Summary				
	WIP	**Total for Works Costing Less Than 250 lakhs (DF1)**	**DF1**	**156.92**	**1.17**
	WIP	**Total for Works Costing Less Than 250 lakhs (DRF)**	**DRF**	**81.00**	**1.00**
	Note : The balance amount of Rs. 200.00 lakh under the New Works under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				
	Note : The balance amount of Rs. 249.00 lakh under the Works in Progress under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				
	Note : The amount of Rs. 6.83 lakh under the Works in Progress under DF-1 may be kept as "Lumpsum" under the PH-17(Computerization).				

Works approved for inclusion in List of Approved Works, 2016-17					
West Central Railway					(Rs in lakhs)
	Year of Sanction	Description	Allocation	Anticipated Cost	Outlay
Works-in-Progress					
1	2004-05	WCR-UTS(Under rly Board)	DF1	236.81	2.00
	WIP	Total for Works Costing Less Than 250 lakhs(DF1)	DF1	236.81	2.00
	Summary				
	WIP	Total for Works Costing Less Than 250 lakhs(DF1)	DF1	236.81	2.00
	Note : The amount of Rs. 150.00 lakh under the New Works under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				
	Note : The amount of Rs. 200.00 lakh under the Works in Progress under DRF may be utilized under GM's powers as per Board's letter No. F(X)II-2009/PW/3 dated 16.03.2009.				

Works approved for inclusion in List of Approved Works, 2016-17					
Metro Railway					*(Rs in lakhs)*
SN	***Year of Sanction***	***Description***	***Allocation***	***Anticipated Cost***	***Outlay***
		Works in Progress			
1	2010-11	Providing total solution comprising replacement of existing hardware, upgradation of system software, migration and conversion of application	DF-3	82.08	2.00
	WIP	**Total for Works Costing Less Than 250 lakhs(DF-3)**	**DF-3**	**82.08**	**2.00**
	Summary				
	WIP	**Total for Works Costing Less Than 250 lakhs(DF-3)**	**DF-3**	**82.08**	**2.00**

Works approved for inclusion in List of Approved Works, 2016-17					
Diesel Locomotive Works(DLW)					*(Rs in lakhs)*
SN	***Year of Sanction***	***Description***	***Allocation***	***Anticipated Cost***	***Outlay***
Works in Progress					
1	2012-13	Implementation of Customized ERP at DLW Varanasi (Phase-II)	Cap	174.00	30.00
	WIP	**Total for Works Costing Less Than 250 lakhs(Cap)**	**Cap**	**174.00**	**30.00**
1	2010-11	Implementation of Customized ERP at DLW (Varanasi)-Ph-1	WMS	30.00	5.00
	WIP	**Total for Works Costing Less Than 250 lakhs(WMS)**	**WMS**	**30.00**	**5.00**
	Summary				
	WIP	**Total for Works Costing Less Than 250 lakhs(Cap)**	**Cap**	**174.00**	**30.00**
	WIP	**Total for Works Costing Less Than 250 lakhs(WMS)**	**WMS**	**30.00**	**5.00**

Works approved for inclusion in List of Approved Works, 2016-17						
Diesel Loco Modernisation Works					(Rs in lakhs)	
SN	***Year of Sanction***	***Description***	***Allocation***	***Anticipated Cost***	***Outlay***	
New Works						
1	**NW**	**Total for Works Costing Less than 250 Lakhs (WMS)**	**WMS**	**0.00**	**0.00**	
Works in Progress						
1	2013-14	Bar Coding and RFID of material	WMS	50.00	0.00	*
2	2007-08	Procurement of RISC Server, SAN storage and tape library	WMS	37.00	0.00	*
3	2007-08	Extension of LAN in DMW	WMS	40.00	0.00	*
4	2007-08	Electronic Gate Attendance System in DMW	WMS	30.00	0.00	*
	WIP	**Total for work costing less then 250 lakhs (DMW)**	**WMS**	**157.00**	**0.00**	
	Summary					
	WIP	**Total for work costing less then 250 lakhs (DMW)**	**WMS**	**157.00**	**0.00**	
	*** Funds may be provided under GM's powers.**					

Works approved for inclusion in List of Approved Works, 2016-17					
Integral Coach Factory					*(Rs in lakhs)*
	Year of Sanction	***Description***	***Allocation***	***Anticipated Cost***	***Outlay***
		Works in Progress			
1	2008-09	Procurement of hardware and software for Design Office(Phase - II and III)	WMS	195.00	0.00
	WIP	**Total for work costing less then 250 lakhs (WMS)**	**WMS**	**195.00**	**0.00**
	Summary				
	WIP	**Total for work costing less then 250 lakhs (WMS)**	**WMS**	**195.00**	**0.00**