

INDIGENIZATION OF SPARES FOR DIESEL BREAK DOWN RAILWAY CRANES

Following items having Approximate Value of Rs. 4,21,60,000/- are in process for purchase by Central Railway for all Indian Railways. These 185 spares are required to maintain the 140 T Diesel Hydraulic Breakdown Cranes Make M/s. Cowans Sheldon UK (Old/New Design).

As per Central Railway records indigenous Manufacturers/sources are not available for these items. This list is published on this site so as to develop the indigenous Manufacturers/sources for these items to comply with Hon'ble Prime Minister of India's "**Atmanirbhar Bharat Programme**". Interested Vendors may please contact to Dy. Chief Materials Manager (E&S), at Principal Chief Materials Manager's Office, First Floor, New Administrative Building, Dadabhai Nauroji Road, Mumbai CSMT 400001 on working days from 10.00 Hrs to 17.00 Hrs.

Any communication necessary may be made on email – smmes@cr.railnet.gov.in

Contact Officer – Sr. Materials Manager/E&S - Mobile No.8828110777

Landline No. P 60 Section of PCMM Office Central Railway – 022-67455479

Sr No	Cat No.	RR Part No.	Item	Qty required	Approximate Rate
1	N10001	BE4603001-001	Parabolic spring	3	£ 1803.41
2	N40004	BE4619005-002G	AE Throttle Cable	1	£ 493.96
3	N55001	BE4604001-031	Organic Brake Shoe Standard UIC (60mm)	24	£ 541.85
4	N60004	BE4619005-002/ BE4619005-002L	Emergency Pump	1	£ 3646.81
5	N60007	BE4619007-(A190)	Semi Rotary Hand Pumps	1	£ 1003.57
6	N60019	BE4601009-V021 to V024	Outtrigger Swing Cylinders	4	£ 2667.95
7	N60073	BE4610010-K011	Pressure Gauge (0 - 600 Bar)	1	£ 92.65
8	N60074	BE4610010-K012	Pressure Gauge (0 - 100 Bar)	1	£ 92.65
9	N60075	BE4610010-K013	Pressure Gauge (0 - 60 Bar)	1	£ 92.65
10	N62002	BE4619005-007D	Safety Valve for 6PVG120 Directional Control Valve	2	£ 247.03
11	N62053	BE4619007-D001/6- D021-D026 BE4619007-D001/6- D031-D036	Solenoid Valve for Pilot Blocks	8	£ 364.37
12	N62054	BE4619007-D001/6- D071-D076	Coil H24 V DC	8	£ 121.1
13	N62067	BE4619007-D401/4- D421-D424	Counter balance Valve	4	£ 898.57
14	N62071	BE4619007-D501/3- D531-D533	Counterbalance Valve	3	£ 1707.61

15	N62073	BE4619007-D501/4-D541-D544	Pilot operated Non-Return Valve for Check Block	2	£ 966.52
16	N62077	BE4619001-D601/4-D611-D614SP1	Adjustment jack block	2	£ 1052.98
17	N62078	BE4619001-D601/4-D621-D624	Pilot Operated Non Return Valve	2	£ 512.59
18	N62079	BE4619001-D601/4-D631-D634 BE4619001-D701-D731-D732 BE4619001-D702-D733-D734	Non Return Valve / Check Valve for Outrigger Jack Blocks	2	£ 543.46
19	N65033	BE4619005-006L BE4619004-002J BE4619007-M050B	Seal Kit for 1PVG32 Directional Control Valve	1	£ 52.49
20	N65045	BE4619007-D001A	Seal Kits for Pilot Blocks	6	£ 232.04
21	N65046	BE4619007-D007A	Seal Kits for Slew Brake Control Block	2	£ 177.86
22	N65047	BE4619007-D100A	Seal Kits for Pressure Regulator	2	£ 213.53
23	N65048	BE4619007-D200A	Seal Kits for Travel Brake Control Block	2	£ 1044.95
24	N65049	BE4619007-D300A	Seal Kits for Accumulator Block	2	£ 113.95
25	N65050	BE4619007-D401A-D404A	Seal Kits for Ballast Check Blocks	4	£ 197.32
26	N65051	BE4619007-D405A	Seal Kits for Back Rod Jack Check Block	2	£ 201.95
27	N65052	BE4619007-D501A-D504A	Seal Kits for Motor Check Blocks	4	£ 771.35
28	N65053	BE4619001-D601A-D604A	Seal Kits for Outrigger Jack Check Blocks	4	£ 296.89
29	N65054	BE4619001-D701A-D702A	Seal Kits for Bogie Cylinder Check Blocks	4	£ 312.65
30	N65055	BE4619005-011A	Seal Kits for Proportional Junction Block	2	£ 1192.15

31	N65056	BE4619007-D900A	Seal Kits for Radiator Fan Check Block	2	£ 361.27
32	N65069	BE4619007-D1001A-D1002A	Seal Kits for Load Sensing Block	1	£ 793.43
33	N65086	BE4601009-008B	Seal Kit for Lock Valve for Outtrigger Jack Cylinder	3	£ 138.95
34	N67013	BE4619007 - A130A & A135A	Element for Main Circuit Filter	8	£ 126.6
35	N70002	BE20021A215-19	3P - Contactor 25A	1	£ 224.76
36	N70003	BE20021A215-22	3P - Contactor 50A	1	£ 505.28
37	N70004	BE20021B513-02	Circuit Breaker 3 A	1	£ 56.92
38	N70005	BE20021B508-03 BE20021B513-03	Circuit Breaker 6 A	2	£ 56.92
39	N70006	BE20021B513-12	Circuit Breaker 10 A	1	£ 62.94
40	N70007	BE20021B513-08	Circuit Breaker 16 A	2	£ 62.94
41	N70009	BE20021A215-06	Auxiliary Relay	10	£ 101.44
42	N70010	BE20021A215-01 BE20021A215-01 BE20021D111-03 BE20021A215-14 BE20021D111-11	Auxiliary Relay "Off" Delay Timer	2	£ 137.56
43	N70011	BE20021A215-03	Auxiliary Relay "On" Delay Timer LA3 DR2	1	£ 137.56
44	N70012	BE4619005-002AB	A/E Belt Breakage Shut Down Relay	2	£ 132.48
45	N70014	BE20021D111-01	Relay Card	4	£ 369.47
46	N70015	BE20021A216-02 SP01	Engine Key Switch	1	£ 88.38
47	N70017	BE20021B515-01	Seletor Switch / Turn button 2 Positions	1	£ 34.63
48	N70018	BE20021A217-04 (SP01)	Battery Isolator Switch	1	£ 445.84
49	N70020	BE20021A218-01 BE20021A219-01	Flush Push Button Black	2	£ 24.05
50	N70023	BE20021A509-01 BE20021A510-01 BE20021A511-01 BE20021A512-01	Mushroom Emergency Push button	1	£ 61

51	N70037	BE20021H609-06 BE20021H609-07 BE20021H609-08 BE20021H609-09 BE20021H609-10 BE20021H609-24	Clogging Filter Switch	2	£ 379.7
52	N70041	BE20021A217-14	Cooling Water Temp. Switch (High)	1	£ 167.54
53	N70042	BE20021A217-13	Lube Oil Temp. Switch (High)	1	£ 167.54
54	N70043	BE20021H609-11	Hyd.Oil Temp. Switch (High)	1	£ 167.54
55	N70051	BE20021G114-02	Position (Proximity) Switch for Outriggers leg 1 to 4 (SLI)	6	£ 211.38
56	N70055	BE20021H812-02	Counterweight Heavy Duty Sensor (SLI)	3	£ 629.89
57	N70056	BE20021H812-01 BE20021H812-02	Counterweight Standard Duty Sensor (SLI)	6	£ 225.53
58	N70057	BE20021H812-03	Counterweight Locked Sensor (SLI)	2	£ 271.58
59	N70064	BE20021D110-01	Cable Slack and Reflector	1	£ 572.68
60	N70065	BE20021B517-16	Horn (High)	1	£ 81.23
61	N70066	BE20021B517-17	Horn (Low)	1	£ 81.23
62	N70074	BE20021E207-03 BE20021E207-04	Solenoid Valve Aux. Hoisting UP / DOWN	2	£ 780.2
63	N70075	BE20021E107-03 BE20021E107-04	Solenoid Valve Main Hoisting UP / DOWN	2	£ 780.2
64	N70082	BE20021G114-16 BE20021G114-17	Electrovalve Travelling	2	£ 780.2
65	N70083	BE20021G114-14	Travelling Clutch Electrovalve Engage / Disengage	2	£891.58
66	N70084	BE20021A217-08	Fuel Level Gauge	1	£ 136.82
67	N70086	BE20021A216-04	Analogue Indication (Water Temp. Gauge)	1	£ 136.82
68	N70087	BE20021A216-06	Analogue Indication (Oil Pressure Gauge)	1	£ 136.82

69	N70088	BE20021A216-07	Analogue Indication (Oil Temp. Gauge)	1	£ 136.82
70	N70089	BE20021A217-21	Digital Indication Eng. Hour Meter (Gauge)	1	£ 143.75
71	N70090	BE20021A216-03	Analogue Indication Ammeter 200 Amps.	1	£ 143.75
72	N70091	BE20021A217-05	Engine Oil Pressure Sensor	1	£ 193.14
73	N70092	BE20021A217-06	Engine Oil Temp. Sensor	1	£ 126.72
74	N70093	BE20021A217-16	Engine Tachometer Sensor (Magnetic Pick Up)	1	£ 540.35
75	N70095	BE4610020-042	Flood Light Intensive Lense (For Jib) 24V, 150W	1	£ 551.81
76	N70096	BE20021-006 BE4605014-014	Flood Light Extensive Lense (Front Flood Light) 24V, 150W	1	£ 551.81
77	N70097	BE20021C113-12	Green Light Head (Indication Holder with Green Cap & Lamp) Complete Assembly	2	£ 49.02
78	N70098	BE20021C112-08	Red Light (Complete Assly. for Indication)	1	£ 49.02
79	N70099	BE20021C112-24	Red Light Head (Complete Assly. for Indication)	3	£ 10.69
80	N70100	BE20021C112-23	Body for Light and Test	3	£ 43
81	N70101	BE20021B517-01	Outrigger Lighting Leg-1 to Leg-4 24v, 60W	2	£ 99.56
82	N70102	BE20021B517-05	Superstructure Lighting	2	£ 99.56
83	N70103	BE20021B517-09	Counterweight Lighting	1	£ 99.56
84	N75001	BE20021A215-04	Delay Contact Block for 3 P Contactor 25A	1	£ 142.62
85	N75002	BE20021D111-12	Delay Contact Block for Off Timer Relay	2	£ 142.62
86	N75003	BE20021A215-04	Delay Contact Block for On Timer Relay	1	£ 142.62
87	N75004	BE20021A215-02	Diode for 3 P Contactor 25A	1	£ 26.41
88	N75005	BE20021A215-23	Diode for 3 P Contactor 50A	1	£ 27.73
89	N75006	BE20021A215-09	Diode for Aux. Relay 24 V DC	11	£ 3.2
90	N75022	BE20021C112-10	Lamp BA 9s 24V, Body for light & Test	7	£ 47.39
91	N75023	BE20021C112-10A	Lamp for Red Light BA 9s 24V	2	£ 8.15
92	N75033	BE20021B516-04	Wiper Arm for Screen Washer	1	£ 149.29

93	N75034	BE20021B516-04A	Wiper Blade for Screen Washer	1	£ 85.15
94	N85001	BE20021-SLI9	Battery Saved RAM (for CPU Board) Lithium Type (Timekeeper RAM M 48T02-70 PCI)	1	£ 127.96
95	N85005	BE20021-SLI13	Fuse 5x20, 2.5A temporised / 250V (for CPU Block / Relay Block)	2	£ 3.94
96	N85006	BE20021-SLI14	Fuse 5x20, 630mA / 250V (for display unit)	1	£ 2.51
97	N85011	BE20021-SLI19	Potentiometer 1T/5K Ohms	4	£ 442.34
98	N85012	BE20021-SLI20	Inclinometer \pm 10 deg.	4	£ 895.33
99	N85015	BE20021-SLI23	Inclinometer \pm 45 deg.	2	£ 895.33
100	N85017	BE20021-SLI25	Amplifier Board	2	£ 775.56
101	N85020	BE20021-SLI28	Water Proofness joint	1	£ 7.9
102	N85021	BE20021-SLI29	Light body	1	£ 67.14
103	N85022	BE20021-SLI30	Lamp 24V	1	£ 8.75
104	N85023	BE20021-SLI31	Red "badge" for light	1	£ 12.92
105	N60023	BE4601009-V031 to V034	Counterweight Ballast Jacks	2	£5079.59
106	N62072	BE4619007-D504-D534	Counterbalance Valve	2	£1707.61
107	350014		Jib Bridle Pulley Bearing	16	£ 793.19
108	350018		"A" Frame Pulley Bearings	9	£ 3140.68
109	350019		M/Hoist Pulley & Equalising Pulley Circlips	52	£ 18.36
110	350021		A/Hoist Pulley Circlips	16	£ 18.62
111	350022		Jib Bridle Pulley (Circlips)	32	£ 137.98
112	350023		'A' Frame Pulley Bearing Circlip/Snap Ring	36	£ 128.17
113	360024		R/Bogie Yoke Bush = 360045	1	£ 1936.91
114	360026		R/Bogie Yoke Washer = 360037	3	£ 720.95

115	360027		R/Bogie Lateral Damper	3	£ 1794.88
116	370007		Superframe Bush Split Bearing	2	£ 8240.42
117	520002		Semi Rotary Hand Pump = 310031	2	£ 286.21
118	210071		Rotary Union (Type RE-RS)	1	£ 783.87
119	310064		Relieving Bogie Coupling Pin Cylinder (155 dia)	4	£ 9377.44
120	310067		Travel Clutch Cylinder	2	£ 1712.91
121	310073		Relieving Bogie Wishbone Jack Cylinder	2	£ 2003.23
122	310011		Axial Piston Motor	2	Rs.360974.98
123	310002		Variable Displacement axial Piston Pump	2	Rs. 1210885.945
124	310004		Variable Displacement Axial Piston Pump	1	Rs.934781.49
125	260060		Lock Valve For Draw Beam Jack Cylinder	12	£ 364.58
126	260016		Solenoid Oprt. Direction Ctrl. Valve Seal Kit	9	Rs.10933.86
127	310023	MK2SG1.2	Flow Control Valve	3	Rs. 51075.02
128	310028		Shuttle Valve	6	£ 90.72
129	310034		Low Boost Pressure Switch = 420013	6	Rs.12241.32
130	310055		Flow Divider	4	Rs.46625.82
131	310027		Pressure Gauge	1	Rs.34437.12
132	310075		Relieving Bogie Hand Pump Shut Off Valve	2	£ 181.98
133	290002		SAE 100 RI Type ATE 042 6	90	£ 10.16
134	290007		SAE 100 RI Type ATE 1366	110	£ 10.19
135	290008		SAE 100 RZ Type ATE 1146 BE	85	£ 11.61
136	280001		HA 06 A 06 NU	36	£ 7.85
137	280004		HA 06 A 06 NU-90	27	£ 13.06
138	280005		HA 06 A 06 NU-90S	10	£ 16.7
139	280008		HA 08 A 08 MU	10	£ 11.38
140	280010		HA 08 A 08 NU	60	£ 9.2

141	280011		HA 08 A 08 NU-45	26	£ 16.32
142	280012		HA 08 A 08 NU-90	88	£ 16.06
143	280039		HA 12 A 12 PH90 with flange kit	1	£ 66.78
144	300103		1" BSP Rotary Connection Glenthrope Type 3	8	£ 504.71
145	300108		5 O/D Nut	48	£ 1.35
146	300109		5 O/D Sleeve	48	£ 0.6
147	440003		10 Amps Circuit Breaker	2	£ 54.88
148	440004		6 Amps Circuit Breaker	4	£ 54.88
149	420005		3 Way Selector Switch	1	£ 23.52
150	420006		2 Way Selector Switch	6	£ 59.96
151	410001		General Relay Type ETH	2	£ 45.69
152	470001		Fuel Gauge	1	£ 114.68
153	N30011	BE4602002-A	Repair Kit for Travel Gearbox	1	£13203.83
154	N40010	BE4619005-002Q	AE Jockey/Alternator Pulley 'V' Belt	2	£164.56
155	N60020	BE4601009-V011 to V014	Outrigger Extension Cylinders	1	£2976.73
156	N60022	BE4601009-V041 to V042	Counterweight Swing Cylinders	1	£2285.03
157	N60024	BE4601009-V050	Counterweight Locking Ballast Cylinder	1	£2149.10
158	N60053	BE4612010-(M010)	Joystick (Main Hoist / Aux. Hoist)	1	£1333.97
159	N60054	BE4619005-(M020)	Joystick (Derrick / Slew)	1	£981.95
160	N60055	BE4619005-(M030 &040)	Joystick (Travel / Hoist)	1	£633.01
161	N60059	BE4619005-003	Hydraulic Oil Cooler	1	£10004.8
162	N62056	BE4619007-D027	Solenoid Valve for Pilot Block	1	£265.56
163	N62058	BE4619007-D100-D120	Solenoid Valve for Pressure Regulator	1	£951.08
164	N67007	BE4619007-(A130 & A135)	Main Circuit Filter	2	£892.39
165	N70008	BE4619005-002AA	A/E Fuel Control Solenoid Circuit Breaker	1	£186.03
166	N70013	BE4619005-002AC	A/E Protection Switch Relay	1	£181.69
167	N70046	BE20021E107-02	Selector Switch (High / Low) for Main Hoist (Limit Switch)	1	£1717.56

168	N70047	BE20021E207-02	Selector Switch (High / Low) for Aux. Hoist (Limit Switch)	1	£1642.96
169	N70048	BE20021H406-01	Selector Switch (High / Low) for Hauling (Limit Switch)	1	£1717.56
170	N70049	BE20021D110-02	Selector Switch for Derrick (Limit Switch)	1	£1917.04
171	N70068	BE4619005-002AK	A/E Fuel Control Solenoid	1	£459.01
172	N70069	BE20021H609-01	A' Frame Jack Solenoid Valve	1	£511.42
173	N70070	BE4619005-002AL	A/E Starter Solenoid	1	£104.86
174	N70071	BE20021H609-13	Counter Weight Variable Solenoid Valve with Ampilfier (Minip)	1	£1530.17
175	N70073	BE20021H609-14	Locking Counter Wt. Solenoid Valve	1	£511.43
176	N70076	BE20021H609-15	Swing Jack Solenoid Valve	1	£511.42
177	N75038	BE20021-001AD	Variable Solenoid with Amplifier for Counterweight Joystick Controller	1	£ 1078.5
178	N80011	BE4610003-004	Load pin 100 kN with cable 6m	1	£ 8719.4
179	N80012	BE4610009-004	Load pin 200 kN with cable 6m	1	£ 10371
180	310046		Draw Beam Control Valve	1	Rs.123510.97
181	310047		Draw Beam Control Valve	1	Rs.155183.17
182	310041	510 5250 09	Emergency Stowage pump	1	Rs.34147.61
183	310039	VSD-1-30-05-16-0353-03.10	Cross Line Relief Valve	1	Rs.28051.47
184	310048	VSD-DE-05.53.01.00.03.01	Pilot Operated Lock Valve	1	Rs. 12194.43
185	310052	VSD-SE-05.52.01.00.03.01	Pilot Operated Double Lock Valve	1	Rs.17850.74

PCMM/CR
