

Summary of Main items (IREPS UVAM portal) having less than three sources as on 30th June-2021								
SN	Dte	Total No. of Items	Total No. of Sources					
			Zero Sources	One Sources	Two Sources			
1	M&C	1	0	0	1			
2	ELECTRIC LOCO	7	0	3	4			
3	TI	25	9	5	11			
4	QAE	1	0	0	1			
5	TELECOM	9	7	1	1			
6	TD-II	1	0	1	0			
7	WAGON	3	0	2	1			
TOTAL		47	16	12	19			
						Annexure A		
SL.no	Approving Agency	Department	Sub Directorate	Item Id	Item Description	SubItem Id	SubItem Description	Vendor Count
1	RDSO	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

2	RDSO	Electrical	ELECTRIC LOCO	3100117	3 Phase Locomotive Traction Motor Bearing of TM type 6FXA7059	--	--	2
3	RDSO	Electrical	ELECTRIC LOCO	3100127	Brake System for 3-phase locomotives	--	--	2
4	RDSO	Electrical	ELECTRIC LOCO	3100226	Development of Functionality Equilent PCB Cards of GTO Based Converters and MICAS VCU in Three Phase Electric Locomotives	--	--	2
5	RDSO	Electrical	ELECTRIC LOCO	3100091	Axle Box Bearing For WAP5 Locomotives	--	--	1
6	RDSO	Electrical	ELECTRIC LOCO	3100131	EP Assisted brake system for 3- phase Electric locomotive application compatible with EP assisted brake system on coaches	--	--	1
7	RDSO	Electrical	ELECTRIC LOCO	3100231	Metallised Carbon Strips for pantograph with Auto dropping device	--	--	1
8	RDSO	Electrical	QAE	3100196	Cable Transit System with EPDM Rubber Modules	--	--	2
9	RDSO	Electrical	TI	3100034	25 kV Double Pole Vacuum Circuit Breaker	--	--	2

10	RDSO	Electrical	TI	3100086	Higher diameter (22.5 mm to 26 mm dia.) Continuous Cast Copper (CCC) Wire Rod (Manufactured by South Wire Process)	--	--	2
11	RDSO	Electrical	TI	3100142	25 kV Double Pole Vacuum Interrupters	--	--	2
12	RDSO	Electrical	TI	3100146	Shunt Capacitor	--	--	2
13	RDSO	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
14	RDSO	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
15	RDSO	Electrical	TI	3100383	Series Reactor for Capacitor Bank Low loss	--	--	2

16	RDSO	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
17	RDSO	Electrical	TI	3100395	Delta-I type high resistive fault selective relay for 25 kV AC single phase 50Hz traction system.	--	--	2
18	RDSO	Electrical	TI	3100399	Panto Flash Over Protection Relay for 26 kV AC single phase 50Hz traction system.	--	--	2
19	RDSO	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.	--	--	2
20	RDSO	Electrical	TI	3100176	Converter Oil	--	--	1
21	RDSO	Electrical	TI	3100206	30 / 42 MVA, 50 Hz, Single Phase, ONAN/ONAF, Traction Power Transformer (110/27 KV)	--	--	1

22	RDSO	Electrical	TI	3100208	25 kV Composite section Insulator (1050 mm CD)	--	--	1
23	RDSO	Electrical	TI	3100280	Series Capacitor	--	--	1
24	RDSO	Electrical	TI	3100445	Light Weight Section Insulators Assembly	--	--	1
25	RDSO	Electrical	TI	3100205	21.6 MVA, 132/2x27 kV 50 Hz, ONAN, Single Phase Traction Power Transformer	--	--	0
26	RDSO	Electrical	TI	3100499	66 kV Double Pole, Triple Pole, Outdoor SF6 Circuit Breaker for Indian Railways.	--	--	0
27	RDSO	Electrical	TI	3100501	8 MVA, 55/27.5 kV Auto Transformer	--	--	0
28	RDSO	Electrical	TI	3100502	12.3 MVA, 55/27.5 kV, Auto transformer	--	--	0
29	RDSO	Electrical	TI	3100503	16.5 MVA, 55/27.5 kV Auto Transformer	--	--	0
30	RDSO	Electrical	TI	3100505	38/53/63MVA,132kV/2X27.5kV Single Phase Traction Power Transformer	--	--	0
31	RDSO	Electrical	TI	3100506	60/84/100MVA, 132kV/2X55kV, Scott Connected Traction Power Transformer.	--	--	0
32	RDSO	Electrical	TI	3100508	Spring Auto tensioning device (Spring ATD)	--	--	0
33	RDSO	Electrical	TI	3100514	Modular Cantilever System	--	--	0

34	RDSO	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
35	RDSO	Mechanical	WAGON	3100364	Non-Asbestos K- type Composition Brake Blocks for freight stock (840mm wheel dia.)	--	--	1
36	RDSO	Mechanical	WAGON	3100453	Automatic Twist Lock (ATL)	--	--	1
37	RDSO	Mechanical	M&C	3100265	Portable Digital Ultrasonic Flaw Detectorwith A-Scan Storage	--	--	2
38	RDSO	S AND T	Telecom	3100497	SMPS BASED TELECOM INTEGRATED POWER SUPPLY SYSTEM FOR STATION (TIPSS)	--	--	2
39	RDSO	S AND T	Telecom	3100172	Voice Data Logger/ Monitor for Control Circuits	--	--	1
40	RDSO	S AND T	Telecom	3100083	IP Based Integrated Passenger Information Systems	--	--	0

SL.no	Approving Agency	Department	Sub Directorate	Item Id	Item Description	SubItem Id	SubItem Description	Vendor Count
1	RDSO	Electrical	QAE	3100123	Flexible Polymide Conduit with its end Fittings and Accessories	3100123015	Conduit NW 56	0
2	RDSO	Electrical	QAE	3100123	Flexible Polymide Conduit with its end Fittings and Accessories	3100123016	Conduit NW 70	0
3	RDSO	Electrical	QAE	3100123	Flexible Polymide Conduit with its end Fittings and Accessories	3100123017	Conduit NW 95	0
4	RDSO	Engineering	TMM	3100475	Small Track Machines for Track Maintenance (Items under Trial) (Part B)	3100475002	ERC Inserter & Extractor	2
5	RDSO	Engineering	TMM	3100475	Small Track Machines for Track Maintenance (Items under Trial) (Part B)	3100475003	Light Weight Abrasive Rail Cutter	0
6	RDSO	Engineering	TMM	3100475	Small Track Machines for Track Maintenance (Items under Trial) (Part B)	3100475004	Impact Wrench	0

7	RDSO	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 shot with Auto Tapping Thimble & SSC	1
8	RDSO	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 shot with Auto Tapping Thimble & SSC	0
9	RDSO	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 shot with Auto Tapping Thimble & SSC	0

10	RDSO	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
11	RDSO	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
12	RDSO	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

13							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
	RDSO	Engineering	Track Design II	3100494	Fusion welding of rails by Alumino Thermic Process	3100494019		
14	RDSO	Mechanical	M&C	3100323	Solid MIG/MAG Welding Filler Wire with Shielding gas	3100323003	Solid MIG/MAG Welding Filler wire, Class IV	2
15	RDSO	Mechanical	M&C	3100351	Flux cored MIG/MAG Welding Filler Wire with shielded gas	3100351004	Flux cored MIG/MAG Welding Filler Wire with shielded gas, Class VII	2
16	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420002	Carbon Brush for TM5002AZ/BW	2
17	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420003	Carbon Brush for TM7362(CGL)/ TM 7362A	2
18	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420004	Carbon Brush for TG10931AZ	2
19	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420005	Carbon Brush for TG5301BX	2
20	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420006	Carbon Brush for TG581/586A	2
21	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420009	Carbon Brush for AG-51, AG-2513, AG-2501	2

22	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420010	Carbon Brush for AG2702AZ	2
23	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420012	Carbon Brush for AG- 5GY27(GE)	2
24	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420014	Carbon Brush for Fuel Pump Motor	2
25	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420017	Carbon Brush for Crank Case Exhaster Motor ES-92 (ELGI)	2
26	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420019	Carbon Brush for Companion Alternator (CA-6)	2
27	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420020	Carbon Brush for DB Grid Motor	2
28	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420021	Carbon Brush for TM- GE-761	2
29	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420022	Carbon Brush for TG- 5GT-740PAI	2
30	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420027	Carbon Brush for DB Blower Motor-5GY90	2
31	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420028	Carbon Brush for DB Blower Motor-DY3423	2
32	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420031	Carbon Brush for TM253AZ	2
33	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420032	Carbon Brush for TG- 10919AZ	2

34	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420033	Carbon Brush for Hasler Speedometer	2
35	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420034	Carbon Brush for TM-4303AZ/ BY/CZ/DY	2
36	RDSO	Mechanical	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	3100222001	A-9 Auto Brake Valve (WABCO PC No. 564140 & WABCO Test spec No. T-2559-0)	1
37	RDSO	Mechanical	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	3100222002	SA-9 Ind. Brake Valve (WABCO PC No. 564141 & WABCO Test spec No. T-2555-0)	1
38	RDSO	Mechanical	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	3100222004	C-2W Relay valve with 5mm Choke (WABCO PC No. 579991 & WABCO Test spec No. T-3439-0)	1
39	RDSO	Mechanical	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	3100222005	C-2W Relay Valve with 6mm Choke (WABCO PC No. 579991)	1
40	RDSO	Mechanical	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	3100222006	F-1 Selector Valve (WABCO PC No. 557995 & WABCO Test spec No. T-2428-0)	1
41	RDSO	Mechanical	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	3100222007	MU-2B Valve (WABCO PC No. 564144 & WABCO Test spec No. T-2655-0)	1

42	RDSO	Mechanical	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	3100222010	C3W Distributor Valve with Control Reservoirs (WABCO PC No. 1903971308)	1
43	RDSO	Mechanical	MOTIVE POWER	3100222	Brake Equipments, ALCO & Electric Locomotives	3100222011	24A-Double Check Valve (WABCO PC No. 560504 & WABCO Test spec No. T-2447-0)	1
44	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420007	Carbon Brush for TG- 5GT586(GE)	1
45	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420013	Carbon Brush for Exciter Alternator 5G7A6A1(GE)	1
46	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420015	Carbon Brush for Fuel Pump Motor-ES- 117(ELGI)	1
47	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420016	Carbon Brush for Fuel Pump Motor 5BC76AB286(GE)	1
48	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420023	Carbon Brush for TG- GT740PBI (Canadian GE)	1
49	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420024	Carbon Brush for Exciter Auxiliary Generator(GM)	1
50	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420025	Carbon Brush for Crank Case Exhaster Motor	1
51	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420026	Carbon Brush for TM2141(CGL)	1
52	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420029	Carbon Brush for Eddy Current Clutch-EC- 9005/2/M	1

53	RDSO	Mechanical	MOTIVE POWER	3100420	Carbon Blocks	3100420030	Carbon Brush for Clutch Gear-5DGY32A1	1
54	RDSO	Mechanical	MOTIVE POWER	3100200	Composition Brake Block for ALCO, HHP Diesel Locomotives & Electric Locomotives	3100200001	'L' Type Composition Brake Block, ALCO & Electric Locomotives (For MG Locos)	0
55	RDSO	Mechanical	MOTIVE POWER	3100200	Composition Brake Block for ALCO, HHP Diesel Locomotives & Electric Locomotives	3100200002	'L' Type Composition Brake Block, ALCO & Electric Locomotives(For WDP1/WAG9 Locos)	0
56	RDSO	Mechanical	QA MECH	3100411	Cast Steel bogies and its components for CONCOR Flat Wagons	3100411005	End Piece & Strut Casting for Brake Beam	2
57	RDSO	Mechanical	QA MECH	3100473	High tensile Centre Buffer Coupler & its components for Freight stock	3100473015	Striker Casting Wear Plate	2
58	RDSO	Mechanical	QA MECH	3100474	High tensile transition centre buffer coupler & its component for BG Wagons & Locomotives	3100474018	Clevis pin with washer	2
59	RDSO	Mechanical	QA MECH	3100354	Constant Contact Side Bearer for rolling stock	3100354004	Constant Contact Side Bearer for freight bogies	1
60	RDSO	S AND T	QA S&T	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)	2

61	RDSO	S AND T	QA S&T	3100070	Track Feed Resistance (Porcelain Base, Phenolic, Moulding Base) 7.5 Ohm, 15 Ohm, 30 Ohm	3100070001	Track Feed Resistance (Porcelain Base, Phenolic, Moulding Base) 7.5 Ohm, 15 Ohm, 30 Ohm	2
62	RDSO	S AND T	QA S&T	3100115	Way station control telephone	3100115001	2 Wire Way Station Control Telephone	2
63	RDSO	S AND T	QA S&T	3100124	Desk Type 2 Wire, 12 Way DTMF Telephone	3100124001	Desk Type 2 Wire, 12 Way DTMF Telephone	2
64	RDSO	S AND T	QA S&T	3100134	Six Pin Emergency Plug And Socket	3100134001	Six Pin Emergency Plug And Socket	2
65	RDSO	S AND T	QA S&T	3100165	Circuit Controller (Modified Design) Lever and Arm, DW Lever Circuit Controller (Rotary Type)	3100165001	Circuit Controller (Modified Design) Lever and Arm, DW Lever Circuit Controller (Rotary Type)	2
66	RDSO	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

67	RDSO	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
68	RDSO	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
69	RDSO	S AND T	QA S&T	3100332	TELECOM JOINTING KITS	3100332002	Thermo Shrink Jointing Kit For Jointing Underground PIJF Cable	2
70	RDSO	S AND T	QA S&T	3100368	Ferro Resonant Type Automatic AC Voltage Regulator For Railway signalling Installations	3100368002	Ferro Resonant Type Automatic AC Voltage Regulator For Railway signalling Installations : Upto 5 KVA	2
71	RDSO	S AND T	QA S&T	3100385	RELAYS (METAL TO CARBON)	3100385014	RELAYS - Special Type, DC Biased, ACI, Track relay, 9 ohm, (Metal-to-Carbon) : QBAT	2

72	RDSO	S AND T	QA S&T	3100385	RELAYS (METAL TO CARBON)	3100385017	RELAYS - Special Type, Slow to Release, ACI (Metal-to-Carbon) : QSRA1	2
73	RDSO	S AND T	QA S&T	3100385	RELAYS (METAL TO CARBON)	3100385021	RELAYS - Special Type, Twin neutral, Non ACI relay (Metal-to-Carbon) : QNN1, 50 V	2
74	RDSO	S AND T	QA S&T	3100437	RELAYS (METAL TO METAL)	3100437008	Relay - 110V AC LED ECR for LED Signal Lamp : Metal to Metal	2
75	RDSO	S AND T	QA S&T	3100437	RELAYS (METAL TO METAL)	3100437009	RELAYS : Point contactor unit	2
76	RDSO	S AND T	QA S&T	3100033	Single Line Neales Ball Token Type A	3100033001	Single Line Neale's Ball Token, Type A	1
77	RDSO	S AND T	QA S&T	3100039	Emergency Control Room Equipment	3100039001	Emergency Control Room Equipment	1
78	RDSO	S AND T	QA S&T	3100066	Fail Safe Electronic Time Delay Device For Railway Signalling (FSETTD)	3100066002	Fail Safe Electronic Time Delay Device For Railway Signalling : Non-Micro Controller Based(For 60V, 10/20/30/60/120 Sec)	1
79	RDSO	S AND T	QA S&T	3100148	Single line Block instrument (token less)	3100148001	Push Button Type Single Line tokenless Block Instrument	1
80	RDSO	S AND T	QA S&T	3100148	Single line Block instrument (token less)	3100148003	Push Button TLBI with UFSBI	1

81	RDSO	S AND T	QA S&T	3100313	BATTERY CHARGER FOR S&T	3100313004	Battery Charger For Railway S&T Installations : 51 to 100 Amp	1
82	RDSO	S AND T	QA S&T	3100313	BATTERY CHARGER FOR S&T	3100313005	Battery Charger For Railway S&T Installations : Up to 80 Amp	1
83	RDSO	S AND T	QA S&T	3100313	BATTERY CHARGER FOR S&T	3100313007	Valve Regulated (Sealed) Lead Acid Stationary Battery Charger for Railway S&T Installations	1
84	RDSO	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

85	RDSO	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
86	RDSO	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
87	RDSO	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

88	RDSO	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
89	RDSO	S AND T	QA S&T	3100346	Auto Dialling System For Emergency Socket	3100346001	Auto Dialling System For Emergency Socket	1
90	RDSO	S AND T	QA S&T	3100385	RELAYS (METAL TO CARBON)	3100385009	RELAYS - Special Type, Thermal relay, (Metal-to-Carbon) : QCJ1	1
91	RDSO	S AND T	QA S&T	3100385	RELAYS (METAL TO CARBON)	3100385015	RELAYS - Special Type, DC Biased Relay, 12V, (Metal-to-Carbon) : QB3	1
92	RDSO	S AND T	QA S&T	3100437	RELAYS (METAL TO METAL)	3100437002	Relays -DC Neutral Line Relay, Non ACI, 24V DC (Metal to Metal Contact)	1
93	RDSO	S AND T	QA S&T	3100437	RELAYS (METAL TO METAL)	3100437004	Relays : Special Type, WKR2 (Metal to Metal)	1
94	RDSO	S AND T	QA S&T	3100437	RELAYS (METAL TO METAL)	3100437005	Relays - Special Type, Double wound DC Neutral Line Relay (Metal to Metal)	1
95	RDSO	S AND T	QA S&T	3100437	RELAYS (METAL TO METAL)	3100437006	Relays - Mech. Interlocked Relay, 24V	1

							(Metal to Metal)	
96	RDSO	S AND T	Signal	3100006	BPAC	3100006002	SSBPAC (DIGITAL) For Double Line and Single Line	2
97	RDSO	S AND T	Signal	3100017	Power supply arrangements for level crossing gate/intermediate block working/intermediate relay hut	3100017001	Power supply arrangements for level crossing gate/intermediate block working/intermediate relay hut	2
98	RDSO	S AND T	Signal	3100188	FOG PILOT ASSISTANCE SYSTEM for SAFETY (FOG PASS)	3100188001	FOG PILOT ASSISTANCE SYSTEM for SAFETY (FOG PASS)	2
99	RDSO	S AND T	Signal	3100219	Automatic Fire Detection & Alarm System for Signalling installations (AFDAS)	3100219001	Automatic Fire Detection & Alarm System for Signalling installations (AFDAS)	2
100	RDSO	S AND T	Signal	3100245	Universal Fail safe Block Interface	3100245001	Universal Fail safe Block Interface	2
101	RDSO	S AND T	Signal	3100260	Advanced Auxiliary Warning System (AAWS)	3100260001	Advanced Auxiliary Warning System (AAWS)	2
102	RDSO	S AND T	Signal	3100268	DIGITAL AXLE COUNTER	3100268002	High Availability Single Section Digital Axle Counter	2
103	RDSO	S AND T	Signal	3100284	electronic interlocking	3100284002	Electronic Interlocking for big yards	2

104	RDSO	S AND T	Signal	3100006	BPAC	3100006001	Axle Counter Based (Block Proving by MUX, UAC)	1
105	RDSO	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	0
106	RDSO	S AND T	Signal	3100253	Domino Type Control Panel	3100253001	Domino Type Control Panel	0