

Vendors are invited to register online for any item of their interest specially for items having lesser sources, list of which is as below:

For Apply, please see web portal http://www.rdso.indianrailways.gov.in/view_section.jsp?lang=0&id=0,5,270,5448

Summary of List of items having less than 3 sources

SN	Directorate	No. of cases
1	Carriage	12
2	Electrical	02
3	M&C	15
4	MP	54
5	PS&EMU	01
6.	QA/Mech	08
7	QA/Elect	15
8.	QA/S&T	33
9	QA/Civil	01
10	Telecom	07
11	TMM	16
12	TI	65
13	Signal	06
14	Wagon	04
15	Track-II	03
Total		242

SN	Item Description	Directorate	No. of present Sources
1.	Advanced Auxiliary Warning System(AAWS)	Signal	2
2.	Double Walled Corrugated HDPE Duct for Railway Signaling as per RDSO/SPN/204/2011 Ver.1.1 with amend.1	Signal	2
3.	AFTC (146/2001)	Signal	1
4.	SSBPAC (DIGITAL) For Double Line and Single Line	Signal	2
5.	Fog Pilot Assistance System or Safety (Fog Pass)	Signal	2
6.	Universal Fail safe Block Interface	Signal	2
7.	Electronic Toe Load Measuring Device	TMM	2
8.	Hacksaw Blade for cutting Rails	TMM	2
9.	Chambering Machine (Battery operated)	TMM	1
10.	Continuous Rail Thermometer	TMM	2
11.	Train Speed Recorder (Wired)	TMM	1
12.	Cordless Train Speed Logger	TMM	1
13.	Off Track Tampers (Power Pack version)	TMM	2
14.	Off Track Tampers (Engine Mounted version)	TMM	2
15.	Abrasive Rail Cutter, Rail Drilling Machine, Chamfering Machine & Rail Profile Weld Grinding Machine operated by Hydraulic Common Power Pack	TMM	1
16.	Route Data Preparation System (RDPS)	TMM	2
17.	P.C. Based Oscillation Monitoring System (PC-OMS)	TMM	1
18.	Battery Operated Rail Drilling Machine	TMM	2
19.	Track Horse MHP3 (self propelled mobile Hydraulic Power Pack) (Now Read as Self Propelled Hydraulic Common Power Pack Cum Transporting Cart)	TMM	1
20.	Impact Wrench	TMM	1
21.	Abrasive Rail Cutter, Rail Drilling Machine, concrete sleeper breaker and concrete sleeper core drilling operated by Hydraulic Common Power Pack	TMM	1
22.	ERC Inserter & Extractor	TMM	2
23.	Spring Steel Round for Hot Coiled Cylindrical Spring for use in	QA(Mech)	0

	suspension of Indian Railway Coaches having FIAT Design Bogies (Spec no. RDSO/2017/CG-01)		
24.	Narrow Jaw, Wide Jaw and Modified Adapter iv. Adapter class K (6 ½"X9"), AB/RB-41-2016, WD-15020-S-3 Alt. 3	QA(Mech)	01
25.	Locking Plate 2. locking plate class k, AB/RB-41-2016, WD-06085 S-2, Alt-Nil	QA(Mech)	0
26.	Axle end steel high tensile cap screws to be used in end holes of BG freight axles 2. Axle end steel high tensile cap screws-1 1/8"ø 7 UNC-2A, 2 ½" thread length, AB/RB-41-2016, WD-15020-S-02, Alt-Nil	QA(Mech)	0
27.	Brake Slack Adjuster and Spares for Freight Stock (Spec no. 07-ABR-1992 with amendment 5 of Sep 2016)	QA(Mech)	2
28.	Three axle cast steel trimount and flexi-coil bogie frames & bolsters for BG Locomotives	QA(Mech)	2
29.	Screw couplings (Including Spares) for Freight, Coaching & Locomotive application i. Screw couplings for Freight stock, R-9-66 Corrigendum No. 3 of Dec. 1988, SK-69503 Alt.11	QA(Mech)	2
30.	Brake Slack Adjuster Type IRSA-750 for Freight Stock & Spares (Spec no. 19-ABR-07 with last amendment of Sep 16.)	QA(Mech)	1
31.	Cable Transit System with EPDM Rubber Modules	QAE	2
32.	Battery for Air-conditioning-450 Ah (MG AC Coaches)	QAE	2
33.	Armature bearing grease for Traction Motor type Fuji TM GGR 125ZY	QAE	2
34.	Armature bearing grease for Traction Motor type TDK 5620 A / BHEL3701 AZ and 133 AY / 3601 AZ	QAE	2
35.	Axle Suspension Bearing Oil for Traction motor type TDK 5620 A /BHEL 3701 AZ	QAE	2
36.	Axle Suspension Bearing Oil for Traction motor type 4601 AZ/BX/BW	QAE	2
37.	Axle Suspension Bearing Oil for Traction motor type Fuji TM GGR 125ZY	QAE	1
38.	Gear Case Oil for Traction motor type 133 AY / 3601 AZ	QAE	2
39.	Gear Case Oil for Traction motor type Fuji TM GGR 125ZY	QAE	1
40.	Post Insulator Cap & Pin Stack for 132kV Isolator	QAE	1

41	11 kV Post Insulator	QAE	1
42.	11kV, 70 kN, (Ball &Socket type) Disc Insulator – 280 mm dia, CD-430mm(min.)	QAE	2
43.	11kV, 120kN (Ball & Socket) Disc Insulator with 280mm dia CD 430mm(min.)	QAE	2
44.	Gearless Hand Operated Pulling and Lifting Machine(0.8t, 1.6t, 3.2t)	QAE	2
45.	54 MVA, 220/2x27 kV, 50 Hz, ONAN, Scott connected Traction Power Transformer.	QAE	2
46.	Reconditioning of Cupped Welded Joint	Track Design -II	1
47.	Reconditioning of Wheel Burns/Scab	Track Design -II	1
48.	In-situ reconditioning of CMS crossings	Track Design -II	1('Transla-matic Robotic Welder' technology)
49.	Neale's Type Ball Token Single Line (for Ball Token) Block Instrument.	QA (S&T)	1
50.	Electric Lamp-Filament Switching Unit for Colour Light Signals	QA (S&T)	1
51.	Light Unit-Lamp Holder Unit, CLS Lamp Holder Unit (for triple pole lamp	QA (S&T)	1
52.	Lenses(Glass)-Clear, Green, Red, Yellow	QA (S&T)	1
53.	Roundels-Green, Yellow & Red	QA (S&T)	1
54.	Signal Colour Light-Lenses(Polycarbonate) Clear, Red, Green	QA (S&T)	2
55.	Circuit Controller(Modified Design)Lever and Arm, DW Lever Circuit Controller(Rotary Type)	QA (S&T)	2
56.	Electric Lever Lock & Circuit Controller 200 mm stroke & (D.W.)40 mm stroke	QA (S&T)	1
57.	Electric Signal Machine (Type UQ & LQ)	QA (S&T)	2
58.	Motor for Electric Signal Machine	QA (S&T)	2
59.	DC IRS Post Type Electric Signal Reverser	QA (S&T)	2

60.	S.M.'s Control Frame	QA (S&T)	1
61.	Top & Bottom Rollers,Nylon-6	QA (S&T)	2
62.	Dual bank Charger with Twin Bank Low maintenance Lead Acid Batteries for use on Block line Circuit	QA (S&T)	2
63.	Charger for Valve Regulated (Sealed) Lead Acid Stationary Battery charger for Railway S & T Installation	QA (S&T)	1
64.	Current Transformer for Lamp Proving (H,I & L Types for the use in controlled signal Territories	QA (S&T)	1
65.	Indication Supply Transformer (Step Down) for Railway S&T Installation	QA (S&T)	1
66.	Transformer-Rectifier set for Railway S&T Installations	QA (S&T)	2
67.	Relays- ECRS(Metal to- Metal Contact)-(On-OFF, Route & Shunt Aspect)	QA (S&T)	2
68.	Relays- DC Polarized 3-Position Metal to Metal	QA (S&T)	2
69.	Relays- Metal to Metal 110V AC LED ECR for LED Signal Lamp	QA (S&T)	2
70.	Relays-Point Contactor Unit	QA (S&T)	2
71.	Axle Counter Equipments	QA (S&T)	2
72.	Track feed Resistance (Porcelain Base, Phenol Moulding base) 7.5 Ohm, 15 Ohm, 30 Ohm.	QA (S&T)	2
73.	Desk Type 2 Wire, 12 way DTMF Telephone	QA (S&T)	2
74.	Emergency Control Room Equipment	QA (S&T)	1
75.	2-wire Way Station Control Telephone	QA (S&T)	2
76.	Auto Dialling System From Emergency Socket	QA (S&T)	1
77.	Six Pin Emergency Plug And Socket	QA (S&T)	2
78.	Light Weight Unbreakable Engineering Thermoplastic Material Insulator For Overhead Telegraph And Telephone Lines	QA (S&T)	1
79.	Fibre Distribution Management System	QA (S&T)	2
80.	Thermo Shrink jointing Kit for Jointing Underground Quad cable(0.9 mm Conductor Dia)	QA (S&T)	2

81.	Thermo Shrink jointing Kit for Jointing Underground PIJF Cable	QA (S&T)	2
82.	3-Phase Locomotive Traction Motor Bearing for TM Type 6FRA6068	Electrical Dte.	2
83.	3-Phase Locomotive Traction Motor Bearing for TM Type 6FXA7059	Electrical Dte.	2
84.	MS-25 side bearer for container wagon	Wagon	1
85.	Automatic Twist Locks(ATL) devices	Wagon	1(Single Source) M/s Sanrok Enterprises, Faridabad
86.	Draft Gear for Slackless draw Bar Assembly	Wagon	1(Single Source) M/s Amsted Rail, USA.
87	Non Asbestos 'K' type High friction Composition Brake Block for Freight stock,840 mm	Wagon	Nil
88	Manual Metal Arc Welding Electrode, Class B3, Type of Coating: Heavy (Spec. No. IRS: M-28/17)	M&C Welding	01
89	Manual Metal Arc Welding Electrode, Class B4, Type of Coating: Heavy (Spec. No. IRS: M-28/17)	M&C Welding	01
90	Manual Metal Arc Welding Electrode, Class C2, Type of Coating: Heavy (Spec. No. IRS: M-28/17)	M&C Welding	02
91	Manual Metal Arc Welding Electrode, Class F, Type of Coating: Medium (Spec. No. IRS: M-28/17)	M&C Welding	01
92	Manual Metal Arc Welding Electrode, Class G, Type of Coating: Medium (Spec. No. IRS: M-28/17)	M&C Welding	Nil
93	Manual Metal Arc Welding Electrode, Class H4A, Type of Coating: Heavy (Spec. No. IRS: M-28/17)	M&C Welding	01
94	Manual Metal Arc Welding Electrode, Class K Type of Coating: Medium (Spec. No. IRS: M-28/17)	M&C Welding	02
95	Manual Metal Arc Welding Electrode, Class L Type of Coating: Medium (Spec. No. IRS: M-28/17)	M&C Welding	01
96	Manual Metal Arc Welding Electrode, 01Class M6, Type of Coating: Heavy (Spec. No. IRS: M-28/17)	M&C Welding	02
97	Manual Metal Arc Welding Electrode, Class M7, Type of Coating: Heavy (Spec. No. IRS: M-28/17)	M&C Welding	01
98	Solid MIG/MAG Welding Filler Wire, Class IV (Spec. No. IRS: M-46/13 with Amendment no.1)	M&C Welding	01

99	Solid MIG/MAG Welding Filler Wire, Class VIII(Spec. No. IRS: M-46/13 with Amendment no.1)	M&C Welding	01
100	Flux cored MIG/MAG Welding Filler Wire with shielded gas, Class V (Spec.No. IRS: M-46/13 with Amendment no.1)	M&C Welding	01
101	Flux cored MIG/MAG Welding Filler Wire with shielded gas, Class VIII(Spec.No. IRS: M-46/13 with Amendment no.1)	M&C Welding	01
102	Portable Ultrasonic Flaw Detector with A-Scan Storage	M&C/NDT	02
103	ERRU for 25kW Alternator	PS & EMU	02
104	Glue	Quality Assurance (Civil)	1
105	Stain proof fire retardant upholstery cloth to RDSO Spec. no. C-K 610 (Rev. 01) Amend -4 & Corrigendum-1	Carriage	Nil
106	High capacity Thermoplastic Polyester Elastomer Upper and Lower washer Assembly used in the Primary suspension of BG EMU/DMU Coaches to RDSO Spec. No. RDSO /2010/CG-04 with Amend.-1, Drawing No.CG-10036, alt-01 & CG-10037, Alt-Nil.	Carriage	Nil
107	Supply, installation, commissioning & Maintenance of Automatic Fire/Smoke Detection with Alarm System for IR AC coaches to RDSO Spec. no. RDSO /2008/CG-04. (Rev.4) (Amend.1)	Carriage	Nil
108	Supply, installation, Commissioning & Maintenance of "Automatic fire detection cum manual suppression system" for Pantry car & Generator cum Brake Van of Indian Railway Coaches (ICF and LHB design) (Tentative for trial) to Spec. no. RDSO/2013/CG-06. (Rev.1)	Carriage	Nil
109	Silicon foam as a cushioning material for Indian Railway Passenger coaches (Tentative) to RDSO Specification no. RDSO/2013/CG-13 (Amend.-2)	Carriage	02
110	Standardized Brake Disc for LHB Coaches to Spec. no. RDSO/2017/CG-02. (Rev.0)	Carriage	02
111	Double acting bogie mounted brake cylinder for ICF design BG mainline coaches to RDSO Spec. no. RDSO/2014/CG-11 (Rev-01)	Carriage	Nil
112	High Tensile Tight Lock Centre Buffer Coupler with AAR 'H' Type Head for fitment of BG Passenger coaches of Indian Railways to RDSO Spec. No. C-K009 (Rev.02) with Amend.-02	Carriage	02
113	Air Spring (120 KN Capacity) for Main line/Rajdhani LHB Coaches for	Carriage	02

	FIAT type bogies to RDSO Spec. No. C-K508 (Rev.1) Amend.-4		
114	Air Spring failure Indication cum Brake Application (FIBA) device to RDSO Spec. no. RDSO/2015/CG-05 Amend.-1	Carriage	01
115	Derailment detection device for coaching stock of Indian Railways to RDSO Spec. No. RDSO / 2016 / CG-04 (Rev. 0)	Carriage	Nil
116	Panel mounted air brake system for Hybrid/ Conventional coaches (Tentative) to RDSO specification no. RDSO/2009/CG-16 (Rev. 0) & Drawing no. CG-K9069 (Alt. Latest).	Carriage	01
117	2Mbps Digital Model (Line Driver) RDSO/SPN/TC/80/2013 Rev.1.0	Telecom	1
118	Managed Media <u>Convertor</u> (Ethernet to Optical) RDSO/SPN/TC/103/2013	Telecom	1
119	Voice Data Logger/ Monitor for Control Circuits RDSO/SPN/TC/38/2002 Revision 1.1	Telecom	1
120	Control Communication Equipment for OFC using 2-Wire Telephone (CCEO) RDSO/SPN/TC/66/2007	Telecom	2
121	Emergency Socket Box for FRP material RDSO/SPN/TC/44/2002, Version 2.0	Telecom	2
122	Level Crossing Gate Control & Monitoring System RDSO/SPN/TC/49/2012, Version 0.0	Telecom	1
123	VHF Based Secured Station Communication Equipment (SSCE)RDSO/SPN/TC/73/2008, Rev.0	Telecom	1
124	21.6/30.24 MVA, 50 Hz, Single Phase, ONAN/ONAF, Traction Power Transformer 66/27 kV	TI	02
125	21.6 MVA, 50 Hz, Single Phase, ONAN, Traction Power Transformer 100/27 kV	TI	01
126	21.6 MVA, 50 Hz, Single Phase, ONAN, Traction Power Transformer 22/27 kV	TI	01
127	30 / 42 MVA, 50 Hz, Single Phase, ONAN/ONAF Traction Power Transformer (220/27 KV)	TI	01
128	30 / 42 MVA, 50 Hz, Single Phase, ONAN/ONAF, Traction Power Transformer (110/27 KV)	TI	01
129	30 / 42 MVA, 50 Hz, Single Phase, ONAN/ONAF, Traction Power Transformer (66/27 KV)	TI	-
130	Converter Oil	TI	01
131	220 kV SF6 Circuit Breaker (Double Pole & Triple Pole)	TI	02

132	132kV SF6 Circuit Breaker (Double Pole & Triple Pole)	TI	02
133	Continuous Cast Copper (CCC) Wire Rod(Manufactured by South Wire Process) for manufacturing 150 mm ² joint less Hard Drawn Grooved Copper Contact Wire	TI	02
134	Continuous Cast Copper (CCC) Wire Rod(Manufactured by South Wire Process) for manufacturing 193 mm ² joint less Hard Drawn Grooved Copper Contact Wire	TI	02
135	Insulated Cadmium Copper Catenary wire 65 mm ² (19/2.10 mm)	TI	01
136	Un-insulated Cadmium Copper Catenary Wire 125 mm ² (37/2.10 mm)	TI	02
137	Control & Relay Panel, Incorporating Numerical Type Protective Relays, for 25 kV AC Traction.	TI	02
138	Control and Relay Panel, incorporating Numerical Type Protective Relays for Mumbai Suburban area	TI	02
139	Over Current & Restricted Earth Fault Relay	TI	02
140	Differential Protection Relay	TI	02
141	Feeder Protection Module, Comprising DPR,OCR,WPC,PTFF & Auto Reclosure	TI	02
142	Delta-I Relay	TI	02
143	Panto Flash Over Protection Relay	TI	02
144	Master Trip Relay	TI	02
145	Inter Trip Relay	TI	02
146	Voltage Operated Aux. Relay	TI	02
147	Numerical AC & DC Monitoring Relay	TI	02
148	Integrated Feeder Protection Relay	TI	02
149	Vectorial Delta-I Relay	TI	02
150	Panto Flashover Protection Relay	TI	02
151	Over Current & Restricted Earth Fault Transformer Protection Relay	TI	02
152	Transformer Differential Protection Relay	TI	02
153	Low Impedance Bus-Bar Differential Protection Relay	TI	02
154	High Impedance Bus-Bar Differential Protection Relay	TI	02
155	Definite Time Over Current Relay	TI	02
156	Reverse Power Protection Relay	TI	02
157	Synchronous Check Relay	TI	02
158	DC Monitoring / Supervision Relay	TI	02

159	Integrated Feeder Protection Relay	TI	02
160	Over Current & Restricted Earth Fault Transformer Protection Relay	TI	02
161	Series Reactor for Capacitor Bank Low loss	TI	02
162	Control and Relay Panel for Capacitor Bank	TI	02
163	Under / Over Voltage Protection Relays	TI	02
164	Over Current & Unbalance Current Relay	TI	02
165	245 kV OIP Condenser Bushing for Main Transformer	TI	01
166	Composite Stay Arm Insulator (Very heavy polluted) (1600mm CD)	TI	02
167	Composite Bracket Insulator (Very heavy polluted) (1600mm CD)	TI	02
168	Composite 9 Tonne Insulator (Very Heavy Polluted) (1600mm CD)	TI	02
169	Light Weight Section Insulators Assembly	TI	01
170	25 kV Composite section Insulator (1050 mm CD)	TI	01
171	Short Neutral Section Assembly (Phase Break)	TI	02
172	Tensile Load Testing Machine for Porcelain & Composite Insulators	TI	02
173	Galvanised Steel Standard Wire for anchoring of Traction Mast for theft prone areas	TI	02
174	Spheriodal Graphite Cast Iron Fitting	TI	02
175	21.6 MVA, 132/2x27 kV 50 Hz, ONAN, Single Phase Traction Power Transformer	TI	01
176	25 kV Double Pole Vacuum Circuit Breaker	TI	01
177	25 kV Double Pole Vacuum Interrupters	TI	01
178	Control & relay panel incorporating numerical type protective relays for 2x25kV ac traction Sub-station.	TI	02
179	Control and relay panel incorporating numerical type protective relays for 2x25 KV Shunt Capacitor Bank	TI	02
180	Numerical 3OC+REF Protection relay for HV side	TI	02
181	Numerical Transformer Differential Protection relay	TI	02
182	Numerical Over Current and REF relay for LV side	TI	02
183	Numerical Phase failure relay	TI	02
184	Numerical Under/Over Voltage protection relay	TI	02
185	Numerical OC + Current unbalance protection relay	TI	02
186	Series Capacitor	TI	01
187	Shunt Capacitor	TI	01

188	52 kV 800A OIP Condenser Bushing for 8 MVA Autotransformer	TI	01
189	Main Bearing, Thrust Specification No. 31PD 5703 (Steel Backed) Anti – Friction Metal Lined (Thrust Bearing (Gen. End Upper) for ALCo locomotives	MP	2
190	Filter Dyna Cell, for EMD Locomotives	MP	2
191	Filter element, Brake Panel, for EMD Locomotives	MP	2
192	Filter element, Fibre Glass, ECC, for EMD Locomotives	MP	1
193	Low Mean Pore Size Primary & Secondary Fuel Oil Filter Elements for Diesel Electric Locomotives-	MP	2
	(A) Low Mean Pore Size Primary & Secondary Fuel Oil Filter Elements for Diesel Electric Locomotives (RDSO Drg. No.: SKDP-3901, 3902)		
	(B) Low Mean Pore Size Primary & Secondary Fuel Oil Filter Elements for Diesel Electric Locomotives (RDSO Drg. No.: SKDP-3908, 3909)		
194	Long Life Lubricating Oil Filter Element for Locomotive Diesel Engines	MP	2
195	Disposable car body filters with built-in louvers and casing	MP	2
	(A) Disposable car body filters with built-in louvers and casing for WDG3A, WDM3B, WDM3D and WDM3A locomotives		
	(B) Disposable car body filters with built-in louvers and casing for WDM2 locomotives		
196	Soak Back Lube Oil Filter for EMD Locomotives	MP	2
197	Spin-on Fuel Filter for EMD Locomotives	MP	2
198	Spin-on Turbocharger Lube Oil Filter for EMD Locomotives	MP	2
199	Filter element, Suction Strainer, for EMD Locomotives	MP	2
200	Filter Paper Media for Long Life Lubricating Oil Filter Element for Locomotive Diesel Engines	MP	2
201	Filter Paper Media for Low Mean Pore Size Primary & Secondary Fuel Oil Filter Elements for Diesel Electric Locomotives	MP	0
202	Filter, compressor Oil spin on, for EMD locomotives	MP	2
203	Filter elements, Pre-cleaner for WDG5 locomotives (EDPS – 436)	MP	0
	1. Inertial Filter RH for WDG5 locomotives		
	2. Inertial Filter LH for WDG5 locomotives		
204	Fuel filter element (5 micron) for WDG5 Locomotives	MP	0
205	Filter, Self cleaning Automatic, Lube oil, for ALCO Locomotives	MP	1
206	Three Phase AC-AC Transmission System & Associated Control Equipment for 1600 HP Diesel Electric Multiple Unit	MP	2

207	Traction Alternator for EMD (WDG5) Locomotives	MP	0
208	Bearing RLR CE for EMD (WDG5) Locomotives	MP	0
209	Bearing RLR PE for EMD (WDG5) Locomotives	MP	0
210	Bearings, Traction alternator for EMD Locomotives	MP	2
211	3-Phase squirrel cage induction motor for 5500 HP AC-AC WDG5 locomotive,	MP	1
212	E-Locker/Dustbin Motor Blower Assly for EMD (WDG5) Locomotives	MP	0
213	Traction Motor Bellows- (Leather), for Alco Locomotives	MP	2
214	Traction motor Bellows (moulded rubber type without fabric) Used on broad gauge diesel-electric Locomotives	MP	2
215	Film Polyimide (Kapton / Apical film or equivalent)	MP	2
216	Motor Magnet Frame (machined), DC Traction for ALCo	MP	2
217	Paper Nomex, Untreated of all grades	MP	1
218	Nickel Cadmium Starter batteries for Diesel Locomotives (6V, 150AH Ni-Cd Storage Unit)	MP	2
219	Microprocessor based Control system with Automatic Flasher Light Control, Multi-Setting Vigilance Control & Event Recorder for Diesel Electric locomotives (ALCO)	MP	2
220	Microcontroller based Event Recorder used on EMD Locomotive	MP	2
221	Governor MCBG–Micro Controller Based Governor for ALCo/DLW/DMW (A) Micro controller based governor (MCBG) for Application on ALCo/DLW/DMW 16 cylinder 251 series D- E Locomotives (B) Micro controller based governor (MCBG) for Application on Microprocessor Controlled ALCo/DLW 6 cylinder 251 series WDS6 D- E Locomotives- Spec. no. MP.0.1700.04 (Rev. 00) Oct.08	MP	2
222	Fuel Level Sensor for Diesel Electric Locomotives	MP	0
223	Distributed Power Control System for HHP Locomotives	MP	2
224	Distributed Power Control System for Alco Locomotives	MP	1
225	Compact (Tri-plate) type IRAB-1 pure air brake and 28 LAV-1 dual brake panel for diesel Locomotives	MP	1
226	Air Compressor (Enhanced reliability and M-24 schedule), ALCO Locomotives	MP	2
227	Water cooled Air Compressor for HHP Diesel Locomotives	MP	2
228	Spares Upgraded for Compressor / Expressor, ALCO Locomotives.	MP	2

229	Air flow Indicator for microprocessor controlled brake on ALCo locomotives	MP	1
230	Journal Bearing Assembly for WDG5 locomotives	MP	0
231	Nose Link Bushing for WDG5 locomotives	MP	0
232	Car Body Link Bushing for WDG5 locomotives	MP	0
233	Traction rod Bushing for WDG5 locomotives	MP	0
234	Primary Vertical Damper for WDG5 locomotives	MP	0
235	Secondary Lateral damper for WDG5 locomotives	MP	0
236	Centre Pivot Liner for Locomotives	MP	2
237	Coil Spring for WDG5 locomotives	MP	0
238	Secondary Spring for WDG5 locomotives	MP	0
239	Kit for TBU for WDG5 locomotives	MP	0
240	Thrust Pad for WDG5 locomotives	MP	0
241	Lateral Thrust Pad for WDG5 locomotives	MP	0
242	Secondary lateral stop for WDG5 locomotives	MP	0