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

No.2021/RS(B)/60/4 **New Delhi, dated: 29-03-2022.**

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: Final Modification Estimate - Demand No.84 Ministry Of Railways: Assets - Acquisition, Construction and Replacement for 2021-22 (Below 2.5 Crs.)

Statement showing provisions which have been included in the Final Modification Estimate of each Railway in respect of Bulk Order Items of Rolling Stock costing below ₹ 2.5 crs. for the year 2021-22 are sent here with for information and necessary action.

DA: As above

(S.K. Tiwari)
Director, Rly.Stores(Wagon)
Railway Board.

No.2021/RS(B)/60/4 **New Delhi, dated: 29-03-2022.**

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.

(S.K. Tiwari)
Director, Rly.Stores(Wagon)
Railway Board

(Figures in thousands of rupees)

Item No.	Particulars of Works	Allocation	Final Modification Outlay Proposed for 2021-22
	A - PROGRAMMED DELIVERIES		
	Locomotives		
1	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, 2/19-20, 2/20-21)	RRSK EBR(S)	1
2	4 NG Rail Buses (304/97-98, 1& 31/3-4, 71/5-6&69/6-7 23/8-9, 58/13-14, 64/14-15, 5/15-16,5/16-17, 5/17-18 , 4/18-19, 3/19-20, 3/20-21)	Cap. EBR(IRFC) EBR(S)	1
3	Procurement of one oil fired loco boilder 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, 4/19-20, 4/20-21)	RRSK EBR(S)	1
4	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, 5/19-20, 5/20-21)	RRSK EBR(S)	1
5	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, 6/19-20, 6/20-21)	RRSK EBR(S)	1
6	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, 11/19-20, 11/20-21)	RRSK EBR(S)	1
7	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, 12/19-20, 12/20-21)	EBR(IRFC) RRSK	1
8	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, 14/19-20, 14/20-21)	RRSK EBR(S)	1
9	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, 15/19-20, 15/20-21)	RRSK EBR(S)	1
10	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, 16/19-20, 16/20-21)	EBR(IRFC) EBR(S)	1
11	10 Nos. wheelset Rs. 8 lacs per ex CLW(667/6-7 17/8-9, 52/13-14, 58/14-15, 52/15-16,41/16-17, 31/17-18,21/18-19, 17/19-20, 17/20-21)	Cap. EBR(S)	1
12	2 Nos. Traction Convertor 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, 19/19-20, 19/20-21)	RRSK EBR(S)	1
13	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, 20/19-20, 20/20-21)	RRSK EBR(S)	1
14	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, 21/19-20, 21/20-21)	RRSK EBR(S)	1
15	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, 23/19-20, 23/20-21)	RRSK EBR(S)	4470
16	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, 24/19-20, 24/20-21)	RRSK EBR(S)	1
17	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, 25/19-20, 25/20-21)	RRSK EBR(S)	1
18	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, 26/19-20, 26/20-21)	RRSK EBR(S)	1
19	10 Nos. compressor with motor for 3 ph. locos Rs.4 lacs WB153/8-9, 97/14-15, 70/15-16,59/16-17, 43/17-18, 31/18-19, 27/19-20, 27/20-21)	EBR(IRFC) EBR(S)	1
20	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, 28/19-20, 28/20-21)	RRSK EBR(S)	1
21	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, 33/19-20, 33/20-21)	EBR(IRFC) RRSK	1
22	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, 34/19-20, 34/20-21)	EBR(IRFC) EBR(S)	1
23	56 Nos. TM rotor Rs. 4 lac per unit(185/9-10,132/13-14, 140/14-15, 89/15-16,78/16-17, 57/17-18, 42/18-19, 35/19-20, 35/20-21)	EBR(IRFC) EBR(S)	1
24	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, 37/19-20, 37/20-21)	RRSK EBR(S)	1
25	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, 40/19-20, 40/20-21)	RRSK EBR(S)	1
26	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, 41/19-20, 41/20-21)	Cap. EBR(S)	1
27	Procurement of new Boiler for Fairy Queen WB(238/11-12, 10/12-13, 12/13-14, 110/15-16,93/16-17, 72/17-18, 53/18-19, 43/19-20, 43/20-21)	RRSK EBR(S)	1

(Figures in thousands of rupees)

Item No.	Particulars of Works	Allocation	Final Modification Outlay Proposed for 2021-22
	A - PROGRAMMED DELIVERIES		
28	Rehabiltation 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, 44/19-20, 44/20-21)	EBR(IRFC) RRSK EBR(S)	1
29	50 Bolster for WAP4/WAP1 electric locos Rs.4 lacsWB (240/11-12, 34/12-13, 37/14-15, 112/15-16,95/16-17, 74/17-18, 55/18-19, 45/19-20, 45/20-21)	RRSK EBR(S)	1
30	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, 46/19-20, 46/20-21)	EBR(IRFC) Cap. EBR(S)	1
31	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, 47/19-20, 47/20-21)	RRSK EBR(IRFC) EBR(S)	1
32	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, 48/19-20, 48/20-21)	DRF RRSK EBR(S)	.. 1
33	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, 49/19-20, 49/20-21)	Cap. EBR(IRFC) EBR(S)	1
34	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, 50/19-20, 50/20-21)	Cap. EBR(IRFC) EBR(S)	1
35	04 nos. bogie frame for WAP7/WAG9 3 ph. Locos Rs.27 lac each (245/12-13, 38/13-14, 41/14-15, 121/15-16,103/16-17, 82/17-18, 62/18-19, 51/19-20, 51/20-21)	Cap. EBR(IRFC) EBR(S)	1
36	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, 52/19-20, 52/20-21)	Cap. EBR(IRFC) EBR(S)	1
37	24 Nos. wheel sets for WAP7/WAP9 3 ph.locos Rs.9.0 lac per unit.WB (40/13-14, 43/14-15, 123/15-16,105/16-17, 84/17-18, 64/18-19, 53/19-20, 53/20-21)	Cap. EBR(IRFC) EBR(S)	1061
38	6 Nos. wheel sets for WAP5 three ph.locos Rs.9.0 lac each WB(41/13-14, 44/14-15, 124/15-16,106/16-17, 85/17-18, 65/18-19, 54/19-20, 54/20-21)	Cap. EBR(IRFC) EBR(S)	1
39	6 Nos. valve sets ZV+MV Rs.12.5 lacs per unit WB(45/13-14, 48/14-15, 128/15-16,110/16-17, 89/17-18, 69/18-19, 58/19-20, 58/20-21)	Cap. EBR(IRFC) EBR(S)	1
40	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, 59/19-20, 59/20-21)	Cap. EBR(IRFC) EBR(S)	1
41	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, 60/19-20, 60/20-21)	Cap. EBR(IRFC) EBR(S)	1
42	"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, 61/19-20, 61/20-21)	Cap. EBR(IRFC) EBR(S)	1323
43	"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, 62/19-20, 62/20-21)	DF(1) EBR(S)	1
44	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, 63/19-20, 63/20-21)	Cap. EBR(IRFC) EBR(S)	1
45	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, 64/19-20, 64/20-21)	Cap. EBR(IRFC) EBR(S)	1
46	8 Nos. Traction motors 6 FRA 6068 for WAG9/WAP7 3 ph.locos Rs.28.7 lacs eachWB(83/14-15, 139/15-16,120/16-17, 99/17-18, 78/18-19, 65/19-20, 65/20-21)	Cap. EBR(IRFC) EBR(S)	1

(Figures in thousands of rupees)

Item No.	Particulars of Works	Allocation	Final Modification Outlay Proposed for 2021-22
	A - PROGRAMMED DELIVERIES		
47	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, 67/19-20, 67/20-21)	DF(1) EBR(S)	1
48	50 Nos. 30 KW Oil cooling blower unit complete with casing and blower Rs.3.6 lacs(146/15-16,127/16-17, 106/17-18, 82/18-19, 69/19-20, 69/20-21)	EBR(IRFC) EBR(S)	1
49	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, 70/19-20, 70/20-21)	RRSK EBR(S)	1
50	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, 71/19-20, 71/20-21)	EBR(IRFC) RRSK	1 1
51	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, 72/19-20, 72/20-21)	Cap. RRSK	 1
52	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, 73/19-20, 73/20-21)	Cap. EBR(S)	100
53	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, 74/19-20, 74/20-21)	EBR(IRFC) EBR(S)	1
54	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, 78/19-20, 78/20-21)	EBR(IRFC) EBR(S)	1
55	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, 79/19-20, 79/20-21)	Cap. EBR(S)	1
56	Bogie with brake rigging for WAG7 locos-20 nos. Rs.10 lacs (227/15-16,146/16-17, 121/17-18, 95/18-19, 80/19-20, 80/20-21)	Cap. EBR(S)	1
57	Single bottle vacuum circuit breakers-50 nos. Rs.2.9 lacs(228/15-16,147/16-17, 122/17-18, 96/18-19, 81/19-20, 81/20-21)	Cap. RRSK	76 1
58	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, 82/19-20, 82/20-21)	RRSK EBR(S)	1
59	Fabricated bolsters for WAP4/WAP1 locos-50 Nos. '@ Rs.4.5 lakhs (210/16-17, 125/17-18, 99/18-19, 83/19-20, 83/20-21)	Cap. EBR(S)	1
60	Oil cooling blower unit with casing (30 KW)-50 Nos. @ Rs.3.5 lakhs(211/16-17, 126/17-18, 100/18-19, 84/19-20, 84/20-21)	DRF RRSK EBR(S)	 4858
61	Bogie frame with Brake rigging for WAG9-15 Nos. @ Rs.15.25 lakhs(212/16-17, 127/17-18, 101/18-19, 85/19-20, 85/20-21)	DRF RRSK EBR(S)	 1
62	Bogie frame with mod. Brake rigging for WAP-7 locos -5 Nos. @ Rs.19 lakhs(213/16-17, 128/17-18, 102/18-19, 86/19-20, 86/20-21)	DRF RRSK EBR(S)	 1
63	Works costing below rupees 5 lakh each(166/15-16, 130/17-18, 105/18-19, 89/19-20, 89/20-21)	DF(1) EBR(S)	1
64	Microprocessor based electronic speed cum energy monitoring system for 50 conventional locomotives @ Rs.2.43 lakhs(170/18-19, 90/19-20, 90/20-21)	RRSK EBR(S)	249
65	Vigillance Control Unit (VCD) complete for 100 Conventional Locomotives @ Rs.1.27 lakhs(171/18-19, 91/19-20, 91/20-21)	RRSK EBR(S)	1
66	Bogie frame with brake rigging for WAG-9 3-ph locomotives - 10 nos. @ Rs.19.72 lakhs(172/18-19, 92/19-20, 92/20-21)	RRSK EBR(S)	1
67	Bogie frame with brake rigging for WAP-7 locomotives -10 nos. @ Rs.20.1 lakhs(173/18-19, 93/19-20, 93/20-21)	RRSK EBR(S)	1
68	Fabricated Bolster for WAP-4/WAP-7 locomotives -50 Nos. at Rs.3.88 lakhs (174/18-19, 94/19-20, 94/20-21)	RRSK EBR(S)	1
69	Oil Cooling Blower (OCB) unit complete with casing and blower for 3-ph electric locomotives - 25 Nos.@ Rs.2.53 lakhs(175/18-19, 95/19-20, 95/20-21)	RRSK EBR(S)	1050
70	Oil cooling radiator for Transformer and traction converter - 50 nos.@ Rs.5.56 lakhs(176/18-19, 96/19-20, 96/20-21)	RRSK EBR(S)	3584

(Figures in thousands of rupees)

Item No.	Particulars of Works	Allocation	Final Modification Outlay Proposed for 2021-22
	A - PROGRAMMED DELIVERIES		
71	Primary Voltage Transformer - 20 nos. @ Rs.3.72 lakhs(97/19-20, 97/20-21)	RRSK EBR(S)	1
72	High speed pantograph AM-92 - 50 nos. @ Rs.95000 (98/19-20, 98/20-21)	RRSK EBR(S)	1
73	Primary Voltage Transformer - 40 nos. @ Rs.3.1 lakhs (169/19-20, 99/20-21)	RRSK EBR(S)	2445
74	High speed pantograph AM-92 - 100 sets @ Rs.99000 (170/19-20, 100/20-21)	RRSK EBR(S)	534
75	Oil cooling blower units complete with casing & blower on 3ph. Locos - 100 sets @ Rs.1.68 lakhs (174/20-21)	Cap. EBR(S)	11430
76	Primary Voltage Transformer - 20 nos. @ Rs.2.48 lakhs (175/20-21)	RRSK EBR(S)	2445
77	Bogie frame with brake rigging for WAG-9, 3-ph locomotives - 10 nos. @ Rs.18.51 lakhs(176/20-21)	RRSK EBR(S)	18558
78	Bogie frame with brake rigging for WAP-7 locomotives -10 nos. @ Rs.18.51 lakhs(177/20-21)	RRSK EBR(S)	20335
79	Fabricated Bolster for WAP-4/WAP-7 locomotives -50 Nos. @ Rs.3.77 lakhs (178/20-21)	RRSK EBR(S)	19707
80	Provision for nominal value of assets to IRFC for transfer of rolling stock after completion of lease period.(170a/20-21)	Cap. EBR(S)	1
	Total-Locomotives	Cap. EBR(S) DF(1) EBR(IRFC) RRSK	14009 0 3 9 78270
	Carriages		
81	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, 99/19-20, 101/20-21)	EBR(IRFC) EBR(S)	1
82	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, 100/19-20, 102/20-21)	RRSK EBR(S)	1
83	3 BG AC Ist class chair car with air brk. and high speed Rs. 70 lacs ex. RCF(432/93-94 , 123/8-9,157/13-14, 165/14-15 ,169/15-16, 151/16-17, 133/17-18,108/18-19, 101/19-20, 103/20-21)	EBR(IRFC) Cap. EBR(S)	1
84	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, 102/19-20, 104/20-21)	EBR(IRFC) Cap. EBR(S)	1
85	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, 103/19-20, 105/20-21)	EBR(IRFC) Cap. EBR(S)	1
86	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, 104/19-20, 106/20-21)	Cap. EBR(IRFC) EBR(S)	1
87	1 HOG IInd AC CC with air brake (189/98-99,127/8-9 WB104/7-8, 161/13-14, 169/14-15,173/15-16,155/16-17, 137/17-18, 112/18-19, 105/19-20, 107/20-21)	EBR(IRFC) Cap. EBR(S)	1
88	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, 106/19-20, 108/20-21)	EBR(IRFC) EBR(S)	1
89	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, 107/19-20, 109/20-21)	RRSK EBR(S)	1
90	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, 108/19-20, 110/20-21)	RRSK EBR(S)	1
91	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, 109/19-20, 111/20-21)	Cap. EBR(IRFC) EBR(S)	1
92	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, 110/19-20, 112/20-21)	RRSK EBR(S)	1
93	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, 111/19-20, 113/20-21)	EBR(IRFC) Cap. EBR(S)	1
94	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, 112/19-20, 114/20-21)	Cap. EBR(IRFC) EBR(S)	1

(Figures in thousands of rupees)

Item No.	Particulars of Works	Allocation	Final Modification Outlay Proposed for 2021-22
	A - PROGRAMMED DELIVERIES		
95	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, 113/19-20, 115/20-21)	RRSK EBR(S)	1
96	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, 114/19-20, 116/20-21)	RRSK EBR(S)	1
97	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, 115/19-20, 117/20-21)	Cap. EBR(IRFC) EBR(S)	1
98	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, 116/19-20, 118/20-21)	Cap. EBR(IRFC) EBR(S)	1
99	Provision of microprocessor controlled LED based destination Boards on 500 coaches Rs.40 000/- (171/13-14, 179/14-15 ,185/15-16, 167/16-17, 149/17-18,124/18-19, 117/19-20, 119/20-21)	RRSK EBR(S)	1
100	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, 118/19-20, 120/20-21)	RRSK EBR(S)	1
101	Manufacture of self propelled coach for Rail Museum Rs.225 lacs 175/8-9, 162/9-10,173/13-14, 181/14-15 , 187/15-16,169/16-17, 151/17-18,126/18-19, 119/19-20, 121/20-21)	RRSK EBR(S)	1
102	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, 120/19-20, 122/20-21)	RRSK EBR(S)	1
103	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, 122/19-20, 124/20-21)	EBR(IRFC) Cap. EBR(S)	1
104	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, 123/19-20, 125/20-21)	Cap. EBR(IRFC) EBR(S)	1
105	Integrated axle box temperature measurement system with real time transmission of temperature data alongwith AMOC at 2 stations Rs.20 lacs(225/14-15 ,175/16-17, 157/17-18,132/18-19, 125/19-20, 127/20-21)	EBR(IRFC) Cap. EBR(S)	1
106	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, 127/19-20, 129/20-21)	EBR(IRFC) Cap. EBR(S)	1
107	Air craft pantry equipments for pantry cars of 10 Rajdhani /Shatabdi Express Rs.6.75 lacs(228/14-15,178/16-17, 160/17-18, 135/18-19, 128/19-20, 130/20-21)	EBR(IRFC) Cap. EBR(S)	1
108	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, 129/19-20, 131/20-21)	EBR(IRFC) Cap. EBR(S)	1
109	Provision of solar panels on coaches to harnes solar energy-50 nos. Rs. 1.5 lacs(221/14-15 ,198/15-16,180/16-17, 162/17-18, 137/18-19, 130/19-20, 132/20-21)	Cap. EBR(IRFC) EBR(S)	1
110	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, 131/19-20, 133/20-21)	Cap. EBR(S)	1
111	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, 132/19-20, 134/20-21)	Cap. EBR(S)	1
112	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, 133/19-20, 135/20-21)	RRSK EBR(S)	1
113	Provision of capacitor bank for power factor improvement in 1000 LHB EOG coaches @Rs 24500 /coach(141/18-19, 134/19-20, 136/20-21)	Cap. EBR(S)	831
114	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, 135/19-20, 137/20-21)	EBR(IRFC) Cap. EBR(S)	1
115	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, 137/19-20, 139/20-21)	Cap. EBR(S)	21465
116	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, 138/19-20, 140/20-21)	Cap. EBR(S)	3400
117	Conversion of 10 ICF EOG coaches (Pantry Cars) into an Exhibition train @ Rs. 20 lacs(179/18-19, 139/19-20, 141/20-21)	Cap. EBR(S)	1
118	Composite mini pantry equipments for LHB Shatabdi coaches -50 nos.@ Rs.3.7 lakhs(180/18-19, 140/19-20, 142/20-21)	RRSK EBR(S)	4959
119	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, 141/19-20, 143/20-21)	RRSK EBR(S)	6767
120	Procurement of 200 nos Microprocessor Controller for roof mounted AC package unit for LHB coaches @ Rs. 93,000/- each (142/19-20, 144/20-21)	RRSK EBR(S)	5203
121	Development/Construction of 2 NG Rail Buses for DHR at the rate of Rs. 95 lakhs each. (143/19-20, 145/20-21)	Cap. EBR(S)	1

(Figures in thousands of rupees)

Item No.	Particulars of Works	Allocation	Final Modification Outlay Proposed for 2021-22
	A - PROGRAMMED DELIVERIES		
122	Conversion of 04 NG AC Coaches for DHR at the rate of Rs. 25 lakhs each (144/19-20, 146/20-21)	Cap. EBR(S)	4270
123	Provision of Crashworthy AC completely assembled bogies for ICF CBC coaching stock @ Rs. 16 lacs per coach -10 coach sets.(171/19-20, 147/20-21)	RRSK EBR(S)	15989
124	Provision of Crashworthy AC completely assembled bogies for ICF CBC coaching stock @ Rs. 11 lacs per coach - 15 coach sets.(172/19-20, 148/20-21)	RRSK EBR(S)	5501
125	Development of software for centralized RMPU monitoring system in 5 LHB rakes @ Rs. 40 lakhs per rake (173/19-20, 149/20-21)	Cap. EBR(S)	1
126	Hydrophobic Coating on 372 DEMU coaches @ Rs. 0.31 Lakhs(179/20-21)	Cap. EBR(S)	1
127	42KV-10KA Rated Metal Oxide Surge Arrestor for EMU/MEMU Motor Coaches, Qty 122 Nos. @ Rs. 56846/- (180/20-21)	RRSK EBR(S)	1
128	Single Bottle VCB for 96 EMU/MEMU Motor Coaches @ Rs. 2.37 Lakhs (181/20-21)	RRSK EBR(S)	1
	Total-Carriages	Cap. RRSK DF(1) EBR(IRFC)	29989 38430 0 2
	Wagons		
129	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, 145/19-20, 150/20-21)	EBR(IRFC) EBR(S)	1
130	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, 146/19-20, 151/20-21)	EBR(IRFC) EBR(S)	1
131	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, 147/19-20, 152/20-21)	RRSK EBR(S)	1
132	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, 148/19-20, 153/20-21)	Cap. EBR(S)	1
133	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, 149/19-20, 154/20-21)	Cap. EBR(S)	1
134	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, 150/19-20, 155/20-21)	Cap. EBR(S)	1
135	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, 151/19-20, 156/20-21)	Cap. EBR(S)	1
136	Manufacturing of 3 nos.prototype of Bottom Discharge wagons for Iron oreRs.35 lacs(183/13-14, 191/14-15, 208/15-16,191/16-17, 176/17-18,153/18-19, 152/19-20, 157/20-21)	Cap. EBR(S)	1
137	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, 153/19-20, 158/20-21)	Cap. EBR(IRFC) EBR(S)	1
138	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, 154/19-20, 159/20-21)	EBR(IRFC) EBR(S)	1
139	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, 155/19-20, 160/20-21)	RRSK EBR(S)	1
	Total-Wagons	Cap. RRSK EBR(IRFC) EBR(S)	6 2 3 0
	Cranes		
140	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, 156/19-20, 161/20-21)	Cap. DRF EBR(IRFC) EBR(S)	1
	Total-Cranes	Cap. DRF EBR(IRFC) EBR(S)	1
	Rail Cars and Multiple Units		
141	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, 157/19-20, 162/20-21)	RRSK EBR(S)	1
142	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, 158/19-20, 163/20-21)	RRSK EBR(S)	1
143	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, 159/19-20, 164/20-21)	EBR(IRFC) EBR(S)	1
144	5 Nos. MEMU TC Rs.32 lacs ex RCF (547/3-4 ,194/13-14, 202/14-15, 216/15-16,199/16-17, 184/17-18,161/18-19, 160/19-20, 165/20-21)	EBR(IRFC) EBR(S)	1

(Figures in thousands of rupees)

Item No.	Particulars of Works	Allocation	Final Modification Outlay Proposed for 2021-22
	A - PROGRAMMED DELIVERIES		
145	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, 161/19-20, 166/20-21)	Cap. EBR(S)	1
146	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, 162/19-20, 167/20-21)	EBR(IRFC) EBR(S)	1
147	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, 163/19-20, 168/20-21)	EBR(IRFC) EBR(S)	1
	Total-Rail Cars and Multiple Units	Cap. RRSK EBR(IRFC) EBR(S)	1 2 4
	Track Machines		
148	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, 164/19-20, 169/20-21)	Cap. EBR(S)	1
149	13 Nos. Rail-cum-Road vehicles Rs.16 lacs each (554/3-4, 174/9-10, 200/13-14,208/14-15, 221/15-16, 204/16-17, 189/17-18,166/18-19, 165/19-20, 170/20-21)	EBR(IRFC) Cap. EBR(S)	1
150	BFR mounted Rail crane for handling released rails (Supp.) (23/02-03 , 147/8-9 ,176/9-10,202/13-14, 210/14-15, 222/15-16,205/16-17, 190/17-18,167/18-19, 166/19-20, 171/20-21)	Cap. EBR(S)	1
151	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, 167/19-20, 172/20-21)	RRSK Cap. EBR(S)	1
152	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, 168/19-20, 173/20-21)	C.Fund Cap. EBR(S)	1
	Total-Track Machines	Cap. RRSK EBR(IRFC) EBR(S)	5 .. .. ..
	TOTAL-PROGRAMMED DELIVERIES	**Cap.** **RRSK** **DF(1)** **EBR(IRFC)** **EBR(S)** **Total**	**44011** **116704** **3** **18** **..** **160736**
	B - NEW ACQUISITION		
	Locomotives		
153	Replacement of KUC 153 by KUB 921 cards in GTO BUR Bus Station of 3 Ø loco, Qty.- 50 Loco sets @ Rs. 3.60 Lakhs per Loco set.	Cap.	716
154	Microprocessor based electronic speed cum energy monitoring system (ESMON for conventional locomotives), Qty.- 50 Sets @ Rs. 2.67 lakhs per set.	RRSK	5000
155	Bogie frame with brake rigging for WAG-9 3-ph locomotives , Qty.- 10 Loco sets @ Rs. 18.51 Lakhs per Loco set.	RRSK	20620
156	Provision of Wheel sets with axle box for WAP-4 conventional locomotives - 20 Nos.@ Rs. 6.8 Lakhs	RRSK	4222
157	Modification of Machine Room for facilitating the provision of Hotel Load Converter in Non -HOG locos - 40 Nos.@ Rs. 4.5 Lakhs	RRSK	1
	Total-Locomotives	Cap. RRSK EBR(S)	716 29843 ..
	Carriages		
158	Upgradation of driver CABs of MEMU motor coaches - 10 Nos. @ Rs. 4.94 Lakhs	Cap.	1
159	Rotating spares for MRVC Phase – II Bombardier rakes	Cap.	1
160	Provision of Water mist based fire extinguishers in 1,000 coaches @ Rs. 18,000 per coach	RRSK	1
161	Provision of solar Thermo-reflective exterior coating for cooling of roof tops in 100 coaches @ Rs 50,000 per coach.	Cap.	1
	Total-Carriages	Cap. RRSK EBR(S)	3 1 ..
	TOTAL-NEW ACQUISITION	Cap. RRSK EBR(S)	719 29844 ..
	TOTAL-Rolling Stock	**Cap.** **RRSK** **DF(1)** **EBR(IRFC)** **EBR(S)** **TOTAL**	**44730** **146548** **3** **18** **..** **191299**