

GOVERNMENT OF INDIA/ BHARAT SARKAR
MINISTRY OF RAILWAYS/ RAIL MANTRALAYA
(RAILWAY BOARD)

No.2019/RS(B)/60/1

New Delhi, dated: 16-07-2019.

General Managers (Budget),
Central, Eastern, Northern, North Eastern, Northeast Frontier,
Southern, South Central, South Eastern, Western, East Central, East Coast, North Central, North
Western, Southeast Central, South Western and West Central Railways.

General Managers (Mech.)
Central, Eastern, Northern, North Eastern, Northeast Frontier,
Southern, South Central, South Eastern, Western, East Central, East Coast, North Central, North
Western, Southeast Central, South Western and West Central Railways.

**Sub: Regular Budget Estimate - Demand No.80 Assets - Acquisition,
Construction and Replacement for 2019-20 (Below 2.5 Crs.)**

Statement showing provisions which have been included in the Regular Budget Estimate of
each Railway in respect of Bulk Order Items of Rolling Stock costing below ₹ 2.5 crs. for the
year 2019-20 are sent here with for information and necessary action.

DA: As above


(K.C.N. Menon)

Dy. Director, Rly.Stores(Budget)
Railway Board.

No.2019/RS(B)/60/1

New Delhi, dated: 16-07-2019.

Copy forwarded to:

1. FA&CAOs, Central, Eastern, Northern, North Eastern, Northeast Frontier,
Southern, South Central, South Eastern, Western, East Central, East Coast, North Central,
NorthWestern, Southeast Central, South Western and West Central Railways, Chittaranjan
Locomotive Works, Diesel Locomotive Works, Integral Coach Factory, Rail Wheel Factory,
Rail Coach Factory and Diesel Loco Modernization Works.
2. General Managers, Chittaranjan Locomotive Works, Diesel Locomotive Works, Integral
Coach Factory, Rail Wheel Factory, Rail Coach Factory and Diesel Loco Modernization
Works.
3. S.A.O.(Bulk Order), Railway Board.
4. Budget Branch, Railway Board.


(K.C.N. Menon)

Dy. Director, Rly.Stores(Budget)
Railway Board.

Item No.	Particulars of Works	Allocation	Sanctioned Cost	Outlay Proposed for 2019-20
A - PROGRAMMED DELIVERIES				
Locomotives				
1	5 TG/Alternater for WDM-2 locos (DSL) ex.DLW @ Rs.15 lakhs each apprx (48/97-98, 100/8-9 WB16/7-8, 109/13-14, 116/14-15, 2/15-16,2/16-17, 2/17-18, 1/18-19)	Cap. EBR(IRFC)	1,90,00 5,00	1
2	3 Nos NG Rail Cars for Kalka - Shimla Section Rs. 37.5 lakhs each (6/97-98, WB17/7-8 22/8-9, 57/13-14, 63/14-15, 3/15-16,3/16-17, 3/17-18, 2/18-19)	RRSK	1,12,50	5008
3	4 NG Rail Buses (304/97-98, 1& 31/3-4, 71/5-6&69/6-7 WB27/7-8 23/8-9, 58/13-14, 64/14-15, 5/15-16,5/16-17, 5/17-18, 4/18-19)	Cap. EBR(IRFC)	1,50,00 50,00	.. 1
4	Procurement of one oil fired loco boiler for X class steam loco in Nilgiri Mountain Rlys Rs.50 lakhs (138/00-01, WB15/7-8, 116/13-14), 123/14-15, 8/15-16,8/16-17, 8/17-18, 6/18-19)	RRSK	50,00	1
5	Rehab. of 4 NG steam locos for Neral Matheran and Darjeeling - Himalayan Rly Rs. 50 lacs (462/02-03, WB30/7-8 , 59/13-14, 65/14-15, 18/15-16,16/16-17, 12/17-18 ,8/18-19)	RRSK	2,00,00	1
6	Procurement of 2 NG Rail cars for Kalka - Shimla section @ Rs. 75 lacs (463/02-03, WB31/7-8 , 60/13-14, 66/14-15, 19/15-16,17/16-17, 13/17-18 ,9/18-19)	RRSK	1,50,00	1
7	3 MTA for shunting dsl llocos ex.DLW @ Rs. 79 lakhs each consisting of bogie frame, TM & w/sets (467/02-03, 87/8-9 WB33/7-8, 100/13-14, 107/14-15, 21/15-16,19/16-17, 15/17-18, 11/18-19)	EBR(IRFC) Cap.	1,37,00 1,00,00	1
8	Prov.of LED based fish. lgt on 1000 Mainline DSL locos @ Rs.12000 (486/03-04 , 76/8-9 WB37/7-8, 95/13-14, 102/14-15, 23/15-16,21/16-17, 16/17-18,12/18-19)	EBR(IRFC) Cap.	20,00 1,00,00	1 5005
9	Electronic Fuel Injection Unit for 10 Dsl locos @ Rs.20 lacs / loco (495/03-04, 109/8-9 WB40/7-8, 118/9-10, 118/13-14, 126/14-15, 25/15-16,22/16-17, 17/17-18,13/18-19)	EBR(IRFC) Cap.	1,00,00 1,00,00	5000
10	2 MTAs for WDM3C Dsl Locos Ex.DLW Rs.79 lakhs consisting of Bogie frame TM & W/Sets (492/03-04 , 88/8-9, 101/13-14, 108/14-15, 27/15-16,24/16-17, 19/17-18,14/18-19)	EBR(IRFC) Cap.	58,00 1,00,00	.. 1
11	5 Nos. TM Hitachi for elect locos Rs. 22 lacs ex.CLW (611/5-6 45/8-9, 71/13-14, 77/14-15, 40/15-16,31/16-17, 25/17-18,15/18-19)	RRSK	1,10,00	1
12	10 Nos. w/sets Rs. 8 lacs ex. CLW (614/5-6 &191/6-7, 86/13-14, 93/14-15, 41/15-16,32/16-17, 26/17-18, 16/18-19)	EBR(IRFC)	80,00	4
13	9 Nos. TM stator Rs. 10 lacs ex CLW (615/5-6 46/8-9 WB71/7-8, 72/13-14, 78/14-15, 42/15-16,33/16-17, 27/17-18,17/18-19)	EBR(IRFC)	90,00	1
14	2 Nos. Traction converter Bus Station Rs. 43 lacs ex. CLW(617/5-6 &194/6-7 WB73/7-8, 87/13-14, 94/14-15, 43/15-16,34/16-17, 28/17-18,18/18-19)	RRSK	86,00	1
15	4 Nos. valve set Rs. 37 lacs ex. CLW(618/5-6 &195/6-7, 88/13-14, 95/14-15, 44/15-16,35/16-17, 29/17-18,19/18-19)	RRSK	1,48,00	1
16	6 Nos. Transformer HETT-5400 for elect. locos Rs. 24 lacs each ex. CLW(664/6-7 WB85/7-8 56/8-9, 77/13-14, 84/14-15, 49/15-16,38/16-17, 30/17-18,20/18-19)	EBR(IRFC)	1,44,00	1
17	10 Nos. wheelset Rs. 8 lacs per ex CLW(667/6-7 WB88/7-8 17/8-9, 52/13-14, 58/14-15, 52/15-16,41/16-17, 31/17-18,21/18-19)	Cap.	80,00	3150
18	9 Nos. TM stator Rs. 10 lacs per unit ex. CLW(668/6-7, 74/13-14, 80/14-15, 53/15-16,42/16-17, 32/17-18,22/18-19)	EBR(IRFC)	90,00	1
19	2 Nos. Traction Converter Bus Station Rs. 43 lacs each ex CLW (672/6-7, 53/13-14, 59/14-15, 54/15-16,43/16-17, 33/17-18,23/18-19)	RRSK	86,00	1
20	4 Nos. Valve set Rs. 37 lacs per unit ex CLW(673/6-7 , 54/13-14, 60/14-15, 55/15-16,44/16-17, 34/17-18,24/18-19)	RRSK	1,48,00	1
21	Transformer HETT-5400 for electric locos (7 Nos) @ Rs.25 lakh each ex. CLW WB 127/7-8 16/8-9, 56/13-14, 62/14-15, 57/15-16,46/16-17, 36/17-18,25/18-19)	RRSK	1,75,00	1
22	TG/TA for WDG/WDM locos ex. DLW (16 Nos) Rs. 30 lacs.WB 130/7-8 104/8-9, 115/13-14, 122/14-15, 60/15-16 ,49/16-17, 37/17-18,26/18-19)	EBR(IRFC) RRSK DRF	10,00 70,00 10,00	.. 10000
23	PCB cards for traction converter, aux. converter control electronics (120 Nos) @ Rs.2 lakh WB136/7-8 , 28/13-14, 31/14-15, 64/15-16,53/16-17, 39/17-18,27/18-19)	RRSK	2,40,00	20000
24	Complete rehab.of 1 BG loco Rs. 2 Cr. (148/8-9, 9/11-12, 21/13-14, 22/14-15, 65/15-16,54/16-17, 40/17-18,28/18-19)	RRSK	2,00,00	1

Item No.	Particulars of Works	Allocation	Sanctioned Cost	Outlay Proposed for 2019-20
A - PROGRAMMED DELIVERIES				
25	Manufacture of 15 live steam locos to 1:8 scale Rs.15 lacs through trade (149/8-9 WB9/9-10, 17/12-13, 22/13-14, 23/14-15, 66/15-16,55/16-17, 41/17-18, 29/18-19)	RRSK	2,25,00	1
26	8 Nos. bogie frame for three ph. locos Rs. 18 lacs (WB152/8-9, 89/13-14, 96/14-15, 69/15-16,58/16-17, 42/17-18, 30/18-19)	RRSK	1,44,00	1
27	10 Nos. compressor with motor for 3 ph. locos Rs.4 lacs WB153/8-9, 90/13-14, 97/14-15, 70/15-16,59/16-17, 43/17-18, 31/18-19)	EBR(IRFC)	40,00	1
28	5 Nos.E-70 unit panel with valves for 3 ph. Locos Rs.28 lacs (WB154/8-9, 91/13-14, 98/14-15, 71/15-16,60/16-17, 44/17-18, 32/18-19)	RRSK	1,40,00	1
29	7 Air Brk.Pneumatic valves and CRU cards Rs.23 lacs 158/8-9, 122/9-10, 119/13-14, 127/14-15, 74/15-16,63/16-17, 45/17-18, 33/18-19)	RRSK	1,61,00	1
30	7 radiator fan with motor Rs.7.5 lacs 160/8-9, 124/9-10, 121/13-14, 129/14-15, 76/15-16,65/16-17, 47/17-18, 35/18-19)	RRSK	52,50	1
31	7 air compressor Rs.5.2 lacs 161/8-9, 125/9-10, 122/13-14, 130/14-15, 77/15-16,66/16-17, 48/17-18, 36/18-19)	RRSK	36,40	1
32	Provsn of LCD displace alongwith modified controled stand on 50 loco motives Rs.3.5 lacs(177/9-10, 128/13-14, 136/14-15, 83/15-16,72/16-17, 54/17-18, 39/18-19)	EBR(IRFC) Cap.	75,00 1,00,00	1 24800
33	20 bogies for WAG-9/WAP-7 Rs.8.5 lacs(178/9-10, 134/10-11, 129/13-14, 137/14-15, 84/15-16,73/16-17, 55/17-18, 40/18-19)	EBR(IRFC)	1,70,00	1
34	39 Nos. w/sets for conventional locos ex CLW/BHEL Rs.6 lacs each(184/9-10, WB137/10-11, 131/13-14, 139/14-15, 88/15-16,77/16-17, 56/17-18, 41/18-19)	EBR(IRFC)	2,34,00	1
35	56 Nos. TM rotor Rs. 4 lac per unit(185/9-10, WB138/10-11, 132/13-14, 140/14-15, 89/15-16,78/16-17, 57/17-18, 42/18-19)	EBR(IRFC)	2,24,00	1
36	8 No. Bogie frame for 3 Ph loco Rs.23 lac per unit(186/9-10), WB139/10-11, 133/13-14, 141/14-15, 90/15-16,,79/16-17, 58/17-18, 43/18-19)	EBR(IRFC)	1,84,00	1
37	3 Nos. E-70 break system unit panel with valve Rs. 37 lacs per unit(187/9-10, WB140/10-11, 134/13-14, 142/14-15, 91/15-16,80/16-17, 59/17-18, 44/18-19)	RRSK	1,11,00	1
38	7 Air compressor Rs. 5.2 lac each(196/9-10,WB147/10-11 163/11-12, 1, 135/13-14, 143/14-15, 92/15-16,81/16-17, 60/17-18, 45/18-19)	RRSK	36,40	1
39	Provn of ACES with APU for 20 ALCO locos Rs.10 lac(WB215/10-11 50/11-12, 67/13-14, 73/14-15, 97/15-16,84/16-17, 63/17-18, 46/18-19)	RRSK	2,00,00	23200
40	40 w/sets Rs.5.5 lakhs(WB212/10-11 26/11-12, 30/12-13, 31/13-14, 34/14-15, 101/15-16,86/16-17, 65/17-18, 48/18-19)	RRSK	2,20,00	16200
41	9 Nos. Bogie frame for WAP5 3 ph locos Rs.16.5 lacs per unit(WB 204/10-11 11/11-12, 24/13-14, 24/14-15, 103/15-16,88/16-17, 67/17-18, 50/18-19)	Cap.	1,48,50	12400
42	GOLD(guidance for optimized loco Driving) for 20 locos Rs. 5.5 lacs (WB 216/10-11, 2/13-14, 2/14-15, 105/15-16,90/16-17, 69/17-18, 51/18-19)	Cap. EBR(IRFC)	1,00,00 10,00	.. 1
43	Procurement of new Boiler for Fairy Queen WB(238/11-12, 10/12-13, 12/13-14, 13/14-15, 110/15-16,93/16-17, 72/17-18, 53/18-19)	RRSK	43,00	1
44	Rehabilitation of 20 PCB cards for 3 ph. electric locos Rs.9 lacs WB (239/11-12, 33/12-13, 33/13-14, 36/14-15, 111/15-16,94/16-17, 73/17-18, 54/18-19)	EBR(IRFC) RRSK	1,30,00 50,00	.. 3700
45	50 Bolster for WAP4/WAP1 electric locos Rs.4 lacsWB (240/11-12, 34/12-13, 34/13-14, 37/14-15, 112/15-16,95/16-17, 74/17-18, 55/18-19)	RRSK DRF	1,90,00 10,00	1 ..
46	1000 sets of gapless surge arrestor Rs.0.22 lacs WB(241/11-12, 35/12-13, 35/13-14, 38/14-15, 113/15-16,96/16-17, 75/17-18, 56/18-19)	EBR(IRFC) Cap.	1,00,00 1,20,00	.. 11840
47	Rehabilitation of 50 TM rotors for 3 ph.electric locos Rs. 4 lacs WB(243/11-12, 37/12-13, 36/13-14, 39/14-15, 114/15-16,97/16-17, 76/17-18, 57/18-19)	DRF EBR(IRFC)	1,00,00 79,99	.. 1
48	Provision of 50 sets DC link voltage sensor modules for power converters of 3 ph.locos Rs.4 lacs per loco WB (242/11-12, 11/12-13, 13/13-14, 14/14-15, 115/15-16,98/16-17, 77/17-18, 58/18-19)	DRF RRSK	1,90,00 10,00	.. 1

Item No.	Particulars of Works	Allocation	Sanctioned Cost	Outlay Proposed for 2019-20
A - PROGRAMMED DELIVERIES				
49	VCDs on 282 nos. locos Rs.65000/- per locos (242/12-13, 14/13-14, 15/14-15, 117/15-16,100/16-17, 79/17-18, 60/18-19)	Cap. EBR(IRFC)	1,33,30 50,00	2000 ..
50	20 Sets of mandatory spares for static invertors of AC/DC locos Rs.8 lacs(244/12-13, 37/13-14, 40/14-15, 120/15-16,102/16-17, 81/17-18, 61/18-19)	Cap. EBR(IRFC)	1,25,00 35,00	1 ..
51	04 nos. bogie frame for WAP7/WAG9 3 ph. Locos Rs.27 lac each WB(245/12-13, 38/13-14, 41/14-15, 121/15-16,103/16-17, 82/17-18, 62/18-19)	Cap. EBR(IRFC)	1,00,00 8,00	.. 1
52	02 Nos. bogie frame with brake rigging for WAP5 3 ph.locos Rs.16.5 lacs WB(246/12-13, 39/13-14, 42/14-15, 122/15-16,104/16-17, 83/17-18, 63/18-19)	Cap. EBR(IRFC)	30,00 3,00	.. 1
53	24 Nos. wheel sets for WAP7/WAP9 3 ph.locos Rs.9.0 lac per unit.WB (247/12-13, 40/13-14, 43/14-15, 123/15-16,105/16-17, 84/17-18, 64/18-19)	Cap. EBR(IRFC)	1,79,00 37,00	12198 ..
54	6 Nos. wheel sets for WAP5 three ph.locos Rs.9.0 lac each WB(248/12-13, 41/13-14, 44/14-15, 124/15-16,106/16-17, 85/17-18, 65/18-19)	Cap. EBR(IRFC)	40,72 13,28	1 ..
55	12 Nos. TM stators for WAP7/WAG9 3 ph.locos Rs.10 lacs per unit WB(249/12-13, 42/13-14, 45/14-15, 125/15-16,107/16-17, 86/17-18, 66/18-19)	Cap. EBR(IRFC)	20,00 1,00,00	.. 1
56	3 Nos. TM stators for WAP5 electric locos Rs.10 lacs each WB(250/12-13, 43/13-14, 46/14-15, 126/15-16,108/16-17, 87/17-18, 67/18-19)	Cap. EBR(IRFC)	25,00 5,00	.. 1
57	12 Nos. rotor for three ph. locos Rs.6.5 lacs per unit WB (251/12-13, 44/13-14, 47/14-15, 127/15-16,109/16-17, 88/17-18, 68/18-19)	Cap. EBR(IRFC)	70,00 8,00	.. 1
58	6 Nos. valve sets ZV+MV Rs.12.5 lacs per unit WB(252/12-13, 45/13-14, 48/14-15, 128/15-16,110/16-17, 89/17-18, 69/18-19)	Cap. EBR(IRFC)	60,32 14,68	.. 1
59	2 sets Control Electronics (loco set) control,conv.&Aux.converter Rs.34.5 lacs per set WB(253/12-13, 46/13-14, 49/14-15, 129/15-16,111/16-17, 90/17-18, 70/18-19)	Cap. EBR(IRFC)	67,00 2,00	3540 ..
60	03 Nos.E-70 brake system unit panel with valve Rs.32 lac per unit WB(254/12-13, 47/13-14, 50/14-15, 130/15-16,112/16-17, 91/17-18, 71/18-19)	Cap. EBR(IRFC)	90,00 6,00	.. 1
61	"27 Nos. wheelsets with the axle box for WAP4/WAG7 locos Rs.6.6 lacs each"(192(a)/12-13, 23/13-14, 54/14-15, 134/15-16,115/16-17, 94/17-18, 74/18-19)	Cap. EBR(IRFC)	1,19,00 59,20	6146 ..
62	"Design and development of an Integrated Locomotive Driver Warning System for preventing Elephant Collisions(Phase-1)" (192(b)/12-13, 16/13-14, 17/14-15, 135/15-16,116/16-17, 95/17-18, 75/18-19)	DF(1)	1,00,00	4998
63	6 Nos. wheel sets with axle box for WAG-9/WAP-7 3 Ph. electric locos Rs.9.0 lacs each WB(204/13-14, 25/14-15, 137/15-16,118/16-17, 97/17-18, 76/18-19)	Cap. EBR(IRFC)	10,22 43,77	.. 1
64	4 Nos. wheel sets with axle box for WAP-5 3 ph.electric locos Rs.29.0 lacs each WB(205/13-14, 26/14-15, 138/15-16,119/16-17, 98/17-18, 77/18-19)	Cap. EBR(IRFC)	80,00 36,00	.. 1
65	8 Nos. Traction motors 6 FRA 6068 for WAG9/WAP7 3 ph.locos Rs.28.7 lacs eachWB(207/13-14, 83/14-15, 139/15-16,120/16-17, 99/17-18, 78/18-19)	Cap. EBR(IRFC)	2,20,00 9,60	.. 1
66	04 Bogie frame with brk.rigging for WAP-5 3 ph. electric locos Rs.5.17 lacs each WB(206/13-14, 27/14-15, 140/15-16,121/16-17, 100/17-18, 79/18-19)	Cap. EBR(IRFC)	2,00,00 6,80	.. 1
67	Design and development of a Integrated Locomotive Driver Warning system for preventing Elephant Collisions(Ph-1) (WB150a/13-14, 125/14-15, 141/15-16,122/16-17, 101/17-18, 80/18-19)	DF(1)	1,00,00	1
68	Conversion of 10 Alco locomotive to Common Rail Direct injection (CRDI) system Rs.22 lacs(212/14-15, 143/15-16,124/16-17, 103/17-18, 81/18-19)	Cap. EBR(IRFC)	2,00,00 20,00	21564 ..
69	50 Nos. 30 KW Oil cooling blower unit complete with casing and blower Rs.3.6 lacs(219/14-15, 146/15-16,127/16-17, 106/17-18, 82/18-19)	EBR(IRFC)	1,80,00	1
70	5 Traction Motors 6 FXA 7059 for WAP-5 3 ph.locos Rs.27 lacs(214/14-15, 147/15-16,128/16-17, 107/17-18, 83/18-19)	RRSK	1,40,00	1
71	10 Bogie frames with brake rigging for WAG-9/WAP-7 3 ph. Rs.10 lacs(215/14-15, 148/15-16,129/16-17, 108/17-18, 84/18-19)	EBR(IRFC)	1,00,00	1
72	2 Bogies with disc brake arrangement for WAP-5 3 Ph.locos Rs.60 lacs(216/14-15, 149/15-16,130/16-17, 109/17-18, 85/18-19)	Cap.	1,20,00	13300
73	10 Bogies with brake rigging for WAG-7 conventional locos Rs.10 lacs(220/14-15, 150/15-16,131/16-17, 110/17-18, 86/18-19)	Cap.	1,00,00	1200
74	10 Wheelsets with axle box for WAP-5 3ph. electric locos Rs. 29 lacs(217/14-15, 151/15-16,132/16-17, 111/17-18, 87/18-19)	EBR(IRFC)	2,90,00	1
75	1 TG/TA for WDM3C Diesel Locos Ex.DLW @ Rs.26 lakhs WB160/10-11, 145/13-14, 153/15-16,134/16-17, 112/17-18, 88/18-19)	Cap. EBR(IRFC)	20,00 6,00	1 ..

Item No.	Particulars of Works	Allocation	Sanctioned Cost	Outlay Proposed for 2019-20
A - PROGRAMMED DELIVERIES				
76	7 DB grid fan with motor Rs.4.2 lacs 171/8-9, 141/9-10, WB164/10-11, 149/13-14, 161/15-16,141/16-17, 117/17-18, 91/18-19)	RRSK	29,40	1
77	3 Nos. TM rotors for WAP5 electric locos Rs.6.5 lacs WB(258/12-13, 138/13-14, 165/15-16,143/16-17, 118/17-18, 92/18-19)	EBR(IRFC) Cap.	9,50 10,00	1 ..
78	Oil cooling blower unit with casing (30 KV)-50 nos. Rs.3.5 lacs(225/15-16,144/16-17, 119/17-18, 93/18-19)	EBR(IRFC)	1,75,00	1
79	Bogie frame with mod.brake rigging for WAG9-10 Nos. Rs.10 lacs(226/15-16,145/16-17, 120/17-18, 94/18-19)	Cap.	1,00,00	16000
80	Bogie with brake rigging for WAG7 locos-20 nos. Rs.10 lacs(227/15-16,146/16-17, 121/17-18, 95/18-19)	Cap.	2,00,00	220
81	Single bottle vacuum circuit breakers-50 nos. Rs.2.9 lacs(228/15-16,147/16-17, 122/17-18, 96/18-19)	Cap.	1,45,00	800
82	Set of Aux. Converter bus stations comprising of BUR-1,2 & 3 Units-8 Units @ Rs.27 lakhs(209/16-17, 124/17-18, 98/18-19)	RRSK	2,16,00	21600
83	Fabricated bolsters for WAP4/WAP1 locos-50 Nos. @ Rs.4.5 lakhs(210/16-17, 125/17-18, 99/18-19)	Cap.	2,25,00	1
84	Oil cooling blower unit with casing (30 KW)-50 Nos. @ Rs.3.5 lakhs(211/16-17, 126/17-18, 100/18-19)	DRF RRSK	90,00 85,00	.. 1
85	Bogie frame with Brake rigging for WAG9-15 Nos. @ Rs.15.25 lakhs(212/16-17, 127/17-18, 101/18-19)	DRF RRSK	75 2,28,00	.. 22480
86	Bogie frame with mod. Brake rigging for WAP-7 locos -5 Nos. @ Rs.19 lakhs(213/16-17, 128/17-18, 102/18-19)	DRF RRSK	5,00 90,00	.. 1
87	Brake control system for three phase locos-5 sets @ Rs.36.5 lakhs(214/16-17, 129/17-18, 103/18-19)	EBR(IRFC) Cap.	50 1,82,00	1 4990
88	TSC for HHP locos – 5Nos @ Rs.40.2 lakhs (193/17-18, 104/18-19)	Cap.	2,01,00	4990
89	Works costing below rupees 5 lakh each(166/15-16, 130/17-18, 105/18-19)	DF(1)	36,94,77	1
90	Microprocessor based electronic speed cum energy monitoring system for 50 conventional locomotives @ Rs.2.43 lakhs(170/18-19)	RRSK	1,21,50	1
91	Vigilance Control Unit (VCD) complete for 100 Conventional Locomotives @ Rs.1.27 lakhs(171/18-19)	RRSK	1,27,00	1
92	Bogie frame with brake rigging for WAG-9 3-ph locomotives - 10 nos. @ Rs.19.72 lakhs(172/18-19)	RRSK	1,97,20	8000
93	Bogie frame with brake rigging for WAP-7 locomotives -10 nos. @ Rs.20.1 lakhs(173/18-19)	RRSK	2,01,00	8000
94	Fabricated Bolster for WAP-4/WAP-7 locomotives -50 Nos. at Rs.3.88 lakhs (174/18-19)	RRSK	1,94,00	18612
95	Oil Cooling Blower (OCB) unit complete with casing and blower for 3-ph electric locomotives - 25 Nos.@ Rs.2.53 lakhs(175/18-19)	RRSK	63,25	6800
96	Oil cooling radiator for Transformer and traction converter - 50 nos.@ Rs.5.56 lakhs(176/18-19)	RRSK	1,11,20	1
97	Primary Voltage Transformer - 20 nos. @ Rs.3.72 lakhs(177/18-19)	RRSK	74,40	2225
98	High speed pantograph AM-92 - 50 nos. @ Rs.95000 (177/18-19)	RRSK	47,50	1
	Total-Locomotives	Cap. DRF DF(1) EBR(IRFC) RRSK	.. .. .. .. ..	144160 0 5000 34 165854
Carriages				
99	20 Pantry cars Rs. 11 lacs ex. RCF (446/88-89 282/91-92 182/93-94, 125/8-9 WB98/7-8, 158/13-14, 166/14-15, 167/15-16,149/16-17, 131/17-18,106/18-19)	EBR(IRFC)	2,20,00	1
100	10 BG Shell for special stock Rs. 5 lacs ex. ICF/Import 264/91-92 132/8-9 WB99/7-8, 166/13-14, 174/14-15 168/15-16,150/16-17, 132/17-18,107/18-19)	RRSK	50,00	1
101	3 BG AC Ist class chair car with air brk. and high speed Rs. 70 lacs ex. RCF(432/93-94 , 123/8-9 WB100/7-8, 157/13-14, 165/14-15 ,169/15-16,151/16-17, 133/17-18,108/18-19)	EBR(IRFC) Cap.	10,00 2,00,00	1
102	1 No. HOGAC 2/3 tier with air brk. Rs. 65 lacs ex. RCF (188/98-99, 118/8-9 WB101/7-8, 152/13-14, 160/14-15 ,170/15-16,152/16-17, 134/17-18,109/18-19)	EBR(IRFC) Cap.	5,00 60,00	1
103	1 No. HOG II Cl. ACCC with air brks Rs. 80 lacs (189/98-99, 226/5-6 &262/6-7 WB102/7-8, 155/13-14, 163/14-15 ,171/15-16,153/16-17, 135/17-18,110/18-19)	EBR(IRFC) Cap.	17,00 1,00,00	1
104	2 Nos. high speed II AC chair car with guard's cubicle Rs97 lacs ex. RCF (146/99-00, 122/8-9 WB103/7-8, 156/13-14, 164/14-15 ,172/15-16,154/16-17, 136/17-18,111/18-19)	Cap. EBR(IRFC)	1,00,00 94,00	.. 1
105	1 HOG IInd AC CC with air brake (189/98-99,127/8-9 WB104/7-8, 151/9-10, 161/13-14, 169/14-15,173/15-16,155/16-17, 137/17-18,112/18-19)	EBR(IRFC) Cap.	17,00 1,00,00	1 ..
106	3 Nos. RDSO staff car with air bk Rs. 50 lacs ex ICF (539/4-5, 128/8-9 WB105/7-8, 162/13-14, 170/14-15,174/15-16,156/16-17, 138/17-18,113/18-19)	EBR(IRFC)	1,50,00	1

Item No.	Particulars of Works	Allocation	Sanctioned Cost	Outlay Proposed for 2019-20
A - PROGRAMMED DELIVERIES				
107	Provn of emergency lights in 1000 coaches Rs.10000 each (559/4-5, 358/5-6 & 384/6-7 WB106/7-8, 167/13-14, 175/14-15,175/15-16,157/16-17, 139/17-18,114/18-19)	RRSK	1,00,00	1
108	750 V single ph to 750 V 3 ph. 500 KVA static generator in WLRRM Rs. 1.5 cr (562/4-5, 134/8-9 WB107/7-8, 168/13-14, 176/14-15,176/15-16,158/16-17, 140/17-18,115/18-19)	RRSK	1,50,00	1
109	3 Nos. RDSO staff car with air bk Rs. 55 lacs ex ICF(631/5-6 &396/6-7 WB108/7-8 , 160/13-14, 168/14-15,177/15-16,159/16-17, 141/17-18,116/18-19)	Cap. EBR(IRFC)	1,00,00 65,00	.. 1
110	Retrofitment of enhanced capacity screw coupling on 500 coaches Rs.35000(655/5-6 &420/6-7 WB109/7-8, 130/8-9, 165/13-14, 173/14-15,178/15-16,160/16-17, 142/17-18,117/18-19)	RRSK	1,75,00	1
111	1 No. AC Inspection Carriage with air brk.@ Rs. 105 lacs ex. ICF(683/6-7 WB110/7-8, 119/8-9, 153/13-14, 161/14-15,179/15-16,161/16-17, 143/17-18,118/18-19)	EBR(IRFC) Cap.	5,00 1,00,00	1 ..
112	1 No. Inspection Carriage with air brk. @ Rs. 55 lacs(684/6-7 WB111/7-8 120/8-9, 154/13-14, 162/14-15,180/15-16,162/16-17, 144/17-18,119/18-19)	Cap. EBR(IRFC)	50,00 5,00	.. 1
113	Conversion of MG coaches into ART/ARME 20 Nos@ Rs.11 lacs(707/6-7, WB 112/7-8 , 164/13-14, 172/14-15 ,181/15-16,163/16-17, 145/17-18,120/18-19)	RRSK	2,20,00	1
114	Conversion of Pantry cars 15 Nos. into composite Pantry-cum-sleeper Coach WB138/7-8 124/8-9, 159/13-14, 167/14-15 ,182/15-16,164/16-17, 146/17-18,121/18-19)	RRSK	2,25,00	1
115	Manufacture of one additional bare shell for gym-cum-spa for Karnataka STDC ex. ICF(corrigen.112a/7-8 131/8-9, WB183/10-11, 169/13-14, 177/14-15 ,183/15-16,165/16-17, 147/17-18,122/18-19)	Cap. EBR(IRFC)	45,00 5,00	1 1
116	Procurement and fitment of EP brk.system on ICF and LHB coaches-100 no.Rs. 1 lac 172/8-9, 159/9-10 170/13-14, 178/14-15 ,184/15-16,166/16-17, 148/17-18,123/18-19)	Cap. EBR(IRFC)	98,00 2,00	.. 1
117	Provision of microprocessor controlled LED based destination Boards on 500 coaches Rs.40 000/- (173/8-9 , 171/13-14, 179/14-15 ,185/15-16,167/16-17, 149/17-18,124/18-19)	RRSK	2,00,00	1
118	Restoration of 1 BG, 3MG & 1 NG Vintage coaches Rs. 15 lacs 174/8-9, 161/9-10WB186/10-11, 172/13-14, 180/14-15 ,186/15-16,168/16-17, 150/17-18,125/18-19)	RRSK	75,00	1
119	Manufacture of self propelled coach for Rail Museum Rs.225 lacs 175/8-9, 162/9-10, WB187/10-11 173/13-14, 181/14-15 ,187/15-16,169/16-17, 151/17-18,126/18-19)	RRSK	2,25,00	1
120	Manufacture of 100 scaled down coaches from trade for Rail Museum Rs. 2 lacs 176/8-9,163/9-10 174/13-14, 182/14-15 ,188/15-16,170/16-17, 152/17-18,127/18-19)	RRSK	2,00,00	1
121	Provision of fire detection and suppression system on 25 LHB power cars Rs.4 lacs WB(259/12-13 163/13-14, 171/14-15 ,189/15-16,171/16-17, 153/17-18,128/18-19)	EBR(IRFC) Cap.	5,00 95,00	.. 1
122	Development of RSP Portal of Railway Board (259a/12-13, 151/13-14, 159/14-15 ,190/15-16,172/16-17, 154/17-18,129/18-19)	EBR(IRFC) Cap.	7,00 20,00	1 ..
123	Provision of Fire Extinguishers with anti theft arrangement in 1000 non-AC coaches(4 nos./coach) Rs.8000(223/14-15 ,191/15-16,173/16-17, 155/17-18,130/18-19)	Cap. EBR(IRFC)	70,00 10,00	3430 1
124	Upgradation of coach toilets of important mail and express trains running on round trip BPC on 100 coaches Rs.2 lacs(224/14-15 ,192/15-16,174/16-17, 156/17-18,131/18-19)	RRSK	2,00,00	1
125	Integrated axle box temperature measurement system with real time transmission of temperature data alongwith AMOC at 2 stations Rs.20 lacs(225/14-15 ,193/15-16,175/16-17, 157/17-18,132/18-19)	EBR(IRFC) Cap.	5,00 35,00	1 ..
126	Provision of tread cleaning units in LHB FIAT bogies on 25 coaches Rs.5.5 lacs(226/14-15,194/15-16,176/16-17, 158/17-18,133/18-19)	Cap.	1,37,50	1
127	Proof of concept of Running Train Examination system (RTES) 2 Nos. Rs.1 cr.(227/14-15,195/15-16,177/16-17, 159/17-18, 134/18-19)	EBR(IRFC) Cap.	50,00 1,50,00	1 ..
128	Air craft pantry equipments for pantry cars of 10 Rajdhani /Shatabdi Express Rs.6.75 lacs(228/14-15,196/15-16,178/16-17, 160/17-18, 135/18-19)	EBR(IRFC) Cap.	67,35 15	1 4000
129	Provision of capacitor bank for power factor improvement in 1000 LHB EOG coaches Rs.15000/-(222/14-15,197/15-16,179/16-17, 161/17-18, 136/18-19)	EBR(IRFC) Cap.	1,50,00 ..	1 ..
130	Provision of solar panels on coaches to harness solar energy-50 nos . Rs. 1.5 lacs(221/14-15 ,198/15-16,180/16-17, 162/17-18, 137/18-19)	Cap. EBR(IRFC)	1,00,00 50,00	.. 1
131	Hand held remote control units 100 nos. Rs.25000/- (216/12-13, 175/13-14 ,199/15-16,181/16-17, 163/17-18,138/18-19)	Cap.	25,00	1
132	3 Nos.Acoustic DG set 25 KVA GD set Model no.x2.5G2(32BHP at 1500 RPM) Rs.5.2 lacs, 1 no.each for SR, SE & NWR WB(208/13-14 ,200/15-16,182/16-17, 164/17-18,139/18-19)	Cap.	15,60	1
133	Provision of LED destination board in 10 coaches Rs.1.5 lacs/coach (229/15-16,183/16-17, 165/17-18,140/18-19)	RRSK	15,00	1
134	Provision of capacitor bank for power factor improvement in 1000 LHB EOG coaches @Rs 24500 /coach(215/16-17, 166/17-18,141/18-19)	Cap.	2,45,00	3099

Item No.	Particulars of Works	Allocation	Sanctioned Cost	Outlay Proposed for 2019-20
A - PROGRAMMED DELIVERIES				
135	Provision of Solar Panel on roof top of 20 BG coaches and 20 NG coaches @ Rs 5 lakhs for BG coach and Rs 3 lakh for NG coaches (216/16-17, 167/17-18,142/18-19)	EBR(IRFC) Cap.	40,00 1,20,00	.. 8000
136	Anti graffiti coating to sustain external aesthetics in coaches running in round trip coaches for 400 coaches @ Rs 25000(217/16-17, 168/17-18,143/18-19)	RRSK	1,00,00	1
137	Provision of GPS based PAS/PIS (public address cum passenger system information) in 50 AC/Non-AC coaches @ 2.34 lakhs per coach (195/17-18,144/18-19)	Cap.	1,17,00	18334
138	Restoration of 6 DHR (Darjeeling Himalayan Railway) vintage coaches to "as it was" heritage status @ 15 lakhs per coach (196/17-18,145/18-19)	Cap.	90,00	1
139	Conversion of 10 ICF EOG coaches (Pantry Cars) into an Exhibition train @ Rs. 20 lacs(179/18-19)	Cap.	2,00,00	1
140	Composite mini pantry equipments for LHB Shatabdi coaches -50 nos.@ Rs.3.7 lakhs(180/18-19)	RRSK	1,85,00	7783
141	Procurement of 60kVA 750/415V 3 phase dry type distribution transformer suitable for LHB type Rajdhani/Shatabdi-100 nos.@Rs.2.25 lakhs(181/18-19)	RRSK	2,25,00	11901
142	Procurement of 200 nos Microprocessor Controller for roof mounted AC package unit for LHB coaches @ Rs. 93,000/- each (182/18-19)	RRSK	1,86,00	8327
143	Development/Construction of 2 NG Rail Buses for DHR at the rate of Rs. 95 lakhs each.	Cap.	1,90,00	1
144	Conversion of 04 NG AC Coaches for DHR at the rate of Rs. 25 lakhs each	Cap.	1,00,00	1
Total-Carriages		Cap. RRSK DF(1) EBR(IRFC)	.. .. .. ..	36875 28024 0 16
Wagons				
145	10 Nos.BTPN ex. trade (80/01-02 WB113/7-8, 135/8-9, 166/9-10, 217/12-13, 177/13-14, 185/14-15 , 201/15-16,184/16-17, 169/17-18,146/18-19)	EBR(IRFC)	1,30,00	1
146	1636 Nos. CTRBs ex. trade (496/5-6 WB114/7-8 ,136/8-9, 218/12-13, 178/13-14, 186/14-15 , 202/15-16,185/16-17, 170/17-18,147/18-19)	EBR(IRFC)	1,90,00	1
147	Conversion of 320 four wheeler tank wagons to fly ash carrier @ Rs.71000 per wagon WB139/7-8 137/8-9, 188/13-14 , 203/15-16,186/16-17, 171/17-18,148/18-19)	RRSK	2,27,20	1
148	Manufacturing of 3 nos.prototype BTOH wagon Rs.25 lacs(WB225/10-11 215/11-12, 219/12-13 179/13-14, 195/14-15 , 204/15-16,187/16-17, 172/17-18,149/18-19)	Cap.	75,00	1
149	Retrofitment of upgraded Door Assembly on 500 BOBRN wagons Rs.45000/-(WB226/10-11 216/11-12, 180/13-14, 188/14-15 , 205/15-16,188/16-17, 173/17-18,150/18-19)	Cap.	2,25,00	1
150	Procurement of 3 no.Monocoque type wagons for testing Rs.35 lacs(WB227/10-11, 221/12-13, 181/13-14, 189/14-15 , 206/15-16,189/16-17, 174/17-18,151/18-19)	Cap.	1,05,00	1
151	Manufacturing of 3 nos. prototype 22.9t axle load BTPN wagon Rs.30 lacs(WB228/10-11, 182/13-14, 190/14-15, 207/15-16,190/16-17, 175/17-18,152/18-19)	Cap.	90,00	1
152	Manufacturing of 3 nos.prototype of Bottom Discharge wagons for Iron oreRs.35 lacs(WB229/10-11, 183/13-14, 191/14-15, 208/15-16,191/16-17, 176/17-18,153/18-19)	Cap.	1,05,00	1
153	Manufacturing of 3 nos.prototype of modified BCNHL wagons Rs.35 lacs(WB230/10-11, 185/13-14, 192/14-15, 209/15-16,192/16-17, 177/17-18,154/18-19)	Cap. EBR(IRFC)	1,05,00 1,00	1 1
154	Manufacture of 7 BFU wagon to carry Bulldozer of ARTs Rs.30 Lac per wagon i.e. Rs.30 lacX7 wagons=Rs.210 lac (244/11-12, 186/13-14, 193/14-15, 210/15-16,193/16-17, 178/17-18,155/18-19)	EBR(IRFC)	2,10,00	1
155	Procurement of 480 Nos. of new design doors for 120 wagons Rs.1.5 lacs WB(260/12-13, 187/13-14, 194/14-15, 211/15-16,194/16-17, 179/17-18,156/18-19)	RRSK	1,80,00	1
Total-Wagons		Cap. RRSK EBR(IRFC)	.. .. ..	6 2 4
Cranes				
156	1 No. 20 T diesel cranes for E Rly (470/93-94, 472/5-6, 523/6-7 WB115/7-8 138/8-9, 189/13-14, 197/14-15, 212/15-16,195/16-17, 180/17-18,157/18-19)	Cap. DRF EBR(IRFC)	1,00,00 50,00 50,00	.. .. 1
Total-Cranes		Cap. DRF EBR(IRFC)	.. .. ..	.. .. 1

Item No.	Particulars of Works	Allocation	Sanctioned Cost	Outlay Proposed for 2019-20
Rail Cars and Multiple Units				
157	3 Set of BG dsl Rail car comprising of IMC and 3 TC.r.s. 45 lacs ex ICF/RCF/Import (407/87-88,139/8-9, 191/13-14, 199/14-15, 213/15-16,196/16-17, 181/17-18,158/18-19)	RRSK	1,35,00	1
158	3 Sets of MG Diesel Rail car Rs. 35 lacs ex ICF/RCF/Import (415/87-88, 528/6-7 WB117/7-8, 229/12-13, 192/13-14, 200/14-15, 214/15-16,197/16-17, 182/17-18,159/18-19)	RRSK	1,05,00	1
159	3 Nos. NG RAIL Buses @Rs.45 lakhs (210/98-99, 142/8-9 WB118/7-8, 232/12-13, 195/13-14, 203/14-15, 215/15-16,198/16-17, 183/17-18,160/18-19)	EBR(IRFC)	1,35,00	1
160	5 Nos. MEMU TC Rs.32 lacs ex RCF (547/3-4, 530/5-6, 580/6-7 194/13-14, 202/14-15, 216/15-16,199/16-17, 184/17-18,161/18-19)	EBR(IRFC)	1,60,00	1
161	LED based desitination board in EMU/MEMU coaches (60 Nos), Rs.51500 per coach(1062/9-10 225/11-12, 193/13-14, 201/14-15, 217/15-16,200/16-17, 185/17-18,162/18-19)	Cap.	30,90	1
162	Unit exchange spares for DMUs WB(245/11-12 233/12-13, 196/13-14, 204/14-15, 218/15-16,201/16-17, 186/17-18,163/18-19)	EBR(IRFC)	2,40,00	9947
163	Provision of air dryers on DEMU 100 Nos. Rs.1.3 lacs WB(246/11-12, 234/12-13, 197/13-14, 205/14-15, 219/15-16,202/16-17, 187/17-18,164/18-19)	EBR(IRFC)	1,30,00	1
	Total-Rail Cars and Multiple Units	Cap.	..	1
		RRSK	..	2
		EBR(IRFC)	..	9950
A - PROGRAMMED DELIVERIES				
Track Machines				
164	10 Nos. Rail-cum Road vehicle @ Rs.20 lakhs (185/00-01, 144/8-9 WB120/7-8, 199/13-14, 207/14-15, 220/15-16,203/16-17, 188/17-18,165/18-19)	Cap.	2,00,00	1
165	13 Nos. Rail-cum-Road vehicles Rs.16 lacs each (554/3-4, 145/8-9 WB121/7-8, 174/9-10, 200/13-14, 208/14-15, 221/15-16,204/16-17, 189/17-18,166/18-19)	EBR(IRFC) Cap.	8,02 1,99,98	2 1
166	BFR mounted Rail crane for handling released rails (Supp.) (23/02-03 , 147/8-9 WB122/7-8, 176/9-10, 202/13-14, 210/14-15, 222/15-16,205/16-17, 190/17-18,167/18-19)	Cap.	1,60,00	1
167	Rail cum road vehicle (13 Nos) Rs.17 lakh (appx) (590/4-5, 143/8-9 WB123/7-8, 198/13-14, 206/14-15, 223/15-16,206/16-17, 191/17-18,168/18-19)	RRSK Cap.	7,01 2,12,99	2 1
168	Rail - cum - road vehicles (13 Nos), Rs.17 lakh each approx. (681/5-6, 632/6-7 WB124/7-8 146/8-9, 201/13-14, 209/14-15, 224/15-16,207/16-17, 192/17-18,169/18-19)	C.Fund Cap. 0	2,01 2,17,99 0	.. 1 5
	Total-Track Machines	Cap. RRSK EBR(IRFC)	.. .. ..	5 2 2
TOTAL-PROGRAMMED DELIVERIES				
		Cap.	..	181047
		RRSK	..	193884
		DF(1)	..	5000
		EBR(IRFC)	..	10007
		Total	..	389938
B - NEW ACQUISITION				
Locomotives				
169	Primary Voltage Transformer - 40 nos. @ Rs.3.1 lakhs	RRSK	12400	1
170	High speed pantograph AM-92 - 100 sets @ Rs.99000	RRSK	9900	1
	Total-Locomotives	RRSK	..	2
Carriages				
171	Provision of Crashworthy AC completely assembled bogies for ICF CBC coaching stock @ Rs. 16 lacs per coach -10 coach sets.	RRSK	16000	1
172	Provision of Crashworthy AC completely assembled bogies for ICF CBC coaching stock @ Rs. 11 lacs per coach - 15 coach sets.	RRSK	16500	1
173	Development of software for centralized RMPU monitoring system in 5 LHB rakes @ Rs. 40 lakhs per rake	Cap.	20000	1
	Total-Carriages	Cap. RRSK	.. ..	1 2
TOTAL-NEW ACQUISITION				
		Cap.	..	1
		RRSK	..	4
TOTAL-Rolling Stock				
		Cap.	..	181048
		RRSK	..	193888
		DF(1)	..	5000
		EBR(IRFC)	..	10007
		TOTAL	..	389943