

**भारत सरकार GOVERNMENT OF INDIA**  
**रेल मंत्रालय MINISTRY OF RAILWAYS**  
**(रेलवे बोर्ड RAILWAY BOARD)**

New Delhi, dt. 04.09.2015

No. 2015/M(L)/459/2Pt.

**Chief Mechanical Engineer,**  
All Indian Railways.

**Chief Mechanical Engineer,**  
Diesel Locomotive Works,  
Varanasi.

**Chief Mechanical Engineer,**  
Integral Coach Factory ,  
Chennai.

**Chief Administrative Officer ,**  
Diesel Loco Modernisation Works  
Patiala.

**Sub: Board bulk RSP Items in Pink Book/White Book 2015-16.**

Large number of items, pertaining to Diesel Locomotives & DEMU's, are sanctioned in Pink Book. Many of these items are more than 8-9 years old for which a thorough review is necessary.


List of items appearing in Pink Book/WB 2015-16 is enclosed. It mentions year of sanction, outlay expected/proposed and allocation for 2015-16. These figures do not tally with actual figures maintained by Railways.

Railways should indicate against each item, quantity distributed by Railway Board, quantity procured, balance, numbers fitted, funds consumed & fund required for 2016-17 and also target projection for its completion as per format below.

S N	Descripti on of item as per pink book	PB item No.	Alloc ation	Procurem ent Action by	Qty Allotted	Procured upto last year	Procured during the current year so far	Expenditure upto last year	Expected Expenditure during the current year	Brief status (completed with all respect)	Rem arks

Soft copy of the position should be emailed to [directortraction@gmail.com](mailto:directortraction@gmail.com) in advance by 10.09.2015.

DA: As above

  
**(Alok Kumar Misra)**  
**Dir. Mech. Engg. (Tr.)**  
**Railway Board**

**Bulk RSP items (diesel loco & DEMU) as per Pink Book/WB 2015-16**

PB/GB/WB Book of AW Item No. (15-16)	Description	Qty.	Allocation	Anticipated cost	Exp. at the end of mar'2014	Outlay expected to end of 2014-15	Outlay proposed for 2015-16
<b>RSP Santion Year 1991-92</b>							
1WB	100 WHEEL flange lubricator fitment in diesel loco ex abroad (599/91-92, 90/8-9 WB26/7-8, 99/9-10, 101/10-11 117/11-12, 126/12-13, 102/13-14, 109/14-15)	100	CAP	15000		10434	0
			EBR(IRFC)	5000			1
<b>RSP Santion Year 1996-97</b>							
2	4 Steam locos for Nilgiri Rly Rs.10 crores (147/96-97, 44/6-7 28/7-8, 27/8-9, 21/10-11, 9/11-12, 4/12-13, 2/13-14, 2/14-15)	4	DRF	400000	17272	10000	50000
961	Capital spares for DMUs (217/96-97, 558/6-7 588/7-8, 929/10-11, 835/11-12, 882/12-13, 930/13-14, 948/14-15)	1	DRF	28500	28461	1	1
<b>RSP Santion Year 1997-98</b>							
3	3 locos for DARJEELING Himalayan Rly. Rs.6 crores (5/97-98, 28/8-9, 22/9-10, 22/10-11, 10/11-12, 5/12-13, 3/13-14, 3/14-15)	3	DRF	180000	29007	1591	40000
3WB	3 Nos NG Rail Cars for Kalka - Shimla Section Rs.37.5 lakhs each (6/97-98, WB17/7-8 22/8-9, 24/9-10, 24/10-11 36/11-12, 45/12-13, 57/13-14, 63/14-15)	3	DRF	11250		14	1
5WB	4 NG Rail Buses (304/97-98, 1& 31/3-4, 71/5-6&69/6-7 WB27/7-8 23/8-9, 25/9-10, 25/10-11 37/11-12, 46/12-13, 58/13-14, 64/14-15)	4	CAP	15000		2	0
			EBR(IRFC)	5000			1
2WB	5 TG/Alternater for WDM-2 locos (DSL) ex.DLW @Rs.15 lakhs each apprx (48/97-98, 100/8-9 WB16/7-8, 109/9-10, 111/10-11 127/11-12, 135/12-13, 109/13-14, 116/14-15)	5	CAP	10000		0	0
			EBR(IRFC)	9500			1
<b>RSP Santion Year 1998-99</b>							
6WB	1 TG/AA for WDG-4 locos (diesel) Ex.DLW @Rs.85lakhs (158/98-99, 101/8-9 WB18/7-8, 110/9-10, 112/10-11 128/11-12, 136/12-13, 110/13-14, 117/14-15)	1	CAP	8000		2	0
			EBR(IRFC)	500			1
4WB	3 TG/Alternater for WDM2 locos (DSL) ex.DLW @ Rs.20 lacs each approx (154/98-99, 103/8-9WB25/7-8, 112/9-10, 130/11-12, 138/12-13, 112/13-14, 119/14-15)	3	CAP	5000		2	0
			EBR(IRFC)	1000			1
<b>RSP Santion Year 2000-01</b>							
4	3MTAs for WDG4 Dsl locos ex DLW Rs.240 lakhs consisting of bogieifram TM & W/sets (140/00-01, 32/8-9, 26/9-10, 26/10-11, 11/11-12, 6/12-13, 4/13-14, 4/14-15)	3	CAP	62000	18000	1	0
			EBR(IRFC)	10000	0	0	10000
29WB	Modifn. of 50 TM with roller susp.bearing Rs. 2.25 lacs at DCW (136/00-01 WB46/7-8 4/8-9, 4/10-11 5/11-12, 12/12-13, 17/13-14, 18/14-15)	50	DRF	11250		1	1
9WB	1 TG/TA for WAG4 dsl locos ex DLW Rs. 85 lakhs (141/00-01, 102/8-9WB20/7-8, 111/9-10, 113/10-11, 129/11-12, 137/12-13, 111/13-14, 118/14-15)	1	CAP	8000		2	0
			EBR(IRFC)	500			1
8WB	Procurement of one oil fired loco boiler for X class steam loco in Nilgiri Mountain Rlys Rs.50 lakhs (138/00-01, 107/8-9WB15/7-8, 134/11-12, 142/12-13, 116/13-14, 123/14-15)	1	DRF	5000		12	1
7WB	Micp. based ele br.system for 10 locosinclg resetng VCD autoswitch flsh light on Psnger Alm system Rs.18 lakh (135/0-1WB19/7-8, 135/11-12, 143/12-13, 117/13-14, 124/14-15)	10	CAP	10000		5002	0
			EBR(IRFC)	8000			1
<b>RSP Santion Year 2001-02</b>							
5	Fitment of air dryers in Diesel locos undergoing POH Rs.3 lakhs(171/01-02, 34/8-9, 28/9-10, 28/10-11, 13/11-12, 8/12-13, 6/13-14, 6/14-15)	500	DRF	150000	5111	1	1
6	Procurement of 4 NG ZDM3 locos Rs.200 lakhs each (173/01-02 GB1/6-7 1/7-8, 43/8-9, 37/9-10, 37/10-11, 14/11-12, 9/12-13, 7/13-14, 7/14-15)	4	DRF	79900	73016	6883	1
			SRSF	100	0	0	0
7	Procurement of 2 NG NDM1 locos for Neral Matheran section of CR Rs 100 lacs (174/01-02 GB 3/02-03, 3/6-7 2/7-8, 38/10-11, 15/11-12, 10/12-13, 8/13-14, 8/14-15)	2	DRF	6735	6	1	1
			SRSF	33265	33264	0	0
12WB	1 no. 700 HP Shunting loco Rs.175 lakhs ex DLW (167/1-2, WB22/7-8, 4/12-13, 7/13-14, 8/14-15)	1	CAP	17000		2	
			EBR(IRFC)	500			1
13WB	Provision of LED based flasher light on Diesel locos @Rs.0.12 lakhs for locs (175/01-02 75/8-9 WB 8/7-8, 84/9-10, 86/10-11 102/11-12, 111/12-13, 94/13-14, 101/14-15)	100	CAP	6898		6898	0
			BOND	2		1	0
			DRF	5100		5007	1
14WB	Provision of twin sealed Beam headlight on 1000 Diesel locos @Rs.0.16 lakhs per loco (176/01-02 ,23/5-6&22/6-7 WB9/7-8, 88/10-11, 104/11-12, 113/12-13, 96/13-14, 103/14-15)	1000	CAP	10000		3409	0
			EBR(IRFC)	6000			1
15WB	5 Turbo charger for Mainline dsl. locos ex.DLW @Rs.22 lakhs each (186/01-02, 92/8-9WB23/7-8, 101/9-10, 103/10-11 119/11-12, 128/12-13, 103/13-14, 110/14-15)	5	CAP	4397		4397	1
			EBR(IRFC)	4		3	0
			DRF	6600		0	0
<b>RSP Santion Year 2002-03</b>							
18WB	Rehab. of 4 NG steam locos for Neral Matheran and Darjeeling - Himalayan Rly Rs. 50 lacs (462/02-03, WB30/7-8 24/8-9, 26/9-10, 38/11-12, 47/12-13, 59/13-14, 65/14-15)	4	DRF	20000		4	1
19WB	Procurement of 2 NG Rail cars for Kalka - Shimla section @ Rs. 75 lacs (463/02-03, WB31/7-8 25/8-9, 27/9-10, 27/10-11 39/11-12, 48/12-13, 60/13-14, 66/14-15)	2	DRF	15000		4	1



PB/GB/WB Book of AW Item No. (15-16)	Description	Qty.	Allocation	Anticipated cost	Exp. at the end of mar'2014	Outlay expected to end of 2014-15	Outlay proposed for 2015-16
20WB	1 Power pack for shunting diesel locos ex.DLW @Rs. 105 lakhs (466/02-03,80/8-9 WB32/7-8,89/9-10,91/10-11,107/11-12,116/12-13, 98/13-14, 105/14-15)	1	CAP	10000		2	0
			EBR(IRFC)	500			1
21WB	3 MTA for shunting dsl locos ex.DLW @ Rs. 79lakhs each consisting of bogie frame , TM & w/sets (467/02-03, 87/8-9 WB33/7-8,114/11-12,123/12-13, 100/13-14, 107/14-15)	3	CAP	13700		2	12722
			EBR(IRFC)	10000			0

**RSP Santion Year 2003-04**

9	Replacement of 3 NG Steam locos with 3 NDM6 for DHR @ Rs.87lacs (474/03-04, 56/10-11, 23/11-12, 14/12-13, 10/13-14, 10/14-15)	3	DRF	26100	11	1	1
23WB	Prov.of LED based fish. lgt on 1000 Mainline DSL locos @ Rs.12000 (486/03-04 , 76/8-9WB37/7-8,85/9-10,87/10-11 103/11-12,112/12-13, 95/13-14, 102/14-15)	1000	CAP	10000		0	0
			EBR(IRFC)	2000			1
24WB	Upgra. of Sp Reco from electro-mech type to micro process based on 400 DSL locos @ Rs.1.2 lacs (487/3-4 , 78/8-9 WB38/7-8, 89/10-11,114/12-13, 97/13-14, 104/14-15)	400	DRF	12000		6019	1
27WB	2 MTAs for WDM3C Dsl Locos Ex.DLW Rs.79 lakhs consisting of Bogie frame TM & W/Sets (492/03-04,88/8-9 45/7-8, 97/9-10, 115/11-12,124/12-13, 101/13-14, 108/14-15)	2	CAP	10000		2	0
			EBR(IRFC)	5800			1
26WB	2 TG/TA for mainline diesel locos ex.DLW @ Rs.26 lakhs (494/03-04 , 105/8-9 WB44/7-8,113/9-10,115/10-11,131/11-12,139/12-13, 113/13-14, 120/14-15)	2	CAP	5000		2	
			EBR(IRFC)	200			1
25WB	Electronic Fuel Injection Unit for 10 Dsl locos @Rs.20 lacs / loco (495/03-04,109/8-9WB40/7-8,118/9-10,120/10-11,136/11-12,144/12-13, 118/13-14, 126/14-15)	10	CAP	10000		0	
			EBR(IRFC)	10000			10000
155WB	5 Turbo charger for mainline dsl.locos ex. DLW @Rs.24 lacs each(493/03-04,118/5-6 116/8-9,136/9-10,WB159/10-11 182/11-12,185/12-13, 144/13-14, 152/14-15)	5	CAP	2554		2554	
			EBR(IRFC)	46		3	1

**RSP Santion Year 2004-05**

10	Prov. of microprocessor bk system with VCD event recorder on 50locos Rs.25 lacs (498/4-5,80/8-9,,62/10-11,26/11-12 17/12-13, 11/13-14, 11/14-15)	50	CAP	118000	118000	0	0
			EBR(IRFC)	7000	502	0	1000
11	Technological upgradation of safety equipment on 50 locos Rs. 36lacs (499/4-5,81/8-9,63/10-11,27/11-12,18/12-13, 12/13-14, 12/14-15)	50	DRF	180000	111672	2797	1
12	Replacement of 50 nos. coco bogies on dsl locos Rs. 11 lacs (500/4-5,82/8-9, 64/10-11,28/11-12,19/12-13, 13/13-14, 13/14-15)	50	DRF	55000	46307	1	1
13	Crew friendly cab for 100 dsl locos Rs. 4 lacs (501/4-5, 83/8-9, 65/10-11,29/11-12,20/12-13, 14/13-14, 14/14-15)	100	DRF	40000	22237	479	5000
14	New manufacture of 5 NG locos for kalka-shimla Rs. 2 crores (C246506/4-5, 87/8-9, 68/10-11,30/11-12,21/12-13, 15/13-14, 15/14-15)	5	DRF	100000	51339	1	1
15	Manufacture of 4 new dsl loco having hotel load Rs. 150 lacs (507/4-5,88/8-9,69/10-11,31/11-12 22/12-13, 16/13-14, 16/14-15)	4	CAP	60000	10	1	1
30WB	Prov. of BG crankshraft for 10 dsl locos Rs. 18 lacs (505/4-5, 66/8-9 WB47/7-8, 70/9-10,72/10-1188/11-12,97/12-13, 84/13-14, 91/14-15)	10	DRF	18000		0	1
32WB	8 turbo chargers for main line dsl locos ex. DLW Rs. 24 lacs( 520/4-5, 95/8-9WB50/7-8,102/9-10,104/10-11,120/11-12,96/12-13,129/12-13, 104/13-14, 111/14-15)	8	DRF	19200		2607	1
33WB	3 Turbo Charger for WDM 3C Dsl locos ex DLW Rs. 24lacs each (532/4-5, 96/8-9 WB57/7-8,103/9-10,105/10-11 121/11-12, 97/12-13,130/12-13, 105/13-14, 112/14-15)	3	DRF	7200		2507	2500
31WB	3 TG/TA for main line dsl locos ex. DLW Rs. 26 lacs (519/4-5, 106/8-9 WB49/7-8,114/9-10,116/10-11,132/11-12,140/12-13, 114/13-14, 121/14-15)	3	DRF	7800		10	1

**RSP Santion 2005-06**

19	Pro.of micropro. based elect. control system with resetting VCD, ER on100 dsl loco Rs. 25 lacs(583/5-6, 90/10-11, 43/11-12, 29/12-13, 20/13-14, 20/14-15)	100	CAP	244192	183192	0	0
			EBR(IRFC)	5808	3	1	5001
20	Locontrol for 8 Nos. Dsl. Locos Rs.50 lacs(584/5-6 , 111/8-9,91/9-10,91/10-11,44/11-12,30/12-13, 21/13-14, 21/14-15) (Distributed Power System)	8	CAP	35000	4002	1	0
			EBR(IRFC)	5000	0	0	5000
21	Sealed bearings for 100 locos axles Rs.3.6 lacs(585/5-6,112/8-9, 45/11-12,31/12-13, 22/13-14, 22/14-15)	100	CAP	36000	2	1	1
22	Replacement of 25 Co-Co bogies on Dsl. locos Rs.11 lacs (586/5-6,113/8-9,93/10-11,46/11-12 32/12-13, 23/13-14, 23/14-15)	25	DRF	27500	7707	1	1
23	Provision of Crew friendly cabs for 100 Dsl. locos Rs.4 lacs(587/5-6,114/8-9,94/10-11,47/11-12 33/12-13, 24/13-14, 24/14-15)	100	DRF	40000	15001	1	10000
24	Upgradation of speed recorders with electronic memory on 500 Dsl.loco Rs.0.65 lacs (589/5-6 , 116/8-9,96/10-11,48/11-12 ,34/12-13, 25/13-14, 25/14-15)	500	DRF	32500	29258	1	1
25	Prov. of centrifuses on 500 dsl locos Rs. 0.70 lacs (590/5-6,117/8-9,97/9-10,97/10-11,49/11-12 35/12-13, 26/13-14, 26/14-15)	500	CAP	9005	9005	0	0
			EBR(IRFC)	25995	3	1	1
26	Capital spares for DMUs at . Rs. 6.95 crs. (592/5-6 , 118/8-9,98/10-11,50/11-12,36/12-13, 27/13-14, 27/14-15)	1	CAP	68501	44501	0	0
			EBR(IRFC)	999	3	1	1

PB/GB/WB Book of AW Item No. (15-16)	Description	Qty.	Allocation	Anticipated cost	Exp. at the end of mar'2014	Outlay expected to end of 2014-15	Outlay proposed for 2015-16
29	10 MTA for mainline dsl locos ex. DLW Rs. 86 lacs consisting of Frame, TM & W/sets (603/5-6, 126/8-9, 106/9-10, 58/11-12, 40/12-13, 30/13-14, 30/14-15)	10	DRF	86000	48409	37530	1
30	5 MTA for 4000 HP dsl locos ex. DLW Rs 79 lacs consisting of Frame, TM & W/sets (607/5-6, 127/8-9, 107/10-11, 59/11-12, 41/12-13, 31/13-14, 31/14-15)	5	DRF	39500	2008	37492	1
39WB	4 TG/TA for 4000 HP dsl locos ex. DLW Rs. 28 lacs (608/5-6 WB65/7-8 2/8-9, 2/9-10, 2/10-11, 2/11-12, 3/12-13, 6/13-14, 7/14-15)	4	DRF	11200		5608	5000
34WB	Prov. of 10 Nos. BG engine blocks at DLWRs. 14 lacs (591/5-6 WB58/7-8 5/8-9, 5/10-11 6/11-12, 13/12-13, 18/13-14, 19/14-15)	10	DRF	14000		6800	1
36WB	2 TG/TA for WDM 3C dsl locos ex. DLW Rs. 28 lacs (604/5-6 67/8-9 WB62/7-8, 71/9-10, 73/10-11 89/11-12, 98/12-13, 85/13-14, 92/14-15)	2	DRF	5600		9	1
38WB	1 Power pack for 4000 HP dsl loco ex. DLW Rs. 115 lacs ((606/5-6 86/8-9 WB64/7-8, 9+C2715/9-10, 97/10-11 113/11-12, 122/12-13, 99/13-14, 106/14-15)	1	DRF	11500		9	1
35WB	2 Turbo charger for mainline dsl loco ex. DLW Rs. 26 lacs (601/5-6 97/8-9 WB60/7-8, 104/9-10, 106/10-11 122/11-12, 131/12-13, 106/13-14, 113/14-15)	2	DRF	5200		5198	1
37WB	5 Turbo charger for WDM 3C dsl loco ex. DLW Rs. 26 lacs (605/5-6 & 182/6-7 WB 63/7-8 98/8-9, 105/9-10, 107/10-11 123/11-12, 132/12-13, 107/13-14, 114/14-15)	5	DRF	13000		13000	1
<b>RSP Santion Year 2006-07</b>							
33	Provision of crew friendly cab for 100 dsl locos @ Rs. 4 lacs each (638/6-7, 125/7-8, 135/8-9, 115/10-11, 65/11-12, 44/12-13, 34/13-14, 33/14-15)	100	DRF	40000	12500	2542	5000
34	Upgradation of speed recorder on 500 dsl locos @ Rs. .79 lacs each (640/6-7, 137/8-9, 117/9-10, 117/10-11, 67/11-12, 46/12-13, 36/13-14, 36/14-15)	500	DRF	39500	8	1	1
35	Provision of 25 nos. BG engine block at DLW @ Rs. 17 lacs (642/6-7, 139/8-9, 119/10-11, 68/11-12 47/12-13, 37/13-14, 37/14-15)	25	DRF	42500	34974	1	7500
36	Conversion of 6 DPC to dual fuel engines @ Rs. 48 lacs (643/6-7, 140/8-9, 120/10-11, 69/11-12, 48/12-13, 38/13-14, 38/14-15)	6	DRF	28800	5107	3370	3370
37	Captial spared for DMUs power pack alternater and motorised truck assly @ Rs. 2.56 crs. (644/6-7, 121/10-11, 70/11-12, 49/12-13, 39/13-14, 39/14-15)	1	CAP	25004	7804	0	0
			EBR(IRFC)	596	3	1	1
38	Conversion of 500 expressor from 6 CD4U to 6 CD3UC @ Rs. 2.2 lacs each (645/6-7, 142/8-9, 122/10-11, 71/11-12, 50/12-13, 40/13-14, 40/14-15)	500	DRF	110000	6642	1	10000
39	Provision of unit exchange spares for GM locos @ Rs. 17.76 crs. (646/6-7, 143/8-9, 123/10-11, 72/11-12, 51/12-13, 41/13-14, 41/14-15)	1	CAP	177600	177599	0	1
47WB	Replacement of plate type lube 100 oil coolers for dsl locos @ Rs. .80 lacs each (647/6-7) WB83/7-8 6/8-9, 6/10-11 7/11-12, 14/12-13, , 19/13-14, 20/14-15)	100	DRF	8000		6006	1
48WB	Provision of 500 vigilance control device on dsl locos @ Rs. .30 lacs each (648/6-7 WB84/7-8, 7/8-9, 7/9-10, 7/10-11 8/11-12, 15/12-13, 20/13-14, 21/14-15)	500	DRF	15000		0	1
<b>RSP Santion Year 2007-08</b>							
56	Upgradation of 15 locos at Parel/CR while rebuilding @ Rs. 198 lacs (675/7-8, 167/8-9, 147/10-11, 93/11-12, 70/12-13 58/13-14, 58/14-15)	15	DRF	297000	7	1	290000
58	Replacement of 100 nos. Co-Co bogies on mainline dsl locos @ Rs. 12 lacs/bogie (677/7-8, 169/8-9, 149/10-11, 95/11-12, 72/12-13, 60/13-14, 60/14-15)	100	DRF	120000	7	1	1
59	Provision of centrifues on 500 dsl locos @ Rs. 0.70 lacs/loco (679/7-8, 171/8-9, 151/10-11, 97/11-12, 74/12-13, 62/13-14, 62/14-15)	500	DRF	35000	14506	1	5000
60	Provision of 25 Nos. BG engine blocks at DLW @ Rs. 17 lacs/EB (680/7-8, 172/8-9, 152/10-11, 98/11-12, 75/12-13, 63/13-14, 63/14-15)	25	DRF	42500	24999	17500	1
61	Replacement of 100 TM amature on dsl locos @ Rs. 11.2 lacs/TM (682/7-8, 174/8-9, 154/10-11, 100/11-12, 76/12-13, 64/13-14, 64/14-15)	100	DRF	112000	59132	1	1
73	Traction Motor for ALCO dsl. locos-200 nos. @ Rs. 18.3 lacs/motor (695/7-8, 187/8-9, 167/10-11, 112/11-12, 88/12-13, 76/13-14, 76/14-15)	200	DRF	366000	116055	1	1
74	Replacement of radiators for 200 ALCO locos @ Rs. 7.5/loco. (696/7-8, 188/8-9, 168/9-10, 168/10-11, 113/11-12, 89/12-13, 77/13-14, 77/14-15)	200	DRF	150000	133705	5264	8709
75	Replacement of electro mechanical Governor on 200 ALCO locos to microprocessor based governor @ Rs. 4.9 lacs/loco (697/7-8, 189/8-9, 114/11-12, 90/12-13, 78/13-14, 78/14-15)	200	DRF	98000	60958	19481	10000
76	Microprsr based electronic control system with re-setting VCD, Event recorder on 100 dsl. locos @ Rs. 25 lacs/loco (698/7-8, 170/10-11, 91/12-13, 79/13-14, 79/14-15)	100	CAP	242000	214600	9635	0
			EBR(IRFC)	8000	3	1	1
77	Crashworthiness of locos @ Rs. 19.5 crs. (701/7-8, 1, 171/10-11, 116/11-12, 92/12-13, 80/13-14, 80/14-15)	1	CAP	155000	102002	1	1
			DRF	40000	9800	0	0
87	16 MTA for WDG/WDM locos ex. DLW Rs. 80 lacs (716/7-8, 206/8-9, 186/10-11, 131/11-12, 107/12-13, 90/13-14, 90/14-15)	16	DRF	128000	68895	56814	1
88	3 Power pack for 4000 hp GM locos ex. DLW Rs. 140 lacs (717/7-8, 207/8-9, 187/10-11, 132/11-12, 108/12-13, 91/13-14, 91/14-15)	3	DRF	42000	22405	1	15000



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89	15 MTA for 4000 hp GM locos ex. DLW Rs. 95 lacs(718/7-8,208/8-9,188/10-11,133/11-12 109/12-13, 92/13-14, 92/14-15)	15	DRF	142500	110583	20000	2000
90	12 TG/TA for 4000 hp GM locos ex.DLW @ Rs.30 lacs(719/7-8,189/9-10,189/10-11, 134/11-12 110/12-13, 93/13-14, 93/14-15)	12	DRF	36000	35999	0	1
94	Provision of Complete power pack with TSC , Traction alternator & traction motor for 100 loco sets @ Rs. 5.6 crs/loco(723/7-8,138/11-12,114/12-13, 97/13-14, 97/14-15)	100	CAP	4020000	1694857	581670	0
			DRF	1000000	0	144648	0
			EBR(IRFC)	580000	0	0	582374
95	Conversion of 500 Nos. dual break locos to air brk. Rs.2.2 lacs/loco (Suppl.Aug.07,214/8-9,194/10-11,139/11-12,115/12-13, 98/13-14, 98/14-15)	500	DRF	52933	0	1	20000
96	Conversion of 100 DPC into dual fuel engine with CNG(corrigen.149a/7-8,215/8-9,195/10-11,140/11-12,116/12-13, 99/13-14, 99/14-15)	100	DRF	750000	221379	1	20000
56WB	Repl. of plate type lube 100 oil coolers for Dsl locos @ Rs.0.80 lakh / cooler (WB 126/7-8 15/8-9,22/10-11 34/11-12,43/12-13, 55/13-14, 61/14-15)	100	DRF	8000		8	2000
61WB	Turbo chargers for WDG/WDM locos ex. DLW (8 units)Rs.28 lacs WB131/7-8,93/8-9,107/9-10,109/10-11,125/11-12,133/12-13, 108/13-14, 115/14-15)	8	DRF	22400		7	1
60WB	TG/TA for WDG/WDM locos ex. DLW (16 Nos) Rs. 30 lacs.WB 130/7-8 104/8-9,115/9-10,117/10-11 133/11-12,141/12-13, 115/13-14, 122/14-15)	16	DRF	9000		7	1

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101	Upgradation of 15 locos at Parel/CR while rebuilding Rs.250 lacs(822/8-9,202/10-11, 147/11-12 123/12-13, 104/13-14, 104/14-15)	15	DRF	375000	0	0	375000
103	Replacement of 150 nos.co-co bogies on mainline dsl.locos Rs.14.7 lacs (824/8-9, 204/10-11,149/11-12,125/12-13, 106/13-14, 106/14-15)	150	DRF	220500	25005	1	1
104	Provision of crew friendly cab for 500 dsl.locos Rs.4 lacs each (825/8-9,205/10-11,150/11-12 126/12-13, 107/13-14, 107/14-15)	500	CAP	180000	31650	1344	0
			EBR(IRFC)	20000	0	0	20000
105	Provision of radial bogies and acquiring technology for 25 dsl. Locos Rs.1.6 crs. each (827/8-9,207/10-11,152/11-12 128/12-13, 109/13-14, 109/14-15)	25	CAP	361999	7533	1	0
			DRF	10000	2000	0	0
			EBR(IRFC)	20000	0	0	20000
106	Provision of 50 nos. BG engine blocks Rs.25 lacs(828/8-9,208/10-11,153/11-12,129/12-13, 110/13-14, 110/14-15)	50	DRF	125000	59066	65933	1
107	Provision of remote monitoring on 100 dsl.locos Rs.20 lacs each (829/8-9,209/10-11,154/11-12 130/12-13, 111/13-14, 111/14-15)	100	CAP	190000	50001	1	0
			EBR(IRFC)	10000	0	0	10000
108	300 Nos. TM for ALCO dsl.locos Rs.20 lacs (831/8-9,211/10-11,156/11-12,132/12-13, 113/13-14, 113/14-15)	300	DRF	600000	115480	1	20000
109	Conversion of 500 locos from dual brk.to air brk.locomotives Rs.3.2 lacs/loco (832/8-9, 212/10-11,157/11-12,133/12-13, 114/13-14, 114/14-15)	500	DRF	160000	57574	1	10000
110	Retrofitment of microprocessor with VCD and event recorder on 200 dsl.loco Rs.30 lacs/loco (834/8-9,214/10-11,159/11-12 135/12-13, 116/13-14, 116/14-15)	200	DRF	600000	394815	19485	20000
111	Provision of 100 BG Crankshaft Rs.17.5 lacs/each (836/8-9,216/10-11,161/11-12,137/12-13, 118/13-14, 118/14-15)	100	DRF	175000	120000	1	1
112	Provision of loco guard in 200 locos Rs.1.3 lacs/ (837/8-9,217/10-11,162/11-12,138/12-13, 119/13-14, 119/14-15)	200	CAP	25900	18926	6973	1
			EBR(IRFC)	100	0	0	0
113	Technological upgradation of safety equipment on 200 dsl.locos Rs.36 lacs/loco (838/8-9,218/10-11,163/11-12,139/12-13, 120/13-14, 120/14-15)	200	DRF	720000	6	1	1
114	Modif. of axle bearing on 200 dsl.locos Rs.7.6 lacs/ (839/8-9,219/10-11,164/11-12,140/12-13, 121/13-14, 121/14-15)	200	DRF	152000	6	1	1
115	5 Nos. NG Rail cars Rs.1.1 crs (840/8-9, 220/10-11,165/11-12,141/12-13, 122/13-14, 123/14-15)	5	DRF	55000	5000	0	30000
116	Provision of centrifuses on 600 dsl. locos & DEMUs Rs.0.50 lacs/loco (841/8-9,221/10-11,166/11-12,142/12-13, 123/13-14, 123/14-15)	600	CAP	10602	1500	0	0
			EBR(IRFC)	19398	0	1307	5000
117	200 Nos. triplate panel mounted system on 200 dsl.locos Rs. 5 lacs (842/8-9,222/10-11,167/11-12,143/12-13, 124/13-14, 124/14-15)	200	DRF	100000	32981	1	20000
129	One time spares for steam locos Rs.4.76 crs.(854/8-9,234/10-11,179/11-12,155/12-13, 136/13-14, 136/14-15)	1	DRF	47600	16640	1	1
130	Restoration of 12 BG,5MG & 1NG loco at the cost of 8.3 crs. (855/8-9,235/10-11,180/11-12 156/12-13, 137/13-14, 137/14-15)	18	DRF	83000	20005	1	20000
131	Manufacture of 2 MG & 4 NG locos at the cost of Rs.24 cr. (856/8-9,236/10-11,181/11-12,157/12-13, 138/13-14, 138/14-15)	6	DRF	240000	32000	11602	20000
132	1000 nos. HHP IGBT dsl. Locos -import/ new facility Rs. 14 cr. Each (857/8-9, 237/10-11, 182/11-12, 158/12-13, 139/13-14, 139/14-15)	1000	CAP	140000000	3	1	1
145	62 Wheelsets Rs.5.5 lacs (872/8-9,252/10-11,197/11-12,173/12-13, 152/13-14, 152/14-15)	62	DRF	34100	2005	1	20000
146	62 TM Rs.27.5 lacs (873/8-9,253/10-11, 198/11-12,174/12-13, 153/13-14, 153/14-15)	62	DRF	170500	10430	1	30000
147	TCC 3 loco sets Rs. 250 lacs (874/8-9,254/10-11,199/11-12,175/12-13, 154/13-14, 154/14-15)	3	DRF	75000	37499	37500	1
149	7 ECC-1(G4) Rs.53 lacs (876/8-9,256/10-11,201/11-12,177/12-13, 156/13-14, 156/14-15)	7	DRF	37100	6	1	1

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150	Repl of electro mechanical gov of ALCO loco to microprocessor based governor (500 Nos) (Sup.92/8-9, 257/10-11,202/11-12,178/12-13, 157/13-14, 157/14-15)	500	DRF	300000	228602	1500	30000
151	Force cooled roof mounted dynamic braking resistors (160 Nos) (Suppl 93/8-9, 258/10-11, 203/11-12,179/12-13, 158/13-14, 158/14-15)	160	DRF	256000	20000	1	30000
152	Conversion of roof mounted type radiators into side mounted radiators fitted on 700 hp (18 Nos) (Suppl 94/8-9,259/10-11,204/11-12,180/12-13, 159/13-14, 159/14-15)	18	DRF	38700	5	1	1
1024	Capital spares for DMUs power pack. alternator, motorised truck 962/8-9,1000/10-11,911/11-12,958/12-13,1006/13-14, 1018/14-15)	1	CAP	75001	75001	0	0
			EBR(IRFC)	118599	9730	1	5000
74WB	7 Air brk. Pneumatic v/v & CRU Cards Rs.23lacs WB(158/8-9, 122/9-10, 140/12-13, 119/13-14, 127/14-15)	7	DRF	16100		6	1
75WB	7 Traction motor blower with motor Rs. 7 lacs 159/8-9,123/9-10,125/10-11 141/11-12,149/12-13, 120/13-14, 128/14-15)	7	DRF	4900		6	1
76WB	7 radiator fan with motor Rs.7.5 lacs 160/8-9, 124/9-10,126/10-11 142/11-12,150/12-13, 121/13-14, 129/14-15)	7	DRF	5250		0	1
77WB	7 air compressor Rs.5.2 lacs 161/8-9,125/9-10,127/10-11,143/11-12,151/12-13, 122/13-14, 130/14-15)	7	DRF	3640		6	1
78WB	7 radiator assembly Rs.16.9 lacs 162/8-9, 126/9-10,128/10-11,144/11-12,152/12-13, 123/13-14, 131/14-15)	7	DRF	11830		6	1
79WB	7 Governor Assly. Rs.6.2 lacs 163/8-9,127/9-10,129/10-11,145/11-12,153/12-13, 124/13-14, 132/14-15)	7	DRF	4340		0	1
80WB	7 Turbo clutch Rs.5.2 lacs 164/8-9,128/9-10,130/10-11 146/11-12,154/12-13, 125/13-14, 133/14-15)	7	DRF	3640		6	1
81WB	7 Governor Rs.6.2 lacs 165/8-9,129/9-10, 131/10-11 147/11-12 155/12-13, 126/13-14, 134/14-15)	7	DRF	4340		0	1
82WB	7 Lube oil cooler Rs.4.4 lacs166/8-9,130/9-10, 132/10-11,148/11-12,156/12-13, 127/13-14, 135/14-15)	7	DRF	3080		0	1
154WB	1 Turbo Charger for WDM3C Diesel locos Ex.DLW @Rs.24 lakhs 115/8-9,135/9-10,158/10-11,181/11-12,184/12-13, 143/13-14, 151/14-15)	1	CAP	2000		0	
			EBR(IRFC)	400			1
153WB	1 TG/TA for WDM3C Diesel Locos Ex.DLW @ Rs.26 lakhs 117/8-9, 137/9-10,WB160/10-11,183/11-12,186/12-13, 145/13-14, 153/14-15)	1	CAP	2000		0	
			EBR(IRFC)	600			1
158WB	7 Aux. generator Rs.2.5 lacs 168/8-9, 138/9-10, WB161/10-11 184/11-12,187/12-13, 146/13-14, 154/14-15)	7	DRF	1750		6	1
159WB	7 TCC electronic blower with motor Rs.2.5 lacs 169/8-9, 139/9-10,WB162/10-11 185/11-12,188/12-13, 147/13-14, 155/14-15)	7	DRF	1750		6	1
160WB	7 Dustbin blower with motor Rs.2.5 lac 170/8-9,140/9-10,WB163/10-11 186/11-12,189/12-13, 148/13-14, 156/14-15)	7	DRF	1750		6	1
161WB	7 DB grid fan with motor Rs.4.2 lacs 171/8-9,141/9-10,WB164/10-11,187/11-12,190/12-13, 149/13-14, 157/14-15)	7	DRF	2940		6	1
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159	Repl of co-co bogies on mainline diesel locos (150 Nos), Rs.16 lakh /bogie(938/9-10,271/10-11,215/11-12,190/12-13, 168/13-14, 168/14-15)	150	DRF	240000	5	1	1
160	Broad gauge engine blocks (50 Nos), Rs.22.5 lakh each (940/9-10, 273/10-11,217/11-12,192/12-13, 170/13-14, 170/14-15)	50	DRF	112500	65818	1	1
161	Capital spares for DMU powerpack alternators, motorised truck assembly & traction motors (941/9-10, 274/10-11,218/11-12,193/12-13, 171/13-14, 171/14-15)	1	CAP	60001	60001	0	0
			EBR(IRFC)	170407	146511	23894	1
162	Repl of plate type lube oil cooler for diesel locos (200 Nos), Rs.1.4 lakh each(942/9-10, 275/10-11,219/11-12,194/12-13, 172/13-14, 172/14-15)	200	DRF	28000	12514	6581	1
163	Traction motors for Alco diesel locos (150 Nos), Rs.19 lakh each(943/9-10,276/10-11, 220/11-12 195/12-13, 173/13-14, 173/14-15)	150	DRF	285000	5	1	50000
164	Conversion from dual brake to air brake (200 locos), Rs.4 lakh each(944/9-10, 277/10-11, 221/11-12,196/12-13, 174/13-14, 174/14-15)	200	DRF	80000	22479	1	1
165	Repl of electro mechanical governor to micro processor based governor (200 Alco locos), Rs.6 lakh each(946/9-10,279/10-11,223/11-12,198/12-13, 176/13-14, 176/14-15)	200	DRF	120000	50945	43902	20000
166	Retrofitment of microprocessor with VCD and event recorder (200 diesel locos), Rs 32 lakh each(947/9-10,280/10-11,224/11-12,199/12-13, 177/13-14, 177/14-15)	200	DRF	640000	460000	19505	30000
167	Triplate panel mounted system on diesel locos (200 Nos), Rs.5 lakh each(949/9-10, 282/10-11,226/11-12,201/12-13, 179/13-14, 179/14-15)	200	DRF	100000	75971	1	10000
168	Set of AC motor for dust exhauster blower motor, crankcase exhauster motor and fuel pump motor (400 locos), Rs.1.7 lakh (950/9-10, 227/11-12,202/12-13, 180/13-14, 180/14-15)	400	CAP	64999	63708	1290	1
169	Inertial air filter for diesel locos (400 Nos). Rs.2.6 lakh (951/9-10,284/10-11,228/11-12,203/12-13, 181/13-14, 181/14-15)	400	CAP	104000	2	1	1
170	Self cleaning lube oil filter (300 Nos), Rs. 4 lakh(952/9-10,285/10-11,229/11-12,204/12-13, 182/13-14, 182/14-15)	300	DRF	120000	91949	1	1
171	Unit exchange spares for GM locos (100 Nos)(953/9-10,286/10-11,230/11-12,205/12-13, 183/13-14, 183/14-15)	1	DRF	1268300	109470	34522	1
172	Traction motors for AC diesel locomotives (60 Nos), Rs.30 lakh(955/9-10,288/10-11,232/11-12,207/12-13, 184/13-14, 184/14-15)	60	CAP	180000	172050	7947	1



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173	Computer / electro pneumatic brake system (50 locos), Rs.18 lakh(956/9-10,289/10-11,233/11-12,208/12-13, 185/13-14, 185/14-15)	50	DRF	90000	89999	0	1
176	Air Spring Bogies on DEMUs (50 Nos.), Rs11 lakh each (959/9-10, 292/10-11, 236/11-12, 211/12-13, 188/13-14, 188/14-15)	50	DRF	55000	5	1	1
203	Wheelsets (62 Nos), Rs.5.5 lakh each(987/9-10,320/10-11,264/11-12,238/12-13, 215/13-14, 215/14-15)	62	DRF	34100	8640	1	10000
204	TCC 3 loco set, Rs.250 lakh each (989/9-10, 322/10-11,266/11-12,240/12-13 216/13-14, 216/14-15)	3	DRF	75000	47653	27346	1
206	ECC-1 (7 Nos), Rs. 53 lakh each(991/9-10, 324/10-11,268/11-12,242/12-13, 218/13-14, 218/14-15)	7	DRF	37100	5	1	1
83WB	Provision of LCD displac alongwith modified controled stand on 50 loco Rs.3.5lacs WB(177/9-10, 128/13-14,136/14-15)	50	CAP	10000		1	0
			EBR(IRFC)	7500			1
92WB	7 Air compressor Rs. 5.2 lac(196/9-10, WB147/10-11 163/11-12,170/12-13, 135/13-14, 143/14-15)	7	DRF	3640		0	1
93WB	7 Governor Rs.6.2 lacs each(200/9-10, WB151/10-11 167/11-12,172/12-13, 136/13-14, 144/14-15)	7	DRF	4340		5	1
163WB	7 DB grid fan with motor Rs. 4.2 lacs(195/9-10,166/10-11 189/11-12,192/12-13, 150/13-14, 158/14-15)	7	DRF	2940		5	1

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211	Conversion of 20 YDM for locos to WDS6 Rs.2.1 crs.(1078/10-11,274/11-12,248/12-13, 225/13-14, 225/14-15)	20	DRF	420000	419999	0	1
212	Loco distributed power systems on 50 locos @ Rs. 20 lakhs(sup.Aug'10 82/10-11,273/11-12,247/12-13, 223/13-14, 223/14-15)	50	CAP	100000	99998	1	1
213	Modified cab design for EMD locos @ Rs.6.5 lakhs - 90 Nos(supl.Aug.10 83/10-11,276/11-12 250/12-13, 226/13-14, 226/14-15)	90	DRF	58500	27251	26249	5000
214	Turbo super charger for EMD locos @ Rs.60 lakhs - 50 Nos(supl.Aug'10 84/10-11,278/11-12,252/12-13, 227/13-14, 227/14-15)	50	CAP	200000	96120	1	1
			DRF	100000	9845	0	0
217	Provision of stand alone vigilance control device on 800 diesel locomotives @ Rs.65000 each (supl. Aug'10, 86/10-11,282/11-12, 256/12-13, 231/13-14, 231/14-15)	800	EBR(IRFC)	45000	402	1	1
221	Provision of 50 Nos. BG engine block Rs.35 lacs/EB(1089/10-11,290/11-12,264/12-13, 239/13-14, 239/14-15)	50	DRF	175000	84291	10708	40000
222	Capital spares for DMUs power pack alternator, Motorised truck assly & TM(1090/10-11,291/11-12,265/12-13, 240/13-14, 240/14-15)	1	CAP	353500	32001	1990	1
223	Retrofitment of micro processor with VCD and Event recorder on 800 dsl loco Rs.32.5 lacs/loco(1092/10-11,293/11-12,267/12-13, 242/13-14, 242/14-15)	800	DRF	2600000	1060000	601200	200000
224	Replacemnt of Electro Mech Governer of 400 ALCO loco to Microprocessor based Governer Rs.6.5 lacs/(1093/10-11,294/11-12,268/12-13, 243/13-14, 243/14-15)	400	DRF	260000	131734	50300	30000
225	Devlpmnt of gas turbine operated loco for IR Rs.19.3 cr(1096/10-11,297/11-12,271/12-13, 246/13-14, 246/14-15)	1	CAP	193000	12000	5300	1
226	Unit exchange spares for GM locos(1097/10-11,298/11-12,272/12-13, 247/13-14, 247/14-15)	1	CAP	751704	19501	1	1
227	Replacement of power pack in 25 locos Rs.1.2 cr(1098/10-11,299/11-12,273/12-13, 248/13-14, 248/14-15)	25	DRF	300000	217007	1	30000
228	100 TM for AC- AC dsl loco Rs.30 lacs(1100/10-11,300/11-12,274/12-13, 274/14-15)	100	DRF	300000	215000	1	1
229	Provn of 50 BG crankshaft Rs.17 lacs(1101/10-11,301/11-12,275/12-13, 250/13-14, 250/14-15)	50	DRF	85000	8100	5194	20000
231	50 loco distributed power system Rs.20 lacs(1103/10-11,303/11-12,277/12-13, 252/13-14, 252/14-15)	50	EBR(IRFC)	100000	70000	1	1
232	100 Auxilary machines Rs.5 lacs(1104/10-11, 304/11-12,278/12-13, 253/13-14, 283/14-15)	100	DRF	50000	4	1	1
233	Procurement of 200 eddy current clutch Rs.4 lacs(1105/10-11,305/11-12,279/12-13, 254/13-14, 254/14-15)	200	DRF	80000	3116	1	1
234	400 intelgent low idle (eqpmnt for inferior & shunting dsl/elec loco ) Rs. .70 lac(1106/10-11,306/11-12, 280/12-13, 255/13-14, 255/14-15)	400	DRF	28000	25785	2214	1
235	300 LED based destination board for DEMU Rs.1.11 lacs(1107/10-11,307/11-12,281/12-13, 256/13-14, 256/14-15)	300	CAP	33300	20001	5000	1
236	100 self cleaning lub oil filters Rs.4 lacs(1110/10-11, 308/11-12,282/12-13, 257/13-14, 257/14-15)	100	DRF	40000	4	1	1
237	Flange lubricator for 50 dsl locos Rs. 8 lacs(1111/10-11,309/11-12,283/12-13, 258/13-14, 258/14-15)	50	DRF	40000	19063	5265	10000
238	Air conditioning equipment for cab of 50 dsl loco Rs.12 lac (1112/10-11,310/11-12,284/12-13, 259/13-14, 259/14-15)	50	CAP	28000	2	1	0
			DRF	30000	0	1060	0
			EBR(IRFC)	2000	0	0	2000
270	40 TM Rs. 27.5 lakhs(1144/10-11,342/11-12,316/12-13, 291/13-14, 291/14-15)	40	DRF	110000	4	1	1
271	TCC 2 loco sets Rs. 250 lakhs(1145/10-11, 343/11-12,317/12-13, 292/13-14, 292/14-15)	2	DRF	50000	29999	20000	1
272	5 ECC-1 (G4) Rs 53 lakhs(1146/10-11,344/11-12,318/12-13, 293/13-14, 293/14-15)	5	DRF	26500	4	1708	1
876	Modified bogie for WDP3A locos @ Rs.15 lakhs - 60 Nos(supl.Aug'10,90/10-11,780/11-12,811/12-13,851/13-14, 865/14-15)	60	DRF	90000	103	2065	1
1041	Unit exchange spares for DMUs Rs.4.2 Crs.(1099/10-11,939/11-12,985/12-13,1033/13-14, 1041/14-15)	1	EBR(IRFC)	42000	3	1	1
104WB	3 Governor assembly Rs. 6.2 lakhs WB 211/10-11, 1/13-14, 1/14-15)	3	DRF	3100		0	1



PB/GB/WB Book of AW Item No. (15-16)	Description	Qty.	Allocation	Anticipated cost	Exp. at the end of mar'2014	Outlay expected to end of 2014-15	Outlay proposed for 2015-16
105WB	GOLD(guidance for optimized loco Driving) for 20 locos Rs. 5.5 lacs WB 230a/10-11,247/11-12, 2/13-14, 2/14-15)	20	CAP	10000		1	0
			EBR(IRFC)	1000		0	1
94WB	Vigilance control device for 500 dsl locos Rs.40000 per locos(WB203/10-11 4/11-12,5/12-13, 8/13-14, 9/14-15)	500	DRF	20000		0	1
95WB	Vigilance Control Device for 500 dsl loco Rs.40000/- per loco(1108/10-11 WB 48/11-12,57/12-13, 65/13-14, 71/14-15)	500	DRF	20000		3100	1
96WB	Set of AC motors for dust exhauster blower motor crankcase motor & fuel pump motor on 100 locos Rs.1.7 lacs(1109/10-11 WB49/11-12,58/12-13, 66/13-14, 72/14-15)	100	DRF	17000		4433	1
97WB	Provn of ACES with APU for 20 ALCO locos Rs.10 lacs(WB215/10-11 50/11-12,59/12-13, 67/13-14, 73/14-15)	20	DRF	20000		0	1
98WB	Provision of VCD on 300 ALCO locos Rs.4000/-(WB216/10-11 51/11-12,60/12-13, 68/13-14, 74/14-15)	300	DRF	12000		0	1
164WB	5 DB grid fan with Motor Rs. 4.2 lacs (WB220/10-11 172/11-12,176/12-13, 137/13-14, 145/14-15)	5	DRF	2100		4	1
<b>RSP Santion Year 20011-12</b>							
278	Provision of Automatic Engine Start APU (ACES) for 50 ALCO locos Rs.20 lacs (1030/11-12, 328/12-13, 303/13-14, 303/14-15)	50	EBR(IRFC)	100000	21223	5000	1
279	Conversion of 20 Nos. YDM4/WDM2 to WDS6 Rs. 2.1 Cr.(1031/11-12,329/12-13, 304/13-14, 304/14-15)	20	CAP	400000	321879	78121	0
			EBR(IRFC)	20000	0	0	20000
280	Electronic fuel injections for 100 locos Rs.32.94 lacs(1032/11-12,330/12-13, 305/13-14, 305/14-15)	100	CAP	349400	164700	0	0
			DRF	80000	6789	0	0
			EBR(IRFC)	229400	3	1	20001
281	Modification of traction motors with roller suspension bearings for 120 TM Rs.15 lacs(1033/11-12,331/12-13, 306/13-14, 306/14-15)	120	DRF	180000	0	1	80000
282	Remote Monitoring of 600 locomotives Rs.5.12 lacs(1034/11-12,332/12-13, 307/13-14, 307/14-15)	600	CAP	237200	107782	104967	0
			EBR(IRFC)	70000	0	0	70000
283	Triplate Panel for 100 diesel locos Rs.4.05 lacs(1035/11-12,333/12-13, 308/13-14, 308/14-15)	100	DRF	40500	21040	9400	10000
284	Common Rail Direct injection (CRDI) for 50 locos Rs.8.77 lacs(1036/11-12,334/12-13, 309/13-14, 309/14-15)	50	EBR(IRFC)	43850	0	1	1
285	New Generation Power Pack for 50 locos Rs.2.115 Crs.(1037/11-12,335/12-13, 310/13-14, 310/14-15)	50	CAP	1057500	31402	1	1
286	Power pack without alternator for 20 locos Rs.1.2 Cr.(1038/11-12,336/12-13, 311/13-14, 311/14-15)	20	CAP	240000	230369	9630	1
287	Distributed Power System for 300 locos Rs. 20 lacs(1039/11-12,337/12-13, 312/13-14, 312/14-15)	300	CAP	550000	467173	10	0
			EBR(IRFC)	50000	0	1	20001
288	Development of New Design bogie for EMD locos-4 sets(1041/11-12,339/12-13, 314/13-14, 314/14-15)	4	CAP	75000	27000	1	1
289	Motorized Truck Assembly for diesel locos WDM3D-10 Nos. & WDG4-6 Nos. Rs.55 lacs and Rs.79 lacs(1042/11-12,340/12-13,315/13-14, 315/14-15)	16	CAP	22400	22399	0	0
			DRF	80000	0	0	20000
290	Air conditioning equipment for cabs-100 locos Rs.12 lacs(1043/11-12,341/12-13, 316/13-14, 316/14-15)	100	DRF	50000	0	0	0
			EBR(IRFC)	70000	0	1	1
291	Repowerpacking of 5 WDM locos for shunting Rs.65 lacs(1044/11-12,342/12-13, 317/13-14, 317/14-15)	5	CAP	27500	21000	3000	0
			EBR(IRFC)	5000	0	0	5000
106WB	300 Intelligent low idle Equipment for non-micro diesel electric locomotice Rs070 lacs WB(233/11-12,2/12-13, 3/13-14, 3/14-15)	300	CAP	10000		1473	
			EBR(IRFC)	11000		0	5000
107WB	Plate type lube oil coolers for 3100 hp engines 100 lube oil coolers Rs.1.4 lacs WB(235/11-12, 7/12-13, 9/13-14, 10/14-15)	100	DRF	13950		0	5000
			EBR(IRFC)	50		1	0
108WB	Upgraded compressor (Oil free compressor)-50 Nos.Rs.3 lacs approx. WB(236/11-12,8/12-13, 10/13-14, 11/14-15)	50	DRF	15000		0	5000
109WB	Turbo super charger for 20 WDS6 shunting locos Rs.4.60 lacs WB(237/11-12,9/12-13, 11/13-14, 12/14-15)	20	DRF	9200		0	1
110WB	Procurement of new Boiler for Fairy Queen WB(238/11-12,10/12-13, 12/13-14, 13/14-15)	1	DRF	4300		3	1
218WB	Unit Exchange spares for DMUs WB(245/11-12, 196/13-14, 204/14-15)	1	BOND	24000		3	1
219WB	Provision of air dryer on DEMU 100 nos. Rs1.3 lacs WB(246/11-12, 197/13-14, 205/14-15)	100	BOND	13000		3	1
<b>RSP Santion Year 2012-13</b>							
320	Retrofitment of 15 ALCO locos with high efficiency Turbocharger (Miller Timing) at DMW Patiala Rs.20 lacs(1090/12-13, 347/13-14, 348/14-15)	15	DRF	30000	2001	1	10000
321	Conversion of 20 YDM4/WDM2 to WDS6 loco Rs. 2.1 cr.(1092/12-13, 349/13-14, 350/14-15)	20	CAP	320000	2	50000	0
			EBR(IRFC)	100000	0	0	100000
322	5 Nos. Multi gen set loco Rs.8.2 cr.(1093/12-13, 350/13-14, 351/14-15)	5	DRF	410000	2001	267124	140000
323	Fitment of guidance for optimized locomotive driving technique units 1000 Nos. Rs.5.5 lacs(1094/12-13, 351/13-14, 352/14-15)	1000	CAP	550000	1001	1	1
324	Fuel level sensor for measuring fuel on 500 locos Rs.1.5 lacs(1095/12-13, 352/13-14, 353/14-15)	500	CAP	70000	2919	8000	0
			EBR(IRFC)	5000	0	0	5000
325	Provision of 100 BG engine blocks Rs.46.53 lacs(1096/12-13, 353/13-14, 354/14-15)	100	CAP	275000	0	20000	0
			DRF	300	0	0	0
			EBR(IRFC)	190000	0	0	190000



PB/GB/WB Book of AW Item No. (15-16)	Description	Qty.	Allocation	Anticipated cost	Exp. at the end of mar'2014	Outlay expected to end of 2014-15	Outlay proposed for 2015-16
326	Remote Monitoring of 600 locos Rs.5.12 lacs(1097/12-13, 354/13-14, 355/14-15)	600	CAP	287200	19457	50000	0
			EBR(IRFC)	20000	0	0	20000
327	Conversion of 20 ALCO locos to CRDI system during rebuilding Rs.40 lacs(1098/12-13, 355/13-14, 356/14-15)	20	CAP	10000	2	1	0
			DRF	70000	2250	0	40000
328	60 Traction motors AC-AC dsl. locos Rs.25 lacs for WDP4(1099/12-13, 356/13-14, 357/14-15)	60	CAP	150000	29194	91254	1
329	15 Nos. Alternator for HHP locos Rs.88 lacs(1100/12-13, 357/13-14, 358/14-15)	15	CAP	121000	120000	1	1
			DRF	11000	0	0	0
330	Provision of computer controlled brake system/electro pneumatic brake system on 30 locos Rs.18 lacs(1101/12-13, 358/13-14, 359/14-15)	30	DRF	54000	13501	1	5000
331	Air conditioning equipment for cabs in 100 locos Rs.8 lacs(1102/12-13, 359/13-14, 360/14-15)	100	CAP	40000	0	1	0
			DRF	10000	1230	0	0
			EBR(IRFC)	30000	0	0	30000
332	Provision of 40 BG Engine crank case Rs.93 lacs(1103/12-13, 360/13-14, 361/14-15)	40	CAP	2000	2	1	0
			DRF	50000	5406	42771	0
			EBR(IRFC)	320000	0	0	320000
333	Refurbishing of 30 WDP1 locos Rs.108.8 lacs(1104/12-13, 361/13-14, 362/14-15)	30	DRF	326500	2	5000	1
334	2 hybrid locos Rs.10 cr.(1105/12-13, 362/13-14, 363/14-15) (multigen set)	2	CAP	200000	9729	25660	1
364	20 Traction Motor Rs.27.5 lacs for HHP (1135/12-13,392/13-14, 393/14-15)	20	CAP	55000	2	1	1
366	4 Main Alternator Rs.87.96 lacs(1137/12-13, 394/13-14, 395/14-15)	4	CAP	35184	2	1	1
367	2 Complete Power Pack Rs.306 lacs(1138/12-13, 395/13-14, 396/14-15)	2	CAP	61200	2	5000	1
1058	Provision of capital spares for DMUs Rs.14 crs.(1171/12-13, 1052/13-14, 1058/14-15)	1	CAP	140000	139999	0	1
116WB	10 Nos. oil free compressors Rs.20 lacs WB(240/12-13, 4/13-14, 4/14-15)	10	CAP	10000		0	0
			EBR(IRFC)	10000			10000
119WB	5 Nos. NG locos for KVR section Rs.22.2 lacs WB(241/12-13, 5/13-14, 5/14-15)	5	DRF	11100		2	7509
117WB	VCDs on 282 nos. locos Rs.65000/- per locos(242/12-13, 14/13-14, 15/14-15)	282	CAP	13330		0	0
			EBR(IRFC)	5000			5000
118WB	User settable parameters for 50 locos Rs.4.41 lacs(243/12-13, 15/13-14, 16/14-15)	50	CAP	17050		2	0
			EBR(IRFC)	5000			5000
135WB	"Design and development of an Integrated Locomotive Driver Warning System for preventing Elephant Collisions(Phase-1)" (192(b)/12-13, 16/13-14, 17/14-15)	1	DF(1)	10000		1	1
131WB	4 Radiator fan with motor Rs. 7.5 lacs WB(255/12-13, 48/13-14, 51/14-15)	4	CAP	2500		2	0
			EBR(IRFC)	500			1
132WB	4 Radiator Assembly Rs.16.9 lacs WB(256/12-13, 49/13-14, 52/14-15)	4	CAP	6000		2	0
			EBR(IRFC)	760			1
133WB	3 Turbos for EMD locos Rs.50 lacs WB(257/12-13, 50/13-14, 53/14-15)	3	CAP	5000		2	0
			EBR(IRFC)	10000			10000
<b>RSP Santion Year 2013-14</b>							
368	2 Nos. HHP dsl Loco (6000 HP) ex DLW Rs.1600 lacs (1146/13-14, 397/14-15)	2	EBR(IRFC)	320000	0	0	320000
370	5 Nos. Multigen set loco Rs.8.2 cr. (1148/13-14, 399/14-15)	5	EBR(IRFC)	410000	1	1	90000
374	Conversion of 1500 oil type filter to paper type filter Rs.30000/- (1152/13-14, 403/14-15)	1500	DRF	45000	2711	32286	10000
375	Power assembly set(Fork rodtype+Blade rod type) for 300 locos Rs.3lacs (1153/13-14, 404/14-15)	300	CAP	10000	0	1	0
			DRF	50000	0	0	0
			EBR(IRFC)	30000	0	0	30000
376	10 Turbo super charger for HHP locos Rs.75 lacs (1154/13-14, 405/14-15)	10	DRF	75000	1	70217	2000
377	Lub oil cooler for 50 HHP locos Rs.6.52 lacs (1155/13-14, 406/14-15)	50	CAP	12600	0	1	0
			DRF	10000	0	5677	0
			EBR(IRFC)	10000	0	0	10000
378	Wheel set with bull gear for 60 WDP4/WDG4 locos Rs.73 lacs (1156/13-14, 407/14-15)	60	CAP	43800	0	1583	0
			EBR(IRFC)	1000	0	0	1000
379	1000 Nos. cab heaters Rs.75000/- (1157/13-14, 408/14-15)	1000	CAP	55000	0	16381	0
			EBR(IRFC)	20000	0	0	20000
380	500 motorised wheelset assembly Rs.20 lacs (1158/13-14, 409/14-15)	500	DRF	1000000	899999	100000	1

PB/GB/WB Book of AW Item No. (15-16)	Description	Qty.	Allocation	Anticipated cost	Exp. at the end of mar'2014	Outlay expected to end of 2014-15	Outlay proposed for 2015-16
381	Conversion of 20 D-E ALCO locomotive to dual fuel mode with LNG as the substitute fuel Rs.5.26 cr. (1159/13-14, 410/14-15)	20	CAP	1052000	0	1	1
382	20 nos.MTA for WDG4 locomotives Rs.151.43 lacs and 10 MTA for WDP4 locomotives Rs.126.46 lacs (1160/13-14, 411/14-15)	20+10	CAP	160000	0	79290	0
			DRF	269320	0	260000	0
			EBR(IRFC)	50000	0	0	50000
383	10 MG engine block Rs.69.23 lacs (1163/13-14, 414/14-15)	10	DRF	69230	1	36644	20000
1079	Midlife rehabilitation of DMU stock Rs.1 cr.-6 DPC (1227/13-14, 1084/14-15)	6	DRF	60000	1	2530	20000
1080	Design & supply of bogie for DEMU on LHB shell alongwith complete set of electrics Rs.33 cr. per set-1 sets (1228/13-14, 1085/14-15)	1	CAP	160000	1	1	0
			EBR(IRFC)	170000	0	0	170000
136WB	Turo Clutch assembly for 100 nos. HHP Rs.1.66 lacs (203/13-14, 6/14-15)	100	CAP	14322		14322	0
			EBR(IRFC)	2278		0	2278
141WB	Design & development of a integrated loco Driver Warning systems for preventing Elephant Collision (Ph-1) WB(150a/13-14, 125/14-15)	1	DF(1)	10000		0	1

**RSP Sanction Year 2014-15**

408	16 Nos. Multigenset loco Rs.8.25 cr. (1168/14-15)	16	EBR(IRFC)	1320000	0	1	1
412	25 Turbo super charger for ALCO locos Rs.16.3 lacs (1172/14-15)	25	DRF	40750	0	9459	31291
413	1000 nos. Remote Monitoring of locomotives Rs.4.05 lacs (1173/14-15)	1000	CAP	405000	0	1	1
414	Provision of loco guard in 1000 locomotives Rs.0.8 lacs (1174/14-15)	1000	CAP	70000	0	60001	0
			EBR(IRFC)	10000	0	0	10000
415	TSC for HHP locos - 10 nos. Rs.48.75 lacs (1175/14-15)	10	DRF	48750	0	1	1
416	Turbo Clutch assembly for HHP locos - 50 nos. Rs.8.56 lacs (1176/14-15)	50	CAP	22800	0	12327	0
			EBR(IRFC)	20000	0	0	20000
417	100 Nos. upgraded air compressor Rs.4.04 lacs (1177/14-15)	100	DRF	40400	0	3001	35000
418	100 Nos. motorized wheel sets for ALCO locos Rs.17.17 lacs (1178/14-15)	100	DRF	171700	0	171699	1
419	Provision of 50 BG(Alco) engine blocks Rs.49.2 lacs (1179/14-15)	50	DRF	246000	0	146000	1
420	Unit Exchange Spares for HHP locomotives (1180/14-15)	1	CAP	267000	0	1	1
421	Provision of Automatic Engine Start APU (ACES) in 80 locomotives Rs.15 lacs (1181/14-15)	80	CAP	60000	0	1	1
			EBR(IRFC)	60000	0	0	60000
422	Microprocessor based control system Rs.33 lacs (1182/14-15)	10	DRF	33000	0	1	1
423	Provision of hotel load in 5 diesel locomotives Rs.55 lacs (1183/14-15)	5	CAP	27500	0	1	1
439	20 Nos. MTA for HHP locos (1199/14-15)	20	DRF	332000	0	235894	1
440	12 Nos. ZDM3 locos Rs.300 lacs (1200/14-15)	12	DRF	360000	0	1	70000
677	Capital Spares for DMUs(1074/11-12,666/12-13,701/13-14, 687/14-15)		EBR(IRFC)	90000	31286	1	1
749	Strengthened shells for DEMU-8 Nos. Rs.1.52 cr. (1226/14-15)	8	CAP	71600	0	5000	0
			EBR(IRFC)	50000	0	0	50000
1087	Unit exchange spares for DEMU (1252/14-15)	1	CAP	100000	0	30000	0
			EBR(IRFC)	50000	0	0	50000
145WB	25 Wheel set with bull gear for HHP loco Rs.8.4 lacs (211/14-15)	25	DRF	21000		0	15000
143WB	Conversion of 10 alco loco to Common Rail Direct Injection (CRDI) system Rs. 22 lacs (212/14-15)	10	CAP	22000		0	1
144WB	Conversion of oil type filter to paper type filter 150nos. Rs.0.3 lacs (213/14-15)	150	DRF	4500		0	4000
142WB	Unit Cam shaft for 25 loco sets Rs.7.51 lacs (218/14-15)	25	CAP	18775		18775	1

**RSP Sanction Year 2015-16**

1157	15 WDS6 locos Rs.7.47 cr. ex.DMW/DLW	15	CAP	373500	0	0	0
			DRF	373500	0	0	1
			EBR(IRFC)	373500	0	0	0
1158	ZDM3 locos-5 Nos. Rs.3 cr.	5	DRF	150000	0	0	1
1159	Provision of APU with modification kit in 500 locomotives Rs.20 lacs	500	CAP	1000000	0	0	1
1160	1000 remote monitoring of locomotives Rs.4.05 lacs	1000	CAP	405000	0	0	1
1161	Carbody Filter: Conversion of oil type filter to paper type filter in 1500 ALCO locos.Rs.30000/-	1500	DRF	45000	0	0	1
1162	Fire prevention in 1000 locos by providing thermal insulation (Loco guard) Rs.80000/-	1000	CAP	80000	0	0	1
1163	MTA for HHP locos-10 WDP4 locos Rs.1.5 cr. & 10 WDG4 locos Rs.1.6 cr.	20	DRF	310000	0	0	1
1164	Upgradated Air Compressor-500 nos. Rs.4.1 lacs	500	DRF	205000	0	0	1
1165	500 motorized wheel sets for ALCO locos Rs.17.17 lacs	500	DRF	858500	0	0	1
1166	Provision of 300 BG(Alco) engine Blocks Rs.49.27 lacs	300	DRF	1478100	0	0	1
1167	Unit exchange spares (UES) for HHP locomotives	1	CAP	558900	0	0	1
1220	Unit exchange spares for 2 sets of DEMUs Rs.6.43 cr.	1	CAP	128600	0	0	1
1221	4 Nos. Strengthened shells for DEMU Rs.1.52 cr.	4	CAP	60800	0	0	1
1222	Direct gas injected CNG/LNG engines for DEMU-10 Nos. Rs.3 cr.	10	DRF	300000	0	0	1