

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

No.2020/RS(B)/60/1

New Delhi, dated: 12-03-2020.

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: Budget Estimate - Demand No.83 – Ministry Of Railways - Assets, Acquisition,
Construction and Replacement for 2020-21 (Below 2.5 Crs.).**

CORRIGENDUM

Further to this Ministry's letter No.2020/RS(B)/60/1 dated 13.02.2020, statement showing Provisions included in Budget Estimate in respect of Bulk Order items of Rolling Stock costing below Rs. 2.5 crores along with New Acquisition items (item no 174 to 181) for the year 2020-21 are sent here with for information and necessary action.



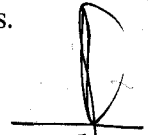
(K.C.N. Menon)
Dy. Director, Rly.Stores(Budget)
Railway Board.

No.2020/RS(B)/60/1

New Delhi, dated: 12-03-2020.

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1. FA&CAOs, 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, 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.

RAILWAY BOARD

Rolling Stock Programme for 2020-21

(Figures in thousands of rupees)

Item No.	Particulars of Works	Allocation	Sanctioned Cost	Outlay Proposed for 2020-21
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	1
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 flsh. 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
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	1
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	1
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	1
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	.. 1
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	10000
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

(Figures in thousands of rupees)

Item No.	Particulars of Works	Allocation	Sanctioned Cost	Outlay Proposed for 2020-21
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
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	1
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	21807
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	1
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	3894
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	5000
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)	RRSK EBR(IRFC)	1,00,00 79,99	10000
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 2020-21
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	1 ..
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	3200 ..
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	3516 ..
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	1300 ..
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	1
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	1 ..
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	1
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 ..

RAILWAY BOARD

Rolling Stock Programme for 2020-21

(Figures in thousands of rupees)

Item No.	Particulars of Works	Allocation	Sanctioned Cost	Outlay Proposed for 2020-21
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	1
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	1
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	1
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	1
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	.. 5579
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	.. 18000
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	.. 7600
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 1
88	TSC for HHP locos - 5Nos @ Rs 40.2 lakhs (193/17-18, 104/18-19)	Cap.	2,01,00	1
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	1
93	Bogie frame with brake rigging for WAP-7 locomotives -10 nos. @ Rs.20.1 lakhs(173/18-19)	RRSK	2,01,00	1
94	Fabricated Bolster for WAP-4/WAP-7 locomotives -50 Nos. at Rs.3.88 lakhs (174/18-19)	RRSK	1,94,00	1
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	1
96	Oil cooling radiator for Transformer and traction converter - 50 nos.@ Rs.5.56 lakhs(176/18-19)	RRSK	1,11,20	11100
97	Primary Voltage Transformer - 20 nos. @ Rs.3.72 lakhs(177/18-19)	RRSK	74,40	1
98	High speed pantograph AM-92 - 50 nos. @ Rs.95000 (177/18-19)	RRSK	47,50	1
99	Primary Voltage Transformer - 40 nos. @ Rs.3.1 lakhs	RRSK	12400	6200
100	High speed pantograph AM-92 - 100 sets @ Rs.99000	RRSK	9900	4950
Total-Locomotives		Cap. DRF DF(1) EBR(IRFC) RRSK	.. .. .. .. ..	14239 0 3 24 99165
Carriages				
101	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
102	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
103	3 BG AC 1st 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
104	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
105	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
106	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
107	1 HOG IIInd 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
108	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 2020-21
A - PROGRAMMED DELIVERIES				
109	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
110	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
111	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
112	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
113	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
114	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
115	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
116	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
117	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
118	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
119	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
120	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
121	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
122	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
123	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
124	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
125	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	1
126	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
127	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
128	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
129	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
130	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	4000
131	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 ..	1000
132	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
133	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
134	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
135	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
136	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	3072

Item No	Particulars of Works	Allocation	Sanctioned Cost	Outlay Proposed for 2020-21
A - PROGRAMMED DELIVERIES				
137	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	.. 80
138	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
139	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	1
140	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
141	Conversion of 10 ICF EOG coaches (Pantry Cars) into an Exhibition train @ Rs. 20 lacs(179/18-19)	Cap.	2,00,00	1
142	Composite mini pantry equipments for LHB Shatabdi coaches -50 nos.@ Rs.3.7 lakhs(180/18-19)	RRSK	1,85,00	10517
143	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	11402
144	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	10730
145	Development/Construction of 2 NG Rail Buses for DHR at the rate of Rs. 95 lakhs each.	Cap.	1,90,00	1
146	Conversion of 04 NG AC Coaches for DHR at the rate of Rs. 25 lakhs each	Cap.	1,00,00	1
147	Provision of Crashworthy AC completely assembled bogies for ICF CBC coaching stock @ Rs. 16 lacs per coach -10 coach sets.	RRSK	16000	16000
148	Provision of Crashworthy AC completely assembled bogies for ICF CBC coaching stock @ Rs. 11 lacs per coach - 15 coach sets.	RRSK	16500	8800
149	Development of software for centralized RMPU monitoring system in 5 LHB rakes @ Rs. 40 lakhs per rake	Cap.	20000	20000
Total-Carriages		Cap. RRSK DF(1) EBR(IRFC)	.. .. .. ..	28175 57462 0 3
Wagons				
150	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
151	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
152	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
153	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
154	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
155	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
156	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
157	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
158	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
159	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
160	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				
161	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

(Figures in thousands of rupees)

Item No	Particulars of Works	Allocation	Sanctioned Cost	Outlay Proposed for 2020-21
Rail Cars and Multiple Units				
162	3 Set of BG dsl Rail car comprising of IMC and 3 TC rs. 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
163	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
164	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
165	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
166	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
167	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	1
168	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)	..	4
A - PROGRAMMED DELIVERIES				
Track Machines				
169	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
170	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
171	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
172	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
173	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 ..
	Total-Track Machines	Cap. RRSK EBR(IRFC)	.. .. ..	5 2 2
TOTAL-PROGRAMMED DELIVERIES				
		Cap.	..	42426
		RRSK	..	156633
		DF(1)	..	3
		EBR(IRFC)	..	38
		Total	..	199100
B - NEW ACQUISITION				
Locomotives				
174	Oil cooling blower units complete with casing & blower on 3ph. Locos - 100 sets @ Rs.1.68 lakhs	Cap.	1,68,00	1
175	Primary Voltage Transformer - 20 nos. @ Rs.2.48 lakhs	RRSK	49,60	1
176	Bogie frame with brake rigging for WAG-9, 3-ph locomotives - 10 nos. @ Rs.18.51 lakhs	RRSK	1,85,10	1
177	Bogie frame with brake rigging for WAP-7 locomotives -10 nos. @ Rs.18.51 lakhs	RRSK	1,85,10	1
178	Fabricated Bolster for WAP-4/WAP-7 locomotives -50 Nos. @ Rs.3.77 lakhs	RRSK	1,88,50	1
	Total-Locomotives	Cap. RRSK	.. ..	1 4
Carriages				
179	Hydrophobic Coating on 372 DEMU coaches @ Rs. 0.31 Lakhs	Cap.	1,15,32	1
180	42KV-10KA Rated Metal Oxide Surge Arrestor for EMU/MEMU Motor Coaches, Qty 122 Nos. @ Rs. 56846/-	RRSK	69,35	1
181	Single Bottle VCB for 96 EMU/MEMU Motor Coaches @ Rs. 2.37 Lakhs,	RRSK	2,27,52	1
	Total-Carriages	Cap. RRSK	.. ..	1 2
TOTAL-NEW ACQUISITION				
		Cap.	..	2
		RRSK	..	6
TOTAL-Rolling Stock				
		Cap.	..	42428
		RRSK	..	156639
		DF(1)	..	3
		EBR(IRFC)	..	38
		TOTAL	..	199108