

**List of 129 nos. Unique items (main items + sub items) having less than Five sources as on date 02.11.2022.**

S. No.	Department	Sub Directorate	Item Id	Item Description	Sub Item Id	Sub Item Description	Vendor Count
1	Electrical	ELECTRIC LOCO	3100104	Axle Box Bearing for WAG9/WAP7 Locomotives	--	--	4
2	Electrical	ELECTRIC LOCO	3100117	3 Phase Locomotive Traction Motor Bearing of TM type 6FXA7059	--	--	4
3	Electrical	ELECTRIC LOCO	3100129	Computer / Microprocessor controlled air brake for 3 phase electric locomotive	--	--	4
4	Electrical	ELECTRIC LOCO	3100131	EP Assisted brake system for 3- phase Electric locomotive application compatible with EP Assisted brake system on coaches	--	--	4
5	Electrical	ELECTRIC LOCO	3100283	Bearing for traction motor TAO-659 Bearing Type: NU-328 and NH-318	--	--	4
6	Electrical	TI	3100377	Control and Relay Panel Including Numerical type protection relays for Scott-connected/ V-Connected Single-Phase Traction Transformers, OHE protection, 55 kV AT Protection & Shunt Capacitor Bank Protection for 2x25 kV Traction Sub-station, Sectioning and Paralleling Post, Sub-Sectioning & Paralleling Post and Auto Transformer Post	--	--	4
7	Electrical	TI	3100445	Light Weight Section Insulators Assembly	--	--	4
8	Electrical	PS&EMU	3100461	Diesel Alternator Set 500 kVA, 750 V	--	--	4
9	Electrical	TI	3100034	25 kV Double Pole Vacuum Circuit Breaker	--	--	3

10	Electrical	ELECTRIC LOCO	3100091	Axle Box Bearing for WAP5 Locomotives	--	--	3
11	Electrical	ELECTRIC LOCO	3100141	Oil Free Main Compressor for 3-Phase Electric & WAP-4 Locomotives (1750 LPM Capacity)	--	--	3
12	Electrical	TI	3100142	25 kV Double Pole Vacuum Interrupters	--	--	3
13	Electrical	ELECTRIC LOCO	3100226	Development of Functionality Equilent PCB Cards of GTO Based Converters and MICAS VCU in Three Phase Electric Locomotives	--	--	3
14	Electrical	ELECTRIC LOCO	3100231	Metallised Carbon Strips for pantograph with Auto dropping device	--	--	3
15	Electrical	TI	3100274	Supervisory Control and Data Acquisition System for 25kV and 2x25 kV Single Phase 50Hz ac Traction Power Supply	--	--	3
16	Electrical	TI	3100380	Control and Relay Panel for 25 kV AC TSS including Numerical Type Protection Relays for Traction Transformer, OHE Protection, 25 kV Shunt Capacitor Bank and Transmission line for 25 kV AC TSS on Indian Railways.	--	--	3
17	Electrical	TI	3100393	Microprocessor based Numerical Integrated Feeder Protection Module comprising DPR, OCR, WPC, PTFE & Auto Reclosure Relay for 25 kV AC Single phase 50 Hz Traction Sub-station.	--	--	3
18	Electrical	TI	3100395	Delta-I type high resistive fault selective	--	--	3

				relay for 25 kV AC single phase 50Hz traction system.			
19	Electrical	TI	3100399	Panto Flash Over Protection Relay for 25 kV AC single phase 50Hz traction system.	--	--	3
20	Electrical	TI	3100429	Control and Relay Panel including Numerical Type Protection Relays for Mumbai Sub-urban area for 50Hz AC Traction Power Supply System including Parallel Operation on 25 kV Side.	--	--	3
21	Electrical	TI	3100508	Spring Auto tensioning device (Spring ATD)	--	--	3
22	Electrical	TI	3100514	Modular Cantilever System	--	--	3
23	Electrical	ELECTRIC LOCO	3100127	Brake System for 3-phase locomotives	--	--	2
24	Electrical	TI	3100208	25 kV Composite section Insulator (1050 mm CD)	--	--	2
25	Electrical	TI	3100086	Higher diameter (22.5 mm to 26 mm dia.) Continuous Cast Copper (CCC) Wire Rod (Manufactured by South Wire Process)	--	--	1
26	Engineering	Track Design II	3100037	NYLON CORD REINFORCED ELASTOMERIC PAD	3100037003	NYLON CORD REINFORCED ELASTOMERIC PAD	4
27	Engineering	Track Design II	3100467	FISH PLATE And FISH PLATE BARS	3100467001	FISH PLATE BARS AND FISH PLATES	4
28	Engineering	TMM	3100475	Small Track Machines for Track Maintenance (Items under Trial) (Part B)	3100475008	Battery Operated Rail Drilling Machine	4
29	Engineering	Track Design I	3100494	Fusion welding of rails by Alumino Thermic Process	3100494013	60kg/60E1 (1175 HT) rail and 60kg/60E1 (R260) with 25 mm gap using CAP/ Oxy LPG/ Oxy propane preheating with 3-piece mould (Zr-Washed) manually pressed /core shooted with Auto Tapping Thimble & SSC	4

30	Engineering	Track Design I	3100494	Fusion welding of rails by Alumino Thermic Process	3100494016	60kg (1080 HH) Rail with 25 mm gap using CAP/ Oxy LPG/ Oxy propane preheating with 3-piece mould (Zr-Washed) manually pressed /core shot with Auto Tapping Thimble & SSC	4
31	Engineering	TMM	3100532	Hydraulic Rail Tensor (Non-Infringing) 70t Capacity	--	--	3
32	Engineering	TMM	3100534	Gang Worksite Remote Control Hooter	--	--	3
33	Engineering	TMM	3100540	GPS Based Foot Plate Inspection Device	--	--	3
34	Engineering	TMM	3100541	Track Based Lubricators (Electronic Type)	3100541002	Track Based Lubricators (Electronic Type) for 02KM category	3
35	Engineering	TMM	3100542	Track Based Lubricators (Hydraulic Type)	3100542002	Track Based Lubricators (Hydraulic Type) for 2KM category	3
36	Engineering	TMM	3100548	GPS Based Oscillation Monitoring System	--	--	3
37	Mechanical	MOTIVE POWER	3100082	Auxiliary Power Unit for HHP Locomotives	--	--	4
38	Mechanical	MOTIVE POWER	3100200	Composition Brake Block for ALCO, HHP Diesel Locomotives & Electric Locomotives	3100200004	'L' Type Composition Brake Block, ALCO & Electric Locomotives (For BG Locos)	4
39	Mechanical	WAGON	3100220	Bogie Mounted Brake System for freight stock fitted with Casnub Type Bogie (As per spec no. WD-23-BMBS-2008)	--	--	4
40	Mechanical	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	3100222009	N-1 Reducing Valve	4
41	Mechanical	MOTIVE POWER	3100232	Rubber components, Air brake, ALCO locomotives	3100232001	'O' Rings-PL no. 11361074(A9, SA9,D1Auto),11361293(A9,D1Emer),11361361270(A9,C2W,M U2B,D1Emer),11361505(A9,SA9),11363312(C2W),11362327(F1),11362285(A9,F1),11362303(C2W,F1),11361104(A9,SA9)	4

						& 11363757(C2W)	
42	Mechanical	MOTIVE POWER	3100232	Rubber components, Air brake, ALCo locomotives	3100232002	Port Gasket (C2W)	4
43	Mechanical	MOTIVE POWER	3100232	Rubber components, Air brake, ALCo locomotives	3100232003	Gasket (F-1 Selector Valve)	4
44	Mechanical	MOTIVE POWER	3100232	Rubber components, Air brake, ALCo locomotives	3100232004	Check Valve (D-1)	4
45	Mechanical	MOTIVE POWER	3100232	Rubber components, Air brake, ALCo locomotives	3100232005	Seal (D-1 Emergency)	4
46	Mechanical	MOTIVE POWER	3100232	Rubber components, Air brake, ALCo locomotives	3100232006	Seal with insert (D - 1 Emergency, A9, C2W)	4
47	Mechanical	MOTIVE POWER	3100232	Rubber components, Air brake, ALCo locomotives	3100232007	Pipe Bracket Gasket for C2W	4
48	Mechanical	MOTIVE POWER	3100232	Rubber components, Air brake, ALCo locomotives	3100232008	Diaphragm (A9, SA9)	4
49	Mechanical	MOTIVE POWER	3100232	Rubber components, Air brake, ALCo locomotives	3100232009	Diaphragm (C2W)	4
50	Mechanical	MOTIVE POWER	3100232	Rubber components, Air brake, ALCo locomotives	3100232010	Pipe Bracket Gasket (A9 & SA9)	4
51	Mechanical	MOTIVE POWER	3100232	Rubber components, Air brake, ALCo locomotives	3100232011	Gasket (F-1 Selector Valve)	4

52	Mechanical	MOTIVE POWER	3100232	Rubber components, Air brake, ALCo locomotives	3100232012	Pipe Bracket Gasket (MU2B)	4
53	Mechanical	MOTIVE POWER	3100232	Rubber components, Air brake, ALCo locomotives	3100232013	Gasket Bottom Cover (F-1 Selector Valve)	4
54	Mechanical	MOTIVE POWER	3100232	Rubber components, Air brake, ALCo locomotives	3100232014	Piston Head Disc (WDM2 Loco)	4
55	Mechanical	MOTIVE POWER	3100232	Rubber components, Air brake, ALCo locomotives	3100232015	Piston Head Disc (YDM4 Loco)	4
56	Mechanical	MOTIVE POWER	3100264	AC-AC Traction Control System for 4500HP HHP Diesel-Electric Locomotives	3100264001	AC-AC Traction Control System for 4500HP HHP Diesel-Electric Locomotives	4
57	Mechanical	MOTIVE POWER	3100282	Bearings, Traction Motor- TM Drive end (DIN 43283-N 332-ECM-SRL 340-370-VA309), TM Non-drive end (DIN 43283-6326-M/C5-VA309) for EMD locomotives	3100282001	Bearings, Traction Motor- TM Non-Drive end (DIN 43283-6326-M/C5-VA309)	4
58	Mechanical	MOTIVE POWER	3100312	Screw couplings (Including Spares) for Freight, Coaching & Locomotive application	3100312001	Screw coupling for Coaching stocks	4
59	Mechanical	CARRIAGE	3100325	Distributor Valve with Relay Valve for air brake system of Passenger stock on Indian railways to Spec. No. C-K209	3100325001	Distributor Valve with Relay Valve for air brake system of Passenger stock on Indian railways	4
60	Mechanical	CARRIAGE	3100335	Electro Pneumatic Brake System for EMU, DMU & MEMU stock of Indian Railways	3100335001	Electro Pneumatic Brake System for EMU, DMU & MEMU stock of Indian Railways	4
61	Mechanical	CARRIAGE	3100341	Air Spring Assemblies for Coaches	3100341002	Air Spring Assembly (120 KN capacity) for Main line / Rajdhani LHB Coaches for FIAT Type Bogies	4
62	Mechanical	WAGON	3100364	Non-Asbestos K- type Composition Brake Blocks for freight stock (840mm wheel dia.)	--	--	4
63	Mechanical	CARRIAGE	3100366	Direct Mounted Double Row Self-Aligning Spherical Roller Bearing for use on ICF	3100366001	Direct Mounted Double Row Self-Aligning Spherical Roller Bearing No.	4

				Type ALL- Coil Bogie for Passenger Coaches to RDSO Spec. No. C-8527 (Rev.01) with Amendment No.4.		22328 C/C3 for use on ICF Type ALL-Coil Bogie for Passenger Coaches to RDSO Spec. No. C-8527 (Rev.01) with Amendment No.4.	
64	Mechanical	CARRIAGE	3100366	Direct Mounted Double Row Self-aligning Spherical Roller Bearing for use on ICF Type ALL- Coil Bogie for Passenger Coaches to RDSO Spec. No. C-8527 (Rev.01) with Amendment No.4.	3100366002	Direct Mounted Double Row Self-aligning Spherical Roller Bearing No. 22326 C/C3 for use on ICF Type ALL-Coil Bogie for Passenger Coaches to RDSO Spec. No. C-8527 (Rev.01) with Amendment No.4.	4
65	Mechanical	CARRIAGE	3100366	Direct Mounted Double Row Self-aligning Spherical Roller Bearing for use on ICF Type ALL- Coil Bogie for Passenger Coaches to RDSO Spec. No. C-8527 (Rev.01) with Amendment No.4.	3100366003	Direct Mounted Double Row Self-aligning Spherical Roller Bearing No. 22320 C/C3 for use on ICF Type ALL-Coil Bogie for Passenger Coaches to RDSO Spec. No. C-8527 (Rev.01) with Amendment No.4.	4
66	Mechanical	MOTIVE POWER	3100384	Spring-Single Coil for HHP Locomotives	3100384001	Spring-Single coil for WDG4D Locomotives (RDSO Drawing no. SK.VL-755 Alt. 02 / DLW Part no. 17410137) PL No. 17410137	4
67	Mechanical	WAGON	3100411	Cast Steel bogies and its components for CONCOR Flat Wagons	3100411006	Slide Block & Side bearer Seat	4
68	Mechanical	WAGON	3100411	Cast Steel bogies and its components for CONCOR Flat Wagons	3100411009	Brake Beam	4
69	Mechanical	CARRIAGE	3100553	HIGH TENSILE AAR "H" TYPE TIGHT LOCK COUPLER WITH TRANSITION SCREW COUPLING FOR FITMENT ON BG PASSENGER COACHES OF INDIAN RAILWAYS	--	--	4

70	Mechanical	WAGON	3100024	Brake Slack adjusters and spares for Freight stock	3100024001	Brake slack adjuster type IRSA-750 for freight stock & spares	3
71	Mechanical	MOTIVE POWER	3100162	Other Brake equipments, ALCo, HHP & Electric Locomotives	3100162001	Valve- Emergency Brake for HHP Locomotives	3
72	Mechanical	MOTIVE POWER	3100162	Other Brake equipments, ALCo, HHP & Electric Locomotives	3100162003	Feed Valve, ALCo, EMD & Electric locomotives	3
73	Mechanical	MOTIVE POWER	3100200	Composition Brake Block for ALCO, HHP Diesel Locomotives & Electric Locomotives	3100200003	High Friction Composition Brake Block, HHP locomotives	3
74	Mechanical	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	3100222001	A-9 Auto Brake Valve	3
75	Mechanical	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	3100222002	SA-9 Ind. Brake Valve	3
76	Mechanical	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	3100222003	D-1 Emergency Brake Valve	3
77	Mechanical	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	3100222004	C-2W Relay valve with 5mm Choke	3
78	Mechanical	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	3100222005	C-2W Relay Valve with 6mm Choke	3
79	Mechanical	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	3100222006	F-1 Selector Valve	3
80	Mechanical	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	3100222007	MU-2B Valve	3
81	Mechanical	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	3100222008	J-1 Safety Valve	3



82	Mechanical	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	3100222010	C3W Distributor Valve with Control Reservoirs	3
83	Mechanical	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	3100222011	24A-Double Check Valve	3
84	Mechanical	WAGON	3100249	Assembly and components of CTRB for use on freight stock	3100249001	AAR approved Taper Roller Cartridge Bearings class E(6"X11") complete for use on freight stock	3
85	Mechanical	M&C	3100266	Digital Ultrasonic Testing Equipment for welded rail joints with coloured LCD TFT screen, trigonometrical function and A-Scan storage	--	--	3
86	Mechanical	MOTIVE POWER	3100312	Screw couplings (Including Spares) for Freight, Coaching & Locomotive application	3100312002	Screw couplings for Freight stock	3
87	Mechanical	MOTIVE POWER	3100312	Screw couplings (Including Spares) for Freight, Coaching & Locomotive application	3100312003	Screw couplings for Locomotives	3
88	Mechanical	MOTIVE POWER	3100379	Rubber Spring Assembly for HHP Locomotives	3100379001	Rubber Spring Assembly-A & B for WDP4 locomotives: ( A- EMD Part no. 40090677, DLW Part No. 17021121; PL No. 17021121 and B- EMD Part no. 40090678, DLW Part No. 17021133; PL No. 17021133	3
89	Mechanical	WAGON	3100389	Component of Graduated release compressed air brake equipments for Freight & Coaching stock	3100389006	Pressure gauge for air brake System	3

90	Mechanical	WAGON	3100456	AAR Approved Cartridge Tapered Roller Bearings Class 'K' (6 1/2"X9") for Freight Stocks Fitted with Light Weight Low Height (LWLH) Bogies (Narrow Jaw) for 25t axle load application to RDSO STR No. AB/RB-41-2016	--	--	3
91	Mechanical	M&C	3100265	Portable Digital Ultrasonic Flaw Detector with A-Scan Storage	--	--	2
92	Mechanical	WAGON	3100453	Automatic Twist Lock (ATL)	--	--	1
93	Mechanical	M&C	3100580	Digital Ultrasonic Double Rail Tester with 9 Probes on each rail and minimum two base lines coloured signals and real A-Scan pulse echo with continuous recording of B-Scan storage of each probe alongwith data setups	--	--	0
94	Mechanical	M&C	3100581	Digital Ultrasonic Single Rail Tester with 9 Probes, coloured signals and real AScan pulse echo with continuous recording of B-Scan storage of each probe alongwith data setups.	--	--	0
95	S AND T	Telecom	3100005	Control Communication Equipment for OFC Using 2-Wire Telephones (CCEO)	--	--	4
96	S AND T	Signal	3100006	BPAC	3100006003	Block Proving By Axle Counter (BPAC) using UFSBI (For double line and single Line)	4
97	S AND T	Signal	3100066	Fail Safe Electronic Time Delay Device for Railway Signalling (FSETTD)	3100066002	Fail Safe Electronic Time Delay Device For Railway Signalling : Working Voltage 60V DC with time delay of 10/20/30/60/120 Sec	4

98	S AND T	Signal	3100092	Non Deteriorating Type of Low Voltage Electric Fuses for Railway Signalling	3100092001	Non Deteriorating Type of Low Voltage Electric Fuses for Railway Signalling	4
99	S AND T	Signal	3100237	Data logger system for Railway S&T Installations	3100237001	Data logger system for Railway S&T Installations	4
100	S AND T	Signal	3100268	DIGITAL AXLE COUNTER	3100268001	Single Section Digital Axle Counter	4
101	S AND T	Signal	3100385	RELAYS (METAL TO CARBON)	3100385009	RELAYS - Miniature, Plug in Type, M to C, Thermal Time Element Relay, Style QCJ1, 2F-1B Contact, 24 V DC, Code AFGHK	4
102	S AND T	Signal	3100385	RELAYS (METAL TO CARBON)	3100385015	RELAYS - Miniature, Plug in Type, M to C, Tractive Armature, NON ACI, DC Biased Line Relay, Style QB3, 12 V DC, 4F-2B Contact, Code ABFGX	4
103	S AND T	Signal	3100385	RELAYS (METAL TO CARBON)	3100385017	RELAYS - Miniature, Plug in Type, M to C, DC Neutral, Line Relay, Style QSRA1, 24V DC, Slow to Release, AC Immunized, 8F-4B Contact, Code ADEFJ	4
104	S AND T	Signal	3100437	RELAYS (METAL TO METAL)	3100437008	Relay - 110V AC LED ECR for LED Signal Lamp: Metal to Metal	4
105	S AND T	Signal	3100008	Filter Unit for Use in Conjunction with Block Instrument In 25kv, 50 Hz, Ac Traction Areas	3100008001	Filter Unit for Use in Conjunction with Block Instrument In 25kv, 50 Hz, Ac Traction Areas	3
106	S AND T	Telecom	3100038	4 Wire / 2 Wire Train Traffic Control Equipment with Dual Tone Multi Frequency (DTMF ) Signalling	3100038001	4 Wire/2 Wire Train Traffic Control Equipment with Dual Tone Multi Frequency (DTMF)Signalling	3
107	S AND T	Signal	3100057	Relays 3-Position DC Polarized, 3 PPR, 77 Ohm (Metal to Metal)	3100057001	Relays 3-Position DC Polarized, 3 PPR, 77 Ohm (Metal to Metal)	3

108	S AND T	Signal	3100095	120/160/200 Way TAG Blocks for Signalling Installations	3100095001	120/160/200 Way TAG Blocks for Signalling Installations	3
109	S AND T	Telecom	3100111	Universal Wayside DTMF Telephone Control	3100111001	Universal Wayside DTMF Telephone Control	3
110	S AND T	Telecom	3100112	Portable telephone control	3100112002	4-Wire/2 Wire Portable Control Telephone	3
111	S AND T	Telecom	3100115	Way station control telephone	3100115001	2 Wire Way Station Control Telephone	3
112	S AND T	Telecom	3100115	Way station control telephone	3100115002	4 Wire Way Station Control Telephone	3
113	S AND T	Telecom	3100135	Voice Frequency Communication System for Underground Quad cable	3100135001	Voice Frequency Communication System for Underground Quad cable	3
114	S AND T	Telecom	3100137	Primary Digital Multiplexing Equipment	3100137001	Primary Digital Multiplexing Equipment	3
115	S AND T	Signal	3100155	Block Bell Equipment	3100155001	Block Bell Equipment Used In 25KV AC Electrified Area	3
116	S AND T	Signal	3100194	LED SIGNAL LAMPS	3100194003	LED SIGNAL LAMPS: LED Signal Lamps for Use in Tunnels in Metro Railway, Kolkata for Railway Signalling	3
117	S AND T	Signal	3100230	Key Lock Checking Relay with D.C. Neutral Relay, (A.C. Immunised/ Non A.C Immunished) for Railway Signalling Purposes	3100230001	Key Lock Checking Relay with D.C. Neutral Relay, (A.C. Immunised/ Non A.C Immunished) for Railway Signalling Purposes	3
118	S AND T	Signal	3100268	DIGITAL AXLE COUNTER	3100268002	High Availability Single Section Digital Axle Counter	3
119	S AND T	Telecom	3100332	TELECOM JOINTING KITS	3100332001	Thermo Shrink Jointing Kit for Jointing Underground Quad Cable (0.9 mm Conductor Dia.)	3
120	S AND T	Signal	3100437	RELAYS (METAL TO METAL)	3100437001	Relays -DC Neutral Line Relay, ACI, 60 V DC (Metal to Metal Contact)	3
121	S AND T	Signal	3100437	RELAYS (METAL TO METAL)	3100437003	Relays -DC Neutral Line Relay, Non ACI, 24V/60 V DC	3

						(Metal to Metal Contact)	
122	S AND T	Signal	3100437	RELAYS (METAL TO METAL)	3100437004	Relays: Special Type, WKR2 (Metal to Metal)	3
123	S AND T	Signal	3100437	RELAYS (METAL TO METAL)	3100437005	Relays - Special Type, Double wound DC Neutral Line Relay (Metal to Metal)	3
124	S AND T	Signal	3100437	RELAYS (METAL TO METAL)	3100437007	Relays - Mech. Interlocked Relay, 24V/60V (Metal to Metal)	3
125	S AND T	Signal	3100437	RELAYS (METAL TO METAL)	3100437009	RELAYS: Point contactor unit	3
126	S AND T	Signal	3100006	BPAC	3100006002	SSBPAC (DIGITAL) For Double Line and Single Line	2
127	S AND T	Signal	3100245	Universal Fail safe Block Interface	3100245001	Universal Fail safe Block Interface	2
128	S AND T	Signal	3100260	Advanced Auxiliary Warning System (AAWS)	3100260001	Advanced Auxiliary Warning System (AAWS)	2
129	S AND T	Signal	3100148	Single line Block instrument (token less)	3100148003	Push Button TLBI with UFSBI	1

Note: For further details regarding item specifications, schedule of technical requirements, drawings & Images etc., kindly refer UVAM website <https://www.ireps.gov.in/epnsn/jsp/cvap/admin/cvapApprovalOfVendorAnony.jsp>