

ROLLING STOCK PROGRAMME

S.SRI KRISHNA

Sr.Lecturer/STC.

Rolling Stock Programme (RSP)

CONTENTS

- Introduction
- Types of RSP
- Objectives
- Bulk RSP
- IRSP
- IRSP Proposal
- IRSP Format
- Provision of Budget
- Sanction of Estimate - SOP

Rolling Stock Programme (RSP)

INTRODUCTION

Planning:

Planning involves an integrated approach for creation of infrastructure, Rolling Stock, Machinery and Plant, and human resources.

Rolling Stock Programme (RSP)

INTRODUCTION

Planning is initiated at three levels:

- a. Corporate planning is initiated in the Board:** Need for additional capacity in workshops, Production Units, running sheds, or depots or major expansion proposals and modernization needs. at the corporate level. These decisions are based on Five Year Plan projections.
- b. Zonal Planning is done at the zonal headquarters:** for meeting the requirements of the zone.
- c. Plans are also initiated at unit level:** either to replace the assets, improve quality parameters of their activity, such as reducing cycle time, or for improving reliability/working environments etc.

Rolling Stock Programme (RSP)

INTRODUCTION

Goals for Investment: All investments decisions shall be planned with the following goals.

- a. Meeting increased traffic needs
- b. Improving customer focus
- c. Improving quality and train Safety
- d. Agility - to develop capacity to deal with fluctuating production volumes and/or a broad product matrix
- e. Employee training, improved working conditions and workplace safety
- f. New Technology adoption
- g. Environmental responsibility

Rolling Stock Programme (RSP)

INTRODUCTION

Rolling Stock:

Includes Locomotives, coaching and goods stock. It also includes Cranes, Tower cars Track machines & Break down rolling stock for RSP purpose.

Programme:

A time frame/schedule with allocation of budget for procurement or Acquisition of Rolling Stock

TYPES OF RSP

- Rolling Stock Programme
(Bulk RSP/ Board RSP) – Corporate level planning
- Itemized Rolling Stock Programme (IRSP/
Zonal RSP) – Zonal level planning.

RSP - Objectives

1. Acquisition of Rolling Stock.
2. To carryout major modifications on Rolling Stock.
3. Procurement of Capital Spares/Unit Exchange spares for DEMU/MEMU/EMU stock.

Objectives are same for both Bulk RSP & Itemised RSP

RSP - Objectives

1. Acquisition of Rolling Stock

Acquisition of rolling stock is made under

- a) Replacement account
- b) Additional account

RSP - Objectives

1. Acquisition of Rolling Stock

a) Replacement Account (DRF)

- To replace over aged Rolling Stock
- To replace accident involved Rolling Stock.

RSP - Objectives

1. Acquisition of Rolling Stock

b) Additional account (CAP): Setting up of Working Groups by each Ministry. The Ministry of Railways is generally the convener of the Working Groups on—

- Freight traffic projections
- Passenger traffic projections
- Formulation of Rly Dev programme

Working groups will carry out the sectoral analysis and fix the traffic targets to determine the requirement of Locomotives, coaches and wagons

The draft plan thus prepared is taken up for detailed discussion and adjustment made depending upon the financial resources available.

RSP - Objectives

Coach Manufacturing Position:

Year	ICF	RCF	Haldia	MCF	Total
2018-19	2919	1340	30	1200	5489
2019-20	4238	1600	30	2158	8026

Loco Type	2020-21					2021-22				
	CLW	Dankuni	DLW	DMW	Total	CLW	Dankuni	DLW	DMW	Total
WAG 9	260	50	50		360	225	50			275
WAP 7	30		225	60	315	65		275	60	400
WAP 5	50				50	50				50
Total	340	50	275	60	725	340	50	275	60	725

➤ Covers additional and replacement requirement.

➤ Provision is made three years advance in case of Locomotives and two years in advance in case of coaches and wagons.

Bulk Rolling Stock Programme

PRODUCTION PROGRAMME OF COACHES PU WISE

No. 2019/M(PU)/1/12 Dt 16 .12.2019					Annexure
Revised Coach Production Programme 2019-20					
Type	ICF	RCF	MCF	HALDIA	Total
Self Propelled Units					
3PH EMU MC (Air cond.)	48	0	0	0	48
3PH EMU TC (Air cond.)	96	0	0	0	96
3PH EMU MC MUTP III (Air cond.)	0	0	0	0	0
3PH EMU TC MUTP III (Air cond.)	0	0	0	0	0
3PH EMU MC (Non Air Cond.)	72	0	0	0	72
3PH EMU TC (Non Air Cond.)	144	0	0	0	144
3PH MEMU Type trains MC	58	7	0	0	65
3PH MEMU Type trains TC	174	21	0	0	195
MEMU MC	0	102	0	0	102
MEMU TC	0	306	0	0	306
3 PH DMU DPC	2	0	0	6	8
3 PH DMU TC	10	0	0	24	34
3 PH K Metro MC	20	0	0	0	20
3 PH K Metro TC	20	0	0	0	20
8W OHE	60	0	0	0	60
Train sets coaches	16	0	0	0	16
SPART	27	0	0	0	27
TOTAL	747	436	0	30	1213
LHB (EOG)					
LWFAC	58	22	39	0	119
LWFAC Tejas	0	0	1	0	1
LFCWAC	58	24	38	0	120
LWACCW	206	59	117	0	382
LWACCW Tejas	0	0	5	0	5
LWACCN	506	130	229	0	865
LWACCN Tejas	0	0	9	0	9
LWACCN (Humsafar)	0	100	100	0	200
LWCBAC	113	63	120	0	296
LWCBAC Tejas	0	0	1	0	1
LFCZAC	4	0	0	0	4
LSCZAC	85	11	25	0	121
LFCZAC Tejas	0	0	0	0	0
LSCZAC Tejas	0	0	0	0	0
LWSCZ	301	51	91	0	443
LS (Deen Dayalu)	437	131	341	0	909
LS (Antyodya)	40	50	0	0	90
LWSCN	1192	277	762	0	2231

Bulk Rolling Stock Programme

➤ PRODUCTION PROGRAMME OF COACHES PU WISE

VP/Parcel Van/LHB	0	102	0	0	102
LWLLRM Tejas	0	0	2	0	2
LWLLRM	311	121	130	0	562
Under slung SLR (500 KVAX1)	0	10	1	0	11
Under slung SLR (750 KVAX1)	10	1	9	0	20
LSLRD without DA set	100	10	100	0	210
RA	0	2	0	0	2
AC RA	8		0	0	8
TOTAL	3429	1164	2120	0	6713
NMR Coaches	13	0	0	0	13
NRC/NON RSP	39	0	38	0	77
Vistadome coaches	10	0	0	0	10
Total Others	62	0	38	0	100
G. TOTAL	4238	1600	2158	30	8026

Estimation of Rolling Stock requirement

Annual requirements for the budgeting year shall be worked out for each type of rolling stock deriving the same as shown below:

A	No available on line during previous year	= A	5600
B	Additional requirements due to increase in traffic	= B	560
C	Reductions due to change in traffic pattern	= C	10
D	Total traffic requirements of each type of stock	= A+B-C	6150
E	No condemned or likely to be phased out in the previous year	= E	155
F	Accident damaged beyond rehabilitation	= F	5
G	Likely population on line at the beginning of the year	= A-E-F	5440
H	Provisions required in the RSP	= B-C+E+F	710

Apart from the budgeting year, requirements shall also be worked out (with a 30% error margin) for next two consecutive years for each type of Locomotive, Coach and Wagon and included in the Rolling Stock Program.

RSP - Objectives

2. To carryout major modifications on Rolling Stock:

Rly Bd identifies the modifications on existing rolling stock in consultation with Zonal railways for the following reasons

- To adopt new/ upgraded technology
- To introduce improved safety aspects
- To introduce improved passenger amenities
- To give a fresh lease of life to middle aged rolling stock.
- To change type of coach.

RSP - Objectives

3. Procurement of capital spares: Items which are not in the nature of consumable stores, but intended to accelerate repairs are identified as capital/unit exchange spares chargeable to Capital directly

DEMU/EMU/ diesel rail cars/BD cranes stock spares like

- Power packs
- Transmissions
- Axle drives
- Alternators etc.

ICF is nominated to consolidate requirement and include in the programme

Bulk Rolling Stock Programme

- Budget is presented in the parliament. After the budget is passed, the items included in the budget are construed as sanctioned.
- Sanctioned items with bulk quantities appear in the Railway Board Pink book

Pink Book

29.1.1

रेलवे बोर्ड

RAILWAY BOARD

2019-20 के लिए परिसंपत्तियों की खरीद, निर्माण और बदलाव Assets-Acquisition, Construction and Replacement for 2019-20

(Figures in thousand of Rupees)(आंकड़े हजार रु. में)

विवरण	Particulars	पूंजी Capital	पूंजी निधि CF	मूआनि DRF.	विनि DF	संनि SF	रारेसंको RRSK	जोड़ TOTAL
21 चल स्टाक	Rolling Stock	4711,90,00	..	..	3,51,00	..	870,31,24	5585,72,24
71 भंडार उचंत	Stores Suspense	..	..	..	..	..	..	..
72 निर्माण उचंत	Manufacture Suspense	..	..	..	..	..	..	..
73 विविध अग्रिम	Miscellaneous Advances	..	..	..	..	..	..	..
कुल योग	Total Gross	4711,90,00	..	..	3,51,00	..	870,31,24	5585,72,24
जमा या वसूलियां	Credits or Recoveries							
विनिर्मुक्त सामग्रियों के लिए	For Released Materials	..	..	..	..	..	24	24
कुल जमा या वसूलियां	Total - Credits or Recoveries	..	..	..	..	..	24	24
योजना परिव्यय (शुद्ध)	Plan Outlay (Net)	4711,90,00	..	..	3,51,00	..	870,31,00	5585,72,00

Pink Book

29.4.3
रेलवे बोर्ड
RAILWAY BOARD

2019-20 के लिए चल स्टाक कार्यक्रम / Rolling Stock Programme for 2019-20

(आंकड़े हजार रु. में) (Figures in thousand of Rupees)

मद सं. / Item No.	विवरण / Particulars	आवंटन / Allocation	स्वीकृत लागत / Sanctioned Cost	मार्च 2018 के अंत तक व्यय / Exp. at the end of March 2018	2018-19 के लिए संशोधित परिव्यय / Revised Outlay for 2018-19	2019-20 के लिए प्रस्तावित परिव्यय / Outlay proposed for 2019-20
	अ - निर्धारित समय पर मिलने वाले सामान	A - PROGRAMMED DELIVERIES				
20	126 अदद मेन लाइन एचएचपी डीज़ल रेल इंजन डीरेका से @ 1500 लाख रु. 121 nos. Mainline HHP Dsl Loco ex DLW @ Rs. 1500 lakhs. (1147/16-17, 23/17-18, 20/18-19)	पूंजी मूआनि	Cap. DRF	80,00,00 10,00,00	....	....
		ईबीआर(बॉण्ड)	EBR(IRFC)	1725,00,00	1254,40,00	172,30,50
21	डीरेका/डीएमडब्ल्यू से 5 ड्यूल किस्म के रेल इंजन @ 18 लाख रु. 10 Dual Mode Locomotives(5 nos. ex. CLW & 5 ex. DLW/DMW @ Rs 18 cr. (1161/16-17, 400/17-18, 21/18-19)	पूंजी ईबीआर(बॉण्ड)	Cap. EBR(IRFC)	180,00,00 179,00,00	.. ..	.. 89,25,00
22	डीएलडब्ल्यू से उच्च शक्ति हाई स्पीड 200 किलोमीटर प्रति घंटे यात्री इंजनों का विकास , 27 करोड़ रु., 10 अदद Development of High Horse Power High Speed 200 kmph Passenger Locomotives ex. DLW -10 Nos. Rs.27 cr. (1191/17-18, 22/18-19)	पूंजी मूआनि	Cap. DRF	40,00,00 30,00,00	....	....
		ईबीआर(बॉण्ड)	EBR(IRFC)	200,00,00	..	..
						1

Rolling Stock Programme

- Bulk quantities of Rolling stock is distributed among PU's. Based on this PU's
 - Finalize Production programme for succeeding year
 - Tentative Production programme for next two years
- Bulk quantities of major modifications are distributed among ZR's for execution.

RSP Works- Major Modifications

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)**

No: 2018/M(W)/814/6

New Delhi, dated: 11/04/2018

The Principal Chief Mechanical Engineers

**Eastern Railway, Kolkata
North East Railway Gorakhpur.
NW Railway, Jaipur.
SC Railway, Secunderabad
SEC Railway, Bilaspur.**

**Northern Railway New Delhi.
NF Railway Maligaon
Southern Railway Chennai
SE Railway, Kolkata.
WC Railway Jabalpur**

Sub: RSP allotments for Conversion of BG coaches into ART/ARME coaches.


The subject work has appeared under Board's RSP as P.B item no. 1228/NA/18-19, Final allotments for individual Railways are indicated below:

2018-19 Item no.	Alloc.	ER	NR	NER	NFR	NWR	SR	SCR	SER	SECR	WCR	IR
1228/NA	CAP	7	18	11	4	5	2	10	4	24	8	93

The above work should be carried out in accordance with technical instructions and guidelines issued by Railway Board and RDSO on conversion of BG coaches into ART/ARME coaches from time to time.

Railways may undertake the work immediately. Additional outlays, as and when required, may be sought at appropriate stage from Board.

Please acknowledge the receipt.


(Pranjol Chandra)
Dir.Mech.Engg.(P) I

RSP Works- Major Modifications

SN	Description	Sanc. Qty. in coaches	Completed up to March'19	Completed Till Dec-19	Balance	Remarks
	Coaching					
1	Retro-fitment of CBCs with BDG ICF coaches	179	117	17	45	Work in progress.
2	Refurbishment of coaches	490	0	0	490	Material under procurement.
3	Provision of Bio tanks in all coaches	4606	3805	746	57	Work in progress.
4	Double acting fire worthy doors in AC coaches	300	4	180	116	Work in progress.
5	Upgradation of coach toilets	330	71	17	242	Work in progress.
6	Provision of dustbins on coaches	1600	1271	187	147	Work in progress.
7	Smoke detection & suppression system in AC Coaches	650	0	0	650	<u>Centralised</u> procurement by MCF.
8	Smoke detection & suppression system in Power cars	30	0	0	30	<u>Centralised</u> procurement by MCF.
9	Smoke detection & suppression system in Pantry cars	25	0	0	25	<u>Centralised</u> procurement by MCF.
10	Fire extinguisher with anti-theft arrangement	2300	70	1107	1123	Work in progress.
11	Provision of integrated braille in coaches	4500	298	1794	2408	Work in progress.
12	Anti-graffiti coating on exterior of coaches	300	0	0	300	PO released on M/s. <u>Vibgyor</u> Paints & Chemicals Ltd. Firm yet to start work.

RSP Works- Major Modifications

13	Conversion of ART/MRV	10	6	4	0	Completed
14	Conversion of Camping coaches	33	13	3	17	Work in progress. 15 coaches given to Engg. Dept.
15	Provision of Bio vacuum toilets in LHB coaches	40	0	0	40	Indent under preparation by <u>SRly s</u> per revised <u>specn.</u> Work to be carried out in <u>Humsafar & LHB Duronto</u> coaches.
16	FIAT bogies @ 30 L Bogie	40	28	0	12	22 received by LGDS. Balance 8 to be received. 4 received by TPYS. (LWACCW-2, LWSCN - 2)
17	Assembled ICF bogies @ 3.4L/Bogie	120	0	0	120	Advised on 14.6.19. Indent under preparation.
18	Fully assembled wheel set for LHB coaches with CTRB and brake disc	46	0	0	46	Advised LGDS for fresh vetted indent to be sent to RCF instead of ICF on 24.7.19. Distribution LGDS-20, TPYS - 6.
19	Crash buffers along with anti-climbers @ 5 L	250	0	0	250	Material supply by RCF. Tender under process at RCF.
20	RSP work of split type air brake discs	68	0	0	68	Estimate under preparation.
21	Provision of Underslung water tank for LHB coaches	20	0	0	20	Estimate under preparation.

RSP Works- Major Modifications

SN	Description	Sanc. Qty. in coaches	Completed up to March'19	Completed Till Dec-19	Balance	Remarks
22	Provision of WSP system for LHB coaches	10	0	0	10	Advised <u>NRly</u> make wise break up 10.10.19.
23	Retrofitment of soft side buffers with Polymer element @ 2 L/C	150	0	0	150	<u>Centralised</u> procurement by ICF.
24	Exterior PU painting of coaches	100	0	0	100	Estimate under preparation.
25	Project Utkrisht	47	2	3	42	15 rakes to be completed by 31.03.2020.
26	Self-propelled inspection Rail Car	5	0	0	5	Supply by ICF.
27	CBC with transition coupling	20	0	0	20	<u>Centralised</u> procurement by <u>WRly</u> .
	Wagons					
1	Complete renewal of end wall, side wall and flooring of BOXN Wagons	500	50	285	165	Work in progress.
2	Rehabilitation of BOBRN wagons	400	0	0	400	LOA issued on 14.09.19. Work is likely to be started by the Contractor from last week of Dec'19.
3	Retro-fitment of Twin pipe air brake system in Freight stock	14000	239 (In house)	17	13744	Tender opened on 21.10.19. Under TCP.
4	Complete renewal of roof and body repair of BCN wagons	100	0	34	66	Work in progress.

RSP Works- Major Modifications

S No.	Description	Qty
1	Power Pack HHP	1
2	Wheel set for HHP Locos	14
3	Traction motors for HHP locos	4
4	ECC for HHP locos	2
5	APU in HHP and ALCO locos (KZI-20,GY-10,GTL-30,MLY-10)	70
6	Unit exchange spares of HHP total 27 items	1set
7	Unit exchange spares of HHP total 28 items	1set
8	TSC for HHP locos Rs.40.2 lacs. 20 nos	2
9	MTA for HHP locos Rs.1.71 crs 20 nos	1
10	Provision of complete power pack with TSC, traction alternator & traction Motors. 100 nos	1
11	Unit Exchange spares for HHP Locos 23 items	1 set
12	Motorised wheel sets for HHP locos @Rs.30 lakhs each 100 nos	P4-3 G4-3
13	Engine block-ALCO(KZI-6, GY-4, GTL-6, MLY-4 and BZA-2)	22
14	Loco Guards(KZI-22,GY-29,GTL-40,MLY-10,BZA-12)	113
15	LCD Disply along with Modified control stand	10
16	LCVR Loco Cab Video and Voice recording system	56
17	HHP Type Fuel Pump motor with pump and Mounting bracketfor ALCO	21
18	Fuel level sensors(GY-25,GTL-25,MLY-25)	75
19	APU in HHP and ALCO locos (KZI-20,GY-10,GTL-30,MLY-10)	70
20	Engine block-ALCO (KZI-6, GY-4, GTL-6, MLY-4 and BZA-2)	17
21	Replacement of power pack in 25 locos Rs.1.2 crs	1
22	Video /Audio Recording system Rs. 3 lacs. Loco Cab Video and Voice Recording system (LCVR)	240
23	Remote monitoring of locomotives for Diesel Elec Locos (REMMLOT)	130

Itemized Rolling Stock Programme

- Acquisition of Rolling stock which is not covered under Bulk RSP such as OHE Tower cars, Inspection carriages, Rail carriers, sleeper carriers etc.
- To carryout modifications/works or to procure unit exchange spares etc. as required by the ZR's.
- Proposals can be made irrespective of the cost.

Itemized Rolling Stock Programme ----

- Field units make the proposals to the HOD of their respective department through RSP portal www.railwayrsp.com.
- HOD consolidate the proposals, obtains finance concurrence of FA&CAO and forward the proposals to the mechanical department.

Note: Every item/work proposed for inclusion in IRSP shall have the finance concurrence of FA&CAO.

Itemized Rolling Stock Programme ---

- Mechanical department is the Nodal department for RSP. CWE is the nodal officer in SCR.
- CWE consolidate all the proposals, prepare the programme and submit to Rly Bd online
- All proposals from preparation stage to the execution stage are processed online

Itemized Rolling Stock Programme ---

- Proposals are submitted to Railway Board through RSP portal www.railwayrsp.com



Indian Railways Rolling Stock Programme Portal

25-February-2019

Create proposals

Assistance provided to you every step of the way. Create proposal in minutes and refine them as needed. Stay ahead of all deadlines.

Submit electronically to Board

Complete submission online and be assured that your hard work would not be lost sight of!

Track sanction and procurement status

Sanction of your items indicated to you when approval is issued from Board. Stay tuned!

Submit information about Works in Progress

Submit accurate information online and receive funds according to your actual needs.

New to RSP Portal

The RSP portal has been developed to allow easy creation and processing of Itemised and Bulk RSP proposals, procurement of Locomotives, Carriages, Wagons and Cranes by users on Indian Railways.

To start working with Itemised RSP, the user ID and password of Divisional, Workshop and HQ users of the Railways have been created.

Important

Portal is open for creation of new proposals for the year 2019-20.

Important Information

The Itemised RSP Portal will be available to all Railway users from 15th October, 2018. Please create proposals for the RSP Items online by entering your Login Id and Password below.

Please Login Here

Name:

Password:

Existing Users Only

PU Directorate

RAILWAY BOARD, RAIL BHAWAN, NEW DELHI - 110 001, INDIA
Tel. No.: 91-011-23388301

Itemized Rolling Stock Programme ---

- Rly Bd consolidate all the proposals, prioritize and include them in the budget.
- After passing the budget, the sanctioned items will appear in the SCR Pink book.
 - Items costing >2.5 crores appear as an individual item.
 - Items costing <2.5 crores appear as a Group.

Pink Book

- About Indian Railways
 - > Corporate Overview
 - > Directorates
 - > Finance (Budget)
 - > Pink Book 2017-18

- >> Pink Book 2011-12
- >> Pink Book 2012-13
- >> Demand-1 Part-1
- >> Demand-1 Part-2
- >> Previous Rail Budget Documents
- >> Demand-Book-Part-I-2013-14
- >> Demand-Book-Part-II-2013-14
- >> Pink Book Part-II 2013-14
- >> Previous Budget Speeches
- >> Revised Estimates 2013-14 (Demand No. 16)
- >> List Of Works 2014-15 (Interim)
- >> Pink Book 2014-15
- >> Plan_Regulation_Demand_No._16
- >> Spending Limit 2014-15 (D 03 to D 13)
- >> Inventories for PUs
- >> Revised_Estimate_2014-15
- >> Inventories_Open_Lines
- >> Rail Budget 2015-16

Bookmark Mail this page Print this page Select

Pink Book 2017-18

Work, Machinery and Rolling Stock Programme of Railways for 2017-18 (Detailed Programme) Ministry of Railways (Railway Board)

Central Railway	East Central Railway	Diesel Locomotive Works		
Works, Machinery & Rolling Stock Programme(RSP)	Works, Machinery & Rolling Stock Programme(RSP)	Northeast Frontier Railway		
Errata		Works, Machinery & Rolling Stock Programme(RSP)	Works, Machinery & Rolling Stock Programme(RSP)	Rail Coach Factory Rae Bareilly
Eastern Railway	East Coast Railway			Works, Machinery & Rolling Stock Programme(RSP)
Works, Machinery & Rolling Stock Programme(RSP)	Works, Machinery & Rolling Stock Programme(RSP)	Southern Railway	South Western Railway	Railway Electrification
Northern Railway	North Central Railway	Works, Machinery & Rolling Stock Programme(RSP)	Works, Machinery & Rolling Stock Programme(RSP)	Works, Machinery & Rolling Stock Programme(RSP)
Works, Machinery & Rolling Stock Programme(RSP)	Works, Machinery & Rolling Stock Programme(RSP)	South Central Railway	West Central Railway	Research, Design & Standards Organisation
North Eastern Railway	North Western Railway	Works, Machinery & Rolling Stock Programme(RSP)	Works, Machinery & Rolling Stock Programme(RSP)	Works, Machinery & Rolling Stock Programme(RSP)
Works, Machinery & Rolling Stock Programme(RSP)	Works, Machinery & Rolling Stock Programme(RSP)	South Eastern Railway	Metro Railway	Metropolitan Transport Project, Chennai
		Works, Machinery & Rolling Stock Programme(RSP)	Works, Machinery & Rolling Stock Programme(RSP)	Works, Machinery & Rolling Stock Programme(RSP)
	Western Railway	Chittaranjan Locomotive Works	Railway Board	
	Works, Machinery & Rolling Stock Programme(RSP)	Works, Machinery & Rolling Stock Programme(RSP)	Works, Machinery & Rolling Stock Programme(RSP)	
Rail Coach Factory Kapurthala	Rail Wheel Plant, Bela			
Works, Machinery & Rolling Stock Programme(RSP)	Works, Machinery & Rolling Stock Programme(RSP)			

Pink Book

दक्षिण मध्य रेलवे SOUTH CENTRAL RAILWAY

2019-20 के लिए परिसंपत्तियों की खरीद, निर्माण और बदलाव Assets-Acquisition, Construction and Replacement for 2019-20

(Figures in thousand of Rupees)(आंकड़े हजार रु. में)

विवरण	Particulars	पूजी Capital	पूजी निधि CF	मूआनि DRF.	विनि DF	संनि SF	रारिसंको RRSK	जोड़ TOTAL		
11 नई लाइनें (निर्माण)	New Lines (Construction)	283,40,12	..	..	..	200,00,00	..	483,40,12		
14 आमाम परिवर्तन	Gauge Conversion	40,00	..	..	..	..	..	40,00		
15 दोहरी लाइन बिछाना	Doubling	137,02,00	..	..	..	..	..	137,02,00		
16 यातायात सुविधाएं - यार्ड के ढांचे में परिवर्तन तथा अन्य कार्य	Traffic Facilities-Yard Remodelling & Others	40,96,83	..	20,00,00	3,50,00	..	18,65,76	83,12,59		
17 संगणकीकरण	Computerisation	5,02,00	..	12,04,65	4,65,39	..	..	21,72,04		
21 चल स्टॉक	Rolling Stock	9,87,50	..	..	1	..	21,91,07	31,78,58		
22 पट्टागत परिसंपत्तियां - पूंजी भाग का भुगतान	Leased Assets - Payment of Capital Component	647,83,76	257,16,24	..	..	..	..	905,00,00		
29 सड़क संरक्षा कार्य - समपार	33 सिगनल और दूरसंचार संबंधी कार्य	Signalling and Telecommunication		15,00	..	..	..	..	147,80,04	147,95,04
30 सड़क संरक्षा कार्य - ऊपरी/निचले पुल	36 बिजली संबंधी अन्य कार्य - कर्षण वितरण के अतिरिक्त	Other Electrical Works excl TRD		1,00,00	..	2,47,90	4,68,63	..	50,00	8,66,53
31 रेलपथ नवीकरण	37 कर्षण वितरण संबंधी कार्य	Traction Distribution Works		1,50,01	..	..	..	..	21,89,65	23,39,66
32 पुल संबंधी कार्य	41 मशीनरी और संयंत्र	Machinery & Plant		9,05,03	..	3,93,27	2,44,15	..	6,24,59	21,67,04
33 सिगनल और दूरसंचार संबंधी	42 कारखाने - उत्पादन इकाइयों सहित	Workshops including Production Units		131,24,61	..	18,02,03	17,59,67	..	36,92,59	203,78,90
	51 कर्मचारियों के लिए क्वार्टर	Staff Quarters		15,11,00	..	2,28,00	..	..	..	17,39,00
	52 कर्मचारियों के लिए सुविधाएं	Amenities for Staff		6,75,00	..	2,87,02	19,96,04	..	..	29,58,06
	53 यात्री सुविधाएं	Passenger Amenities		93,91,30	..	12,50,00	22,50,00	..	100,00,00	228,91,30
	64 अन्य विनिर्दिष्ट कार्य	Other Specified Works		2,20,02	..	1,74,01	9,99,01	..	2,00,00	15,93,04
	65 प्रशिक्षण/मानव संसाधन विकास	Training/HRD		1,00,00	..	..	10,60,00	..	4,80,00	16,40,00
	81 महानगर परिवहन परियोजनाएं	Metropolitan Transport Projects		20,10,00	..	..	..	..	..	20,10,00
	71 भंडार उचंत	Stores Suspense		1719,15,53	..	..	..	..	..	1719,15,53
	72 निर्माण उचंत	Manufacture Suspense		949,18,39	..	..	..	..	..	949,18,39
	73 विविध अग्रिम	Miscellaneous Advances		106,44,95	..	..	..	..	..	106,44,95
	कुल योग	Total Gross		4190,64,47	257,16,24	75,86,88	95,92,90	200,00,00	445,27,52	6264,88,01

Itemized Rolling Stock Programme ---

- Railway Board will send a separate list of all the sanctioned items costing <2.5 crores to ZR's, and the same is published as List of approved works (LAW book) by PCE with individual item Nos.
- LAW book also includes WP and M&P items costing <2.5 crores.
- For all items irrespective of the cost, the final sanctioning authority is RB only.

Itemised Rolling Stock Programme (IRSP)

The itemized Rolling Stock Programme is prepared by the zonal Railways and PUs in two Formats:

- a. for Works already sanctioned by the Board (**Programmed Deliveries**) with any changes in numbers or unit rates and
- b. for New Works (**New Acquisitions**) proposed on the premise that the proposals are not global in nature and pertain to the specific local requirement of the particular zone.

Itemized Rolling Stock Programme

- CWE communicates the sanctions with pink book/ LAW book No to the field units for execution.

IRSP proposal

➤ Preparation – Sanction – Execution - Closing

Unit Level:

1. Justification
2. Abstract estimate
3. Unit finance concurrence
4. Approval of unit incharge
5. Submission to HOD

HQ Level:

6. HQ finance concurrence
7. Submission to Rly Bd by 15th Sep.

Unit Level:

11. Detailed Estimate
12. Unit finance vetting
13. Sanction of estimate
14. Procurement of materials (Indents/LOA)
15. Execution of Work
16. Completion Report (CR)
17. Sanction of CR

HQ Level:

10. Communication of sanction to Field Unit (Pink book/ LAW book)

RB Level:

8. Inclusion of proposals in the budget and sanction
9. Pink book.

HQ Level:

18. Closing of work



IRSP proposal

Format for submission of proposal

(c) Programme Deliveries should be reflected in the following format:

Pink Book/Law Book Item No/year of sanction	Particulars of work (With PB/LB No. of previous years)	Allocation	Latest Anticipated cost	Outlay expected to the end of 2016-17	Outlay proposed For 2017-18	Balance to complete work	Remarks (current progress of the work)

RSP-Provision of Budget

Budget is provided under

Demand No -16 (Assets Acquisition,
Constructions and Replacements)

Plan Head No – 2100 (Rolling Stock)

Additional Account – CAP, IRFC(EBR),DF,RRSK

Replacement Account - DRF

RSP – Sanction of Estimate (SOP)

- All RSP works falls under SOP Part 'A' item no 2(A)(ii)

2. Technical sanction to detailed estimates

(A) Works itemised in the works programme/RSP/M&P or approved by the higher authority or included in LAW/LSWP

(ii) Rolling stock items provided in the Rolling stock approved programme.

➤ SOP Powers are as under:

DRM/ADRM/SAG officers in field units	---	Up to	Rs. 50 Crore
PHOD/CHOD	---	Up to	Rs. 100 Crores
AGM	---	Up to	Rs.500 Crores

Rolling Stock Programme (RSP)

SUMMARY: We have learnt

- How the locos, coaches and wagons are added to the IR holding.
- How the proposal is prepared and processed for Railway Board sanction
- Budget allocation
- Detailed Estimate sanctioning powers

- Further Reading

ROLLING STOCK CODE – CHAPTER 10



Thank You

RSP - Objectives

ROLLING STOCK REQUIREMENT DURING XIIth PLAN

Type of Stock	Requirement* on additional account (2012-13 to 2016-17)	Requirement on replacement account ** (2012-13 to 2016-17)	Total requirement (2012-13 to 2016-17)	Anticipated acquisition 2012-2017
Coaches (incl. EMUs, MEMUs and DEMUs)	25440	7626	33066	24000
Diesel Locos	1500	500	2000	2000
Electric Locos	1800	210	2010	2010
Wagons (in VUs)	76396	29263	105659	105659

Annual requirement of Rolling Stock is derived from five year plans now NITI Aayog.

Bulk Rolling Stock Programme

➤ ANTICIPATED REQUIREMENT OF ROLLING STOCKS DURING XII PLAN YEAR WISE

Type of Rolling Stock	Year					
	2012-13	2013-14	2014-15	2015-16	2016-17	Total
Coaches	4000	4200	5000	5200	5600	24000
Diesel Loco	325	327	448	450	450	2000
Electric Loco	350	351	404	455	450	2010
Wagons	18659	22197	22020	21043	21740	105659

Bulk Rolling Stock Programme

➤ PRODUCTION PROGRAMME OF COACHES PU WISE

Anticipated Production/Acquisition of coaches from PUs/other sources						
	2012-13	2013-14	2014-15	2015-16	2016-17	Total
ICF (Coaches)	1500	1500	1600	1700	1700	8000
RCF/Kapurthala (Coaches)	1600	1600	1600	1600	1700	8100
RCF/RBL(Coaches)	60	75	500	500	1000	2135
Kancharapara (EMUs)			100	250	250	600
Haldia (DMUs)	16	64	120	200	200	600
Palghat (Coaches)				100	100	200
Singur (Metro and EMU)				50	50	100
BEML/Others(Coaches & EMUs)	824	961	1080	800	600	4265
Total	4000	4200	5000	5200	5600	24000