



Approving Agency	Department	Sub Directorate	Item Id	Item Description	SubItem Id	SubItem Description	Vendor Count
1	Mechanical	CARRIAGE	3100334	UIC-130 Pre-Sealed, Pre-Set And Pre-Lubricated Cartridge Taper Roller Bearings (CTRB) for Use on Coaches of LHB Design	--	--	4
2	Electrical	ELECTRIC LOCO	3100104	Axle Box Bearing For WAG9/WAP7 Locomotives	--	--	4
3	Electrical	ELECTRIC LOCO	3100129	Computer / Microprocessor controlled air brake for 3 phase electric locomotive	--	--	4
4	Electrical	ELECTRIC LOCO	3100136	Main Compressor (Oil Lubricated) for Electric Locomotives (1745 LPM Capacity)	--	--	4
5	Electrical	ELECTRIC LOCO	3100141	Oil Free Main Compressor for 3-Phase Electric & WAP-4 Locomotives (1750 LPM Capacity)	--	--	3
6	Electrical	ELECTRIC LOCO	3100093	a. Main Gear bearing for Aluminium Gear Case of WAP5 b. Intermediate Gear bearing for Aluminium Gear Case of WAP5 c. Pinion bearing	--	--	2

7	Electrical	ELECTRIC LOCO	3100117	3 Phase Locomotive Traction Motor Bearing of TM type 6FXA7059	--	--	2
8	Electrical	ELECTRIC LOCO	3100127	Brake System for 3-phase locomotives	--	--	2
9	Electrical	ELECTRIC LOCO	3100226	Development of Functionality Equilent PCB Cards of GTO Based Converters and MICAS VCU in Three Phase Electric Locomotives	--	--	2
10	Electrical	ELECTRIC LOCO	3100091	Axle Box Bearing For WAP5 Locomotives	--	--	1
11	Electrical	ELECTRIC LOCO	3100131	EP Assisted brake system for 3- phase Electric locomotive application compatible with EP assisted brake system on coaches	--	--	1
12	Electrical	ELECTRIC LOCO	3100231	Metallised Carbon Strips for pantograph with Auto dropping device	--	--	1
13	Mechanical	M&C	3100119	Digital Ultrasonic Single Rail Tester with coloured signals and real A-Scan pulse echo with continuous recording of B-Scan storage along with Data setups	--	--	3

14	Mechanical	M&C	3100164	General Purpose Grease for M&P Application	--	--	3
15	Mechanical	M&C	3100266	Digital Ultrasonic Testing Equipment for welded rail joints with coloured LCD TFT screen, trigonometrical function and A-Scan storage	--	--	3
16	Mechanical	M&C	3100336	Digital Ultrasonic Double Rail Tester with minimum two base lines, coloured signals and real A-scan pulse echo with continuous recording of B-Scan storage along with data setups	--	--	3
17	Mechanical	M&C	3100265	Portable Digital Ultrasonic Flaw Detectorwith A-Scan Storage	--	--	2
18	Mechanical	MOTIVE POWER	3100082	Auxiliary Power Unit for HHP Locomotives	--	--	4
19	Mechanical	MOTIVE POWER	3100400	Centre Pivot Block Assembly (Item no. 2 of drawing no. SK.VL-501(Alt.-6), DLW Part no. 11276332: Unified PL No. 11276332 and Item no. 2 of drawing no. SK.VL- 646 (Alt.-2))	--	--	4

20	Mechanical	MOTIVE POWER	3100108	Micro controller based Electronic Speed indicating and Recording system for Railway application	--	--	3
21	Mechanical	MOTIVE POWER	3100202	Brake Interface Unit (BIU) for Train Collision Avoiding System and Distributed Power Control System for diesel Locomotives fitted with IRAB class of Brake System	--	--	3
22	Electrical	PS&EMU	3100026	1100 Ah VRLA battery	--	--	4
23	Electrical	PS&EMU	3100029	12 V, 70 Ah VRLA battery	--	--	3
24	Mechanical	QA MECH	3100221	Empty Load device IR-ELD-10	--	--	4
25	Mechanical	QA MECH	3100330	Centre Pivot Rubber Bush for WDP1, WDG3A	--	--	4
26	Mechanical	QA MECH	3100321	Snubber assembly for Locomotives	--	--	3
27	Electrical	QAE	3100031	Operating Rod Insulator for 25 kV Isolator (RI 6260)	--	--	4
28	Electrical	QAE	3100040	Five Pulley Auto Tensioning Devices for 25KV AC Traction	--	--	4
29	Electrical	QAE	3100041	25 KV Single Pole Vacuum Interrupter	--	--	4

30	Electrical	QAE	3100175	Un-insulated Cadmium Copper Catenary Wire 125 mm <sup>2</sup> (37/2.10 mm)	--	--	4
31	Electrical	QAE	3100181	Porcelain Bracket insulator (RI 6030-1) (1050mm CD)	--	--	4
32	Electrical	QAE	3100182	Porcelain Stay Arm Insulator ( RI 6000-2) (1050mm CD)	--	--	4
33	Electrical	QAE	3100185	Post Insulator for 25 kV Isolator and Bus Bars (RI 6090)	--	--	4
34	Electrical	QAE	3100189	Porcelain 9-tonne Insulators (RI 6020-1) (1050 mm CD)	--	--	4
35	Electrical	QAE	3100190	245 kV Solid Core Post Insulator Assembly for 220 kV Isolators & Bus Bars.	--	--	4
36	Electrical	QAE	3100191	132 kV Solid Core Post Insulator Assembly for 132 kV Isolators & Bus Bars	--	--	4
37	Electrical	QAE	3100195	Sectioning Insulator (RI 6110) (850mm CD)	--	--	4
38	Electrical	QAE	3100240	Gearless Hand Operated Pulling and Lifting Machine(0.8t, 1.6t, 3.2t)	--	--	4
39	Electrical	QAE	3100283	Bearing for traction motor TAO-659 Bearing Type : NU-328 and NH-318	--	--	4
40	Electrical	QAE	3100355	Galvanised Stranded Steel Traction Bond	--	--	4

41	Electrical	QAE	3100359	ZS coupler (400A, 750V)	--	--	4
42	Electrical	QAE	3100398	Roof Mounted AC Package Unit for Double Decker EOG Type AC Coaches (10 TR)	--	--	4
43	Electrical	QAE	3100418	54MVA, 220/2x25 kV, 50Hz, ONAN, Scott Connected Traction Power Transformer	--	--	4
44	Electrical	QAE	3100422	8MVA, 54/27kV, 50Hz Auto Transformer	--	--	4
45	Electrical	QAE	3100463	Battery for TRD-Lead Acid 200Ah -LM	--	--	4
46	Electrical	QAE	3100184	66kV Solid Core Post Insulator Assembly for 66kV Isolators and Bus Bars	--	--	3
47	Electrical	QAE	3100186	110 kV Solid Core Post Insulator Assembly for 110 kV Isolators & Bus Bars	--	--	3
48	Electrical	QAE	3100193	11kV, 70 kN, (Ball & Socket Type) Disc Insulator 280 mm dia, CD-430 mm(min.)	--	--	3
49	Electrical	QAE	3100197	11kV, 120kN (Ball & Socket) Disc Insulator with 280mm dia CD 430mm(min.)	--	--	3
50	Electrical	QAE	3100243	Ratchet Lever hoist (Pull Lift) (0.8 t, 1.6 t, 3.2 t)	--	--	3
51	Electrical	QAE	3100278	Numerical Delta I & under voltage protection relay.	--	--	3

52	Electrical	QAE	3100281	30/42MVA, 132/27KV, 50 Hz, Single Phase, ONAN/ONAF Traction Power Transformer with on Load Tap Changer	--	--	3
53	Electrical	QAE	3100294	Dynamic Reactive Power Compensation Equipment	--	--	3
54	Electrical	QAE	3100356	132kV Double Pole, Triple Pole, Outdoor Sf6 Circuit Breakers for Indian Railway	--	--	3
55	Electrical	QAE	3100382	Numerical feeder protection relay comprising DPR, OCR, PTFE and Auto reclosure function.	--	--	3
56	Electrical	QAE	3100196	Cable Transit System with EPDM Rubber Modules	--	--	2
57	Electrical	QAE	3100427	21.6/30.24 MVA, 50 Hz, Single Phase, ONAN/ONAF, traction power transformer (66/27kV)	--	--	2
58	Electrical	QAE	3100465	30MVA, 110/27KV, 50 Hz, Single Phase, ONAN Traction Power Transformer with on Load Tap Changer	--	--	1
59	S AND T	Telecom	3100083	IP Based Integrated Passenger Information Systems	--	--	4
60	S AND T	Telecom	3100180	ELECTRONIC L.C. GATE TELEPHONE SYSTEM	--	--	4



61	S AND T	Telecom	3100005	Control Communication Equipment for OFC Using 2-Wire Telephones (CCEO)	--	--	3
62	S AND T	Telecom	3100201	Emergency Socket Box Of FRP Material	--	--	3
63	S AND T	Telecom	3100497	SMPS BASED TELECOM INTEGRATED POWER SUPPLY SYSTEM FOR STATION (TIPSS)	--	--	2
64	S AND T	Telecom	3100172	Voice Data Logger/ Monitor for Control Circuits	--	--	1
65	S AND T	Telecom	3100107	Telecom Cable Termination Box(Non metallic) for Indoor use	--	--	0
66	S AND T	Telecom	3100114	VHF Based Approaching Train Warning System for Track Maintainers	--	--	0
67	S AND T	Telecom	3100178	Surge Protective Device For Telecommunication Equipment	--	--	0
68	S AND T	Telecom	3100187	24/48 Fibre Armoured Optical Fibre Cable	--	--	0
69	S AND T	Telecom	3100198	Joint Enclosure for Armoured Optical Fibre Cable	--	--	0
70	S AND T	Telecom	3100210	Point to Point Wireless System	--	--	0

71	Electrical	TI	3100085	220kV Double Pole, Triple Pole, Outdoor SF6 Circuit Breakers for Indian Railway	--	--	3
72	Electrical	TI	3100102	30 / 42 MVA, 50 Hz, Single Phase, ONAN/ONAF Traction Power Transformer (220/27 KV)	--	--	3
73	Electrical	TI	3100274	SCADA System Complete.	--	--	3
74	Electrical	TI	3100444	Short Neutral Section Assembly (Phase Break)	--	--	3
75	Electrical	TI	3100034	25 kV Double Pole Vacuum Circuit Breaker	--	--	2
76	Electrical	TI	3100086	Higher diameter (22.5 mm to 26 mm dia.) Continuous Cast Copper (CCC) Wire Rod ( Manufactured by South Wire Process)	--	--	2
77	Electrical	TI	3100142	25 kV Double Pole Vacuum Interrupters	--	--	2
78	Electrical	TI	3100146	Shunt Capacitor	--	--	2
79	Electrical	TI	3100377	Control and Relay Panel including Numerical type Protection Relays for Scott-Connected/Single Phase Traction transformers, OHE protection and Shunt Capacitor Bank Protection for 2x25 kV Traction Substation.	--	--	2

80	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.	--	--	2
81	Electrical	TI	3100383	Series Reactor for Capacitor Bank Low loss	--	--	2
82	Electrical	TI	3100393	Microprocessor based Numerical Integrated Feeder Protection Module comprising DPR,OCR,WPC,PTFF & Auto Reclosure Relay for 25 kV AC Single phase 50 Hz Traction Sub-station.	--	--	2
83	Electrical	TI	3100395	Delta-I type high resistive fault selective relay for 25 kV AC single phase 50Hz traction system.	--	--	2
84	Electrical	TI	3100399	Panto Flash Over Protection Relay for 25 kV AC single phase 50Hz traction system.	--	--	2
85	Electrical	TI	3100429	Control and Relay Panel including Numerical Type	--	--	2

				Protection Relays for Mumbai Sub-urban area for 50Hz AC Traction Power Supply System including Parallel Operation on 25 kV Side.			
86	Electrical	TI	3100176	Converter Oil	--	--	1
87	Electrical	TI	3100206	30 / 42 MVA, 50 Hz, Single Phase, ONAN/ONAF, Traction Power Transformer (110/27 KV)	--	--	1
88	Electrical	TI	3100208	25 kV Composite section Insulator (1050 mm CD)	--	--	1
89	Electrical	TI	3100280	Series Capacitor	--	--	1
90	Electrical	TI	3100445	Light Weight Section Insulators Assembly	--	--	1
91	Electrical	TI	3100205	21.6 MVA, 132/2x27 kV 50 Hz, ONAN, Single Phase Traction Power Transformer	--	--	0
92	Electrical	TI	3100499	66 kV Double Pole, Triple Pole, Outdoor SF6 Circuit Breaker for Indian Railways.	--	--	0
93	Electrical	TI	3100501	8 MVA, 55/27.5 kV Auto Transformer	--	--	0
94	Electrical	TI	3100502	12.3 MVA, 55/27.5 kV, Auto transformer	--	--	0

95	Electrical	TI	3100503	16.5 MVA, 55/27.5 kV Auto Transformer	--	--	0
96	Electrical	TI	3100505	38/53/63MVA,132kV/2X27.5 kV Single Phase Traction Power Transformer	--	--	0
97	Electrical	TI	3100506	60/84/100MVA, 132kV/2X55kV, Scott Connected Traction Power Transformer.	--	--	0
98	Electrical	TI	3100508	Spring Auto tensioning device (Spring ATD)	--	--	0
99	Electrical	TI	3100514	Modular Cantilever System	--	--	0
100	Engineering	TMM	3100524	HYDRAULIC TRACK JACK 15T Cap.(NON INFRINGING)	--	--	4
101	Engineering	TMM	3100528	Mechanical Track Jack 8t Capacity (Non- Infringing Type) (Rack & Pinion Type)	--	--	4
102	Engineering	TMM	3100529	Mechanical Track Jack 8t Capacity (Non- Infringing Type) (Rack & Pawl Type)	--	--	4
103	Engineering	TMM	3100531	Powered Material Trolley	--	--	4

104	Engineering	TMM	3100543	Magnetic base type Rail Thermometer	--	--	4
105	Engineering	TMM	3100544	Toe Load Measuring Device (Mechanical)	--	--	4
106	Engineering	TMM	3100548	GPS Based Oscillation Monitoring System	--	--	4
107	Engineering	TMM	3100520	Hydraulic Rail Bender (Jim Crow) Heavy Duty	--	--	3
108	Engineering	TMM	3100523	Heavy Duty Hydraulic Extractor for Jammed ERCs (10T)	--	--	3
109	Engineering	TMM	3100526	Hand Operated Weld Trimmer	--	--	3
110	Engineering	TMM	3100532	Hydraulic Rail Tensor (Non-Infringing) 70t Capacity	--	--	3
111	Engineering	TMM	3100534	Gang Worksite Remote Control Hooter	--	--	3

112	Engineering	TMM	3100535	Hydraulic Sleeper Spacer	--	--	3
113	Engineering	TMM	3100538	Hydraulic Track Lifting Cum Slewing Device (TRALIS) 15t Capacity	--	--	3
114	Engineering	TMM	3100539	Off Track Tampers (Engine Mounted Version)	--	--	3
115	Engineering	TMM	3100540	GPS Based Foot Plate Inspection Device	--	--	3
116	Engineering	TMM	3100541	Track Based Lubricators (Electronic Type)	--	--	3
117	Engineering	TMM	3100542	Track Based Lubricators (Hydraulic Type)	--	--	3
118	Engineering	TMM	3100545	Chamfering Kit (Manual)	--	--	3
119	Engineering	TMM	3100547	Electronic Toe Load Measuring Device	--	--	3
120	Engineering	TMM	3100533	Continuous Rail Thermometer	--	--	2
121	Engineering	Track Design II	3100498	Reconditioning of wheel burns/scabs and Reconditioning of cupped welded joints by micro flow metal spray powder	--	--	1

122	Mechanical	WAGON	3100430	Friction Wedge with specified range of C.O.F.	--	--	4
123	Mechanical	WAGON	3100468	Draft Gears for Slackless Draw Bar	--	--	4
124	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	--	--	2
125	Mechanical	WAGON	3100364	Non-Asbestos K- type Composition Brake Blocks for freight stock (840mm wheel dia.)	--	--	1
126	Mechanical	WAGON	3100453	Automatic Twist Lock (ATL)	--	--	1



**208 Sub items in IREPS UVAM portal having less than five sources  
(Annexure-B) as on 20th July-2021**

<b>Annexure B</b>							
<b>Approving Agency</b>	<b>Department</b>	<b>Sub Directorate</b>	<b>Item Id</b>	<b>Item Description</b>	<b>SubItem Id</b>	<b>SubItem Description</b>	<b>Vendor Count</b>
1	Electrical	QAE	3100123	Flexible Polyimide Conduit with its end Fittings and Accessories	3100123015	Conduit NW 56	1
2	Electrical	QAE	3100123	Flexible Polyimide Conduit with its end Fittings and Accessories	3100123017	Conduit NW 95	0
3	Engineering	QA Civil	3100037	NYLON CORD REINFORCED ELASTOMERIC PAD	3100037003	NYLON CORD REINFORCED ELASTOMERIC PAD	4
4	Engineering	QA Civil	3100235	GLUE	3100235001	GLUE	4
5	Engineering	QA Civil	3100470	H3B CLASS ELECTRODES (MINIMUM LIFE-35 GMT)	3100470001	H3B CLASS ELECTRODES (MINIMUM LIFE-35 GMT)	4
6	Engineering	TMM	3100475	Small Track Machines for Track Maintenance ( Items under Trial) (Part B)	3100475008	Battery Operated Rail Drilling Machine	4

7	Engineering	Track Design II	3100494	Fusion welding of rails by Alumino Thermic Process	3100494009	For 60kg / 60 E1 (R-260 grade) rail with Nominal gap of 25 mm using CAP/ Oxy LPG/ Oxy propane preheating with 3 piece mould (Zr-Washed) manually pressed /core shooted with Auto Tapping Thimble & SSC	4
8	Engineering	QA Civil	3100012	FIBRE GLASS CLOTH WOVEN ROVING-360	3100012001	FIBRE GLASS CLOTH WOVEN ROVING-360	3
9	Engineering	QA Civil	3100404	FABRICATED CROSSINGS	3100404001	FABRICATED CROSSINGS 1 in 8.5/60 kg	3
10	Engineering	QA Civil	3100467	FISH PLATE And FISH PLATE BARS	3100467001	FISH PLATE BARS AND FISH PLATES	3
11	Engineering	QA Civil	3100471	H3C CLASS ELECTRODES (MINIMUM LIFE-50 GMT)	3100471001	H3C CLASS ELECTRODES (MINIMUM LIFE-50 GMT)	3
12	Engineering	TMM	3100475	Small Track Machines for Track Maintenance ( Items under Trial) (Part B)	3100475001	Light Weight Push Trolley	3
13	Engineering	TMM	3100475	Small Track Machines for Track Maintenance ( Items under Trial) (Part B)	3100475002	ERC Inserter & Extractor	2

14	Engineering	Track Design II	3100494	Fusion welding of rails by Alumino Thermic Process	3100494010	60kg/60E1 (R-260 grade) rail and 60kg (90UTS) 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	1
15	Engineering	TMM	3100475	Small Track Machines for Track Maintenance ( Items under Trial) (Part B)	3100475003	Light Weight Abrasive Rail Cutter	0
16	Engineering	TMM	3100475	Small Track Machines for Track Maintenance ( Items under Trial) (Part B)	3100475004	Impact Wrench	0
17	Engineering	Track Design II	3100494	Fusion welding of rails by Alumino Thermic Process	3100494011	60kg/60E1 (1175 HT grade) rail 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	0

18	Engineering	Track Design II	3100494	Fusion welding of rails by Alumino Thermic Process	3100494012	60kg/60E1 (1175 HT grade) rail and 60kg (90UTS) 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	0
19	Engineering	Track Design II	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	0

20	Engineering	Track Design II	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 shooted with Auto Tapping Thimble & SSC	0
21	Engineering	Track Design II	3100494	Fusion welding of rails by Alumino Thermic Process	3100494018	52kg (90UTS) Rail with 75 mm gap using CAP/ Oxy LPG/ Oxy propane preheating with 3 piece mould (Zr-Washed) manually pressed /core shooted with Auto Tapping Thimble & SSC	0
22	Engineering	Track Design II	3100494	Fusion welding of rails by Alumino Thermic Process	3100494019	60 kg (90UTS) Rail with 75 mm gap using CAP/ Oxy LPG/ Oxy propane preheating with 3 piece mould (Zr-Washed) manually pressed /core shooted with Auto Tapping Thimble & SSC	0
23	Mechanics	MOTIVE POWER	3100140	Pressure Gauge and Air Flow Indicator for ALCo & HHP Diesel Locomotives	3100140001	4" Single Air Pressure Gauge for diesel locomotives application	4

24	Mechanica I	M&C	3100163	Lubricants for Machinery & Plant (Applicable for any number of sub items)	310016300 1	Internal Combustion Engine Crankcase Oils to (API-CD, with Mak T-7 Test )Diesel Engines Gr.SAE-40	4
25	Mechanica I	M&C	3100163	Lubricants for Machinery & Plant (Applicable for any number of sub items)	310016300 2	Internal Combustion Engine Crankcase Oils to IS:13656-2002 Type EPL-2 (API-SF) Automotive Petrol Engines Gr.20W/40	4
26	Mechanica I	M&C	3100163	Lubricants for Machinery & Plant (Applicable for any number of sub items)	310016300 3	Internal Combustion Engine Crankcase Oils for Diesel Engines of Rajdhani/Shatabdi Power Cars- PL No.80.01.0246	4
27	Mechanica I	M&C	3100163	Lubricants for Machinery & Plant (Applicable for any number of sub items)	310016301 4	Oil Refrigeration Machinery	4
28	Mechanica I	MOTIVE POWER	3100183	Modified Hand Brake Assembly	310018300 1	Modified hand brake assembly for ALCo locomotives	4
29	Mechanica I	MOTIVE POWER	3100183	Modified Hand Brake Assembly	310018300 2	Modified hand brake assembly for HHP locomotives	4

30	Mechanica I	MOTIVE POWER	3100183	Modified Hand Brake Assembly	310018300 3	Modified hand brake assembly for Electric Locomotive	4
31	Mechanica I	MOTIVE POWER	3100200	Composition Brake Block for ALCO, HHP Diesel Locomotives & Electric Locomotives	310020000 4	'L' Type Composition Brake Block, ALCO & Electric Locomotives (For BG Locos)	4
32	Mechanica I	CARRIAG E	3100204	Axle Mounted Disc Brake System for LHB type BG Mainline Coaches	310020400 1	Axle Mounted Disc Brake System for LHB type BG Mainline Coaches	4
33	Mechanica I	MOTIVE POWER	3100224	Air Flow Measuring Valve and Air Flow Indicator, ALCO & Electric Locomotives	310022400 1	Air Flow Indicator for ALCO Locomotives	4
34	Mechanica I	MOTIVE POWER	3100224	Air Flow Measuring Valve and Air Flow Indicator, ALCO & Electric Locomotives	310022400 2	Air Flow Measuring Valve for ALCO & Electric Locomotives (PL No. 11485085 for Diesel loco & 25169580 for Electric loco)	4
35	Mechanica I	MOTIVE POWER	3100224	Air Flow Measuring Valve and Air Flow Indicator, ALCO & Electric Locomotives	310022400 3	Air Flow Indicator for Electric Locomotives	4
36	Mechanica I	MOTIVE POWER	3100233	Filter Air Dryer & MR, for ALCo & EMD locomotives	310023300 1	Filter Air Dryer & MR, for EMD locomotives	4

37	Mechanica I	MOTIVE POWER	3100239	Connecting Rod Bearings, Specification No. 31PD 5703A, (Steel Backed) Anti - Friction Metal Lined,Half Bushing, Con Rod ( Cap Only ) (BLW Part No. 10150055 ) Unified PL No. 10150055 & Half Bushing, Con Rod ( Rod Only ) (BLW Part No. 10150043) Unified PL No. 10150043 for ALCo Locomotives	310023900 1	Half Bushing, Connecting Rod (Rod only) (BLW Part No. 10150043) Unified PL No. 10150043 for ALCO locomotives	4
38	Mechanica I	MOTIVE POWER	3100239	Connecting Rod Bearings, Specification No. 31PD 5703A, (Steel Backed) Anti - Friction Metal Lined,Half Bushing, Con Rod ( Cap Only ) (BLW Part No. 10150055 ) Unified PL No. 10150055 & Half Bushing, Con Rod ( Rod Only ) (BLW Part No. 10150043) Unified PL No. 10150043 for ALCo Locomotives	310023900 2	Half Bushing, Connecting Rod (Cap Only)(BLW Part No. 10150055) Unified PL No. 10150055 for ALCO locomotives	4
39	Mechanica I	MOTIVE POWER	3100264	AC-AC Traction Control System for 4500HP HHP Diesel-Electric Locomotives	310026400 1	AC-AC Traction Control System for 4500HP HHP Diesel-Electric Locomotives	4



40	Mechanica I	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	310028200 2	Bearings, Traction Motor- TM Drive end	4
41	Mechanica I	MOTIVE POWER	3100290	Rubber to metal bonded bushings for HHP Locomotives	310029000 3	Bushing Rubber for HHP Locomotives (EMD Part No. 40076807, DLW Part No. 17452200) PL No. : 17452200	4
42	Mechanica I	QA MECH	3100312	Screw couplings (Including Spares) for Freight, Coaching & Locomotive application	310031200 1	Screw coupling for Coaching stocks	4
43	Mechanica I	CARRIAG E	3100325	Distributor Valve with Relay Valve for air brake system of Passenger stock on Indian railways to Spec. No. C-K209	310032500 1	Distributor Valve with Relay Valve for air brake system of Passenger stock on Indian railways	4
44	Mechanica I	CARRIAG E	3100335	Electro Pneumatic Brake System for EMU,DMU & MEMU stock of Indian Railways	310033500 1	Electro Pneumatic Brake System for EMU,DMU & MEMU stock of Indian Railways	4
45	Mechanica I	M&C	3100338	Wire for Submerged Arc Welding	310033800 2	Wire for Submerged Arc Welding, Class W-2	4

46	Mechanica I	CARRIAG E	3100341	Air Spring Assemblies For Coaches	310034100 2	Air Spring Assembly (120 KN capacity) for Main line / Rajdhani LHB Coaches for FIAT Type Bogies	4
47	Mechanica I	M&C	3100349	Flux for Submerged Arc Welding	310034900 2	Flux for Submerged Arc Welding, Class F-2 Type - Agglomerated	4
48	Mechanica I	M&C	3100349	Flux for Submerged Arc Welding	310034900 3	Flux for Submerged Arc Welding, Class F-4 Type - Agglomerated	4
49	Mechanica I	M&C	3100351	Flux cored MIG/MAG Welding Filler Wire with shielded gas	310035100 2	Flux cored MIG/MAG Welding Filler Wire with shielded gas, Class IV	4
50	Mechanica I	CARRIAG E	3100360	"L" type Composite Brake blocks for Coaching Stock	310036000 1	Non Asbestos based low friction composite brake blocks for application on Coaching stock of Indian railways	4
51	Mechanica I	CARRIAG E	3100366	Direct Mounted Double Row Self-aligning Spherical Roller Bearing for use on ICF Type ALL- Coil Bogie for Passenger Coaches to Spec. No. C-8527(Rev.01)	310036600 1	Direct Mounted Double Row Self -Aligning Spherical Roller Bearings for Use on ICF Type All- Coil Bogies for Passenger Coaches	4

52	Mechanica I	QA MECH	3100389	Component of Graduated release compressed air brake equipments for Freight & Coaching stock	3100389010	Load Sensing Device	4
53	Mechanica I	QA MECH	3100411	Cast Steel bogies and its components for CONCOR Flat Wagons	3100411006	Slide Block & Side bearer Seat	4
54	Mechanica I	QA MECH	3100411	Cast Steel bogies and its components for CONCOR Flat Wagons	3100411009	Brake Beam	4
55	Mechanica I	CARRIAGE	3100426	Hot Coiled Cylindrical Spring for use in Suspension of I.R. coaches having FIAT Design Bogie	3100426002	Secondary Springs for FIAT Bogie	4
56	Mechanica I	QA MECH	3100474	High tensile transition centre buffer coupler & its component for BG Wagons & Locomotives	3100474001	Clevis with handle	4
57	Mechanica I	QA MECH	3100024	Brake Slack adjusters and spares for Freight stock	3100024001	Brake slack adjuster type IRSA-750 for freight stock & spares	3
58	Mechanica I	MOTIVE POWER	3100140	Pressure Gauge and Air Flow Indicator for ALCo & HHP Diesel Locomotives	3100140002	Gauge Complex with Air Flow Indicator, HHP Locomotives	3
59	Mechanica I	MOTIVE POWER	3100162	Other Brake equipments, ALCo, HHP & Electric Locomotives	3100162001	Valve- Emergency Brake for HHP Locomotives	3

60	Mechanica I	MOTIVE POWER	3100162	Other Brake equipments, ALCo, HHP & Electric Locomotives	310016200 3	Feed Valve, ALCo, EMD & Electric locomotives	3
61	Mechanica I	MOTIVE POWER	3100200	Composition Brake Block for ALCO, HHP Diesel Locomotives & Electric Locomotives	310020000 3	High Friction Composition Brake Block, HHP locomotives	3
62	Mechanica I	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	310022200 3	D-1 Emergency Brake Valve	3
63	Mechanica I	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	310022200 8	J-1 Safety Valve	3
64	Mechanica I	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	310022200 9	N-1 Reducing Valve	3
65	Mechanica I	MOTIVE POWER	3100233	Filter Air Dryer & MR, for ALCo & EMD locomotives	310023300 2	Filter Air Dryer & MR, for ALCO locomotives	3
66	Mechanica I	MOTIVE POWER	3100242	Remote Monitoring and Management of Locomotive and Trains	310024200 1	Remote Monitoring and Management of Locomotive and Trains	3
67	Mechanica I	QA MECH	3100249	Assembly and components of CTRB for use on freight stock	310024900 1	AAR approved Taper Roller Cartridge Bearings class E(6"X11") complete for use on freight stock	3

68	Mechanica I	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	310028200 1	Bearings, Traction Motor- TM Non Drive end	3
69	Mechanica I	CARRIAG E	3100288	Silicon Foam as a Cushioning Material for Indian Railway Passenger Coaches (Tentative)	310028800 1	Silicon Foam as a Cushioning Material for Indian Railway Passenger Coaches	3
70	Mechanica I	QA MECH	3100312	Screw couplings (Including Spares) for Freight, Coaching & Locomotive application	310031200 2	Screw couplings for Freight stock	3
71	Mechanica I	QA MECH	3100312	Screw couplings (Including Spares) for Freight, Coaching & Locomotive application	310031200 3	Screw couplings for Locomotives	3
72	Mechanica I	QA MECH	3100315	Lubricated taper plug valves	310031500 2	Lubricated taper plug values 80 mm	3
73	Mechanica I	CARRIAG E	3100328	Self lubricating Polyster Resin based composite brake gear bushes to be used in main line Coaches (BG) to RDSO Spec. No. C- K605(Rev.01)	310032800 1	Self lubricating Polyster Resin based composite brake gear bushes to be used in main line Coaches (BG)	3

74	Mechanica I	CARRIAG E	3100339	High Capacity Thermoplastic Polyester Elastomer Upper Washer & Lower Washer assembly used in the Primary Suspension of B.G. EMU/DMU Coaches	310033900 1	High Capacity Thermoplastic Polyester Elastomer Lower Washer assembly used in the Primary Suspension of BG EMU/DMU Coaches	3
75	Mechanica I	CARRIAG E	3100339	High Capacity Thermoplastic Polyester Elastomer Upper Washer & Lower Washer assembly used in the Primary Suspension of B.G. EMU/DMU Coaches	310033900 2	High Capacity Thermoplastic Polyester Elastomer Upper Washer assembly used in the Primary Suspension of BG EMU/DMU Coaches	3
76	Mechanica I	CARRIAG E	3100341	Air Spring Assemblies For Coaches	310034100 4	Higher capacity Air Spring Assembly (160 KN) for LHB Coaches having FIAT Bogie.	3
77	Mechanica I	M&C	3100351	Flux cored MIG/MAG Welding Filler Wire with shielded gas	310035100 3	Flux cored MIG/MAG Welding Filler Wire with shielded gas, Class VI	3
78	Mechanica I	M&C	3100351	Flux cored MIG/MAG Welding Filler Wire with shielded gas	310035100 5	Flux cored MIG/MAG Welding Filler Wire with shielded gas, Class III	3
79	Mechanica I	QA MECH	3100354	Constant Contact Side Bearer for rolling stock	310035400 1	Constant Contact Side Bearer for freight Bogies	3
80	Mechanica I	QA MECH	3100354	Constant Contact Side Bearer for rolling stock	310035400 2	Constant Contact Side Bearer for freight Bogies	3

81	Mechanica I	CARRIAG E	3100360	"L" type Composite Brake blocks for Coaching Stock	310036000 2	Non- Asbestos based low friction composite brake blocks for application on MG Coaching stock of Indian Railways	3
82	Mechanica I	M&C	3100373	Manual Metal Arc Welding Electrode: Stainless Steel type Electrode	310037300 3	Manual Metal Arc Welding Electrode, Class M3, Type of Coating: Heavy	3
83	Mechanica I	MOTIVE POWER	3100379	Rubber Spring Assembly for HHP Locomotives	310037900 1	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
84	Mechanica I	QA MECH	3100389	Component of Graduated release compressed air brake equipments for Freight & Coaching stock	310038900 6	Pressure gauge for air brake System	3

85	Mechanica I	MOTIVE POWER	3100406	Three Phase AC-AC Transmission System & Associated Control Equipment for 1600 HP Diesel Electric Multiple Unit	310040600 1	Three Phase AC-AC Transmission System & Associated Control Equipment for 1600 HP Diesel Electric Multiple Unit	3
86	Mechanica I	MOTIVE POWER	3100420	Carbon Blocks	310042000 1	Carbon Brush for TM 165/165 M /4906/4907/GE 752/C1001TM	3
87	Mechanica I	MOTIVE POWER	3100420	Carbon Blocks	310042000 8	Carbon Brush for TA10105AZ,TA10106AZ, TA10102CW/DW,TA10102 EV	3
88	Mechanica I	MOTIVE POWER	3100420	Carbon Blocks	310042001 1	Carbon Brush for AG3101	3
89	Mechanica I	MOTIVE POWER	3100420	Carbon Blocks	310042001 8	Carbon Brush for Main Alternator (TA-17)	3
90	Mechanica I	QA MECH	3100473	High tensile Centre Buffer Coupler & its components for Freight stock	310047301 8	Knuckle Thrower (24 BD)	3
91	Mechanica I	QA MECH	3100474	High tensile transition centre buffer coupler & its component for BG Wagons & Locomotives	310047400 4	Toggle	3



92	Mechanica I	QA MECH	3100474	High tensile transition centre buffer coupler & its component for BG Wagons & Locomotives	310047400 6	Lock Lift Lever Hook	3
93	Mechanica I	QA MECH	3100474	High tensile transition centre buffer coupler & its component for BG Wagons & Locomotives	310047400 8	Shank wear plate	3
94	Mechanica I	QA MECH	3100474	High tensile transition centre buffer coupler & its component for BG Wagons & Locomotives	310047401 3	Striker Block with wear plate	3
95	Mechanica I	QA MECH	3100474	High tensile transition centre buffer coupler & its component for BG Wagons & Locomotives	310047401 7	Yoke support plate & Yoke pin support plate	3
96	Mechanica I	M&C	3100323	Solid MIG/MAG Welding Filler Wire with Shielding gas	310032300 3	Solid MIG/MAG Welding Filler wire, Class IV	2
97	Mechanica I	M&C	3100351	Flux cored MIG/MAG Welding Filler Wire with shielded gas	310035100 4	Flux cored MIG/MAG Welding Filler Wire with shielded gas, Class VII	2
98	Mechanica I	QA MECH	3100411	Cast Steel bogies and its components for CONCOR Flat Wagons	310041100 5	End Piece & Strut Casting for Brake Beam	2
99	Mechanica I	MOTIVE POWER	3100420	Carbon Blocks	310042000 2	Carbon Brush for TM5002AZ/BW	2

100	Mechanica I	MOTIVE POWER	3100420	Carbon Blocks	310042001 9	Carbon Brush for Companion Alternator (CA-6)	2
101	Mechanica I	MOTIVE POWER	3100420	Carbon Blocks	310042002 0	Carbon Brush for DB Grid Motor	2
102	Mechanica I	MOTIVE POWER	3100420	Carbon Blocks	310042002 8	Carbon Brush for DB Blower Motor-DY3423	2
103	Mechanica I	MOTIVE POWER	3100420	Carbon Blocks	310042003 1	Carbon Brush for TM253AZ	2
104	Mechanica I	MOTIVE POWER	3100420	Carbon Blocks	310042003 4	Carbon Brush for TM- 4303AZ/ BY/CZ/DY	2
105	Mechanica I	QA MECH	3100473	High tensile Centre Buffer Coupler & its components for Freight stock	310047301 5	Striker Casting Wear Plate	2
106	Mechanica I	QA MECH	3100474	High tensile transition centre buffer coupler & its component for BG Wagons & Locomotives	310047401 8	Clevis pin with washer	2
107	Mechanica I	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	310022200 1	A-9 Auto Brake Valve (WABCO PC No. 564140 & WABCO Test spec No. T- 2559-0)	1
108	Mechanica I	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	310022200 2	SA-9 Ind. Brake Valve (WABCO PC No. 564141 & WABCO Test spec No. T- 2555-0)	1

109	Mechanica I	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	310022200 4	C-2W Relay valve with 5mm Choke (WABCO PC No. 579991 & WABCO Test spec No. T-3439-0)	1
110	Mechanica I	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	310022200 5	C-2W Relay Valve with 6mm Choke (WABCO PC No. 579991)	1
111	Mechanica I	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	310022200 6	F-1 Selector Valve (WABCO PC No. 557995 & WABCO Test spec No. T- 2428-0)	1
112	Mechanica I	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	310022200 7	MU-2B Valve (WABCO PC No. 564144 & WABCO Test spec No. T-2655-0)	1
113	Mechanica I	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	310022201 0	C3W Distributor Valve with Control Reservoirs (WABCO PC No. 1903971308)	1
114	Mechanica I	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	310022201 1	24A-Double Check Valve (WABCO PC No. 560504 & WABCO Test spec No. T- 2447-0)	1
115	Mechanica I	QA MECH	3100354	Constant Contact Side Bearer for rolling stock	310035400 4	Constant Contact Side Bearer for freight bogies	1
116	Mechanica I	MOTIVE POWER	3100420	Carbon Blocks	310042002 9	Carbon Brush for Eddy Current Clutch-EC- 9005/2/M	1

117	Mechanica I	MOTIVE POWER	3100200	Composition Brake Block for ALCO, HHP Diesel Locomotives & Electric Locomotives	310020000 2	'L' Type Composition Brake Block, ALCO & Electric Locomotives(For WDP1/WAG9 Locos)	0
118	S AND T	Signal	3100006	BPAC	310000600 3	Block Proving By Axle Counter (BPAC) using UFSBI (For double line and single Line)	4
119	S AND T	QA S&T	3100011	Relay Contacts - SIG- (For Q series plug-in type relays only)	310001100 1	Relay Contacts-SIG (For Q series plug-in type relays only)	4
120	S AND T	QA S&T	3100014	Inverter For Railway Signaling Installations For On- Line Applications	310001400 1	Inverter For Railway Signaling Installations For On- Line Applications	4
121	S AND T	QA S&T	3100060	DC-DC Converter For Railway S&T Instalations	310006000 1	DC-DC Converter For Railway S&T Instalations	4
122	S AND T	QA S&T	3100090	Battery operated LED Based Flashing Tail Lamp for Railway Vehicles	310009000 1	Battery operated LED Based Flashing Tail Lamp for Railway Vehicles	4
123	S AND T	QA S&T	3100092	Non Deteriorating Type of Low Voltage Electric Fuses For Railway Signalling	310009200 1	Non Deteriorating Type of Low Voltage Electric Fuses For Railway Signalling	4
124	S AND T	QA S&T	3100105	INSULATION FOR TC	310010500 1	Nylon Insulated Joints	4

125	S AND T	QA S&T	3100143	mechanical signalling items (Recommended list)	310014300 3	Clamp Lock for IRS Type Point Machine	4
126	S AND T	QA S&T	3100143	mechanical signalling items (Recommended list)	310014300 4	Cranks all types	4
127	S AND T	QA S&T	3100148	Single line Block instrument (token less)	310014800 2	Single Line Tokenless Block Instrument Handle type	4
128	S AND T	QA S&T	3100155	Block Bell Equipment	310015500 2	DTMF Based Block Bell And Telephone Equipment	4
129	S AND T	QA S&T	3100156	SITEL Primary Cells (Dry, Lachlanche Type) For Railway S&T Installations	310015600 1	SITEL Primary Cells (Dry, Lachlanche Type) For Railway S&T Installations	4
130	S AND T	QA S&T	3100169	Electric Point & Lock Detector	310016900 1	Electric Point & Lock Detector	4
131	S AND T	QA S&T	3100171	COLOR LIGHT SIGNAL UNIT/HOUSING	310017100 4	Non-Metallic Colour Light Signal Housings of Various Types for Railway Signalling	4
132	S AND T	Signal	3100237	Data logger system for Railway S&T Installations	310023700 1	Data logger system for Railway S&T Installations	4
133	S AND T	Signal	3100241	Audio Frequency Track Circuit	310024100 1	Audio Frequency Track Circuit	4
134	S AND T	QA S&T	3100244	TRANSFORMER 230/110 V 1KVA to 5KVA	310024400 4	TRANSFORMER 230/110 V : Upto 5 KVA	4

135	S AND T	Signal	3100268	DIGITAL AXLE COUNTER	310026800 1	Single Section Digital Axle Counter	4
136	S AND T	QA S&T	3100313	BATTERY CHARGER FOR S&T	310031300 3	Battery Charger For Railway S&T Installations : Upto 50 Amp	4
137	S AND T	QA S&T	3100348	MAGNETO TELEPHONE	310034800 2	Desk Type Electronic Magneto Telephone	4
138	S AND T	QA S&T	3100368	Ferro Resonant Type Automatic AC Voltage Regulator For Railway signalling Installations	310036800 1	Ferro Resonant Type Automatic AC Voltage Regulator For Railway signalling Installations : Upto 3 KVA	4
139	S AND T	QA S&T	3100385	RELAYS (METAL TO CARBON)	310038500 8	RELAYS - Miniature, Plug in Type, M to C, DC Neutral, Line Relay, 1000 Ohm, Non ACI, Style QS-3, 4F-4B Contact, 12 V DC, Code CDEKX	4
140	S AND T	QA S&T	3100385	RELAYS (METAL TO CARBON)	310038501 1	RELAYS - Miniature, Plug in Type, M to C, Twin, DC Neutral, Line relay ACI, Style QNNA1, 24 V DC, 6F-2B & 6F-2B /4F-4B & 4F-4B Contact, Code CDEHX/ACDHJ	4

141	S AND T	QA S&T	3100008	Filter Unit for Use in Conjunction With Block Instrument In 25kv, 50 Hz, Ac Traction Areas	310000800 1	Filter Unit for Use in Conjunction With Block Instrument In 25kv, 50 Hz, Ac Traction Areas	3
142	S AND T	Signal	3100017	Power supply arrangements for level crossing gate/intermediate block working/intermediate relay hut	310001700 1	Power supply arrangements for level crossing gate/intermediate block working/intermediate relay hut	3
143	S AND T	QA S&T	3100038	4 Wire / 2 Wire Train Traffic Control Equipment with Dual Tone Multi Frequency ( DTMF ) Signalling	310003800 1	4 Wire/2 Wire Train Traffic Control Equipment with Dual Tone Multi Frequency(DTMF)Signalling	3
144	S AND T	QA S&T	3100095	120/160/200 Way TAG Blocks For Signalling Installations	310009500 1	120/160/200 Way TAG Blocks For Signalling Installations	3
145	S AND T	QA S&T	3100111	Universal Wayside DTMF Control Telephone	310011100 1	Universal Wayside DTMF Control Telephone	3
146	S AND T	QA S&T	3100112	Portable control telephone	310011200 2	4-Wire/2 Wire Portable Control Telephone	3
147	S AND T	QA S&T	3100115	Way station control telephone	310011500 2	4 Wire Way Station Control Telephone	3

148	S AND T	QA S&T	3100135	Voice Frequency Communication System For Underground Quad cable	3100135001	Voice Frequency Communication System For Underground Quad cable	3
149	S AND T	QA S&T	3100137	Primary Digital Multiplexing Equipment	3100137001	Primary Digital Multiplexing Equipment	3
150	S AND T	QA S&T	3100143	mechanical signalling items (Recommdoned list)	3100143009	Lock Bar Clip (90R, 52 Kg, 60 Kg )	3
151	S AND T	QA S&T	3100143	mechanical signalling items (Recommdoned list)	3100143010	RODDING COMPENSATOR	3
152	S AND T	QA S&T	3100155	Block Bell Equipment	3100155001	Block Bell Equipment Used In 25KV AC Electrified Area	3
153	S AND T	Signal	3100234	Train Collision Avoidance System (TCAS)	3100234001	Train Collision Avoidance System (TCAS)	3
154	S AND T	QA S&T	3100313	BATTERY CHARGER FOR S&T	3100313008	Transformer-Rectifier Set For Railway S&T Installations	3
155	S AND T	QA S&T	3100314	POWER SUPPLY FOR TELECOM	3100314001	Power Supply Unit (PSU)For Telecom Installations At Way Side Stations In 25 KV Electrified Areas	3



156	S AND T	QA S&T	3100343	V.F. TRANSFORMERS	310034300 1	Two/Three V.F Transformers (2T/3T) For Derivationand Termination Of Underground Telecom Cable Circuit	3
157	S AND T	QA S&T	3100343	V.F. TRANSFORMERS	310034300 2	V.F. And Signalling Transformers Used For Derivation And Termination Of Underground Telecommunication Cable Circuits	3
158	S AND T	QA S&T	3100348	MAGNETO TELEPHONE	310034800 1	Magneto Telephone	3
159	S AND T	QA S&T	3100368	Ferro Resonant Type Automatic AC Voltage Regulator For Railway signalling Installations	310036800 3	Ferro Resonant Type Automatic AC Voltage Regulator For Railway signalling Installations : 3 to 5 KVA	3
160	S AND T	QA S&T	3100437	RELAYS (METAL TO METAL)	310043700 1	Relays -DC Neutral Line Relay, ACI, 60 V DC (Metal to Metal Contact)	3
161	S AND T	QA S&T	3100437	RELAYS (METAL TO METAL)	310043700 3	Relays -DC Neutral Line Relay, Non ACI, 60 V DC (Metal to Metal Contact)	3

162	S AND T	QA S&T	3100437	RELAYS (METAL TO METAL)	310043700 7	Relays - Mech. Interlocked Relay, 60V (Metal to Metal)	3
163	S AND T	Signal	3100006	BPAC	310000600 2	SSBPAC (DIGITAL) For Double Line and Single Line	2
164	S AND T	QA S&T	3100057	Relays 3-Position DC Polarized, 3 PPR, 77 Ohm (Metal to Metal)	310005700 1	Relays 3-Position DC Polarized, 3 PPR, 77 Ohm (Metal to Metal)	2
165	S AND T	QA S&T	3100066	Fail Safe Electronic Time Delay Device For Railway Signalling (FSETTD)	310006600 2	Fail Safe Electronic Time Delay Device For Railway Signalling : Non-Micro Controller Based(For 60V, 10/20/30/60/120 Sec)	2
166	S AND T	QA S&T	3100070	Track Feed Resistance (Porcelain Base, Phenolic, Moulding Base) 7.5 Ohm, 15 Ohm, 30 Ohm	310007000 1	Track Feed Resistance (Porcelain Base, Phenolic, Moulding Base) 7.5 Ohm, 15 Ohm, 30 Ohm	2
167	S AND T	QA S&T	3100115	Way station control telephone	310011500 1	2 Wire Way Station Control Telephone	2
168	S AND T	QA S&T	3100124	Desk Type 2 Wire, 12 Way DTMF Telephone	310012400 1	Desk Type 2 Wire, 12 Way DTMF Telephone	2
169	S AND T	QA S&T	3100134	Six Pin Emergency Plug And Socket	310013400 1	Six Pin Emergency Plug And Socket	2

170	S AND T	QA S&T	3100165	Circuit Controller (Modified Design) Lever and Arm, DW Lever Circuit Controller (Rotary Type)	310016500 1	Circuit Controller (Modified Design) Lever and Arm, DW Lever Circuit Controller (Rotary Type)	2
171	S AND T	Signal	3100188	FOG PILOT ASSISTANCE SYSTEM for SAFETY (FOG PASS)	310018800 1	FOG PILOT ASSISTANCE SYSTEM for SAFETY (FOG PASS)	2
172	S AND T	Signal	3100219	Automatic Fire Detection & Alarm System for Signalling installations (AFDAS)	310021900 1	Automatic Fire Detection & Alarm System for Signalling installations (AFDAS)	2
173	S AND T	Signal	3100245	Universal Fail safe Block Interface	310024500 1	Universal Fail safe Block Interface	2
174	S AND T	Signal	3100260	Advanced Auxiliary Warning System (AAWS)	310026000 1	Advanced Auxiliary Warning System (AAWS)	2
175	S AND T	Signal	3100268	DIGITAL AXLE COUNTER	310026800 2	High Availability Single Section Digital Axle Counter	2
176	S AND T	Signal	3100284	electronic interlocking	310028400 2	Electronic Interlocking for big yards	2

177	S AND T	QA S&T	3100314	POWER SUPPLY FOR TELECOM	3100314004	SMPS Based Power Plant For Indian Railways Telecom Equipments: (SMPS power Plant 48V/25A, in N+1 configuration with ultimate expandable capacity 150Amp suitable for VRLA	2
178	S AND T	QA S&T	3100314	POWER SUPPLY FOR TELECOM	3100314008	SMPS Based Power Plant For Indian Railways Telecom Equipments: SMPS power Plant 48V/50A in (n+2) Configuration with Ultimate capacity of 800 Amp suitable for VRLA and Conventional batteries	2
179	S AND T	QA S&T	3100332	TELECOM JOINTING KITS	3100332001	Thermo Shrink Jointing Kit For Jointing Underground Quad Cable (0.9 mm Conductor Dia.)	2
180	S AND T	QA S&T	3100332	TELECOM JOINTING KITS	3100332002	Thermo Shrink Jointing Kit For Jointing Underground PIJF Cable	2

181	S AND T	QA S&T	3100368	Ferro Resonant Type Automatic AC Voltage Regulator For Railway signalling Installations	310036800 2	Ferro Resonant Type Automatic AC Voltage Regulator For Railway signalling Installations : Upto 5 KVA	2
182	S AND T	QA S&T	3100385	RELAYS (METAL TO CARBON)	310038501 4	RELAYS - Miniature, Plug in Type, M to C, AC Immunized, DC Biased Track Relay, 2F-2B Contact, Style QBAT-9ohm, Code ABEJX	2
183	S AND T	QA S&T	3100385	RELAYS (METAL TO CARBON)	310038501 7	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	2
184	S AND T	QA S&T	3100385	RELAYS (METAL TO CARBON)	310038502 1	RELAYS - Miniature, Plug in Type, M to C, Twin, DC Neutral, Line relay, NON ACI Style QNN1 50V, 6F-2B & 6F-2B /4F-4B & 4F-4B Contact, Code CDEFK/CFGHJ	2
185	S AND T	QA S&T	3100437	RELAYS (METAL TO METAL)	310043700 8	Relay - 110V AC LED ECR for LED Signal Lamp : Metal to Metal	2

186	S AND T	QA S&T	3100437	RELAYS (METAL TO METAL)	310043700 9	RELAYS : Point contactor unit	2
187	S AND T	Signal	3100006	BPAC	310000600 1	Axle Counter Based (Block Proving by MUX, UAC)	1
188	S AND T	QA S&T	3100033	Single Line Neales Ball Token Type A	310003300 1	Single Line Neale's Ball Token, Type A	1
189	S AND T	QA S&T	3100039	Emergency Control Room Equipment	310003900 1	Emergency Control Room Equipment	1
190	S AND T	QA S&T	3100148	Single line Block instrument (token less)	310014800 1	Push Button Type Single Line tokenless Block Instrument	1
191	S AND T	QA S&T	3100148	Single line Block instrument (token less)	310014800 3	Push Button TLBI with UFSBI	1
192	S AND T	QA S&T	3100313	BATTERY CHARGER FOR S&T	310031300 4	Battery Charger For Railway S&T Installations : 51 to 100 Amp	1
193	S AND T	QA S&T	3100313	BATTERY CHARGER FOR S&T	310031300 5	Battery Charger For Railway S&T Installations : Up to 80 Amp	1
194	S AND T	QA S&T	3100313	BATTERY CHARGER FOR S&T	310031300 7	Valve Regulated (Sealed) Lead Acid Stationary Battery Charger for Railway S&T Installations	1

195	S AND T	QA S&T	3100314	POWER SUPPLY FOR TELECOM	3100314003	SMPS Based Power Plant For Indian Railways Telecom Equipments: (SMPS power Plant 48V/12.5A in (n+2) configuration with ultimate capacity of 50 Amp. for both VRLA and LMLA Batteries)	1
196	S AND T	QA S&T	3100314	POWER SUPPLY FOR TELECOM	3100314005	SMPS Based Power Plant For Indian Railways Telecom Equipments: (SMPS power Plant 48V/25A, with N+1 configuration ultimate capacity of 150 Amp Suitable, For both VRLA & LMLA Batteries)	1
197	S AND T	QA S&T	3100314	POWER SUPPLY FOR TELECOM	3100314006	SMPS Based Power Plant For Indian Railways Telecom Equipments: SMPS power Plant 48V/25A in (n+1) Configuration with Ultimate capacity of 50 Amp suitable for VRLA	1

198	S AND T	QA S&T	3100314	POWER SUPPLY FOR TELECOM	3100314007	SMPS Based Power Plant For Indian Railways Telecom Equipments: SMPS power Plant 48V/50A in (n+1) Configuration with Ultimate capacity of 800 Amp suitable for VRLA and Conventional batteries	1
199	S AND T	QA S&T	3100314	POWER SUPPLY FOR TELECOM	3100314010	SMPS Based Power Plant For Indian Railways Telecom Equipment: SMPS power Plant 48V/12.5A in (n+2) Configuration with Ultimate capacity of 25 Amp suitable for VRLA as well as conventional batteries	1
200	S AND T	QA S&T	3100346	Auto Dialling System For Emergency Socket	3100346001	Auto Dialling System For Emergency Socket	1
201	S AND T	QA S&T	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	1



202	S AND T	QA S&T	3100385	RELAYS (METAL TO CARBON)	310038501 5	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	1
203	S AND T	QA S&T	3100437	RELAYS (METAL TO METAL)	310043700 2	Relays -DC Neutral Line Relay, Non ACI, 24V DC (Metal to Metal Contact)	1
204	S AND T	QA S&T	3100437	RELAYS (METAL TO METAL)	310043700 4	Relays : Special Type, WKR2 (Metal to Metal)	1
205	S AND T	QA S&T	3100437	RELAYS (METAL TO METAL)	310043700 5	Relays - Special Type, Double wound DC Neutral Line Relay (Metal to Metal)	1
206	S AND T	QA S&T	3100437	RELAYS (METAL TO METAL)	310043700 6	Relays - Mech. Interlocked Relay, 24V (Metal to Metal)	1
207	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	310023000 1	Key Lock Checking Relay with D.C. Neutral Relay, (A.C. Immunised/ Non A.C Immunished) for Railway Signalling Purposes	0
208	S AND T	Signal	3100253	Domino Type Control Panel	310025300 1	Domino Type Control Panel	0