Delhi Issue Fair
7/5/18

Government of India
Ministry of Railways
(Railway Board)

No.2017/M (PU)/1/23 New Delhi, dt. 07.05.2018

The General Manager (M),
Central Railway,
Mumbai.

Sub: Itemised Rolling Stock Programme for the year 2018-19– Costing below Rupees 2. 50 Crore each.

A copy of approved works of Itemized RSP (New Acquisitions) for the year 2018-19, costing below rupees 2.50 crore each is enclosed herewith for printing in the List of Approved Works for 2018-19, along with the other works costing below rupees 2.50 crore each. A list of works for inclusion in the LAW book for 2018-19 for the other plan heads is being circulated separately by Budget Branch of Railway Board. It may be ensured that the allotment of funds to the individual items is kept within the overall allotment under lump sum provision in Pink Book.

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7.5.18.

(Govind Pandey)
Director Mech.Engg.(PU),
Railway Board.

08/05/18
Signature
Date of issue

CENTRAL RAILWAY

ROLLING STOCK PROGRAMME FOR 2018-19

NEW ACQUISITION

Works Costing **Below** Rs. 2.50 crores

Locomotives

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Procurement of unit exchange spares for ALCO locomotives for Diesel Loco Shed, Kurla - 01 set	CAP	4883	1	4882
Procurement of Motorized Truck Assembly complete for WDG4 locomotive P.No. 40076078- 01 no.	CAP	15900	1	15899
Procurement of Wheel set with bull gear for WDG4 locomotive - 02 nos.	CAP	14600	1	14599
Procurement of Wheel set with bull gear for WDP4 locomotive. - 01 nos.	CAP	7300	1	7299
Procurement of Air Brake pneumatic valves and CRU cards for HHP locos - 01 set	CAP	2574	1	2573
Procurement of Turbo Super Charger for HHP locos (Part No-40053534) - 01 nos.	CAP	7500	1	7499
Procurement of Traction Motor for WDG4 locomotive(Part No-40075428) - 02 nos.	CAP	6000	1	5999
Procurement of Radiator Assembly-Right & Left(Part No-10631856 & 10631855) - 02 sets	CAP	2858	1	2857
Procurement of Traction Motor for WDP4 locomotive (Part No-40086753) - 02 nos.	CAP	6000	1	5999
Procurement of Motorised Truck Assembly complete for WDG4 locomotives , Pno. 40075078- 01 no.	CAP	15900	1	15899
Set of spares for conventioanl. locos. Qty-10 nos. @ Rs.3.82 Lakh per set	RRSK	3820	1	3819
Set of Filter Assembly for WAG-9 Loco Qty-10 nos. @ Rs.3.35 Lakh per set	RRSK	3350	1	3349
Tri-Plate Panel MountedIRAB9 Brake System for WAP4/WAG7 Electric Locomotives Qty-04 nos. @ Rs.6.78Lakh	RRSK	2712	1	2711
Bogie Frame Assembly for WAG-9 Locomotives Qty-01 nos. @ Rs.15.15 Lakh per set	RRSK	1515	1	1514
Set of Power and Aux Converter with Control Electronics for 3-Phase Locomotives Qty-01 set @ Rs.210.98 Lakh per set	RRSK	21098	1	21097
Provision of 1750 LPM oil free on board compressor for WAP-4 Electric Locomotive Qty-04 nos. @ Rs.18.49 Lakh	CAP	7396	1	7395
Assembled Bogies for WAP4 Locomotives with Brake Rigging, Brake Cylinder & Pneumatic Pipe lines Qty-01 nos. @ Rs.33.60 Lakh	RRSK	3360	1	3359
Computer Controlled Brake System (CCB) for WAG-9 and WAP-7 Loco Qty-01 nos. @ Rs.38.65 Lakh each	CAP	3865	1	3864
IGBT Based 3*130 Aux Convertor for 3 Phase Electric Locomotives Qty-01 nos. @ Rs.46.73 Lakh per set	CAP	4673	1	4672
Bus station Aux Convertoer comprising of unit 1.2 and 3 of 3 Phase Locomotive Qty-01 nos. @ Rs.24.25 Lakh	CAP	2425	1	2424

Replacement of Old & Defective Vacuum Circuit Breakers Qty-40 nos. @ Rs.3.61Lakh per set	RRSK	14440	1	14439
Replacement of DC MVRF type Dynamic Breaking Resistance (DRB) of-7 type AC locos with AC MVRF type Dynamic breaking Resistance, Qty-17 nos. @ Rs.11.27 Lakh per set	RRSK	19159	1	19158
Total Locomotives	**CAP**		**14**	
	RRSK		**8**	
Coaching				
Replacement of Conventional Roof Mounted Water Water Tanks of Main Line Coaches (LH & RH) 150 Sets	RRSK	7598	1	7597
Set of Roof mounted AC Package unit with AC control panel for GS MTN	RRSK	6777	1	6776
Total Coaching	**RRSK**		**2**	

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The General Manager (M),
Eastern Railway,
Kolkata.

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(Govind Pandey)
Director Mech.Engg.(PU),
Railway Board.

EASTERN RAILWAY

ROLLING STOCK PROGRAMME FOR 2018-19

NEW ACQUISITION
Works Costing **Below** Rs.2 5 crores

Locomotives

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Traction Motor TM 4907 for ALCO Loco , to BHEL Drg No 0435001300LP1.02 nos for BWN	RRSK	6863	1	6862
Tri Plate Air Brake Panel, of IRAB-1 Brake system complete of SIL Make . DLW Pt No 11663479 & DLW Drg No 11664733 Alt,01 set for BWN	RRSK	592	1	591
Compact (Triplate) Type IRAB-1 Faively Pt No 725001200 , 01 nos for BWN.	RRSK	507	1	506
Auxiliary Generator Type AG 3101 AY BHEL Drg No 14330022001V00, 01 nos for BWN.	RRSK	753	1	752
Exciter Model No 3101 AY BHEL Drg. No 14330022001V00,01 nos for BWN	RRSK	672	1	671
Eddy Current Clutch complete type EC 9005/2/M to BHEL Drg No 14360018001BG, 01 nos for BWN	RRSK	558	1	557
MB Radiator assembly as per letter DMW-CRS-19(2018-19) dt 05 07.16. ref proforma for BIM indent on DMW for 2018-19, ALCO holding Srl No 80, PL No 11458227,02 sets for BWN.	RRSK	2754	1	2753
Cast Steel Co-Co Motor Truck Frame assembly, DLW Drg No 4113V 13800 , Alt – Y to DLW Pt No 11025979,02 nos for BWN.	RRSK	3421	1	3420
Alternator Mounted Rectifier Assembly with 36 Diodes and Fuse to BHEL Drg no 26670500102 or similar. RSDO's Specn. No MP.0.24.02.20 (Rev. 00) April 2009, 01 for BWN.	RRSK	1063	1	1062
Motorised Truck Assembly (MTA) for WDM3A loco, 01 set for BWN.	RRSK	3500	1	3499
Turbo Super Charger 3100 HP , Make ABB, DLW Pt No 10083479,02 nos for BWN.	RRSK	2469	1	2468
GE Single Discharge Turbo Super Charger to GE Part No 126 x 1929 with adaptation kit ,02 nos for BWN.	RRSK	3693	1	3692
Kit for Stiffer Cam Shaft to DMW PL No 10990239 ,03 sets for BWN	CAP	1848	1	1847
Motorized Wheel Set Assembly with wing type Axle Box and High Speed TM for WDM3Dwith TM - 4907, 01 set for HWH	RRSK	2073	1	2072
Blower Assembly (TCC Electronic Blower with motor) to DLW PL No. 17453008, Pt No. 10635350 for EMD Locomotives. 01 no for HWH.	CAP	408	1	407
Traction Motor Blower Assembly for EMD Locomotives, DLW Pt. No. 17051253 Traction Motor Blower Assembly for EMD Locomotives, DLW Pt. No. 17051253, 2 nos or HWH	CAP	626	1	625
Radiator Cooling Fan Assembly DLW PL No. 18090023 for EMD Locos.02 nos for HWH	CAP	1144	1	1143
DB/Dynamic Grid Fan Assembly DLW Part No. 17451759 for EMD/WDP4 Locomotives. 02 nos for HWH	CAP	976	1	975
Governor Assembly for EMD Locomotive, DLW Pt. No. 16340036, 01 nos for HWH	CAP	851	1	850
Air Compressor for EMD Locomotives,01 nos for HWH	CAP	647	1	646

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Radiator Assembly Set consisting of Radiator Right & Left Hand Side DLW Pt no. 17455017,01 loco set for HWH.	CAP	1432	1	1431
MB Radiator Assembly for 3100 HP Loco,02 sets for HWH	RRSK	2664	1	2663
Motorized Wheel Set Assembly with Axle Box and High Speed TM for WDM3A for ALCO Loco, 01set for HWH.	RRSK	2774	1	2773
TSC for 3100 HP Loco ABB TPR - 61, 02 nos for HWH	RRSK	3512	1	3511
Alternator Mounted Power Rectifier with 36 diode & fuse (as per RDSO Spec. No. MP.O.25.02.20 Rev. 00) April 2009 ,02 nos for HWH.	RRSK	2420	1	2419
Complete set of roof mounted dynamic brake grid assembly for WDM3D Loco (01 set consists of 06 nos. Grid Resistance Boxes with Dynamic brake motor with fan (complete Fan motor assembly, EMD Part No. 9518890),02 sets for HWH.	RRSK	2240	1	2239
Kit for Computer Controlled Brake System (Air Brake Pneumatic Valves & ORD card) to DLW Part No. 17454098 for EMD Locomotives.,01 no. for HWH	CAP	2827	1	2826
3 Phase Induction Motor without pinion for 4500 HP WDP4D Locos, RDSO Spec. No. MP.0.2400.52 (Rev- 02) July 2013 for EMD Locos.02 nos for HWH.	CAP	4263	1	4262
Turbo Supercharger Asm, DLW Pt No. 16080017 for EMD Locos,01 no for HWH	CAP	4753	1	4752
Cylinder Power Assembly for WDP4D Locos (Fork Type) DLW Pt. No. 16350017,08 nos for HWH	CAP	3587	1	3586
Cylinder Power Assembly for WDP4D Locos DLW Pt. No. 16350029 (Blade Type), 08 nos for HWH.	CAP	3554	1	3553
Alternator Mounted Rectifier with 36 Diods and Fuses.01 no. for JMPS	CAP	1234	1	1233
Traction Motor TM-4907BZ with pinion (GR-18:65) to Drg. No. 04390013001P3 for WDM3 Diesel locomotives.02 nos for JMPS.	RRSK	6863	1	6862
Motorised Wheel set Assembly with Axle Box and High Speed Traction Motor for WDM3A Diesel locomotives.02 nos for JMPS.	CAP	4146	1	4145
Air Dryer,02 nos for JMPS	CAP	245	1	244
Eddy Current Clutch ,01 nos for JMPS.	RRSK	558	1	557
Traction Alternator TA10102EV, BHEL Drg. No. 04300025010V00 for WDM3A Diesel locomotives.01 nos for JMPS.	CAP	5701	1	5700
Kit for Computer Controlled Brake System(Air Brake Pneumatic Valves & Card), 02 nos for JMPS.	CAP	5654	1	5653
Blower Assembly (TCC Electronic Blower with motor), 01 no for JMPS.	CAP	408	1	407
Traction Motor Blower Assembly.,01 no for JMPS.	CAP	322	1	321
Radiator Cooling Fan Assembly ,01 no for JMPS.	CAP	502	1	501
3 Phase Induction Motor, P-4,02 nos for JMPS.	CAP	4263	1	4262
3 Phase Induction Motor, G4, 02 nos for JMPS.	CAP	4263	1	4262
Governor Assembly ,1 no for JMPS	CAP	851	1	850
Battery Storage unit to DLW Pt. No. 17051472 for WDP4D,02 sets for JMPS.	CAP	124	1	123
Traction Motor for WDG4 locomotives.DLW pt.No.18080017 ,02 nos for UDL.	CAP	7224	1	7223

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Radiator Assly Set of HHP loco (RH-EMD pt.no.10631856 and LH-EMD pt.no.10631855, 02 loco sets for UDL.	CAP	3091	1	3090
WW Governor Asembly for GM loco EMD Pt. no. 40041389.02 nos for UDL.	CAP	1923	1	1922
Air Compressor for EMD Loco pt.no.40017843, 02 nos for UDL.	CAP	1113	1	1112
Air Dryer assembly EMD pt.no.10629715 for WDG4, 05 nos for UDL.	CAP	632	1	631
EM2000 with modules. Chasis assmly etc for WDG4,01no for UDL.	CAP	371	1	370
Lube Oil Cooler(PTLOC) for ALCO loco,05 nos for UDL.	RRSK	840	1	839
TCC Electronic Blower with Motor Pt.No.10635350, 01 no for UDL.	CAP	53	1	52
Turbo Super Charger for GM locos,01 nos for UDL	CAP	7500	1	7499
Set of Auxiliary motors for conventional Locos . Qty -04 Loco Set @ Rs. 18.43 Lakhs	RRSK	7372	1	7371
Modification of SL 30 for fire prevention measure as per RDSO's SMI No. RDSO/2006/EL/SMI/0240 (Rev.0) ,Qty-20 Loco Set @ Rs. 4.19Lakhs	RRSK	8380	1	8379
Replacement of Casting Bolster by Fabricated Bolster of WAP4 Locos , Qty -10 nos @ Rs. 3.44 Lakhs each	RRSK	3440	1	3439
Replacement of Trimount Bogie frame Complete with brake rigging , Qty -05 nos. @ Rs. 17.61 Lakhs	RRSK	8805	1	8804
Rehabilitation of 5400 Transformer for Electic Locos , Qty -04nos.@ Rs. 13.60 Lakhs each	RRSK	5440	1	5439
High Capacity Compressor for 3 Phase Locos . Qty -07 nos. @ Rs. 5.16 Lakhs	RRSK	3612	1	3611
Replacement of old worn out Arno converter by New Arno Converter . Qty -02 nos. @ Rs. 15.37 Lakhs	RRSK	3074	1	3073
Trimount Bogie Frame for WAG5 loco /KPA, Qty -Qty -02 nos @ Rs. 17.61 Lakhs	CAP	3522	1	3521
Gate Unit of Main Converter of 3 Phase locos as per ABB ID No. HUCD320054R1001@ Rs128 Thou , Qty -10 nos. @ Rs.0.81 Lakhs	CAP	810	1	809
Misc Spares (Air Dryer, Radiator for converter, Master Controller, D C Link Voltage sensor & Active Speed sensor) Qty -01 set @ Rs. 58.39 Lakhs per set	CAP	5839	1	5838
Traction Motor 6FRA 6068 for WAG9/WAP7 3 Phase Locos, Qty 2 nos. @ Rs. 22.32 Lakhs	CAP	4464	1	4463
Total Locomotives	**CAP**		**37**	
	RRSK		**28**	
Carriages				
ICF- design Bogies fitted with air springs (Hybrid Bogie Frame) with bolster for 08 Nos for Non-AC coaches for	RRSK	5179	1	5178
ICF- design Bogies fitted with air springs (Hybrid Bogie Frame) with bolster for 08 Nos. for AC coaches. for LLH coaching	RRSK	5281	1	5280
Bogie Bolster 16 Ton for 8 coach set for LLH Coaching	RRSK	862	1	861
Regulated Battery Charger for LHB coaches conforming to RDSO Spec no RDSO/PE/Spec/AC/00129-2009(Rev-1)-5 Nos.	RRSK	17072	1	17071

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Air dryer with pipe and pipe fitting for MEMU Motot coach-18 no.	CAP	3792	1	3791
Transformer for EMU/MEMU motor coach-5 Nos.	CAP	12809	2	12807
Conventional Trailer coach bogie with bolster wheel set brake rigging EMU/MEMU Motor coaches KPA-7 Nos.	CAP	4838	2	4836
Precurement of compressor complete for EMU/MEMU motor coach-6 nos.	CAP	1458	2	1456
Rectfier Block complete for EMU motor coach -6 nos.	CAP	2501	2	2499
Radiator with fan assembly for EMU motor coach-5 nos.	CAP	880	2	878
Motor coach bogie Air suspension ICF make with Bolster and air line arrengement-3 nos.	CAP	3000	2	2998
MSU Wheel set M/C coach - 20 nos.	CAP	1519	2	1517
CG TM type 1005 tube suspension MSUfor MEMU -2 nos.	CAP	5718	2	5716
BHEL TM type 4303 BY tube suspension MSU for EMU/MEMU-2 nos.	CAP	4979	2	4977
Motor coach bogie conventional (Jeesop type)-3 nos.	CAP	885	1	884
Trailer coach bogie conventional (Jeesop type) - 3 nos.	CAP	798	1	797
Energy cum speed monitoring unit (ESMON)for 25 KV AC EMU/MEMU-20 nos.	RRSK	3726	1	3725
Provision of VCB for EMU/MEMU in place of 'DJ' - 5 nos.	RRSK	1540	1	1539
Replacement of convenitonal Bogie frame for EMU motor coach - 10 nos.	RRSK	2810	1	2809
Replacement of convenitonal Bogie frame for EMU Trailer coach -12 nos.	RRSK	3342	1	3341
25 KW Brushless alternator with rectifer cum regulator equipment for 110 Volt DC SG coaches along with all other scop of supply conforming to RDSO's -specfication no. RDSO/PE SPEC/AC/0056-2014(Rev-1) or latest /LLH-35 Nos.	RRSK	13411	2	13409
VLRA Battery 120 Ah ,110V for 1400 DEMU/DPC JMP diesel shed.04 set.	RRSK	537	1	536
Bogie complete (Motorised Truck Assly) for 1400 HP DEMU DPC JMP diesel shed.02 sets.	CAP	3708	1	3707
Wheel Set assembly for DPC of DEMU with MSU and bull gear , 04 sets for UDL.	CAP	3740	1	3739
Total Carriages	**CAP**		**23**	
	RRSK		**11**	

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Ministry of Railways
(Railway Board)

No.2017/M (PU)/1/23 New Delhi, dt. 07.05.2018

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E.C. Railway,
Hajipur.

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Director Mech.Engg.(PU),
Railway Board.

08/05/18
Sign. of Issuing Officer
Date of Issue

EAST CENTRAL RAILWAY

ROLLING STOCK PROGRAMME FOR 2018-19

NEW ACQUISITION

Works Costing **Below** Rs. 2.50 crores

Locomotives

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Traction Alternator for WDG-4 for Dsl Shed Paratu - 01 nos.	CAP	8674	1	8673
Traction Motor (HHP loco) DLW PL No.- 18080017 for Dsl Shed Paratu - 02 nos.	CAP	5020	1	5019
Governor Assembly, (HHP LOCO) DLW PL No- 16340036 for Dsl shed Patratu - 01 nos.	CAP	892	1	891
Turbo Clutch Assembly HHP loco, DLW PL No-16060490 for Dsl shed Patratu - 02 nos.	CAP	925	1	924
Traction motor WDP4, EMD pt. no.- 40075428, DLW Pt. no. - 18080017 for Dsl shed Samastipur - 02 nos.	CAP	4655	1	4654
Motorised truck Assembly (non-equaliser type) for WDM3D loco (4907 type motor) for Dsl shed Samastipur - 01 sets	CAP	8834	1	8833
Wheel set Assembly (WDG4D) without traction motor, DLW Part No- 17020992 for Dsl shed Patratu - 06 nos.	CAP	5953	1	5952
Bogie frame for WDM3D loco (Non Equaliser type) for Dsl shed Samastipur - 02 nos.	CAP	1591	1	1590
Bogie frame for WDM3D loco (Equaliser type) for Dsl shed Samastipur - 02 nos.	CAP	1335	1	1334
Wheel set assembly non equaliser type without traction motor for WDG3A loco for Dsl shed Samastipur - 06 nos.	CAP	4250	1	4249
Turbo Super Charger for HHP loco for Dsl shed Patratu - 01 nos.	CAP	4441	1	4440
Motorised Truck Assembly (ALCO Loco), DLW PL No. -11521053 for Dsl shed Patratu - 01 no.	CAP	10497	1	10496
Crank Shaft for WDG-4 loco for Dsl shed Patratu - 01 no.	CAP	3291	1	3290
Eddy Current Clutch (ALCO LOCO) DLW PL No. - 12440127 for Dsl shed Patratu - 01 no.	RRSK	678	1	677
Power Pack (WDM3D), PL No-12999200 for Dsl shed Samastipur 01 no.	CAP	24323	1	24322
Traction Alternator Assembly, EMD pt. no- 40070737 for Dsl shed Samastipur - 01 no.	CAP	8043	1	8042
Motorised truck Assembly (non-equaliser type) for WDG3A loco (4907 type motor) for Dsl shed Samastipur - 01 sets	CAP	7920	1	7919
Turbo Super Charger, EMD pt. no.-40053534, DLW Pt. no-16080087 for Dsl shed Samastipur - 01 no.	CAP	4118	1	4117
High capacity main compressor with motor for WAP -4 electric loco for ELS/Mughalsarai - 15 nos. @ Rs. 5.75 lakh each	RRSK	8631	1	8630
Oil cooler radiator for loco for ELS Mughalsarai -Qty:-28 nos. @ Rs. 2.10 lakh each	RRSK	5895	1	5894
Fabricated bolster for WAP-4 loco for ELS Mughalsarai - Qty:- 20 nos. @ Rs. 2.94 lakh each	RRSK	5880	1	5879

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Conversion of wheel set from 18:64 to 16:65 consisting of bull gear (65 teeth) & Pinion (16 teeth)- Qty.-100 nos. @ Rs. 1.26lakh each	RRSK	12642	1	12641
Total Locomotives	**CAP**		**17**	
	RRSK		**5**	
Carriages				
Compressor for 1600 HP DPC , make-ELGI,Model-RR15070 for DEMU shed Sonpur -01 no.	CAP	563	1	562
Wheel set for 1600 HP DEMU DPC for DEMU shed Sonpur - 02 sets	CAP	2137	1	2136
Traction motor for 1600 HP , IGBT DEMU, Model-TME-48-45-6. Medha part no. SP648V27109 for DEMU shed Sonpur - 01 nos.	CAP	2980	1	2979
Wheel set for HHP DEMU TC for DEMU shed Sonpur - 08 sets	CAP	2013	1	2012
Cylinder head for 1600 HP DEMU/DPC CIL Part No. 4313887 for DEMU shed Sonpur - 04 nos.	CAP	590	1	589
Traction Alternator for 1600 HP, IGBT DEMU, Model- TG-71-59-6. Medha part no. SP648V27108 for DEMU shed Sonpurfor DEMU shed Sonpur - 01 no.	CAP	8101	1	8100
Total Carriages	**CAP**		**6**	

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08/05/18

EAST COAST RAILWAY

ROLLING STOCK PROGRAMME FOR 2018-19

NEW ACQUISITION

Works Costing **Below** Rs. 2.50 crores

Locomotives

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Turbo Super Charger EMD Part no. 40110641 - 01 nos.	CAP	6643	1	6642
Wheel Set with Bull Gear for WDG4 Locos. - 02 nos.	CAP	2451	1	2450
Microprocessor Based Speed Recorder and Indicator with Speed Sensor and junction box. (As per RDSO Spec. MP.0.3700. 07 (Rev-06) Oct-2015) - 10 nos.	RRSK	1781	1	1780
Traction Motor 4907 BZG3A 18:74 Gear ratio to PL No.12080354 - 02 nos.	RRSK	3463	1	3462
Traction Alternator TA 10102EV without AG & Exiter to BHEL Drg No. 04300025010V00 (Rectifier Mounted) - 01 nos.	CAP	7440	1	7439
Wheel set Assembly WDG3A (With EQ) - 6 nos.	RRSK	4962	1	4961
Motorized Wheel set Assembly WDM3D (EQ.Less) - 06 nos.	RRSK	12221	1	12220
Motorized Wheel set Assembly WDM3A - 03 nos.	RRSK	5803	1	5802
Co-Co Bogie for WDM3A - 04 nos.	RRSK	4416	1	4415
Air Compressor EMD Pt No.40017843 - 02 nos.	CAP	1523	1	1522
Governor Assembly (EMD Pt No.40056145 / DLW Pt No.16340036) - 02 nos.	CAP	2079	1	2078
Engine Crank Shaft ,EMD Pt no. 40109969 - 01 nos.	CAP	2890	1	2889
Lube oil cooler Assembly, EMD Pt No. 9560308 - 02 nos.	CAP	798	1	797
Governor Booster pump & motor Assembly, DLW Pt No. 16241526 - 10 nos.	CAP	761	1	760
Air Dryer, DLW Pt No. 11810725 - 02 nos.	CAP	277	1	276
Contactor for Dynamic brake, EMD Pt No. 40024444 - 02 nos.	CAP	270	1	269
Radiator Fan Assembly for HHP Locos, DLW Part No. 18090023 - 05 nos.	CAP	2425	1	2424
Traction Motor Blower Assembly DLW Part No. 17051253 - 03 nos.	CAP	925	1	924
Fuel Oil Pump Assembly for HHP Locos. - 05 nos.	CAP	2204	1	2203
Starter Motor for HHP Locos - 10 nos.	CAP	1120	1	1119
Air Brake CCB II System spares (i) Junction box Assembly (ii) Cable Assy (iii) Converter Assy - 02 nos.	CAP	1323	1	1322
Alternator Mounted Rectifier with 36 Diode & Fuses BHEL Drg No. 26670500102 - 01 nos.	CAP	1527	1	1526
Control unit for MEP 660, Ver-2 (Medha Pt No. SP660101001). - 02 nos.	CAP	1082	1	1081
Control unit for MEP 660, Ver-3 (Medha Pt No. SP660101002). - 02 nos.	CAP	1425	1	1424
52 Inch DB fan motor assembly with Fan guard for ALCo Loco roof mounted forced cooled dynamic braking hatch assembly. - 02 nos.	CAP	1178	1	1177
Power Rectifier (Separately mounted) to drg No.26670500064 - 01 nos.	CAP	1527	1	1526

Wheel set Assembly WDG3A (EQ.LESS) - 02 nos.	RRSK	1654	1	1653
Co-Co Bogie WDM3D (EQ.LESS) - 01 nos.	RRSK	968	1	967
Co-Co Bogie WDG3A - 02 nos.	RRSK	1677	1	1676
Traction Motors for HHP Locos (DLW Pt No.18080017) - 02 nos.	CAP	8375	1	8374
Bogie frame with brake rigging for WAG-9 locomotives Qty.-01 nos. @ Rs.11.66 Lakh each	CAP	1166	1	1165
Oil Cooling Blower (OCB) unit complete with casing and blower for three phase Electric locos Qty.-03 nos. @ Rs.3.78 Lakh each	CAP	1134	1	1133
Bogie frame with Brake rigging for WAP-7 locomotives Qty.-01 nos. @ Rs.20.52 Lakh each	CAP	2052	1	2051
Wheel sets with Axle box for WAP-7 locomotives Qty.-02 nos. @ Rs.17.28 Lakh each	CAP	1728	1	1727
Traction motor 6FRA 6068 for three phase Electric locos Qty.-01 nos. @ Rs.29.16Lakh each	CAP	2916	1	2915
Wheel Sets with Axle box for WAG-9 Three Phase Electric Locos Qty.-03 nos. @ Rs.8.64 Lakh each	CAP	2592	1	2591
Microprocessor based control & fault diagnostic system (version-3) forWAG-7 Locomotive Qty.-03 nos. @ Rs.16.66 Lakh each	RRSK	4998	1	4997
Single bottle vacuum circuit breaker on Electric Locos Qty.-02 nos. @ Rs.2.95 Lakh each	RRSK	590	1	589
Microprocessor based electronic speed indicating, recording and energy monitoring system (SPM) for WAG-7 locomotive Qty.-02 nos. @ Rs.2.74Lakh each	RRSK	548	1	547
Vigilance Control Device (VCD) Qty.-10 nos. @ Rs.1.19 Lakh each	RRSK	1190	1	1189
Air drier for air compressor of WAG-7 locomotive. Qty.-05 nos. @ Rs.2.03 Lakh each	RRSK	1015	1	1014
Triplate Panel mounted IRAB-9 and IRAB-10 Brake system of WAG-7 locomotive.Qty.-03 nos. @ Rs.6.30 Lakh each	RRSK	1891	1	1890
Tap changer complete (GR) for WAG-7 locomotive Qty.-01 nos. @ Rs.42.66 Lakh each	RRSK	4266	1	4265
Spares for Static inverter of WAG-7 locomotives of ELS/ANGL Qty.-06 nos. @ Rs.9.09 Lakh each	RRSK	5454	1	5453
Total Locomotives	**CAP**		**27**	
	RRSK		**17**	
Carriages				
ICF design bogies fitted with air spring 04 sets	**RRSK**	6292	1	6291
CRW/MCS: Unit Exchange Spares for AC coaches in workshop	RRSK	16565	2	16563
Total carriages	**RRSK**		**3**	

pli issue Fair
7/05/18

Government of India
Ministry of Railways
(Railway Board)

No.2017/M (PU)/1/23

New Delhi, dt. 07.05.2018

The General Manager (Mech.),
Northern Railway,
New Delhi.

Sub: Itemized Rolling Stock Programme for the year 2018-19– Costing below Rupees 2. 50 Crore each.

A copy of approved works of Itemized RSP (New Acquisitions) for the year 2018-19, costing below rupees 2.50 crore each is enclosed herewith for printing in the List of Approved Works for 2018-19, along with the other works costing below rupees 2.50 crore each. A list of works for inclusion in the LAW book for 2018-19 for the other plan heads is being circulated separately by Budget Branch of Railway Board. It may be ensured that the allotment of funds to the individual items is kept within the overall allotment under lump sum provision.

The printed copies may be sent to Budget Branch, Room No. 204, Railway Board by the stipulated date for further distribution.

Please acknowledge the receipt

7.5.18.

(Govind Pandey)
Director Mech.Engg.(PU),
Railway Board.

Ministry of Railways
Railway Board
Issue with Enclosure
Signature.....
Date of Issue.....
08/05/18

NORTHERN RAILWAY

ROLLING STOCK PROGRAMME FOR 2018-19

NEW ACQUISITION

Works Costing **Below** Rs. 2.50 crores

Locomotives

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Motorized Truck Assly WDM3D - 01 no	CAP	9293	1	9292
Traction motor - 02 nos.	CAP	2049	1	2048
Panel mounted IRAB-1 Pure Air Brake System - 01 no.	CAP	535	1	534
Wheel set assembly without traction motor - 03 nos.	CAP	2331	1	2330
Radiator cooling fan with motor - 02 nos.	CAP	1084	1	1083
Turbo super charger assly - 01 nos.	CAP	4349	1	4348
3 Phase induction Traction motor - 02 nos.	CAP	4041	1	4040
Air Compressor - 01 nos.	CAP	700	1	699
Dust bin TCC blower motor - 03 nos.	CAP	159	1	158
Dynamic braking grid, Fan Tap & non fan tap - 02 nos.	CAP	844	1	843
Motor Truck Assly. For WDM3D - 01 nos.	CAP	9440	1	9439
Motor Truck Assly. For WDM3A/3C - 01 no.	CAP	8122	1	8121
Traction Motor Complete TM 4907 - 02 nos.	CAP	6499	1	6498
Aux Generator - 01 nos.	CAP	711	1	710
Set of EM & EP contactors - 02 nos	CAP	2302	1	2301
Radiator Set for WDP 4(HHP Loco) - 02 nos.	CAP	2076	1	2075
Turbo Super Charger for WDP 4(HHP Loco) - 01 nos.	CAP	4513	1	4512
Power Assembly Blade RodHHP Loco - 04 nos.	CAP	1235	1	1234
Power Assembly Fork Rod HHP Loco - 04 nos.	CAP	1237	1	1236
Wheel Set for WDP 4(HHP Loco) - 03 nos.	CAP	1428	1	1427
Traction Alternator for WDP 4(HHP Loco) - 01 no.	CAP	9156	1	9155
Traction Motor for WDP 4(HHP Loco) - 02 nos.	CAP	6392	1	6391
Radiator Fan for WDP 4 (HHP Loco) - 02 nos.	CAP	1497	1	1496
Mechanical unit fuel injector for HHP loco - 16 nos.	CAP	483	1	482
Traction Alternator for Alco Loco - 01 no.	CAP	5701	1	5700
Mechanical bond radiator - 01 nos.	CAP	1287	1	1286
Traction Alternator Unit TA 10102 - 01 no.	CAP	5700	1	5699
Plate type Lub Oil Cooler - 02 nos.	CAP	1261	1	1260
ECC - 01 no.	CAP	448	1	447
Speedo Meter MRT-918 - 05 nos.	CAP	650	1	649
Bogie Frame of WDM3A/3C (High speed) - 05 nos.	CAP	1492	1	1491
Cardan shaft set for ZDM3 locos - 02 nos.	CAP	1911	1	1910
Air compressor for ZDM3 locos - 04 nos.	RRSK	1280	1	1279
Single Bottle VCB for Electrical Loco Qty-01 nos. @Rs. 2.90 Lakhs each	CAP	290	1	289
Fabricated Bogie of WAG-7 Loco Qty-01 nos. @Rs. 8.00 Lakhs each	CAP	800	1	799
Transformer 5400 KVA for WAG-7 Qty-01 nos. @Rs. 34.22 Lakhs each	CAP	3422	1	3421
RSI Block for electric Loco Qty-01 nos. @Rs. 15.00 Lakhs	CAP	1500	1	1499
3-Phase Traction Motor for WAG-9 loco Qty-03 nos. @Rs. 23.00 Lakhs each	CAP	6900	1	6899
Traction Converter for WAG-9 loco Qty-01 nos. @Rs.71.79 Lakhs each	CAP	7179	1	7178
Auxiliary Converter for WAG-9 loco Qty-01 nos. @Rs. 30.36 Lakhs each	CAP	3036	1	3035

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Vehicle Control Unit for WAG-9 locomotive Qty-01 nos. @Rs. 16.21Lakhs each	CAP	1621	1	1620
Complete CCB brake panel for 3-Phase loco Qty-01 nos. @Rs. 31.87 Lakhs each	CAP	3187	1	3186
Fabricated bolster Assembly for WAP-4 loco Qty-06 nos. @ Rs. 3.40 Lakhs each	RRSK	2040	1	2039
Brake Control System (E-70) including drive vigilance control for WAG-9 locomotive Qty-01 nos. @Rs. 31.94 Lakhs each	CAP	3194	1	3193
Main Transformer for WAG-9 loco Qty-01 nos. @Rs. 79.43 Lakhs each	CAP	7943	1	7942
OCB Motor Complete for 3-phase loco Qty-03 nos. @Rs.3.21 Lakhs each	CAP	963	1	962
Combined brake cylinder for WAP5 Qty-16 nos. @Rs.2.48 Lakhs each	RRSK	3968	1	3967
Crowned gear coupling for WAP5 loco Qty-12 nos. @Rs.7.94 Lakhs each	RRSK	9258	1	9257
Rotor for TM 6FRA6068 of WAP7 loco Qty-10 nos. @Rs. 4.40 Lakhs each	RRSK	4400	1	4399
Traction motor 6FRA6068 of WAP7 loco Qty-05 nos. @Rs. 21.14 Lakhs each	CAP	10570	1	10569
Repairing /Overhauling of E-70 tri plate pneumatic panel Qty-05 nos. @ Rs. 13.03 Lakhs each	RRSK	6515	1	6514
N-32 Tap Changer of Electric Loco Qty-01no . @ Rs. 25.70 Lakhs each	CAP	2570	1	2569
Traction Motor (Hitachi HS 15250) Qty-03 nos. @ Rs. 21.14 Lakhs each	CAP	6342	1	6341
MPCS version-3 for Electric loco Qty-03 nos. @Rs. 13.40 Lakhs each	CAP	4020	1	4019
Total Locomotives	**CAP**		**48**	
	RRSK		**6**	
Coaching				
JUDW:495-4A quick draw (mini Gear) BLC- 100 Nos.	CAP	2200	1	2199
AMV:Provision of Hybrid Bogie with Air Spring -8 set	CAP	16919	1	16918
AMV:Complete Set of AC chair for ICF SG coaches -2 set	CAP	1210	1	1209
EMU/GZB : EMU motor coach Traction motor (4601 AZ/BZ)	CAP	21303	2	21301
EMU/GZB : MEMU motor coach Traction motor (4601 AZ/BZ)	CAP	24854	2	24852
EMU/GZB : EMU motor coach Traction motor Armature	CAP	12138	2	12136
EMU/GZB : MEMU motor coach Traction motor Armature	CAP	12138	1	12137
EMU/GZB : Traction motor EMU (newely arrived C-1005 TM complete)	CAP	9569	1	9568
Turbo charger to CIL Pt. No. 4044418 for 1400 HP DMU for JUC shed - 01 nos.	CAP	165	1	164
Fuel Injector to CIL Pt. No. 3076132 for JUC shed - 08 nos.	CAP	727	1	726
Cylinder head to CIL Pt. No. 3046323. for JUC shed - 06 nos.	CAP	516	1	515
Air compressor to Elgi Pt. No. 507007 TRC 2507 for JUC shed - 01 nos.	CAP	277	1	276
Complete bogie for 1400HP for BDGM - 01 nos.	CAP	2932	1	2931
Traction altornator for 1400HP DEMU for BDGM - 01 no	CAP	3150	1	3149

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Turbo charger for 1400HP DEMU for BDGM - 01 nos.	CAP	165	1	164
power pack for 1400HP DEMU for BDGM - 01 no.	CAP	8864	1	8863
Air compressor for 1400HP DEMU for BDGM - 01 no.	CAP	276	1	275
LCC Governor 107(B1+B2) for 1400HP DEMU for BDGM - 01 no.	CAP	939	1	938
Cylinder Head for 1400HP DEMU for BDGM - 08 nos.	CAP	688	1	687
Complete bogie frame for 1400HP for SSB - 01 nos.	CAP	550	1	549
Turbo super charger for 1600 HP DEMU for SSB - 01 nos.	CAP	748	1	164
Injector for 1600 HP DEMU for SSB - 08 nos.	CAP	1687	1	726
Cylinder head for 1600 HPP DEMU for SSB - 08 nos.	CAP	988	1	515
Traction Alternator for 1400 HHP DEMU BHEL Model No-7003BX or CGL Model No 1012 for LKO - 01 nos.	CAP	3089	1	276
Traction Motors for 1400 HHP complete DEMU/BHEL/CGL make - 02 nos.	CAP	4090	1	2931
18.5 K V Aux. Alt. with RRU for 1400 HHP for LKO - 01 nos.	CAP	242	1	164
Bogie Complete for DPC for 1400 HP DEMU for LKO - 02 nos.	CAP	1100	1	8863
Bogie Complete for DTC for 1400 HP DEMU for LKO - 01 nos.	CAP	550	1	275
Motor Suspention Unit (MSU) complete CGL for LKO - 02 nos.	CAP	670	1	938
Total Coaching	**CAP**		**32**	

pli issue Fair
7/5/18

Government of India
Ministry of Railways
(Railway Board)

No.2017/M (PU)/1/23 New Delhi, dt. 07.05.2018

The General Manager (Mech.),
N.C. Railway,
Allahabad.

Sub: Itemised Rolling Stock Programme for the year 2018-19– Costing below rupees 2. 50 Crore each.

A copy of approved works of Itemized RSP (New Acquisitions) for the year 2018-19, costing below rupees 2.50 crore each is enclosed herewith for printing in the List of Approved Works for 2018-19, along with the other works costing below rupees 2.50 crore each. A list of works for inclusion in the LAW book for 2018-19 for the other plan heads is being circulated separately by Budget Branch of Railway Board. It may be ensured that the allotment of funds to the individual items is kept within the overall allotment under lump sum provision.

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Please acknowledge the receipt

7.5.18

(Govind Pandey)
Director Mech.Engg.(PU),
Railway Board.

08/05/18
Signature
Date of Issue

NORTH CENTRAL RAILWAY

ROLLING STOCK PROGRAMME FOR 2018-19

NEW ACQUISITION

Works Costing **Below** Rs. 2.50 crores

Locomotives

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
JHS - Wheel Set Assemly WDG4 to HHP Pt. No. - 40076742 & DLW Pt. No. 17020992 [For HHP Locomotive]. (Qty. - 06 Nos.)	DF-3	5210	1	5209
JHS - Engine Block for 3100 HP Diesel Electric Locomotive for DSL Jhansi. (Qty. - 01 Nos.)	RRSK	4656	1	4655
JHS - Motorized Wheel Set for WDM3D Locos for DSL Jhansi. (Qty. - 06 Nos.)	CAP	18792	1	18791
JHS - Turbo Super Charger to DLW Pt. No. 16080087 [For HHP Locomotive]. (Qty. - 01 No.)	DF-3	5588	1	5587
JHS - 54" Radiator cooling Fan to DLW Pt. No. 18090023 for DSL Jhansi. (Qty. - 02 Nos.)	DF-3	1063	1	1062
JHS - Traction Motors for 4500 HP to DLW Pt. No. 18080017 [For HHP Locomotive] at DSL/JHS. (Qty. - 04 Nos.)	DF-3	10048	1	10047
JHS - Traction Alternator to DLW Pt. No. 18020010 [For HHP Locomotive] at DSL/JHS. (Qty. - 01 No.)	DF-3	7738	1	7737
JHS - Dynamic Blower Grid Fan Assly. to DLW Pt.No. 17451759 [For HHP Locomotive]. (Qty. - 01 No.)	DF-3	407	1	406
JHS - Governor ILR-PGEV to DLW Pt.No. 16340012 (for 4500 H.P.) (Qty. - 02 Nos.)	DF-3	1191	1	1190
JHS - Main Engine Crank Shaft for HHP locomotive to DLW Pt. No. 16140163 [For HHP Locomotive]. (Qty. - 01 No.)	DF-3	2187	1	2186
AGC - Computerized LCC - Governor System (CLCC) for DPC of 1400 HHP DEMU Shed/AGC. (Qty. 01 No.)	DF-3	608	1	607
JHS - Air Dryer (Twin Tower Heatless regenerative type Air Dryer without final filter with memory features and Muffler along with mounting bracket (suitable for ALCO locomotive) RDSO Specification No. MP-0.01.00.06(Rev.-05) march 2011 and STR No. MP.STR.BK.01.06.11 (Rev.001) July 2011). (Qty.-10 Nos.)	CAP	1844	1	1843
JHS - Spare parts for Computer Controlled Brake System (CCB-II), comprising of 37 items at DSL-JHS. (Qty. - 01 Set)	DF-3	2657	1	2656
JHS - Air Compressor to DLW Pt. No. 17480012 for HHP Locomotive [HHP] for DSL Jhansi. (Qty. - 01 No.)	DF-3	985	1	984
JHS - Wheel Set Assly. WDP4 locos. (Qty. - 06 Nos.)	DF-3	6300	1	6299
Armature for Traction motor HS15250A- Qty10 nos. @ Rs.9.77 lakhs each	RRSK	9770	1	9769
Microprocessor based Speedometer cum Recorder and monitoring system (ESMON) for Electric Locos.-Qty-15 nos. @ Rs.2.54 lakhs each.	RRSK	3810	1	3809
Complete Traction motor type 6FRA6068 6 Poles/Alternating current Asynchronous motor- Qty-02 nos. @ Rs.21.19 lakhs each	CAP	4238	1	4237
WAG-7 loco wheel set with Axle Box- Qty-04 nos. @ Rs.6.50 lakhs each	RRSK	2600	1	2599

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
WAP-4 locos wheel set with Axel Box- Qty-03 nos. @ Rs.5.88 lakhs each	RRSK	1764	1	1763
WAG-9 loco wheel set with Axel Boxes 3phase Locos-Qty-05 nos. @ Rs.10.58 lakhs each	RRSK	5290	1	5289
ESMON (Speedometers) - Qty-08 nos. @ Rs.2.40 lakhs each	RRSK	1920	1	1919
TM stator for 3 phase loco - Qty-03 nos. @ Rs.7.66 lakhs each	CAP	2298	1	2297
TM rotors for WAG-9 loco - Qty-03 nos. @ Rs.5.20 lakhs each	CAP	1560	1	1559
PANEL TRI-PLATE - Qty-01 no. @ Rs.6.50 lakhs each	CAP	650	1	649
Auxiliary motor sets for 3 phase loco (TM blower, TM/MR scavengers, TFT oil pump)- Qty-01 nos. @ Rs.19.79 lakhs each	CAP	1979	1	1978
Main compressor WAG-9 locomotive (Elgi make model no. RR-20100) - Qty-04 nos. @ Rs.5.10 lakhs each	CAP	2040	1	2039
Spring and damper for WAG-9 H electric loco - Qty-01 nos. @ Rs.8.20 lakhs each	CAP	820	1	819
Window based data diagnostic test kit for WAG-9, 3 phase loco - Qty-01 nos. @ Rs.12.52 lakhs each	CAP	1252	1	1251
VCB for WAG-9, 3 phase loco - Qty-02 nos. @ Rs.6.03 lakhs each	CAP	1206	1	1205
Axle Box complete end assembly for WAG-7 loco - Qty-20 nos. @ Rs.0.71 lakhs each	CAP	1420	1	1419
Axle Box complete middle assembly for WAG-7 loco- Qty-10 nos. @ Rs.0.71 lakhs each	CAP	710	1	709
VCB for WAG-7/WAP-Qty-10 nos. @ Rs.3.02 lakhs each	RRSK	3020	1	3019
ARNO- Qty-03 nos. @ Rs.15.30 lakhs each	RRSK	3060	1	3059
Compressor for WAG-9 loco (1750 LPM OIL FREE)-Qty-02 nos. @ Rs.15.60 Lakhs each	CAP	3120	1	3119
VCD (Vigilance Control Device) -Qty-15 nos.@ Rs.1.25 lakhs each	CAP	1875	1	1874
EPC contactor with ARC chute for WAG-9 Loco - Qty-01 nos. @ Rs.19.78 lakhs each	CAP	1978	1	1977
PC-8 Relay - Qty-09 nos. @ Rs.0.08 lakhs each	CAP	72	1	71
Smoothing Reactor (SL) -Qty-05 nos. @ Rs.10.94 lakhs each	CAP	5470	1	5469
Set of high capacity CTF-1, CTF-2, CTF-3 - Qty-05 nos. @ Rs.5.16 lakhs each	CAP	2580	1	2579
Compact Design of updated Silicon Rectifier AC Single phase loco.- Qty-02 nos. @ Rs.15.79 lakhs each	CAP	3158	1	3157
Total Locomotives	**CAP**		**20**	
	RRSK		**9**	
	DF-3		**12**	
Carriages				
JHSW - Supply of 580 Wheel Sets (16T) at JHSW. (Qty. - 100 Sets)	RRSK	13413	1	13412
JHS - Replacement of One Set of 02 seater & 03 seater Complete chairs of AC Chair Car Coach (WGACCZ) (Qty. - 01 Complete Set for 01 WGACCZ Coach)	RRSK	600	1	599
AGC - Bogie complete for DPC of DEMU (1400 HP) with MSU and BULL gear (02 nos.) as per ICF Drg. No. 3240000100001 for DEMU-Shed/ AGC. (Qty. - 01 No.)	DF-3	2915	1	2914

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
AGC - Main Rectifier to BHEL Part No. 36670600-385R08 for 1400 HHP DEMU required for DEMU-Shed/AGC. (Qty. - 01 No.)	DF-3	1272	1	1271
AGC - Traction Motor Complete Type TM4303DY to for BHEL Part No. 043910-80001V01 for DPC of 1400 HHP DEMU required for DEMU-Shed/AGC. Qty. - 01 Nos.).	DF-3	2449	1	2448
AGC - Bogie Complete for TC of DEMU (1400 HP) as per ICF Drg. No. 2980070100001 for DEMU-Shed/ AGC. (Qty. - 01 No.)	RRSK	1688	1	1687
AGC - Control Cubicle to BHEL Drawing No. 15730030087R05 Required for 1400 HHP DEMU-DPC for DEMU-Shed/ AGC. (Qty. - 01 No.).	DF-3	858	1	857
AGC - Motor Switch Group to BHEL Drawing No. 0573030062R02 Required for 1400 HHP DEMU-DPC for DEMU-Shed/ AGC. (Qty. - 01 No.).	DF-3	628	1	627
AGC - Wheel Set for TC of DEMU (1400-HHP) as per ICF Drawing No. 0130230400001 for DEMU-Shed/ AGC. (Qty. - 06 Nos.)	DF-3	1444	1	1443
AGC - Wheel Set Assembly with MSU and Bull Gear for DPC of 1400 HHP DEMU as per ICF/Chennai Drg. No. 0890200100016 Alt. 'W' for DEMU-Shed/ AGC. (Qty. - 02 Nos.)	DF-3	1360	1	1359
Total Carriages	**RRSK**		**3**	
	DF-3		**7**	

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7/5/18

Government of India
Ministry of Railways
(Railway Board)

No.2017/M (PU)/1/23 New Delhi, dt. 07.05.2018

The General Manager (Mech.),
N.E. Railway,
Gorakhpur.

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(Govind Pandey)
Director Mech.Engg.(PU),
Railway Board.

08/05/18
Date of issue

NORTH EASTERN RAILWAY

ROLLING STOCK PROGRAMME FOR 2018-19

NEW ACQUISITION

Works Costing **Below** Rs. 2.5 crores

Locomotives

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
wheel set Assly. Without Traction Motor for WDG4 D locos, PL NO.17020992 - 02 nos.	CAP	2074	1	2073
wheel set Assly. Without Traction Motor for WDG4 D locos, PL NO.17020993 - 02 nos.	CAP	2622	1	2621
Water Cooled Air Compressor For HHP locos, EMD Pt.No.40017843,PL NO. 17480012 - 01 nos.	CAP	1223	1212	11
TCC ELCTRONIC BLOWER WITH MOTOR FOR HHP LOCOS emd Pt.No.10635350,PL.NO.17453008 - 01 no.	CAP	489	1	488
Dust Bin blower with motor for HHP locos EMD Pt.No.2800494,PL No.17050054 - 01 no.	CAP	79	1	78
Radiator Fan with motor Assly for HHP, EMD Pt.No.1063019,PL.NO. 18090023 - 02 nos.	CAP	1215	1	1214
DB Grid fan with with motor for HHP locos EMD Pt.Npo.10631-2019,PL NO. 17451759 - 01 no.	CAP	473	1	472
Governor Booster Pump & Motor assly for HHP locos, EMD Pt.No.40030890, PL.NO. 16241526 - 01 no.	CAP	84	1	83
Engine Governer Assly. For 4500 HP EMD P.No.4005645,PL NO. 16340036 - 01 nos	CAP	962	1	961
Resister Grid Dynamic Braking (Non Fan Tap) for HHPlocos,PL. NO. 1825038 - 02 nos.	CAP	407	1	406
Resister Grid Dynamic Braking (Fan Tap) for HHPlocos,PL. NO. 18250040 - 02 nos.	CAP	403	1	402
Turbo Lube oil soak Pump Motor (DC) for locos, EMD Pt.No.4947308,PL. NO.16060210 - 02 nos.	CAP	53	1	52
Controller Assly.Dynamic Brake for HHP locos,EMD Pt. No.40055299,PL.NO.17050455 - 02 nos.	CAP	393	1	392
After Cooler Assely for HHP locos, EMD Pt.No. 40113590, PL. NO. 16080919 - 02 nos.	CAP	628	1	627
Traction Motor bloewer with motor assemblpy for HHP locos, EMD Pt.No. 10649239, PL.NO. 17051253 - 01 no.	CAP	339	1	338
Unit Fulel Injection (Ecotip Super stake injector) for HHP locos, EMD Pt.No. 40083540,PL. NO. 16241186 - 16 nos.	CAP	894	1	893
Turbo clutch Assly for HHP locos, EMD Pt.NO. 40001044, PL.NO. 16060490 - 01 no.	CAP	1087	1	1086
Engine Crack Shaft Assly for HHP locos. Drg.NO. 9557162,PL.NO. 16140163 - 01 no	CAP	2134	1	2133
Air Dryer Assembly for HHP locos, PL. NO. 11810725/17450810 - 02 nos.	CAP	317	1	316
Air Brake Pneumatic Valve & CRU Card for HHP locos, PL.NO. 17455674 - 02 nos.	CAP	748	1	747
Starter Motor for HHP locos, EMD,Drg.NO. 10478829, PL.NO. 18090011 - 01 nos.	CAP	103	1	102
Power Assembly, Fork Rod for HHP locos, EMD Pt.No.40028014 PL.NO. 163550017 - 08 nos.	CAP	4528	1	4527
Oower Assembly, Blade Rod for HHPlocos, EMD Pt No. 40028015,PL NO. 16350029 - 08 nos.	CAP	4680	1	4679
Traction Motor for WDP4D, EMD Pt.No. 40086753,PL. NO.18080017 - 02 nos.	CAP	6950	1	6949

Traction Motor for WDG4, EMD Pt.No. 40075428,PL. NO.18080017 - 02 nos.	CAP	6950	1	6949
Spare parts for (CCB 1.5) System as per RDSO Specn. No.MP. 0.01.00.20. Rev.02 April'2010 (02 loco set).	CAP	4227	1	4226
Spare parts for CCB-II IR System as per RDSO specn. No. MP.0.01.00.20 Rev .02 April 2010 (02 loco set)	CAP	3844	1	3843
Wheel Set with roller sssuspension Bearing (Non Equalize Type) for WDM3D locos , PL. NO. 11982652 - 02 nos.	CAP	1836	1	0
Self Cleaning Automatic Lube Oil Filter (Mrake -Alfa -level) for WDM3D Drg.No. TPL-,PL.NO. 1664137 - 01 nos.	CAP	508	1	0
Self Cleaning Automatic Lube Oil Filter (Make- Ball & Kritch) for WDM3D PL NO.11664137 - 01 no	CAP	430	1	429
Modifoied Large after cooler core assly with top & bottom cover are WDM3D locos, PL. NO. 10082785 - 02 nos.	CAP	432	1	431
Turbo Super Charger (ABB) 3100/3300 HP for WDM3D, PL. NO.100834479 - 01 no	CAP	1768	1	1767
Turbo Super Charger ,GE Model 7S176H for WDM3D locos. - 01 no.	CAP	2038	2037	1
Air Compressor for WDM3D, Drg.NO. TPL-2377, PL.NO 11487501/11489455 - 01 nos.	CAP	562	1	561
Fuel Injection Pump 18MM for WDM3D locos. PL.NO. 10052197 - 16 nos.	CAP	388	1	387
Engine Crack Shaft (BG) for 16 Cyl. WDM3D, PL.NO. 10141790 - 01 no	CAP	1733	1	1732
Motorized Wheel Assembly for WDP4 D loco. - 02 nos.	CAP	2323	1	2322
Motorized Wheel Assembly for WDG4 D loco. 0 2 nos.	CAP	2041	1	2040
W.W. Governer for HHP Locos. - 01 nos.	CAP	921	1	920
Traction Motor for HHP Locos. - 02 nos.	CAP	5126	1	5125
Turbo Super charger for HHP Locos, Pt.No. 16080087 - 01 nos.	CAP	4529	1	4528
Air Compressor for HHP Locos, PL.NO. 17480012 - 01 nos.	CAP	1076	1	1075
CCB -II Brake System for HHP Locos. - 01 set	CAP	3484	1	3483
Remote Monitoring & Management of Locomotive & train (REMMLOT) as per RDSO Spec.No. MP.0.04.02.04 Rev.5 January 2012 - 05 sets	CAP	2139	1	2138
Power Rectifier (Separately Mounted) - 01 nos.	CAP	1538	1	1537
Micro cotroller based paperless speed recorder& indicator MRT-918 - 10 nos.	CAP	1632	1	1631
Traction Alternator TA 10102EV - 01 nos.	CAP	7413	1	7412
Traction Motor TM 4907 BZ with pinion. - 02 nos.	CAP	7154	1	7153
Auxiliary Generator Type AG3101AY to Drg.No.14330022001V00. - 02 nos.	CAP	1589	1	1588
Centrifugal Lube Oil Cleaner DLW Pt. No.10244372 - 010 nos.	CAP	337	1	336
Motorized Wheel Set Assembly for WDM3A - 02 nos. (one loco set)	CAP	3678	1	3677
Motorized Truck Assembly for WDP4 D loco. - 01 nos. (one loco set)	CAP	15783	1	15782
Motorized Truck Assembly for WDG4 D loco. - 01 nos. (one loco set)	CAP	15565	1	15564
Total Locomotives	**CAP**		**3300**	
Carriages				
Complete Assembled 16 T crasfworthy Bogies for CBC Fitted Coach. 02 Nos. Bogie	RRSK	1362	1	1361
Fiat Bogie with coil Spring for Double decker coaches 04 Bogie	CAP	13355	4193	9162

Complete Air spring bogie 16T for CBC fitted coaches. 01 coach	RRSK	1386	1	1385
Complete Air spring bogie 13T for CBC fitted coaches. 04 Bogie	RRSK	2775	1	2774
LCC Governor for DEMU 1400 HP , Pt. NO. 3167062. - 01 nos.	CAP	270	1	269
Turbo Charger for DEMU 1400 HP, Pt.No. 3594106 - 01 nos.	CAP	247	1	246
Motor Starting for DEMU 1400 HP , Pt.No. 3651893 - 02 nos.	CAP	385	1	384
Motor Hydraulic for DEMU 1400 HP , Pt.No. 3875986 - 02 nos.	CAP	609	1	608
Pump Hydraulic DEMU DPC 1400 HP Pt. No. 3876878 - 02 nos.	CAP	760	1	759
Air Compressor Model No.RR-15070 for DEMU - 01 no.	CAP	524	1	523
Capital Spares for BG DEMU' DPC-Cummins Emngine 1400HP, BHEL & ELGI Make Item as per list for Izatnagar Division - 01 no.	CAP	13136	1	13135
Total Carriages	**CAP**		**4200**	
	RRSK		**3**	

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7/5/18

Government of India
Ministry of Railways
(Railway Board)

No.2017/M (PU)/1/23 New Delhi, dt. 07.05.2018

The General Manager (Mech.),
N.F. Railway,
Guwahati.

Sub: Itemised Rolling Stock Programme for the year 2018-19– Costing below rupees 2. 50 Crore each.

A copy of approved works of Itemized RSP (New Acquisitions) for the year 2018-19, costing below rupees 2.50 crore each is enclosed herewith for printing in the List of Approved Works for 2018-19, along with the other works costing below rupees 2.50 crore each. A list of works for inclusion in the LAW book for 2018-19 for the other plan heads is being circulated separately by Budget Branch of Railway Board. It may be ensured that the allotment of funds to the individual items is kept within the overall allotment under lump sum provision in Pink Book.

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(Govind Pandey)
Director Mech.Engg.(PU),
Railway Board.

08/05/18

NORTHEAST FRONTIER RAILWAY

ROLLING STOCK PROGRAMME FOR 2018-19

NEW ACQUISITION

Works Costing **Below** Rs. 2.5 crores

Locomotives

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost
SGUJ-Alternator for NDM6 locos. - 05 nos.	CAP	418
SGUJ-Engine Power Pack Complete of NDM6 locos. - 02 sets.	CAP	6183
SGUJ-Wheel Set Assy. Without T/M of WDG4 Locos. - 02 nos.	CAP	2109
SGUJ-Wheel Set Assy. Without T/M of WDP4 Locos.- 02 nos.	CAP	2136
SGUJ-Governor Assly for 4500 HP. - 01 no.	CAP	954
SGUJ-Air Compressor of EMD loco. Part No.-40017843 - 01 no.	CAP	1222
SGUJ-Kit for Compact Modular Micro Processor controlier Air Brake system with advanced features for WDG4D and WDP4D Loco & as per Drg.No-17459760) - 01 no.	CAP	3350
SGUJ-Crank Shaft for HHP Loco DLW Part No.-16140163. - 01 nos.	CAP	3847
SGUJ-TCC Electronic blower Motor of EMD loco. Part No.-2804094 - 02 nos.	CAP	78
MLDT-Motorised Wheel set assembly for WDM3D Locos - 03 nos.	CAP	6799
MLDT-Stick type master controller for Diesel locomotives, BHEL Model no-MC 03802B and BHEL drg.no- 25770030011 Rev-01 without BKCP - 15 nos.	RRSK	963
MLDT- Bogie Frame assembly to DMW PL no-11520760 for WDM3A Locos - 02 nos.	RRSK	1924
MLDT-Mechanically Bonded Radiator Assembly (for 3100 H.P Loco) to PL No: 11458227 - 03 nos.	RRSK	5443
MLDT- High capacityPlate Type Lube Oil Cooler (PTLOC) to DMW PL No-11457260. - 05 nos.	RRSK	1093
MLDT- Turbo Super charger 3100HP to part no-10083479, type ABB, Model no-TPR-61 - 01 nos.	RRSK	2234
MLDT- Fabricated A.T.H.S. Bogie frame without Motorised Wheel set assembly to DMW PL--11892559 for WDM3D locos - 02 nos.	RRSK	2065
MLDT-Auxiliary Generator Type AG3101AY To PL No 12705500. - 02 nos.	RRSK	1643
MLDT-Rectifier, Alternator Mounting type for Traction Alternator 10102 EV of BHEL or Equivalent to DMW PL No. 12705585. - 02 nos.	RRSK	929
MLDT- Grid for Roof Mounted BKBL Drg. No: DRI/DBSH/02 Resistance value - 0.5 ohms (+7% - 5%) for WDM3A/WDM3D Locomotive .Equivalent to DLW part No.EL/PT/0631 Alt-R1 - 01 nos.	RRSK	597
NGC-Supply, Commissioning and Testing of Microprocessor based control system with automatic flasher light control, Multi setting VCD, Event recorder on BG loco as per RDSO specification no.MP.0.24.00.26 (Rev 0.06) March 2010 or latest - 01 no.	CAP	3479
NGC-Roof mounted Dynamic Brake Grid Resistor with BKBL for use in WDM3A & WDG3A locomotives - 01 set	RRSK	1638
SGUJ-Final Drive Complete for NDM6 locos. - 02 sets	CAP	13098

Particulars	Allocation	Anticipated Cost
		(Figure in thousand of Rupees)
SGUJ-Motorized Truck Assembly of WDP4 Loco. Part No.-40087065 - 01 nos.	CAP	20058
SGUJ-Motorized Truck Assembly of WDG4 Loco. Part No.-40075078 - 02 nos.	CAP	20971
Carriages		
DBWS - complete seat set of AC JS satabdi express 1 set	RRSK	673
DBWS - complete seat set of 3 seater for NAC class II AC JS satabdi express 2 sets	RRSK	1430
DBWS - Air Brake Equipments (BG/ICF, Bogie Mounted) 20 sets	RRSK	1302
DEMU SGUJ-Injector set , part No: 3076132 for 1400HP DEMU - 08 nos.	CAP	923
DEMU SGUJ-Complete set of Traction Motor , type TM-C 1005TM suitable for DEMU 1400 HP DEMU , make - CGL[Details of complete set of TM [a] CGL Make traction motor , Type - C 1005 TM for 1400 DEMU. [b] Suspension item. [c[Suspension tube type CGM 106801 R4. [d] Gear case assembly type CGM 106203 R1. [e] Gear wheel 91 teeth type CGM 3062061. - 02 nos.	CAP	6018
DEMU SGUJ-Actuator for DPC of DEMU, CIL Part No-3875875 - 02 nos.	CAP	539
DEMU SGUJ-Air suspension spring 180 KN of TC for 1400 HHP DEMU - 02 nos.	CAP	1390
DEMU SGUJ-Air spring Assembly for 1400 HP DEMU DPC - 02 nos.	CAP	1390
DEMU SGUJ-960KW traction Alternator of 1400HP DPC of DEMU rake , Model-TT-5400S, make : BHEL - 01 no.	CAP	2420
DEMU SGUJ-Bogie Complete With wheel sets with Air Suspension for Trailer Coach (TC) of DEMU rake - 02 nos.	CAP	3773
DEMU SGUJ-Auxiliary Alternator 18.5KW with RRU, for 1400HP DEMU of make: KEL - 01 no.	CAP	377
DEMU SGUJ-Traction Motor for 1600HP I GBT DEMU, Model: TME-48-45-6, Medha part no- SP648V27109 - 02 nos.	CAP	5305

pli 18th Feb
7/5/18

Government of India
Ministry of Railways
(Railway Board)

No.2017/M (PU)/1/23 New Delhi, dt. 07.05.2018

The General Manager (Mech.),
N.W. Railway,
Jaipur.

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(Govind Pandey)
Director Mech.Engg.(PU),
Railway Board.

08/05/18
Signature
Date of issue

NORTH WESTERN RAILWAY

ROLLING STOCK PROGRAMME FOR 2018-19

NEW ACQUISITION

Works Costing **Below** Rs. 2.50 crores

Locomotives

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Cover & Seal Assembly to EMD Pt. No. 9544764 & DLW Pt. No. 16030278 - 24 nos.	CAP	460	1	459
Cover Assembly Accessory Drive to EMD Pt. No. 9529285& DLW Pt. No. 16130224 - 04 nos.	CAP	619	1	618
Air Compressor to EMD Part No 40017843 - 02 nos.	CAP	1258	1	1257
Governor Assly Engine to EMD Pt No. 40041389 - 02 nos.	CAP	1657	1	1656
Power Assemblies (Fork Rod) to EMD Part No 40028370 - 08 nos.	CAP	4314	1	4313
Power assemblies (Blade Rod) to EMD Part No - 08 nos.	CAP	3611	1	3610
Lube Oil Pump Main to EMD Pt No. 40046462 & DLW Pt. No. 16060027 - 5 nos.	CAP	681	1	680
Lube Oil Scavenging Pump to EMD Pt. No. 8429304 & DLW Pt. No. 16060090 - 5 nos.	CAP	550	1	549
Injector Assembly Mechanical Unit to EMD Pt. No. 40083540 - 32 nos.	CAP	1491	1	1490
Auxiliary generator drive assembly utex no. 40044946 to emd part no. 8460738 & dlw pt. No.16080040 - 5 nos.	CAP	1084	1	1083
Expansion Joint Adopter to Turbo to EMD Pt. No. 8408987, - 20 nos.	CAP	1434	1	1433
Water Pump Overhauling Kit to EMD Pt. No. 40000927 & DLW Pt. No. 16070124 - 75 nos.	CAP	1043	1	1042
Cover Assembly Hand Hole to EMD Pt. No. 9315109 & DLW Pt. No. 16020406 - 320 nos.	CAP	543	1	542
Traction motor P4 to EMD Pt No. 40086753 - 02 nos.	CAP	7762	1	7761
Traction motor G4 to DLW Pt No. 18080017 - 02 nos.	CAP	4040	1	4039
Motorized Truck assly for P4 (Motor EMD Pt. NO. 40086753) - 01 nos.	CAP	12000	1	11999
Motorized Truck assly for WDG4 (Motor DLW Pt. NO.18080017) - 01 nos.	CAP	12000	1	11999
EM2000 with Modules - 01 nos.	CAP	4228	1	4227
Governor Booster Pump Motor EMD Pt. No. 40030890 & DLW Pt. No. 16241526 - 10 nos.	CAP	422	1	421
Motor Outline EMD Pt. No. 4947308 & DLW Pt. No. 16060222 - 10 nos.	CAP	776	1	775
Contactor Kit for Contactor 325 A, 3 Pole to EMD Pt. No. 40037904 as per EATON Pt. No. 6-45-2 - 50 nos.	CAP	1797	1	1796
Contactor Kit for Contactor 150 A, 2 Pole to EMD Pt. No. 40124229 as per EATON Pt. No. 6-43-7 - 50 nos.	CAP	624	1	623
Wheel set Assly without TM suitable for WDP4 HHP locomotives to EMD Pt. No. 10662497 & DLW Pt. No. 17230151 - 6 nos.	CAP	1200	1	1199
Wheel set Assly without TM suitable for WDG4 HHP locomotives to EMD Pt. No. 40077314 & DLW Pt. No. 17230032 - 06 nos.	CAP	1200	1	1199
Contactor 325 A - 25 nos.	CAP	2566	1	2565
One Nos. Finished Axle to DLW Pt. No. 17230020, Two Nos. Finished Wheel to DLW Pt. No. 17230159 & Two Set Bearing Adopter Assembly with Journal Bearing to DLW Pt. No. 17021170 - 03 nos.	CAP	1490	1	1489

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Motorized Wheel Set Assembly G4 (Motor EMD Part No. 40173040) - 02 nos.	CAP	6163	1	6162
Wheel Set Assembly without Traction Motor suitable for WDG4 HHP locomotives to EMD Part No. 40077314 & DLW Part No. 17230032 - 06 nos.	CAP	1212	1	1211
Manual Uncoupling Device Complete Set Part No. 095105000 (For DLW & CLW) Faiveley Drawing No. AZ0950216 & AZ0950217 for Alco loco - 08 nos.	CAP	155	1	154
Cover Assembly Accessory Drive to EMD Part No. 9571255 suitable for HHP locomotive - 5 nos.	CAP	985	1	984
After Cooler Core Assembly to EMD Part No. 40020875 - 6 nos.	CAP	1911	1	1910
Piston Cooling and Main Lube Oil Pump to EMD Part No. 40046462 - 04 nos.	CAP	675	1	674
Scavenging Lube Oil Pump to EMD Part No. 8429304 - 03 nos.	CAP	518	1	517
Water Pump Right Bank to EMD Part No. 40004235 - 06 nos.	CAP	558	1	557
Water Pump Left Bank to EMD Part No. 40004234 - 06 nos.	CAP	558	1	557
Governor Assembly Engine to EMD Part No. 40041389 suitable for HHP locomotive - 01 no.	CAP	771	1	770
Mechanically Bonded Radiator Assembly for WDM3 Alco locomotive to DLW Pt. No. 11458227 - 02 nos.	CAP	2781	1	2780
Air Compressor to EMD Part No. 40017843 suitable for HHP locomotive - 01 nos.	CAP	546	1	545
Kit for Computer Controlled Brake System (CCB II-IR) as per RDSO Specification No. MP.0.01.00.24, (Rev.01) Jan 2010 Drawing No. 17459760 Alt-NIL, Item-2, PL No. 17459760 suitable for HHP locomotive 01 no.	CAP	3548	1	3547
Fuel Tank Assembly Complete Capacity 6000 Ltrs as per Drawing No. 17036800 Alt-A - 01 no.	CAP	174	1	173
Traction Motor type 3phae induction motor without pinion for 4500 HP WDG4 locomotives to DLW Part No-18080017 and RDSO Specification No.- MP.0.2400.52 Rev -02, July 2013 - 01 no.	CAP	2040	1	2039
52 Inch DB Fan motor assembly with Fan Guard for ALCO Loco Roof mounted forced cooled Dynamic Braking Hatch assembly (RMDBR) as per DMW purchase specification no. DEL/SPN-217 (alt.-A1 or latest), DMW drawing no EL/PT-0735 ALT –Z or latest; RDSO STR No. MP.STR. EM.02.02.12 (Rev.-01), July, 2015. - 01 no.	CAP	225	1	224
TCC Blower Motor Assembly to EMD Part No.-40129591, suitable for EMD locomotives - 01 no.	CAP	1337	1	1336
Traction Alternator for Alco locomotives to BHEL drawing No.-04300025010V00,Type-10102 EV - 01 no.	CAP	4414	1	4413
Alternator Mounted Rectifier as per RDSO specification No. MP.0.24.02.20 (Rev 00) April-2009, suitable for mounting on alternator Type-10102 EV - 01 nos.	CAP	1018	1	1017
Pump and Motor Assembly Booster pump 04 HP 115 Volt single phase 9000 RPM includes 2.16 AWG leads 03FT long to DLW Part No.-16241526 and EMD part No.- 40030890 - 02 nos.	CAP	136	1	135
Total Locomotives	CAP		46	

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Carriages				
Air Springs 120 KN of LHB Double Decker coach Bogie, total costing Rs 11,07,768/-for inclusion in Itemised Rolling Stock Programme 2018-19 Qty 4 Nos.	CAP	1108	1	1107
Assembled FIAT Bogies with Axle mounted disc brake system for Double Decker AC Chair LHB coaches Qty 1 Nos.	CAP	5773	1	5772
Proposal for Conversion of LHB LS,LS-I,LS-2,LS-3 (Fitted with helical springs in secondary stage) to LS-5 (Fitted with 140KN Air Spring in Secondary Suspension) coaches Qty 3 Nos.	RRSK	21634	1	21633
Load Control Card/Governor, Lcc 107b1, 24 V Dc & 107b2, 110v Dc To Cummins Part No. 31067062 & 3167063 Or Computerized Lcc System Model No. Ui-1401 Of M/S United Industries Erode - 01 Nos.	CAP	577	1	0
Crompton Greaves Make Traction Alternator Type C1012ta For 1400hp Demu/Dpc - 01 Nos.	CAP	1245	1	0
Crompton Greaves Make Traction Motor Type C1005 Tm With Pinion Only And Withourt Any Accessories For 1400hp Demu Dpc - 01 Nos.	CAP	2513	1	0
18.5kw Rectifier Cum Regulator Of Magnetic Amplifier Type As Per Kel Drg. No. 18-A 3030 Alt.3 Suitable For 1400hp Demu - 02 Nos.	CAP	278	1	0
Flex Plate To Cil Part No. 3392286 Or Equivalent For Engine Model No. Vta1710-L For Demu Dpc 700hp - 01 Nos.	CAP	971	1	0
Air Spring Assembly 180kn To Rdso Str No. C-K406 (Rev. 2) With "O" Rings And Fasteners As Per Annexure "Q" For 1400hp Demu/Dpc - 01 Nos.	CAP	496	1	0
Auxilary Alternator Make Bhel For 1400 Hhp Demu Dpc - 01 Nos.	CAP	695	1	0
Bhel Make Blower Motor Bhel Drawing No : Bp9047566955 For 1400 Hhp Demu Dpc - 06 Nos.	CAP	543	1	0
Modular Brake Controller 1400hhp Demu, Escorts Part No Esbc-Ii (M) 6070 - 02 Nos.	CAP	284	1	0
Master Controller For 1400 Hhp Demu Make: Cgl - 02 Nos.	CAP	359	1	0
Main Rectifier Unit Bhel, Bhel Drawing No 36670600385r08 For 1400hhp Demu - 01 Nos.	CAP	1255	1	0
Master Controller With Reverse Key Make: Bhel, Bhel Drawing No: 05770030012r06 For Demu 1400 Hhp - 02 Nos.	CAP	364	1	0
Compressor Elgi Model Trc2507 With Accessories For 1400 Hp Demu Dpc - 03 Nos.	CAP	756	1	0
Amplifier Power #Cummins Item No 3167062 For Demu 1400 Hhp - 05 Nos.	CAP	1338	1	0
Dmu/Tc Bogie 1400 Hhp(Msu & Bull Gear Not Required) #2980070100001 - 01 Nos.	CAP	1297	1	0
Micro Controller Based Electronic Speed Indicating And Recording System As Per Rdso Specification Mp.0.3700.07 Rev-06 October-2015 Consisting Of Following Items: (A) Speed Indicating And Recording System-01 Nos. (B) Pulse Generator – 01 Nos. (C) Junction Box-01 Nos. (D) Set Of Cables- 01 Set Of 02 Nos. (E) Mounting Accessories- 1 Set Technical Requirement: 1. Voltage 110vdc 2. Scale Range 0-120 Model: Medha Servo - 05 Nos	CAP	626	1	0
Actuator Cil Part No.-3875875 For 1400hhp Demu - 04 Nos.	CAP	1100	1	0
Fuel Pump Transfercil Part No.4055107 For 1400hhp Demu - 10 Nos.	CAP	359	1	0

				(Figure in thousand of Rupees)
Particulars	**Allocation**	**Anticipated Cost**	**Outlay proposed for 2018-19**	**Balance to complete work**
Hose Flexible Cil Part No.-4056297 For 1400hhp Demu - 05 Nos.	CAP	133	1	0
Kit, Piston Engine Cil Part No.3631246 For 1400hhp Demu - 04 Nos.	CAP	316	1	0
Kit, Upper Engine Gasketcil Part No.4352581 For 1400hhp Demu - 04 Nos.	CAP	622	1	0
Head, Cylinder Cil Part No. 3646323 For 1400hhp Demu - 04 Nos.	CAP	392	1	0
Pump, Water Cil Part No.-3647030 For 1400hhp Demu - 04 Nos.	CAP	285	1	0
Pump, Lubricating Oil Cil Part No.3634648 For 1400hhp Demu - 04 Nos.	CAP	202	1	0
Total Carriages	**CAP**		**26**	
	RRSK		**1**	

Government of India
Ministry of Railways
(Railway Board)

No.2017/M (PU)/1/23 New Delhi, dt.07.05.2018

The General Manager (Mech.),
Southern Railway,
Chennai.

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(Govind Pandey)
Director Mech.Engg.(PU),
Railway Board.

08/05/18
Issue with Enclosure
Signature
Date of issue

SOUTHERN RAILWAY

ROLLING STOCK PROGRAMME FOR 2018-19

NEW ACQUISITION

Works Costing **Below** Rs. 2.50 crores

Locomotives)

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Mechanical unit injector assembly for HHP Locos @ Rs. 46,703/- each - 16 nos.	CAP	748	1	747
Kit for computer controlled brake system consisting of 13 items as per RDSO spec No.MP.0.01.00.20 Rev.02 April'10 @ Rs. 36.66 lakh each. - 01 nos.	CAP	3666	1	3665
Radiator assembly set consisting of radiator right & left to DLW Part No.17455017 @ Rs. 14.37 lakh per set. -02 nos.	RRSK	2874	1	2873
OIL PAN FOR PART NO.16020534 @ Rs.2.33 lakh each. - 05 nos.	RRSK	1165	1	1164
Wheel set with Roller suspension bearing for WDG4 Locos @ Rs.9.7 lakh each.- 03 nos.	CAP	2910	1	2909
Wheel set with Roller suspension bearing for WDP4 locos @ Rs.9.54 lakh each. - 03 nos.	CAP	2861	1	2860
Governor Assembly to EMD Part No.40041389 and to DLW Part No. 16340012 FOR WDP4 / WDG4 LOCOS Rs. 8.29 lakh each. - 02 nos.	CAP	1658	1	1657
Water cooled Air Compressor for WDG4 / WDP4 Diesel Locomotives - RDSO Specification No. MP-0.07.00.14 Rev. 00, June 07, Drawing No. SK.DP-3842 ,EMD PART NO.40017843 AND DLW PART No. 17480012 @ Rs.6.29 lakh each. - 03 nos.	CAP	1887	1	1886
Kit for computer controlled Brake system consisting of 13 items as per RDSO Specification No. MP.0.01.00.24.Rev.01 Jan 2010 for CCB II Brake system of HHP locomotives @ Rs.33.02 lakh per set. - 01 no.	CAP	3302	1	3301
Turbo Clutch assembly for HHP Locos @ Rs.6.42 lakh each. - 02 nos.	RRSK	1284	1	1283
Lube oil cooler assembly to DLW PART No.17050534 EMD Part No.9560308 for WDP4 / WDG4 locos @ Rs.3.83 lakh each. - 02 nos.	RRSK	766	1	765
AAR Approved Taper Roller Cartridge Bearing Class 'F' 6 ½" X 12" Complete to EMD Part No.40077969 for use of EMD Locos @ Rs.35,500/- per set. - 18 nos.	RRSK	639	1	638
Mechanically Bonded Radiator Assly (2 Core) to PL No.11666195, 11458227 @ Rs.14.64 lakh per set. - 04 sets	RRSK	5856	1	5855
VTC-304 Turbocharger for 2600 HP Engine to Part No. 10082256 Main Drawing No SKE-0857 ALT-C with Adaptation Kit @ Rs. 21.5 lakh each.. - 01 nos.	RRSK	2150	1	2149
Motorized wheel set assembly for WDM3A/3C [with new motor] 11983085 @ Rs.33.53 lakh per set. - 03 nos.	RRSK	10059	1	10058
Motorized wheel set assembly for WDG3A [with new motor] 11983073 @ Rs.27.36 lakh per set. - 3 sets	RRSK	8208	1	8207
Case hardened gear kit consists of one crankshaft gear and two camshaft gears to DMW Part No. 10991190 @ Rs.2.44 lakh per set. - 10 sets	RRSK	2440	1	2439
Modified Bogie frame with set of items for modification of WDP3A to WDP3AM Locomotives @ Rs.40.12 lakh per set. - 02sets	RRSK	8024	1	8023
Motorized wheel set assembly for WDS6 [with new motor] 11983280 @ Rs.28 lakh per set. - 02 sets	CAP	5600	1	5599
Main crank shaft for 12 cylinder BG engine block to DLW Part No. 10141935 @ Rs.27.24 lakh each. - 02 nos.	RRSK	5458	1	5457
Bogie frame assembly for WDM3D & WDG3A locos to DLW Part No.11028660 (without brake rigging components) to DLW DRG.No. TPL-2823 ALT.N and RDSO SPEC.No. VL. SPEC-6, REV.02 of April -11 AND STR NO: MP.STR.VL-02.02.11(REV.00) April-2011 @ Rs.11.07 lakh each. - 03 nos.	CAP	3321	1	3320
GE 7S1716H1 single discharge turbocharger to GE Part No; 126 X 1929 with adaptation parts kit @ Rs.18.01 lakh each - 02 nos.	CAP	3602	1	3601

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Cam shaft assyl stiffer fully machined with press forged cam segments to PL NO.10854393 @ Rs.3.19 lakh each. - 10 nos.	CAP	3190	1	3189
Turbo supercharger ABB VTC 214 to DLW part No.10083704 @ Rs.27.17 lakh each. - 01 nos.	CAP	2717	1	2716
Supply, installation and commissioning of IRAB- 1 tri plate panel mounted brake system (with compact type panel) as per DLW part number 11664733 Alt.C along with required pipes fittings as per rdso specification No.MP.0.01.00.19 (REV.01) JUNE 2010 @ Rs.6.39 lakh each. - 04 nos.	CAP	2556	1	2555
Advance trimount high speed (ATHS) fabricated bogie frame for WDM3A locomotive along with (1) Equaliser spring seat (fabricated) (2) Spring pad (happy pad) (3) Centre pivot liners (4) Horizontal liners (for oil pan) (5) Pedestal liners(6) Damper bracket @ Rs.9.30 lakh each. - 01 nos.	CAP	930	1	929
Air Compressor To Drg No.11487501 [TPL-2375] Alt-Y with RDSO Specification No. MP.0.07.00.13 [Revision-0.01] June-2009 @ Rs.4.61 lakh each. - 02 nos.	CAP	922	1	921
Main crank shaft for 6 cylinder MG engine block to DLW part No. 10141110 @ Rs.17.16 lakh each. - 01 nos.	RRSK	1716	1	1715
Tubes & accessories, Suspension bearing (10 components) For TM 4907 of ALCo locomotives- STR No. MP.STR.EM.01.01.12, (Rev.00), July' 2012 @ Rs.1.06 lakh per set. - 10 nos.	RRSK	1058	1	1057
Air dryer, Alco and EMD Locomotives (Spec.No. MP 0.01.00.06.Rev.05, March11 STR No.MP.STR. BK. 01.06.11 Rev.00,July11) @ Rs.1.82 lakh each. - 5 nos.	RRSK	910	1	909
Modified single entry exhaust manifold segment (TSC end) to RDSO Drawing No. SKDP - 4106, ALT-Nil for fitment with M/s.ABB Make TPR 61 model turbocharger @ Rs.86,320/- each. - 10 nos.	RRSK	863	1	862
Plunger & barrel assembly for 18 mm pump to Bosch Part No.F002 B10 714 @ Rs. 9,713/- - 160 nos.	CAP	1554	1	1553
Journal Axle Box Assembly with Normal Roller Bearing for WDG3A Locos as per RDSO Drg. No.SK.VL-603, Alt.6 to NEI Drg. No.171, Rev.K or to FAG Drg. No. EDD 901-27-101. 000 Ver.AB @ Rs.64,125/- - 12 nos.	RRSK	770	1	769
Fully Furnished Duly Strengthened Fabricated Bogie Frame Assembly for WDG3A [Equalizer Type] Locos, Bogie Frame Assembly-item No.1 and Brake Gear Arrangement-Item No.3 of DLW Drg. No. 11028622/11027460 [TPL-8701] Alt-d alongwith Air Truck Piping Application to DLW Drawing No.11024458 [TPL-6183] Alt-n. Details of Drawings/Part Drg./Specifications as per annexure-A attached @ Rs.7.58 lakh each.- 02 nos.	CAP	1516	1	1515
Tubes & accessories, Suspension bearing (10 components) For TM 5002 of ALCo locomotives- STR No. MP.STR.EM.01.01.12, (Rev.00), July' 2012 @ Rs. 82,388/- per set.- 09 nos.	RRSK	742	1	741
Journal Axle Box Assembly with CRU Bearing for WDM3D Locos as per RDSO Drg. No.SK.VL-603, Alt.6 to NEI Drg. No. X – 198, Rev.A or to SKF Drg. No.SKF-DP03-000, Rev.03 or to FAG Drg. No.EDD F-560534.AHB 150-Z-_A00, Ver.AE @ Rs.82,333/- - 09 nos.	RRSK	741	1	740
Axle (Rough Machined) to Part No.11231830, Drg. No. TPL 2585 @ Rs.1.20 lakh each. - 06 nos.	RRSK	720	1	719
Journal Axle Box Assembly with Normal Roller Bearing for WDM3A Locos as per RDSO Drg. No.SK.VL-603, Alt.6 to NEI Drg. No.105, Rev.M or to FAG Drg. No. EDD 901-17-101. 000 Ver.AA @ Rs.56,166/- - 09 nos.	RRSK	505	1	504
Fuel injection pump 18 mm to PL No.10052197 @ Rs.23,906/- 16 nos.	CAP	383	1	382

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Journal Axle Box Assembly with Normal Roller Bearing to YDM4 Locos as per RDSO Drg. No.SK.VL-603, Alt.6 to NEI Drg. No.92-4253 @ Rs.62,750/- per set. - 06 nos.	CAP	377	1	376
Fuel efficient cam shaft assembly for ALCO 6 cylinder engine consisting of 5 items (1) Camshaft free end segment 1&2 to DLW Drg.No.SKE-0717 Alt 'b' and Part No 10216480-1 No. (2) Camshaft inter segment 3&4 to DLW Drg.No.SKE-0718 Alt 'b' and Part No 10216492-1 No (3) Camshaft gear end segment 5&6 to DLW DRG.No.SKE -0719 Alt 'c' Part No.10216509 -1 No. (4) Pipe plug to Part No.11304285-1No. (5) Dowel to Part No.15289096-2Nos. Note: Camshaft material shall be as per DLW Specification D 81602A Revision "R10" @ Rs.67,300/- per set. - 10 sets	RRSK	673	1	672
Turbo support (with larger after cooler housing) Machining Drawing as per Drg No.TPE-15-0083 alt - zb [PL No.10082086] @ Rs.58,800/- each. - 10 nos.	RRSK	588	1	587
Gear case assembly, for traction motor type - 4907 to RDSO Drgs: 1) Top half gear case - SKDP-3633 Alt-2 (except item Nos. 18 & 47), 2) Bottom half gear case - SKDP-4071 Alt.Nil (Except item Nos. 20 & 21). with 9kg Capacity to RDSO.Mod.Sheet No.MP.MOD. EM.03.14. 10 (Rev.00) dated 29-01-2010. 3) details of gear case mounting bolt: CH-DP-201 Alt.1. (Note: for top and bottom half gear case details refer RDSO Drg.No. SK.DP-3889 Alt.Nil) @ Rs.13,900/- each. - 30 nos.	RRSK	417	1	416
Centrifuge lube oil cleaner for WDM2A/3A diesel locomotive as per DLW Drg No. SKE-1429 ALT-g or latest DLW part No. 10244372 & RDSO Specn No. MPO. 2600-09 Rev-03 of May-2005@ Rs.26,930/- each. - 15 nos.	CAP	404	1	403
Water expansion tank front to DLW part No. 11700208 & Drg No.11700208 Alt'd' and rear to DLW part No.11700180 and Drg No. 11700180 Alt a for WDG3A & WDM3D locos @ Rs.30,400/- per set. - 10 nos	RRSK	304	1	303
325A, 3 Pole AC Contactor for Radiator Fan (FCFA, FCFB) of HHP locomotives @ Rs.1.365 lakh each. - 20 nos.	CAP	2730	1	2729
Radiator cooling fan motor to GM Part No. 10632019 @ Rs.6.20 lakh each. - 02 nos.	CAP	1240	1	1239
Cab mounted HVAC unit with built in inverter DLW Spec.No.WDG4 /EL/PS/35, Rev: 03 @ Rs.3.48 lakh each. - 08 nos.	RRSK	2784	1	2783
Starter motor to EMD Part No. 10478829 @ Rs. 89,130/- each. - 10 nos.	CAP	591	1	590
Controller assembly, Dynamic brake to EMD Part No. 40055299 @ Rs.1.88 lakh each. - 02 nos.	CAP	376	1	375
Micro controller based event recorder for emd locomotives to RDSO Spec No. MP.0.3700.12 Rev 0 of Jan 2009 or latest @ Rs.1.32lakh each. - 10 nos.	RRSK	1320	1	1319
Bridge assembly rectifier for WDG4/ WDP4 locomotives @ Rs.2.23 lakh each. - 03 nos.	CAP	669	1	668
Fan, Cooling - Cab to DLW Drg. No. 10633908 Alt.Ab and to DLW Part No. 18650016 for WDP4/WDG4 Locos @ Rs.5,850/-each. - 150 nos.	RRSK	878	1	877
Traction Motor Blower Assembly [without Alternator and as per DLW Spec. No. WDG4/PS/TMB, REV.A or Latest] as per EMD Part. No: 10649239 and DLW Part No. 17051253 @ Rs.3.46 lakh each. - 02 nos.	CAP	692	1	691
Traction Motor type TM5002BY for WDP3A Locos @ Rs.36.28 lakh each. - 03 nos.	CAP	10884	1	10883
Traction Motor type TM 7362A for WDP3A Locos @ Rs.25.60 lakh each. - 03 nos.	CAP	7680	1	7679

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Alternator Mounted Rectifier with 36 Diodes & Fuses to BHEL Drawing No. 26670500102 3 Nos. 81520004 @ Rs.16.76 lakh each - 05 nos..	CAP	8380	1	8379
A set of CNC machined assembling components for overhaulingof TM 4907 @ Rs.82,300/- per set. - 50 nos.	RRSK	4115	1	4114
Auxiliary Generator Type AG3101 AY to BHEL Drg No.14330022001V00 @ Rs.8.635 lakh each. - 02 nos.	CAP	1727	1	1726
Micro controller based Electronic Speed indicating and Recording system to RDSO Spec. No. MP.0.3700-07 Rev. 06, October, 2015 @ Rs.1.55 lakh per set. - 25 nos.	RRSK	3825	1	3824
A set of Control Gear Equipments Assembly Spares required for Implementation of RDSO Modifications as per (RDSO Spec No MP-Mod.EC.04-21-09 (Rev.0.00) Aug. 2009 & RDSO Spec No.MP-0-04-00-08-(REV-01) May 2010.). One set consists Nos. of Items. Quantity against each Item required is furnished in the annexure @ Rs.1.64 lakh per set. - 18 nos.	RRSK	2952	1	2951
Single core flexible tin copper power cable for diesel electric locos 120 degree centigrade electron beam irradiation cross linked elastomeric insulated of size 240 sq.mm@ Rs.2,347/- per metre. - 2000 mtrs	RRSK	4694	1	4693
Rivet less cage bearing NU-330 to RDSO Specn. No.MP.0.2402.03. Rev.02/ Nov 2007 to DMW PL No.12989540 @ Rs.15,335/- each. - 100 nos.	CAP	1534	1	1533
Outer rotor with cooling fins to BHEL Drg No. 14364518009V00, DRP No.ACS 3115/ 000 @ Rs.2.205 lakh each. - 05 nos.	CAP	1103	1	1102
Flame retardant Main Outgoing Cable Leads & Brush gear inter connecting cable Leads for BG Traction motors as per Enclosure. One set consists of 4 Nos. of Main Outgoing Cable Leads and 4 Nos. of Brush gears inter connecting cable Leads @ Rs.40, 840/- per set. - 25 nos.	RRSK	1021	1	1020
Master controller conventional Stick type for WDP3A Locomotives to BHEL Model No. MCO3802A, without 'BKCP' @ Rs.55,650/- each. - 20 nos.	CAP	1113	1	1112
Rivetless cage roller bearing NH320 -CE -TM / BG @ Rs.8,395/- each. - 200 nos.	CAP	1679	1	1678
EMD Crank Case to DLW part No 16020017 @ Rs. 77.02 lakh each.- 02 nos.	RRSK	15404	1	15403
Crankshaft to Part No.16140163 @ Rs. 29.33 lakhs - 04 nos.	RRSK	11732	1	11731
Motorized Truck Assembly for WDG4 HHP Locomotives @ Rs.198.91 lakh per set. - 01 nos.	CAP	19891	1	19890
Turbo super charger to EMD part No. 40110641 and DLW part No.16080087 FOR WDP4 / WDG4 @ Rs.70.22 lakh each - 01 nos.	CAP	7022	1	7021
Motorized Truck Assembly for WDP4B &WDP4D HHP Locomotives @ Rs. 189.56 lakh per set. - 01 nos.	CAP	18956	1	18955
Fabricated bogie frame assembly (FAB-II) to part No. 17021492 and Drg No. 17021492 alt 'c' RDSO specification No. VL.Spec-6 (Revision-03) @ Rs. 9.74 lakh each. - 05 nos.	RRSK	4870	1	4869
Supply,Erection and commissioning of modified wider cab design for WDG4/WDP4 locomotives @ Rs.8.17 lakh each. - 05 nos.	RRSK	4085	1	4084
Motor truck frame assebly fitted with brake Foundation arrangement, brake truck piping & sand box arrangement for BG locos as per DLW Drg No. 4113V13800 alt 'r' & Spec No. Misc-146 ,DLW part no : 11025979 @ Rs.20.28 lakh each. - 04 nos.	RRSK	8112	1	8111
Main Crank Shaft for 16 Cylinder BG Engine Block to DLW Pt.No.10141790 @ Rs.17.24 lakh each. - 10 nos.	CAP	17240	1	17239
AC Traction Motor, 3 phase Induction Motor without pinion for 4500 HP WDG4 & WDP4B EMD Locomotives to RDSO specification No. MP.0.2400.52 (Rev-01) June 2009.(DLW Part No. 18080017) @ Rs.18.80 lakh each. - 03 nos.	CAP	5640	1	5639

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Traction Motor Model No: 4907 BZ with Pinion (GR 18:74) to BHEL Drg. No:- 04390013001 P1 @ Rs.40.69 lakh each. - 03 nos.	CAP	12207	1	12206
Traction motor TM 4907 BZ with pinion (GR-18;65) to drg No. 04390013001P3 @ Rs.39.46 lakh each. - 03 nos.	CAP	11838	1	11837
Flexi coil bogie frame with bolster and brake rigging for WAP4 locomotives- 06 Nos. @ Rs.21.00 Lakhs each	RRSK	12600	100	12500
Bogie frame with brake rigging for WAG7 locomotives - 1 Nos @Rs. 12.90 lakhs each	CAP	1290	100	1190
Fabricated bolsters for WAP4 locomotives - 10 Nos @ Rs.3.40 lakhs each	RRSK	3400	100	3300
Wheel set complete for WAG5HA locomotives - 4 Sets @ Rs. 11.22lakhs per set	RRSK	4488	100	4388
Wheel set complete for WAP4 locomotives - 6 Sets @ Rs. 8.30 lakhs per set	RRSK	4980	100	4880
Wheel set complete for WAG7 locomotives - 6 Nos @ Rs. 8.17 lakhs per set	CAP	4902	100	4802
Armature for Hitachi Traction motors for Electric locos- 2 Nos @ Rs. 16.00 lakhs each	RRSK	3200	100	3100
High speed · Pantograph complete for Electric locomotives - 24 Nos @ Rs. 1.42 lakhs each	RRSK	3408	100	3308
Tap changer complete for Electric locomotives - 1 No. @ Rs. 36.00 lakhs	RRSK	3600	100	3500
Cable Head Termination (CHT) for Electric locos - 5 Nos @ Rs.2.06 lakhs each	RRSK	1030	100	930
Arno converter for Electric Locomotives- 2 Nos @ Rs.14.86 lakhs each	RRSK	2972	100	2872
Vigilance Control Device (VCD) for Electric locos - 20 Nos @ Rs.1.30 lakhs each	RRSK	2600	100	2500
Tri-plate panel for Electric locos - 5 Nos @ Rs.6.20 lakhs each	RRSK	3100	100	3000
Blower for Traction motor with motor (MVMT) for Electric Locos - 10 Nos @ Rs. 1.11 lakhs each	RRSK	1110	100	1010
Blower for Transformer Oil Cooler with motor (MVRH) for Electric locos - 20 Nos @ Rs. 1.20 lakhs each.	RRSK	2400	100	2300
Auxiliary motor for compressor (MCP) for Electric locos- 30 Nos @ Rs. 1.04 lakhs each.	RRSK	3120	100	3020
Oil cooling Radiator complete for main Transformer - 20 Nos @ Rs.2.23 fakhs each	RRSK	4460	100	4360
Air drier for Electric locos - 10 Nos @ Rs. 1.50 Lakhs each	RRSK	1500	100	1400
Set of 01-DU relays for Electric Locomotives - 08 Loco sets @ Rs.7.22 lakhs per loco .set	RRSK	5776	100	5676
Gapless surge arrestor for Electric locos - 30 Nos @ Rs. 1.25 lakhs each	RRSK	3750	100	3650
Up-gradation of Smoothing Reactor SL 30 for Electric locomotives - 16 Nos @ Rs. 4.13 lakhs each	RRSK	6608	100	6508
Up-gradation of existing 1000 Amps capacity -reversers with 1500 Amps 20 Loco sets@ Rs.2.53 lakhs per loco set	RRSK	5060	100	4960
Axle box complete for WAP4 locomotives - 50 Nos @ Rs. 0.80 lakhs each	RRSK	4000	100	3900
Axle box complete for WAG7 locomotives- 50 Nos@ Rs. 0.80 lakhs each	RRSK	4000	100	3900
Axle box complete for WAG5HA locomotives- 50 Nos @ Rs. 0.21 lakhs each	RRSK	1050	100	950
Cylindrical roller bearing for Axle box for Electric locos - 18 Nos @ Rs. 0.18 lakhs each	RRSK	324	100	224
Pinion bearing for Hitach Traction Vetted. Quantity vetted based on the data motors (PE) for Electric Locos - 113 @ Rs.0.20 lakhs each	RRSK	2260	100	2160
Commutator. end bearing for Hitachi Traction motbrs (CE) for Electric locos- 75 Nos @ Rs.0.16 fakhs each	RRSK	1200	100	1100
Set of Taper roller bearing (PE & CE) for HTM. suspension tube for Electric locomotives - 115 sets @ Rs. 0.47Lakhs per set .	RRSK	5405	100	5305
IP coils for Traction motors - 48 Nos @ Rs. 0.90 lakhs each	RRSK	4320	100	4220

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
MSU tube for Electric locomotives - 30 Nos@Rs. 0.93 lakhs each	RRSK	2790	100	2690
Line Contactor 1500 Amps for Electric Locomotives - 10 Loco sets@ Rs2.52 lakhs each	RRSK	2520	100	2420
Shunting contactor complete for Electric Locomotives - 75 Nos @ Rs.0.17 lakhs each	RRSK	1275	100	1175
Battery Charger (CHBA) for Electric locos- 20 Nos @ Rs 0.51 lakhs each	RRSK	1020	100	920
CBC for Electric locos - 32 Nos @ Rs.0. 941akhs each	RRSK	3008	100	2908
High capacity loco side buffer assembly 40 Nos @ Rs.0.17 lakhs each	RRSK	680	100	580
Equalizer beam for WAG5HA locos - 5 Loco sets @Rs.2.87 lakhs per loco	RRSK	1435	100	1335
Helical coil spring sets (primary and I Secondary) for Electric locos - 8 Loco set @ Rs. 3.62 lakhs per loco set	RRSK	2896	100	2796
TM Stator for WAP7 locos - 2 Nos @ Rs. 15.65 lakhs each	CAP	3130	100	3030
TM Rotor for WAP7 locos - 2 Nos @ Rs.8.15 lakhs each	CAP	1630	100	1530
Total Locomotives	**CAP**		**441**	
	RRSK		**3638**	
Carriages				
Retro-fitment of Stainless steel under slung water tank to ICF/STD-6-3-068 col I & col II Alt latest. 5 coach set	RRSK	948	1	947
Retro-fitment of stainless steel water tank module (under slung water tank) for RCF coaches 5 coach set	RRSK	719	1	718
Retro-fitment of coach seats and berths for WGACCN coaches to ICF Drg.No.WGACCN-6-1-001 alt.latest. 5 coach set	RRSK	1834	1	1833
Retro-fitment of chairs in WGSCZAC coaches to ICF Drg.No. WGSCZAC 8-6-1-801 item 1 to 4 & 7 alt.latest. 5 coach set	RRSK	3131	1	3130
Provision of two piece design water tanks instead of old design water tanks in ICF coaches above 15 years for ICF coaches. Est.Cost:Rs.101160/- Per coach set. 10 coaches	RRSK	1012	1	1011
Axle Mounted Disc Brake System for ALSTOM –LHB design AC & NAC coaches as per RCF spec MDTS 077-Rev 3 @ Rs 22,69,365 per set 4 sets	CAP	9078	1	9077
120 KN Air spring assembly for main line/ Rajdhani LHB coaches for FIAT type bogie to RDSO specification No C-K508(Rev-1) @Rs 3,01,620 per coach set 2 coac sets	CAP	603	1	602
140 KN Air spring for LHB GS coach to RDSO Specification C-K 509 Rev.02 with top plate diameter as 700mm, bottom mounting base plate shall be as per RDSO Drawing No. CG-K15081 @ Rs 3,11,640 per coach set 2 coach sets	CAP	623	1	622
Bogie set for Crash worthy CBC AC coaches @Rs 340000 each 4 nos.	CAP	1360	1	1359
Control panel container for power car (WLRRM) of LHB coaches@ Rs 561967 2 nos.	CAP	1124	1	1123
Control panel container for EOG type LHB coaches@ Rs 521255 4 nos.	CAP	2085	1	2084
MEMU TC bogie frame with bolster and brake rigging @Rs.4.25 Lakhs each	CAP	425	1	424
Traction motor complete for EMU/MEMU motor coach-@Rs.29.00 Lakhs each- 4 Nos.	RRSK	11600	1	11599
Armaure for traction motor for EMU/MEMU motor coach-@Rs.10.03 Lakhs each-4 Nos.	RRSK	4012	1	4011
Pantograph complete assembly for MEMU motor coach @Rs.0.80 Lakhs each-2 Nos.	CAP	160	1	159
Vacuum circuit braker for EMU/MEMU motor coach @Rs.3.10 Lakhs each-12 Nos.	CAP	620	1	619
	RRSK	3100	1	3099
Main Transformer for EMU/MEMU motor coach-@Rs.30.57 Lakhs each-7 Nos.	CAP	12228	1	12227
	RRSK	9171	1	9170
Silicon Rectfier block for EMUmotor coaches-@Rs.4.13 Lakhs each-10 Nos.	RRSK	4130	1	4129

(Figure in thousand of Rupees)

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Main Compressor complete for MEMU motor coach-@Rs.2.66 Lakhs each-2 Nos.	CAP	532	1	531
Modification Parking brake arrengment in EMU Metro motor coach-@Rs.1.50 Lakhs each - 10 Nos.	RRSK	1500	1	1499
EP brake unit for EMU motor coach and Trailer coach-@Rs.1.12 Lakhs each-15 Nos.	RRSK	1680	1	1679
Modular Break controller for EMU/MEMU motor coach-@Rs.1.50 Lakhs each-8 Nos.	RRSK	1200	1	1199
Microprocessor based Energy cum speed for monitoring system for EMU- @Rs.2.04 Lakhs each-22 Nos.	CAP	408	1	407
	RRSK	4080	1	4079
Re- cabling of EMU motor coach- @Rs.15.00 Lakhs each-5 Nos.	RRSK	7500	1	7499
Replacement of Jumper cables complete in EMUcoaches - @Rs.0.63 Lakhs per coaches -12 Nos.	RRSK	756	1	755
Hydrolic Transmission drive assembly for 4 wheeler tower wagon 2 nos - @Rs.26.00 Lakhs each	RRSK	5200	1	5199
Axle drive assembly for 4 wheeler tower wagon 2nos -@Rs.17.20 Lakhs each	RRSK	3440	1	3439
25 kW alternators and regulators for AC coaches 10 sets - @Rs.4.60 Lakhs per set	CAP	2300	1	2299
	RRSK	2300	1	2299
25 kW alternator for AC coaches 10 Nos - @Rs.2.60 Lakhs each.	CAP	2600	1	2599
Regulators for 25 kW alternators for AC coaches 12 Nos - @Rs.2.00 Lakhs each.	CAP	2400	1	2399
4.5 kW alternator and regulators for TL coaches 10 sets - @Rs.2.05 Lakhs per set	CAP	2050	1	2049
4.5 kW alternator for TL coaches 21 sets - @Rs.1.10 Lakhs per set	CAP	2310	1	2309
Regulators for 4.5 kW alternator for TL coaches 25 Nos - @Rs.0.95 Lakhs each	CAP	2375	1	2374
25 kVA inverter for AC coach -12 Nos- @Rs.3.73 Lakhs each	CAP	1492	1	1491
	RRSK	2984	1	2983
RMPU unit complete with control panel for AC coaches @Rs.6.30 Lakhs each -5 Nos,	CAP	3150	1	3149
Control panel for RMPU AC coaches 4 Nos @Rs.1.10 Lakhs each	CAP	440	1	439
Regulated Battery Charger for LHB TL & AC coaches 11 Nos - @Rs.1.30 Lakhs each	CAP	1430	1	1429
Emergency Battery Charger for LHB AC coaches 19 Nos - @Rs.0.35 Lakhs each	CAP	665	1	664
ZS coupler for coaches 10 sets @Rs.1.84 laks each	CAP	1840	1	1839
DEMU Tr. Motor type TM 4303DY complete with pinion (without MSU, Gear case, Gear wheel) to BHEL Drg. No. 04391080001V01 @ Rs.24.57 lakh each. - 01 nos.	CAP	2457	1	2456
Armature assy complete for BHEL traction motor TM 4303 DY to BHEL drg.no: 04394080002V01 @ Rs.11.73 lakh each - 01 nos.	RRSK	1173	2	1171
Brushless DC Railway carriage Fan 400mm sweep 110V DC fixed type complete with Guard conforming to RDSO Specification No. RDSO/PE/ SPEC/ TL/0021/2005 (REV.2) for DEMU/DPC, DTC and TC Coaches @ Rs.2,829/- each - 100 nos.	CAP	283	1	282
Traction Alternator type TA 7003 CW of BHEL Make to BHEL DRG/CAT No. 043010801001 for 1400HP DEMU DPC @ Rs.39.22 lakh each - 01 nos.	RRSK	3922	2	3920
Radiator assembly for 1400HP for DEMU DPC to Drg.No. SR-LW-SK-2078 (or) Cummins Part No. 4968230 @ Rs.7.28 lakh each. - 02 nos.	RRSK	1456	2	1454
Wheel sets assembly complete with Motor suspension unit for 1400HP DEMU DPC @ Rs.6.84 lakh each - 02 nos.	CAP	1369	1	1368
Flex plate for 700 HP DPC to Cummins part no: 3392286 @ Rs.11.75 lakh per set. - 01 nos.	RRSK	1175	2	1173
Computerised LCC to M/s.United Industries CLCC model no: UI-1401 @ Rs.4.96 lakh each. - 02 nos.	RRSK	992	2	990

				(Figure in thousand of Rupees)
Particulars	**Allocation**	**Anticipated Cost**	**Outlay proposed for 2018-19**	**Balance to complete work**
Set of Mounting & interface components for engine & alternator – One set consists of Base rail to suit BHEL alternator to Cummins part no: 4105978 - 01 no. Base rail to suit CGL alternator to Cummins part no: 4958497 - 01 no. Flywheel to Cummins part no: 4085797 - 01 no Adaptor transmission to Cummins part no:207572 - 01 no Anti vibration mounting pads to Cummins part no: 3413922 - 12 nos. @ Rs 11.73 lakh per set. (Total 01 sets)	CAP	1173	1	1172
Rectifier 1400 HP to BHEL drg.no:36670600385R08 @ Rs.12.54 lakh each. - 01 nos.	RRSK	1254	2	1252
Fan engine Cummins part No: 4054485 @ Rs.7.40 lakh each. - 01 nos.	CAP	740	1	739
Parking brake equipment for AC/EMU, MEMU and HHP/DMU/DPC (with EP brake) conforming to RDSO Specification C-K408 Rev.Nil and material Schedule No.ICF/SK 10-2-229 Issue status-01,Rev.05. @ Rs.89,800/- per set. - 05 sets	CAP	449	2	447
Set of EP equipment (EP unit & Brake controller) – Escorts Make @ Rs.2.50 lakh per set. - 01 sets	CAP	250	2	248
Set of spares for fuel system of CAT - DEMU consisting of following items, - 01 set	CAP	264	2	262
Set of spares for CGL alternator – One set consists of Insulation block to CGL Matl code 765081686 - 20 nos. Coil support wedge to CGL Matl code 769081682 - 32 nos. Rotor pole washer (brass) to CGL Matl code 769042060 - 16 nos. Key for Pulley to CGL Matl code 766041734 - 20 nos. Rotor Pole washer (Epoxy) to CGL Matl code 761081300 - 32 nos. Rotor Pole assy to CGL Material code C1012TA/11 - 08 nos. Coil support to CGL Matl code 769081681 - 64 nos. Exciter WND Rotar (Armature) Assy to CGL Material code C1002 TA/10 CGL Drg No.CGE/32512 RO5 - 01 no. Exciter Wound Stator to CGL Material code C1012 TA/05 - 01 no Rotor Diode assy to CGL Material Code 760242119 - 01 no @ Rs.15,06,344/- per set. (Total 01 set)	CAP	1506	2	1504
Wound Rotor for Traction alternator 7005 BY to BHEL drawing ref: 04038040045 V00 @ Rs.12.77 lakh each. - 01 no.	RRSK	1277	2	1275
Twin tower heatless type regenerative air dryer for DEMU / DPC (To be supplied only by RDSO approved supplie₹) RDSO spec no: MP.0.01.00.06 (Rev-05) March 2011 @ Rs.1.39 lakh each. - 01 nos.	CAP	139	2	137
Computerised LCC to M/s. United Industries CLCC model no: UI-1402 @ Rs.5.10 lakh each - 01 no.	CAP	510	2	508
Set of spares for hydraulic system of CAT - DEMU consisting of following items , 1.Hydraulic pump for Radiator and vent fans to Rexroth part no : R902535945 (Qty – 1 no) 2.Hydraulic motor for Radiator fan and vent fan to Rexroth part no: R902241630. (Qty – 2 Nos) @ Rs.6.14 lakh per set. - 01 set	CAP	614	2	612
Engine control module (Control GP) to CAT part no : 3482388 @ Rs.4.42 lakh each. - 01 no.	CAP	442	2	440
Injector for Cummins engine model KTA-50-L to Cummins Part No. 3076132 for 1400 HP DEMU DPC's @ Rs.1.007 lakh each. - 12 nos.	CAP	1200	2	1198
Compressor for Cummins engine model KTA-50L to ELGI Model No. TRC 2507 for 1400 HP DEMU DPCs @ Rs. 3.13 lakh each. - 01 nos.	CAP	313	2	311
Total Carriages	**CAP**		**49**	
	RRSK		**34**	
Wagon				
Wheel Set 840 mm Dia for BLC wagons @ Rs 125000 per set 36 sets	CAP	4500	1	4499
Bogie for BLC wagon @ Rs 150000 per No (Bogie Frame) 20 Nos.	CAP	3000	1	2499
Total Wagons	**CAP**		**2**	

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7/5/18

Government of India
Ministry of Railways
(Railway Board)

No.2017/M (PU)/1/23 New Delhi, dt. 07.05.2018

The General Manager (Mech.),
S.C. Railway,
Secunderabad.

Sub: Itemized Rolling Stock Programme for the year 2018-19– Costing below Rupees 2. 50 Crore each.

A copy of approved works of Itemized RSP (New Acquisitions) for the year 2018-19, costing below rupees 2.50 crore each is enclosed herewith for printing in the List of Approved Works for 2018-19, along with the other works costing below rupees 2.50 crore each. A list of works for inclusion in the LAW book for 2018-19 for the other plan heads is being circulated separately by Budget Branch of Railway Board. It may be ensured that the allotment of funds to the individual items is kept within the overall allotment under lump sum provision in Pink Book.

The printed copies may be sent to Budget Branch, Room No. 204, Railway Board by the stipulated date for further distribution.

Please acknowledge the receipt

7.5.18.

(Govind Pandey)
Director Mech.Engg.(PU),
Railway Board.

08/05/18
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हस्ताक्षर
Signature.....
जारी की तिथि
Date of issue.....

SOUTH CENTRAL RAILWAY

ROLLING STOCK PROGRAMME FOR 2018-19

NEW ACQUISITION

Works Costing **Below** Rs. 2. 50 crores

Locomotives

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Traction motor for WDG4 locos (part No. 40075428) @ Rs 24.70 lakhs each (4 no.) DLS/KZJ	CAP	9880	1	9879
Tri plate panel mounted brake equipment complete for IRAB brake system for WDG3A locomotive @ 4.559 lakhs each (10 no.) DLS/KZJ	CAP	4559	1	4558
Radiator cooling fan assembly 52" for WDG4@ 6.32 lakhs each (2 no.) DLS/GY	CAP	1264	1	1263
Power assemblies (blade rod) for WDG4 locos @ 3.75 lakhs each (8 no.) DLS/GY	CAP	3000	1	2999
Power assemblies (Fork rod) for WDG4 locos @ 3.83 lakhs each (8 no.) DLS/GY	CAP	3064	1	3063
Governor for WDG4 locos @7.97 lakhs each (1 no.) DLS/GY	RRSK	797	1	796
Engine block 3100HP @ 50.99 lakhs each (1 no.) DLS/GTL	CAP	5099	1	5098
Main crankshaft (BG) to DLW part No. 10141740 @ 17.10 lakhs each (1 no.) DLS/GTL	CAP	1710	1	1709
ELGI make Air Compressor Model No. RR 15070. without Dryer, Reciprocating 2 stage, Air cooled, 'W' Type oil Splash Lubricated, FAD: 1200 LPM, Displacement 55.79 cfm speed 1460 rpm, working Pressure:7 (10 max) Kg/Cm2. (ELGI part no.507075) @ 4.81 lakhs each (1 no.) DLS/BZA	RRSK	481	1	480
Short block to CAT part no 81590090 @ 23.95 lakhs each (2 no.) DLS/BZA	RRSK	5739	1	5738
Radiator assembly complete to CIL part no 3167105 for 700HP DEMUs @ 1.79 lakhs each (6 no.) DLS/BZA	RRSK	1074	1	1073
Traction Alternator with rectifier, Medha part No: SP648V27107 @ 77.67 lakhs each (1 no.) DLS/BZA	CAP	7767	1	7766
Traction Control Inverter LHS MDE648V2 Medha part No: SP648V22017 @ 37.31 lakhs each (1 no.) DLS/BZA	CAP	3731	1	3730
Traction Control Inverter RHS MDE648V2 Medha part No: SP648V22018 @ 37.52 lakhs each (1 no.) DLS/BZA	CAP	3752	1	3751
VCC Unit with Cards MDE648V2 (CAT) Medha part No: SP648V25080 @ 8.46 lakhs each (1 no.) DLS/BZA	CAP	846	1	845
APC Unit MDE648V2 (CAT) Medha part No: SP648V21048 @ 28.35 lakhs each (1 no.) DLS/BZA	CAP	2835	1	2834
Replacement of cast steel bolster with fabricated bolster in WAP4 - Qty-05 nos.@ Rs. 5.72 Lakhs each.	RRSK	2855	1	2854
ELS/LGD: Provision of set of spares of valves in E-70 Brake systems. -Qty-01 set @ Rs.87.45 Lakhs per Loco set	CAP	8745	1	8744
ELS/LGD- Provision of set of spares of valves in three phase loco motive brake systems of CCB 2.0 - Qty-01 Sets @ Rs.72.21Lakhs per set	CAP	7221	1	7220
Set of bogie frames with modified brake rigging for WAP-7 three phase electric locos @ Rs.19.0 lacs/loco set -Qty- 01 Sets @ Rs. 19.00 Lakhs per set	CAP	1900	1	1899
Replacement of Microprocessor based Energy cum Speed Monitoring system (ESMON) in BG AC Elec. Locomotives-Qty.05 nos. @ Rs. 2.68 Lakhs each.	RRSK	1072	0	1072
Set of spares for CGL make 3 x 130KVA IGBT based Auxiliary Converter for 3 phase WAG9 / WAP7 locomotives.-Qty-01Sets @ Rs.22.57Lakhs per set	CAP	2257	1	2256

ELS/LGD- Provision of Modified AS-Per i cards with IGBT type speed sensors in GTO locos and Replacement of Hall effect speed sensor assembly in GTO locos with IGBT type speed sensors- Qty.10 Sets @ Rs. 5.48 Lakhs per set	CAP	5480	1	5479
Provision of Microprocessor based Control & fault diagnostic system for Electric Locomotives Ver-2 -- Qty-01 Set @ Rs. 18.62 Lakhs per set	CAP	932	1	931
Conversion of brake rigging of WAG9 locomotives from TBU/PBU type brake rigging to conventional brake rigging- Qty.10 loco Sets @ Rs. 24.81 Lakhs per Loco set	RRSK	24810	1	24809
Total Locomotives	**CAP**		**18**	
	RRSK		**6**	
Carriages				
Air Spring assembly 180 KN @ 1.18 lakhs each (30 no.) CWM/LGDS	CAP	3542	1	3541
Set of spares of AC bogie frame @5.66 lakhs each (15 no.) CWM/LGDS	CAP	8490	1	8489
Set of spares for non AC Hybrid bogie @ 10.81 lakhs each (2 no.) CWM/LGDS	CAP	2162	1	2161
Milk Van Bogie Frame.1)Bogie Frame to RDSO Sk.66234,Alt.3 2)Bogie Bolster arrangement to RDSO SK.65224, 3)Lower Spring plank to RDSO Sk.65247,Alt.2 @ 2.59 lakhs each (6 no.) CWM/TPYS	RRSK	1770	1	1769
Wheel solid casted for wheel sets for milk tank wagon (VVN) @ 0.55 lakhs each (64 no.) CWM/TPYS	RRSK	3846	1	3845
Auxiliaries of 1400 HP DEMU i.e Set of Fan engine 2 no.,Fan Vehtilation 2 no. along with Sub base 1 no. @ 10.40 lakhs (2 no.) CWM/LGDS	CAP	2080	1	2079
Air compressor Model TRC 1000B or its equivalent for DEMU/DPCs (700HP)@ Rs. 1.54 lakhs each (4 no.) CWM/LGDS	CAP	616	1	615
Air compressor Model TRC 2507 or its equivalent for DEMU/DPCs(1400HP) @ Rs. 2.79 lakhs each (3 no.) CWM/LGDS	CAP	837	1	836
Air spring failure Indication cum Brake Application device equipment (FIBA) for Air Spring DEMU 1600HP coaches @ Rs. 0.88 lakhs each (60 no.) CWM/LGDS	CAP	5280	1	5279
Procurement of 1400 HP Radiator-3 no. and radiator with oil cooler-1 no. @ Rs. 10.39 lakhs each (2 no.) CWM/LGDS	CAP	2078	1	2077
Replacement of over aged Traction motor with new Traction motor 700 HP CGL make complete @ 31.36 lakhs each - 01 no.	RRSK	3136	1	3135
Replacement of over aged Traction motor with new Traction motor 1400HP BHEL make with pinion complete @ 27.49 lakhs each - -01 no.	RRSK	2749	1	2748
Replacement of over aged Alternator with new Main alternator BHEL. make (1400 HP) for DEMU @ 44.63 lakhs each - 01 no	RRSK	4463	1	4462
Replacement of over aged Alternator with new Main alternator BHEL make (700 HP) @ 37.12 lakhs each - 01 no	RRSK	3712	1	3711
Total Carriages	**CAP**		**8**	
	RRSK		**6**	

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7/5/18

Government of India
Ministry of Railways
(Railway Board)

No.2017/M (PU)/1/23

New Delhi, dt. 07.05.2018

The General Manager (Mech.),
S.E. Railway,
Kolkata.

Sub: Itemised Rolling Stock Programme for the year 2018-19– Costing below rupees 2. 50 Crore each.

A copy of approved works of Itemized RSP (New Acquisitions) for the year 2018-19, costing below rupees 2.50 crore each is enclosed herewith for printing in the List of Approved Works for 2018-19, along with the other works costing below rupees 2.50 crore each. A list of works for inclusion in the LAW book for 2018-19 for the other plan heads is being circulated separately by Budget Branch of Railway Board. It may be ensured that the allotment of funds to the individual items is kept within the overall allotment under lump sum provision in Pink Book.

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Please acknowledge the receipt

7.5.18

(Govind Pandey)
Director Mech.Engg.(PU),
Railway Board.

08/05/18

SOUTH EASTERN RAILWAY

ROLLING STOCK PROGRAMME FOR 2018-19

NEW ACQUISITION

Works Costing **Below** Rs. 2.50 crores

Locomotives

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Turbo Super charger , DLW Pt. no. 16080087 EMD pt. no. 40053534 for DLS/BNDM ,01 nos.@ Rs 42 lakhs each	RRSK	4200	1	4199
Power Assemblies (Fork Rod) DLW pt.no. 16350017 for DLS/BNDM 8 nos. .@ Rs 5 lakhs each	RRSK	4000	1	3999
Power Assemblies (Blade Rod) DLW pt. no. 16350029 for DLS/BNDM 8 nos. .@ Rs 5 lakhs each	RRSK	4000	1	3999
L.O.Cooler Assembly EMD pt. no. 9560308, DLW Pt. no. 17050534 for DLS/BNDM, 02 nos .@ Rs 4.40 lakhs each	RRSK	880	1	879
Field control unit main generator ECC 153 (SCR Bridge assembly) to Siemens Pt. no. 102327808 for HHP locos with Siemens AC-AC Traction system for DLS/BNDM - 01 no @ Rs 17 lakhs each	RRSK	1700	1	1699
Dynamic Brake Grid Blower Fan with motor for WDG4 to EMD Pt. no. 9518890, DLW Pt. no. 17451759 for DLS/BNDM 01 nos @ Rs 4.5 lakhs each	RRSK	450	1	449
Modified After cooler Assembly EMD pt. no. 40054407, DLW Pt. no. 16080919 for DLS/BNDM 02 nos @ Rs 1.50 lakhs.	RRSK	300	1	299
Turbo clutch assembly DLW pt. no. 16060490 for DLS/BNDM 01 @ Rs 6.50 lakhs.	RRSK	650	1	649
Wheel set assembly without traction motor P4 for DLS/BNDM - 03 nos. @ Rs 11 lakhs.	RRSK	3300	1	3299
Governor Assembly for 4500HP WDG4 to DLW Pt. no. 16340036, EMD Pt. no.40056145 (Wood Ward type no. F 8572-801) for DLS/BNDM 02 nos. @ Rs 9 lakhs.	RRSK	1800	1	1799
Motorised truck Assembly for WDG4 loco for DLS/BNDM 01no @ Rs 1.50 crs	RRSK	15000	1	14999
Turbo Super Charger MG for WDS6 VTC-214), PL no. 10083704 , (10080650/10080661) for 2 nos (DLS/BNDM- 01, @ Rs 25 lakhs	RRSK	2500	1	2499
Compressor, Air (Enhanced reliabilty & M24 schedule), AICo locomotives (Spec. no. MP.0.0700.13, Rev. 0.01 June 09), DMW Pt. no. 11489455 for 2 Nos (BKSC-01 & BNDM-01 @ Rs 6 lakhs	RRSK	1200	1	1199
Alternator mounted Rectifier with 36 Diodes & Fuses to drg. No. 26670500102 for 2 Nos (KGPW- 01 BNDM-01 No @ Rs 17 lakhs	RRSK	3400	1	3399
Roof mounted dynamic blower motor & fan assembly for WDM3A, EMD Pt. no.9518890, 48" dia, 36 HP, 300 Volts, to DLW 's pt. no. 11547194 item no.1.for 1 No (KGPW-01) @ Rs 12 lakhs	RRSK	1200	1	1199
Self cleaning automatic lube oil filter, (Maoti Filter) DLW pt. no. 11664137. RDSO Spec. no. MP.Misc.133 Aug.2002, Rev. 0.00 for 4 Nos (KGP-02 , BKSC-01 BNDM-01) @ Rs 7 lakhs	RRSK	2800	1	2799
Main Engine Crank Shaft for WDS6, DMW Pl. no.10141110 for KGPW-01, @ Rs 15 lakhs	RRSK	1500	1	1499
Main Engine Crank Shaft. DLW Pt. No 10141790, SER PL no 10038140 for KGPW- 1 nos @ Rs 17 lakhs	RRSK	1700	1	1699
Plate type lube oil cooler 11073500, DMW part no-11457260 for KGPW –4 Nos @ Rs 2 lakhs	RRSK	800	1	799

				(Figure in thousand of Rupees)
Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Aux Generator 2513AZ/M for WDS6 loco.BHEL Drg. No. 14330043001 for 1 No (DPOH- 01 @ Rs 7lakhs	RRSK	700	1	699
Traction Motor complete with Pinion,(GR 18:74 Type – 4907 BZ, BHEL Drg. No. 04390013001P3 for DLS/BNDM-01 No. @ Rs. 33 lakhs	RRSK	3300	1	3299
Kit for Stiffer unit cam shaft to DMW Pt. no. 10990239 for 3 Nos (KGPW-1 ,BNDM-01 & KGP-01) @ Rs. 7 lakhs	RRSK	2100	1	2099
Traction Alternator 10102 DW without AG & Exc. to drg. No. 04300025007V00. For BNDM -01No. @ Rs. 60 lakhs	RRSK	6000	1	5999
RTTM Blower Assy for WDS6 DLW Pt No 11055870. For 2 Nos. KGP-01& BKSC-01 @ Rs.1 lakhs	RRSK	200	1	199
Modified single entry exhaust manifold for TSC, RDSO Drg. No. SKDP-4106 for DPOH-05 Nos.@ Rs.1 lakhs	RRSK	500	1	499
Lube oil cooler assy. WDS6, DLW Pt. no. 10240779/10061307 for DLS/KGP-02 Nos. @ Rs.5 lakhs	RRSK	1000	1	999
Roof Mounted Dynamic Braking resistors. (06 nos Resistors) , DLW Drg. No. EL/PT/0631. Alt. Nil , Spec. DEL/SPN//217, Alt. -Nil.for DPOH/KGP-02 loco set (02 nos) @ Rs.10 lakhs	RRSK	2000	1	1999
A.C Traction Motor, 3-Ph.Induction without pinion for 4500 HP WDG4 loco to RDSO Spec. no. MP.O.2400.52(Rev-02, July'2013, DLW Pt. no.18080017 for DLS/BNDM , 02 no @ Rs 22 lakhs	RRSK	4400	1	4399
Silicon Rectifier Block-Qty.-10 nos.@ Rs.15.56 lakhs	RRSK	15562	1	15561
Vacuum Circuit Breaker-Qty.-10 nos.@ Rs.2.69 lakhs	RRSK	2690	1	2689
Microprocessor Based Energy Cum Speed Monitoring system- Qty.-10 nos.@ Rs.2.25 lakhs	RRSK	2250	1	2249
Wheel sets with AXLE box for G7 locos-Qty.-10 nos.@ Rs.6.93 lakhs	RRSK	6930	1	6929
Wheel sets with AXLE box for P4 locos-Qty.-4 nos.@ Rs.10.34 lakhs	RRSK	4136	1	4135
Pantograph, AM-92 type- Qty.-8 nos.@ Rs.1.31 lakhs	RRSK	1048	1	1047
Air Dryer- Qty.-4 nos.@ Rs.1.10 lakhs	DF-3	440	1	439
Tap changer complete – Qty.-01 nos.@ Rs.34.07 lakhs	RRSK	3407	1	3406
Triplate Panel -Qty.-02 nos.@ Rs.5.72 lakhs	RRSK	1144	1	1143
IGBT Based Aux Converter- Qty.-01 set.@ Rs.35.80 lakhs per set.	CAP	3580	1	3579
Total Locomotives	**CAP**		**1**	
	RRSK		**36**	
	DF-3		**1**	
Carriages				
Replacement of conventional roof mounted water tanks of main line coaches to two piece designed water tank LH & RH (NA) for 50 Nos at Carriages shop /KGPW @ RS .40,400 thou.	RRSK	2020	1	2019
Fitment of Pantry Car (WCB) with Stainless Steel paneling. for 10 nos at Carriages shop /KGPW @ RS. 6.49 lakhs	RRSK	6490	1	6489
Replacement of over head aluminium water tank for Duranto Coaches as per RCF's Drg No. LG-63105 (RH) and LG-63106(LH), capacity 390 ltrs. (25 nos. LH and 25 nos. RH) for 20 nos at Carriages shop /KGPW @ Rs. .22 thou. lakhs	RRSK	440	1	439
Replacement of coach sets of chairs in AC coaches including Janasatabdi Express. for 20 nos at Carriages shop /KGPW @ Rs. 5.62 lakhs	RRSK	11240	1	11239
Complete bogie set for MEMU Trailer coach compressing of one no, bogie frame, one no. bogie bolster and nos. lower spring beam as per bogie general arrengment Drg. No.MEMU/TC-0-0-001 for 3 sets at carriges shop/KGPW @ RS 7.99 lakhs	RRSK	2397	2	2395

				(Figure in thousand of Rupees)
Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Main rectifierfor 25 KVBG AC EMU/MEMUmotor coaches to ICF specification No ICF/Ele/021 Rev.A CS-2, ICF Drg.No. ICF/S-7-1-068 for 2 Nos at Electrical loco Workshop KGPW @Rs 5.17 Lakhs each	RRSK	1034	2	1032
Traction motor type: 4303/BY complete-2 Nos.	CAP	4390	1	4389
Radiator assembly for 1400 HP DEMU DPC-01 SET(04 Nos);(CIL part no-4968230 for 03 no.&4968231-01 no).for 01 Nos KGPWS-01@ Rs.24 lakhs	RRSK	2400	1	2399
Air compressor model TRC 2507 fpr 1400 HP DEMU for 1 No. (DPOH-01 @ Rs.3.50 lakhs	RRSK	350	1	349
Traction alternator for 1400HP DEMU DPC (BHEL type), 7003 CW type, BHEL Drg no 04301081001 for DLS/BNDM-01 No @ Rs.42 lakhs	RRSK	4200	1	4199
Hydraulic Pump for 1400 HP DEMU DPC , CIL Pt. no. 3876878 for DPOH-01 No @ Rs.3 lakhs (Justification enclosed)	RRSK	300	1	299
Governor LCC 107 B1 & B2 for DEMU DPC Engine 1400HP consisting of control governor part CIL pt. no. 3167063 & amplifier power CIL pt. no. 3167062 .for **DPOH-01 no** @ Rs.9 lakhs (Justification enclosed)	RRSK	900	1	899
Traction motor for 1400HP DEMU DPC (BHEL type), 4303 DY type, BHEL Drg no. 04391080001V01 for 01 nos. **(DLS/KGP-01)** @ Rs.32 lakhs(Justification enclosed)	RRSK	3200	1	3199
Traction motor for 1400HP DEMU DPC (CGL type: C 1005) for DLS/KGP-01 nos) @ Rs.40 lakhs	RRSK	4000	1	3999
Injector for 1400 HP DEMU engine- KTA 50L, CIL Pt. no. 3076132 for DLS/BNDM-08 nos.. @ Rs.1.2 lakhs	RRSK	960	1	959
Total Carriages	**CAP**		**1**	
	RRSK		**16**	

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Government of India
Ministry of Railways
(Railway Board)

No.2017/M (PU)/1/23 New Delhi, dt. 07.05.2018

The General Manager (Mech.),
S.E.C. Railway,
Bilaspur.

Sub: Itemized Rolling Stock Programme for the year 2018-19– Costing below rupees 2. 50 Crore each.

A copy of approved works of Itemized RSP (New Acquisitions) for the year 2018-19, costing below rupees 2.50 crore each is enclosed herewith for printing in the List of Approved Works for 2018-19, along with the other works costing below rupees 2.50 crore each. A list of works for inclusion in the LAW book for 2018-19 for the other plan heads is being circulated separately by Budget Branch of Railway Board. It may be ensured that the allotment of funds to the individual items is kept within the overall allotment under lump sum provision in Pink Book.

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Please acknowledge the receipt.

7.5.18

(Govind Pandey)
Director Mech.Engg.(PU),
Railway Board.

Signature
Date of Issue

SOUTH EAST CENTRAL RAILWAY

ROLLING STOCK PROGRAMME FOR 2018-19

NEW ACQUISITION

Works Costing **Below** Rs. 2.50 crores

Locomotives

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
DLS/MIB - Auxilary Generator type AG3101AX as per BHEL Drg. No. 14330022001V01 Make : BHEL for WDG3A loco - 01	RRSK	889	1	888
DLS/MIB - Power rectifier (separately Mounted) as per BHEL Drg. No. 26670500064, Make: BHEL for WDG3A loco - 01 no.	RRSK	1871	1	1870
Set of connectors for three phase locomotives of Electric Loco shed, Bhilai -Qty.-01 no @ Rs.21.29 Lakh per set	RRSK	2129	1	2128
Set of Spares for IGBT based Traction Converter for three phase Locomotives of ELS/ Bhilai.Qty.-01 no @ Rs97.30 Lakh per set	RRSK	9730	1	9729
Complete filter cubicle along with all equipments and cabling for three phase locomotives.Qty.-01 no @ Rs.37.77 Lakh each	CAP	3777	1	3776
Set of Spares for IGBT based Auxiliary Converter for three phase Locomotives of ELS/ Bhilai.Qty.-01 no @ Rs.87.19 Lakh per set	RRSK	8719	1	8718
Hall effect active speed sensor for traction motor of three phase locomotive with IGBT based traction converter.Qty.-03 no @ Rs.0.461Lakh per set	CAP	138	1	137
Total Locomotives	**CAP**		**2**	
	RRSK		**5**	
Carriages				
Engine Control Panel, as per Cummins India Limited Part No. 4053829, suitable for 1400 HP DEMU DPC - 02 nos.	RRSK	594	1	593
Radiator Core Complete, as per CIL Part No. 4968231 for 1400 HP DEMU DPC - 01 nos.	RRSK	843	1	842
Radiator Core Complete, as per CIL Part No. 4968230 for 1400 HP DEMU DPC - 02 nos.	RRSK	1138	1	1137
Core After Cooler , as per CIL Part No. 3626715 for 1400 HP DEMU DPC - 02 nos.	RRSK	464	1	463
Ventilation Fan as per CIL Part No. 3167446 for 1400 HP DEMU DPC - 01 nos.	RRSK	751	1	750
Bogie Complete for 1400 HP DEMU TC - 01 nos.	RRSK	1111	1	1110
Non Motorised Bogie for 1400 HP DEMU DPC - 01 nos.	RRSK	2925	1	2924
Amplifier Power Card, as per Cummins India Ltd. Part No. 3167062, suitable for 1400 HP DEMU DPC - 02 nos.	RRSK	517	1	516
Muffler, as per CIL Part No. 4021089 for 1400 HP DEMU DPC - 02 nos.	RRSK	150	0	150
PT Pump (Pump Fuel), as per CIL Part No. 4911520 for 1400 HP DEMU DPC - 03 nos.	RRSK	844	1	843
Traction Alternator Complete, Type: C1012 TA, Make: CGL, suitable for 1400 HP DEMU DPC - 01 no.	RRSK	2717	1	2716
Control Governor Card, as per Cummins, India Ltd. Part No. 3167063, suitable for 1400 HP DEMU DPC - 01 nos.	RRSK	483	1	482

Turbo Super Charger, as per CIL Part No. 4054490 (superseded Part No. 4955505) for 1400 HP DEMU DPC - 01 nos.	RRSK	236	1	235
Kit Piston with Piston Ring as per CIL Part No. 36312246 (superseded No. KIT3238460) for 1400 HP DEMU DPC - 08 nos.	RRSK	280	1	279
Modular Brake Controller (make: ESCORT) for 1400 HP DEMU DPC - 01 nos.	RRSK	145	0	145
Cylinder Head as per Cummins India Limited Part No. 3646323 for 1400 HP DEMU DPC Engine (KTA 50L) - 04 nos.	RRSK	418	1	417
Air Dryer with Final Filter (Make: Faiveley) for 1400 HP DEMU DPC as per Annexure-I - 02 nos.	RRSK	468	1	467
E.P Brake Unit (Modified type) with inbuilt P.R.V. set at 1.6 KG/CM^2 to WSF Drg. No. ID 70297/1 FOR 1400 HP DEMU - 02 nos.	RRSK	314	1	313
Auxiliary Alternator, 18.5 KW, Voltage: 125 V, Current: 148 Amps, (Three Bearing Type) with RR Unit for 1400 HP DEMU DPC (BHEL). - 01 no.	RRSK	370	1	369
Total Carriages	**RRSK**		**17**	

pli. issue Fax
7/5/18

Government of India
Ministry of Railways
(Railway Board)

No.2017/M (PU)/1/23 New Delhi, dt. 07.05.2018

The General Manager (Mech.),
S.W. Railway,
Hubli.

Sub: Itemised Rolling Stock Programme for the year 2018-19– Costing below rupees 2. 50 Crore each.

A copy of approved works of Itemized RSP (New Acquisitions) for the year 2018-19, costing below rupees 2.50 crore each is enclosed herewith for printing in the List of Approved Works for 2018-19, along with the other works costing below rupees 2.50 crore each. A list of works for inclusion in the LAW book for 2018-19 for the other plan heads is being circulated separately by Budget Branch of Railway Board. It may be ensured that the allotment of funds to the individual items is kept within the overall allotment under lump sum provision in Pink Book.

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08/05/18

7.5.18

(Govind Pandey)
Director Mech.Engg.(PU),
Railway Board.

SOUTH WESTERN RAILWAY

ROLLING STOCK PROGRAMME FOR 2018-19

NEW ACQUISITION

Works Costing Below Rs. 2.50 crores

Locomotives

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Radiator assembly for HHP locomotive consisting of 2 items. i) Right side to EMD part no.10631855 to DLW part no.17450408. ii) Left side to EMD part no.10631856 to DLW part no.17450410. - 02 sets	CAP	2714	1	2713
Motorized truck assembly for WDP4B locomotive consisting of 2 items. i) Front truck assembly to DLW part no. 17022265. ii) Rear truck assembly to DLW part no. 17022277. - 01 set	CAP	24112	1	24111
Radiator Mechanical Bonded to DLW part no.11458227 - 02 sets	CAP	2757	1	2756
Coupler assembly, type "E" – Alignment control as EMD part no. 10661402. - 25 nos.	CAP	1169	1	1168
Alternator Mounted Rectifier Assembly for AC/DC diesel Electric Locomotive to RDSO Specification no.MP.0.24.02.20(Rev.00)April-09 - 01 nos.	CAP	1576	1	1575
Air compressor - 01 no.	CAP	615	1	614
Inter Cooler assembly unit - 02 nos.	CAP	559	1	558
Radiator assembly Left & Right - 02 sets	CAP	2946	1	2945
Core Lube Oil Cooler - 20 nos.	CAP	4284	1	4283
After Cooler Assembly - 02 nos.	CAP	1085	1	1084
Wheel-set assembly without traction motor, P4 (for 50 loco), With Gear. - 02 nos.	CAP	1838	1	1837
Wheel set assembly without traction motor, G4 (With Gear) - 4 nos.	CAP	4142	1	4141
Adapter assembly Bearing - 40 nos.	CAP	1877	1	1876
Bull Gear 77 Teeth P4 - 10 nos.	CAP	1010	1	1009
Bull Gear 90 Teeth G4 - 30 nos.	CAP	2803	1	2802
Coupler assembly Type E (P4) - 10 nos.	CAP	429	1	428
Crank Shaft - 01 nos.	CAP	1751	1	1750
Set of CCB 1.5 Cards CPZ,SV2,SVJ,SS9A,SS9B,DB1 - 5 sets	CAP	3147	1	3146
Set of CCB 1.5 Cards EPA1,EPA2,EPA3,FOR,ADZ,DIZ - 5 sets	CAP	3249	1	3248
Brake Valve Controller - 10 nos.	CAP	3315	1	3314
Set of Air Brake cut off cocks BP angle cock, FP angle cock,BCEQ angle cock, MREQ angle cock - 25 sets	CAP	2015	1	2014
Blower Assembly TCC - 01 nos.	CAP	1894	1	1893
DB grid fan with motor - 02 nos.	CAP	496	1	495
Traction Alternate assembly - 01 nos.	CAP	7587	1	7586
LED Marker Lamps 08 no's per loco (Rs.1544/no) - 1000 nos.	CAP	1575	1	1574
LED Flasher lamps 02 no's per loco (Rs.8000/No). - 250 nos.	CAP	2040	1	2039
CPM500 Module(8 loco fitted with this item) - 03 nos.	CAP	7311	1	7310
RCF circuit breaker 3 pole - 50 nos.	CAP	1645	1	1644
Radiator fan contactor A.C 3 Pole 325amp - 20 nos.	CAP	2264	1	2263
MPU-400 Module - 02 nos.	CAP	1857	1	1856
TM Air duct Assembly @Rs.33232/ per Pc - 100 nos.	CAP	3389	1	3388
Crowbar/Damping resistor & Inverter protection - 20 sets	CAP	1500	1	1499
Bank assembly rectifier - 10 sets	CAP	3978	1	3977
Ni Cd batteries 220 Amp(10 batteries 01 loco set) - 15 nos.	CAP	3540	1	3539
Traction Motors P4 - 02 nos.	CAP	6728	1	6727
EM 2000 with modules chassis; CPM500 01 No, SCM300 01No, ADA 305 02 No, DIO 300 03No, MPU 400 - 01 sets	CAP	6089	1	6088

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
BRAKE HANGER ASSEMBLIES , Lever Assembly brake live Right hand per loco 02 no's, Lever Assembly brake live left hand per loco 04 no's, Lever Assembly brake dead left hand per loco 02 no's, Lever Assembly brake dead Right hand per loco 02 no's. - 20 loco sets	CAP	5182	1	5181
Drive Assembly Governor - 02 nos.	CAP	427	1	426
Damper primary vertical - 250 nos.	CAP	3570	1	3569
Gear Case Assembly - 25 nos.	CAP	1604	1	1603
Motorized Truck Assembly G4 - 01 nos.	CAP	13464	1	13463
Traction Motors G4 - 4 nos.	CAP	9127	1	9126
Total Locomotives	**CAP**		**42**	
Carriages				
Replacement of Under slung Water Tank module to RCF drawing no,CC 63723 10 nos.	RRSK	1102	2	1100
Non Metallic Protective Tube for ICF 1000 nos.	RRSK	504	2	502
Lavatory Air Exhauster for Non – AC Coaches fitted with Bio Toilet tank 500 Nos.	RRSK	547	2	545
FRP coating of under slung 25 KVA Inverter box. 75 Nos.	RRSK	1925	2	1923
Replacement of MS box by SS box of Amalgamated pre cooling transformer (AC Conventional Coach) 24 nos.	RRSK	2232	1	2231
Provision of seat assembly for Shatabdi coaches. 5 coaches	RRSK	5000	1	4999
SBC-SW RR 88463 (replacement) 1 nos.	RRSK	10000	1	9999
SBC-SW RR 88433 (replacement) 1 nos.	RRSK	10000	1	9999
Wheel Carrying Coach (SW WT 82952) 1 nos.	RRSK	1200	1	1199
Retro fitment of Double acting Bogie Mounted Brake Cylinder in (a) GS 220& (b)SLR80 coaches- 300 Nos.	RRSK	8925	1	8924
Roof mounted packeg unit with AC control panel for RMPU @Rs.596	RRSK	3581	1	3580
25 KVA under slung inverter for RMPU of SG coaches @ Rs.464	RRSK	2789	1	2788
Total Carriages	**RRSK**		**16**	

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7/5/18

Government of India
Ministry of Railways
(Railway Board)

No.2017/M (PU)/1/23 New Delhi, dt. 07.05.2018

The General Manager (Mech.),
Western Railway,
Mumbai.

Sub: Itemised Rolling Stock Programme for the year 2018-19– Costing below rupees 2. 50 Crore each.

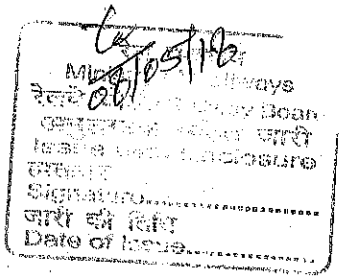
A copy of approved works of Itemized RSP (New Acquisitions) for the year 2018-19, costing below rupees 2.50 crore each is enclosed herewith for printing in the List of Approved Works for 2018-19, along with the other works costing below rupees 2.50 crore each. A list of works for inclusion in the LAW book for 2018-19 for the other plan heads is being circulated separately by Budget Branch of Railway Board. It may be ensured that the allotment of funds to the individual items is kept within the overall allotment under lump sum provision in Pink Book.

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7.5.18.

(Govind Pandey)
Director Mech.Engg.(PU),
Railway Board.



WESTERN RAILWAY

ROLLING STOCK PROGRAMME FOR 2018-19

New Acquisitions

Works Costing **Below** Rs. 2.50 crores

Locomotives

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2017-18	Balance to complete work
RTM DSL Shed : Procurement of Dynamic Brake Fan Motor, 36 HP 300V(EMD Part no. 9518890,DLW Part no. 17451759 (Qty. 01 no.)	RRSK	514	1	513
RTM DSL Shed : Procurement of Auxiliary Generator DLW Pt. No. 18040020 (Qty 1 nos.)	CAP	299	1	298
RTM DSL Shed : Procurement of Fuel Pump Motor DLW Pt. No. 17454633 (Qty. 02 no.)	CAP	796	1	795
RTM DSL Shed : Procurement of 3 Phase Induction Traction Motor without Pinion for 4500 HP WDG4/WDP4D Loco (Qty 2 nos.)	CAP	4040	1	4039
RTM DSL Shed : Procurement of Wheel set Assembly without Traction Motor (G4D) as UES (Qty 2 nos.)	CAP	1840	1	1839
RTM DSL Shed : Procurement of Air Compressor (Water Cooled) for HHP locomotives. (Qty. 02 nos.)	CAP	1130	1	1129
RTM DSL Shed : Procurement of Power Assembly Fork DLW Pt. No. 16350017 (Qty. 08 nos.)	CAP	425	1	424
RTM DSL Shed : Procurement of Power Assembly Blade DLW Pt. No. 16350029 (Qty. 08 nos.)	CAP	421	1	420
RTM DSL Shed : Procurement of Wheel set Assembly without Traction Motor (P4D) DLW Part No. 17230160 (Qty 3 nos.)	CAP	3146	1	3145
RTM DSL Shed : Procurement of HHP Turbo Super Charger DLW Part No. 16080087 (Qty 1 nos.)	CAP	4118	1	4117
RTM DSL Shed : Procurement of Kit for Radiator Assembly one set consist of Radiator Assembly(RH) to DLW part No. 17450408 & Radiator Assembly(LH) to DLW Part no.17450410 DRG No. 17455017 (Qty. 01 no. Kit)	RRSK	1357	1	1356
SBI DSL Shed: Procurement of Controller Assembly (EBV-A)as per KBIL part No. 787452-2004 for CCB2 for HHP locomotives. (Qty. 02 nos.)	CAP	596	1	595
SBI DSL Shed: Procurement of Cylinder Power Assembly (Fork) for HHP DSL Locos (Qty. 12 no.)	CAP	5320	1	5319
SBI DSL Shed: Procurement of Cylinder Power Assembly (Blade) for HHP DSL Locos (Qty. 12 no.)	CAP	5101	1	5100

SBI DSL Shed: Procurement of Air Compressor for HHP locomotives. (Qty. 02 nos.)	CAP	1375	1	1374
SBI DSL Shed: Procurement of MG Excitation Controller, Siemens Pt. No. 101887216 (New Pt. No. 102327808) for HHP locomotives. (Qty. 02 nos.)	CAP	3195	1	3194
SBI DSL Shed: Procurement of Controller Assembly (EBV-B)as per KBIL part No. 787453-2004 for CCB2 for HHP locomotives. (Qty. 02 nos.)	CAP	598	1	597
VTA DSL Shed: Procurement of Alternator Mounted Rectifier suitable for mounting on BHEL Alternator type 10102 EV or equivalent to RDSO spec. No. MP. O.24.02.20(REV. 00) APRIL 2009 or latest.(Qty. 2 nos.)	RRSK	1621	1	1620
VTA DSL Shed: Procurement of Traction Alternator Type 10102 EV BHEL without Rectifier with Auxiliary and PTU To RDSO Spec. No. MP.0.2402.19(Rev.00)Sept. 2006, for High HP locomotives. (Qty. 01 nos.)	CAP	4390	1	4389
VTA DSL Shed: Procurement of Micro Controller based electronic speed indicating recording system type MRT 918 (Paperless type) to RDSO (Qty. 10 sets)	RRSK	1550	1	1549
EL/BL: Procurement of of compact RSI block (consisting RSI 1 & 2) Used for WAG5H Locos (as UES) Qty- 01 sets @ Rs. 14.00 Lakhs per set	RRSK	1400	1	1399
ELS/BRCY: Procurement of of Co-Co Trimount Bogie Frame Complete with brake rigging for WAG5 type electric locos Qty- 05 nos. @ Rs. 9.06 lakhs	RRSK	4532	1	4531
ELS/BRCY: Procurement of of Vigilance Control Device(VCD) for electric locos, Qty.32 Nos. @Rs.1.18 Lakhs each	RRSK	3776	1	3775
ELS/BRC: Rehabilitation of electronic card (PCB) of 3 -phase electric locos (Qty. 12 Loco sets @ Rs. 13.35 Lakhs per loco set)	RRSK	16022	1	16021
ELS/BRC: Procurement of Micro-processor based energy cum speed monitoring system (ESMON) (Qty. 10 nos. @ Rs. 2.40 Lakhs per Loco set)	RRSK	2400	1	2399
Total Locomotives	**CAP**		**16**	
	RRSK		**9**	
Carriages				
PL W/s: Conversion of ACCN to a Mobile Training Car	RRSK	6465	1	6464
PL W/s: Replacement of complete chairs in AC chair cars in 05 coaches, as per ICF Drg. No. ICF/SK-6-1-394 Alt-m/nil (Qty 5 coaches)	RRSK	4051	1	4050
PL W/s: Fitment of double acting BMBC in GS & SLR coaches (Qty-100coaches)	RRSK	13920	1	13919

Mumbai Division: Replacement of existing AHU to roof mounted force ventilation units (RMFVU) in Siemens EMU rakes	RRSK	4546	2	4544
CWM/MX: Procurement of inter vehicular coupler for Bombardier AC EMUs	CAP	9500	2	9498
CWM/DHD/Workshop: Procurment of MEMU DMC Bogie complete with TMs, Wheel sets, Brake rigging etc	CAP	3829	1	3828
LCD/DHD: Procurement of Tap changer complete unit for MEMU DMC	CAP	2016	1	2015
LCD/DHD: provision of Traction Motor type TM 4601 BX, MEMU DMCs	CAP	3352	1	3351
LCW/DHD: Procurement of 25kV AC MEMU Transformer 1050 kVA complete for MEMU DMC	CAP	2537	1	2536
MEMU/BRCY: Procurement of main compressor for MEMU motor coaches	CAP	779	1	778
MEMU/BRCY: Procurement ESMON for MEMU motor coaches	CAP	1033	1	1032
Mumbai Division: Procurement of Radiator parts to LHB type power cars of Rajdhani, Shatabdi, Duranto express and Garib Rath/Yuwa Express type power cars.	RRSK	4785	1	4784
CWM /DHD W/s-: Provision of DEMU DPC Bogie complete with TMs, Wheel sets, Brake rigging etc.(Qty. 2 nos.)	CAP	7658	1	7657
Total Carriages	**CAP**		**9**	
	RRSK		**6**	

Delhi Issue Fair
7/5/18

Government of India
Ministry of Railways
(Railway Board)

No.2017/M (PU)/1/23 New Delhi, dt. 07.05.2018

The General Manager (Mech.),
W.C. Railway,
Jabalpur.

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(Govind Pandey)
Director Mech.Engg.(PU),
Railway Board.

Ministry of Railways
Railway Board
Signature
Date of Issue
08/05/18

WEST CENTRAL RAILWAY

ROLLING STOCK PROGRAMME FOR 2018-19

NEW ACQUISITION

Works Costing **Below** Rs. 2.5 crores

Locomotives

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2018-19	Balance to complete work
Motorized Truck Assembly (MTA) for WDG4D to P.L.No.17022654 (Rear) Qty 01 nos for DSL/NKJ	CAP	14145	1	14144
Turbo Super Charger (TSC) for HHP (WDG4) Locomotives to DLW Part no. 16080087, Qty 02 nos for DSL/NKJ	CAP	8236	1	8235
Fuel efficient power pack without Alternator for WDM3A 3100 HP ALCO locomotives to P.L.No. 12992811, Qty 01 no for DSL/NKJ	CAP	13462	1	13461
Traction Alternator mounted rectifier as per RDSO Spec. no. MP.0.24.02.20. (Rev.00) April'09 Qty 01 no, for DSL/NKJ	RRSK	1246	1	1245
Dynamic Brake Assembly for WDG4 locomotive including Grids, motor & Fans, Qty 01 set for DSL/NKJ	RRSK	1313	1	1312
Dynamic Braking Grid, Fan Tap & non Fan Tap, DLW Pt No.18011378, Qty 01 set for DSL/NKJ	RRSK	734	1	733
54 Inch Radiator Cooling Fan assembly to DLW Part No. 18090023 for HHP(WDG4) Locomotives, Qty 02 nos for DSL/NKJ	RRSK	1270	1	1269
Air Compressor Water cooled for HHP (WDG4) locomotives, Qty 01 no for DSL/NKJ	RRSK	691	1	690
MTA-P4B-4500-Front /17022265 Qty 01 no for DSL/ET	CAP	12103	1	12102
MTA-P4B-4500- Rear /17022277 Qty 01 no for DSL/ET	CAP	12063	1	12062
Wheel Set WDP4D, DLW pt No.17230160, Qty 12 no for DSL/ET	RRSK	8385	1	8384
AC 3ph Traction Motor for WDP-4, Qty 04 nos for DSL/ET	CAP	4862	1	4861
Controller Assembly Dynamic, DLW pt No.17050455, Qty 04 nos for DSL/ET	RRSK	606	1	605
TSC HHP Loco, DLW Part No 16080981, Qty 01 no for DSL/ET	CAP	4036	1	4035
Air Dryer DLW part No.11810725 Qty 05 sets for DSL/ET	RRSK	500	1	499
Centrifugal Lube Oil Cleaner, Part No.10244372, Qty 10 nos for DSL/ET	RRSK	239	1	238
Bogie Frame Arrangement (without equalizer beam), part No 11520760, Qty 02 nos for DSL/ET	RRSK	1590	1	1589
Centre Block Assembly for WDG3A/ WDM3D loco.DLW part No.11026169, Qty 20 nos for DSL/ET	RRSK	247	1	246
Micro Controller based Electronic Speed Indicating Recording System, Qty 07 sets for DSL/ET	RRSK	1010	1	1009
Cam Shaft Assembly for WDS6 loco. Part No.10990094, Qty 04 nos for DSL/ET	RRSK	198	1	197
Turbo with adaption kit for WDS6 loco. Part No.10083704, Qty 01 no for DSL/ET	CAP	2717	1	2716
52 inch DB fan motor assembly with fan guard for ALCO loco Roof Mounted forced cooled Dynamic Braking Hatch Assembly, Qty 02 nos for DSL/ET	CAP	758	1	757

Dynamic Braking Grids for ALCO loco RMDBR, Qty 03 nos for DSL/ET	RRSK	2835	1	2834
Repair & rehabilitation of smoothing reactor (SL-30) of AC locomotives, Qty.-30 nos @ Rs. 4.72Lakhs each for ELS/NKJ.	RRSK	14160	1	14159
Set of 1500 Amp. Capacity CTF 1,2 & 3 As per RDSO SMI	RRSK	5103	1	5102
Braking Excitation contactor (C-145) to CLW Drg.no. 1.TWD113.039 Alt-4 & 4.TWD.113.061 Alt-2 Qty.-10 nos. Qty.-29 nos @ Rs. 0.29 Lakhs each	RRSK	291	1	290
Electro Pneumatic contactor (EPC) type TCP-3421-25-2M with enhanced capacity 1500 amps. similar ,Qty.-25 nos @ Rs.0.35 Lakhs each	RRSK	875	1	874
Electro Mechanical Contactor (EMC) complete assembly to type no. 291.01 to Drg.No. 1.TWD.291.033 Alt-8 or latest, Qty.-20 nos @ Rs. 0.25 Lakhs each	RRSK	250	1	249
Arno starting Contactor(C-118) for 25 KV electric locomotive as per CLW specification CLW/ES/C-15 Alt-D ,Qty.-10 nos @ Rs. 0.44 Lakhs each	RRSK	440	1	439
AC Damping Board (RCAPTFP) complete with ICAR make capacitor (MSR Series) type MSR 25D22-50 as per CLW Drg.no. CLW/ES/SK-3/R-33 or similar ,Qty.-25 nos @ Rs. 0.35 Lakhs each	RRSK	875	1	874
Vigilance control device (VCD) as per RDSO specification No. RDSO/2008 /EL/SPEC/0025 Rev-5 March 2010 with amendment 1,Qty.-10 nos @ Rs. 1.17 Lakhs each	CAP	1170	1	1169
Digital Notch indicator as per RDSO Specification No. ELRS/Spec/DNI/003-2 (Rev-0) Aug- 2004 or latest Qty.-20 nos @ Rs. 18.60 Lakhs each	CAP	1860	1	1859
Vacuum Circuit breaker for Electric loco with single interrupter as per specification no. CLW/ES/ C/47 single bottle or latest Qty.-08 nos @ Rs. 3.07 Lakhs	RRSK	2456	1	2455
Complete Triplate panel mounted IRAB-9 Brake system for WAG-7 Electric locomotives Qty.-03 nos @ Rs. 6.08 Lakhs each	RRSK	1824	1	1823
Air dryer complete for electric locomotives Qty.-03nos @ Rs.1.18 Lakhs each	CAP	354	1	353
Repair/Reconditioning/Rehabilitation & testing of Trimount cast steel Co-Co bogie with equipping of brake rigging including brake cylinder & pipe line of WAG-5 loco Qty.-10 nos @ Rs.8.00 Lakhs each	CAP	8000	1	7999
Foot cum flange mounted three phase induction motor suitable for Traction motor cooling blower. Qty.-05 nos @ Rs.0.78 Lakhs each	RRSK	390	1	389
Set of DI/DU relay complete. Each set consists of QE-01 no.,QF-01 no.,QLM-01 no. ,QOA-01 no. Q-30- 01 no. ,QRSI-02 nos. & QOP-02 nos. Total 07 item 09 nos.Qty.-05 nos @ Rs. 8.14 Lakhs each	RRSK	4070	1	4069
Foot cum flange mounted three phase induction motor suitable for Traction motor cooling blower (MVRH) as per spec no. E/10/3/08 (Revised) September 95 Qty.-50 nos @ Rs. 4.72Lakhs each for ELS/NKJ.	RRSK	312	1	311
Procurement of microprocessor based electronic speed indicator recording and energy monitoring system (ESMON) Qty.-10 nos. @ Rs.2.45 Lakhs each for ELS/NKJ.	RRSK	2450	1	2449

Procurement of Pantograph for high speed on electric locos. Qty.-20 nos @ Rs. 1.73 Lakhs each	RRSK	3460	1	3459
Set of Auxiliary motors. One set consists of 90 nos. Qty.-01 nos @ Rs. 53.90Lakhs each.	RRSK	5390	1	5389
Wheel set for WAP-4 locos Gear ratio 23:58 Qty.-05 nos @ Rs. 8.40 Lakhs each.	CAP	4200	1	4199
Procurement of 3 phase Asynchronous Traction motor. Qty.-01 nos @ Rs. 21.15 Lakhs each	DF-3	2115	1	2114
Total Locomotives	**CAP**		**14**	
	RRSK		**29**	
	DF-3		**1**	

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7/5/18

Government of India
Ministry of Railways
(Railway Board)

No.2017/M (PU)/1/23 New Delhi, dt. 07.05.2018

The General Manager,
Metro Railway,
Metro Bhawan,
Chowringee Road,
Kolkata.

Sub: Itemized Rolling Stock Programme for the year 2018-19– Costing below rupees 2. 50 Crore each.

A copy of approved works of Itemized RSP (New Acquisitions) for the year 2018-19, costing below rupees 2.50 crore each is enclosed herewith for printing in the List of Approved Works for 2018-19, along with the other works costing below rupees 2.50 crore each. A list of works for inclusion in the LAW book for 2018-19 for the other plan heads is being circulated separately by Budget Branch of Railway Board. It may be ensured that the allotment of funds to the individual items is kept within the overall allotment under lump sum provision.

The printed copies may be sent to Budget Branch, Room No. 204, Railway Board by the stipulated date for further distribution.

Please acknowledge the receipt.

08/05/18
Signature
Date of issue

7.5.18.

(Govind Pandey)
Director Mech.Engg.(PU),
Railway Board.

Metro/Kolkata

ROLLING STOCK PROGRAMME FOR 2018-19

New Acquisition

Works Costing **Below** Rs. 2.50 crores

Carriages

(Figure in thousand of Rupees)

Particulars	Allocation	Anticipated Cost	Outlay proposed for 2015-16	Balance to complete work
Procurement of SBR for replacement in prototype AC Rakes.	CAP	9592	1	9591
Procurement of Sealed maintenance free lead acid battery 300 AH (VRLA)	CAP	4076	1	4075
Procurement of power rectangular socket assembly.	CAP	15594	1	15593
Total Carriages	**CAP**		3	