

**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 as on October 2020		
SN	Directorate	No of Items
1	Carriage	1
2	Electrical	7
3	Energy & Env. Mgt.	2
4	M&C	3
5	MP	8
6	QA/Mech	1
7	QA/Elec	5
8	QA/S&T	12
9	Telecom	5
10	TI	19
11	Signal	10
12	Track Design	2
13	Wagon	2
	Total	77

.No	Item Description	Directorate	No. of Vendors	Specs/STRs;/Drg.
1	Reconditioning of cupped Welded Joint	Track Design II	1	RDSO GUIDE LINES FOR INFRASTRUCTURAL MANUFACTURING, WORK EXECUTION, TESTING AND QUALITY CONTROL REQUIREMENT FOR MICRO FLOW SPRAY POWDER FOR RECONDITIONING OF SCAB, WHEEL BURNS OF RAILS AND CUPPED A.T WELD JOINTS (R&D PROJECTS) STR: MC-G-7.1-1112 Ver.2
2	Reconditioning of Wheel burns/scabs	Track Design II	1	RDSO GUIDE LINES FOR INFRASTRUCTURAL MANUFACTURING, WORK EXECUTION, TESTING AND QUALITY CONTROL REQUIREMENT FOR MICRO FLOW SPRAY POWDER FOR RECONDITIONING OF SCAB, WHEEL BURNS OF RAILS AND CUPPED A.T WELD JOINTS (R&D PROJECTS) STR: MC-G-7.1-1112 Ver.2
3	Brake System for 3-phase locomotives	Electric loco	2	For WAP-5, CLW/MS/10/031 Alt. 9 or latest For WAG-9 Co-Co, CLW/MS/3/001 Alt .16 or latest STR No. RDSO/2011/EL/ST R/0 076 Rev.1
4	Metallised Carbon Strips for pantograph with Auto dropping device.	Electric loco	1	Specification no. RDSO/2014/EL/ SPEC/ 0114 Rev.'0'
5	EP Assisted brake system for 3-phase Electric locomotive application compatible with EP assisted brake system on coaches	Electric loco	1	Specification no. RDSO/EL/SPEC/2 018/0 138 Rev '0'
6	3 Phase Locomotive Traction Motor Bearing for TM type 6FXA7059	Electric loco	2	Specification no. RDSO/EL/FRS/BEARING/0011-2015, Rev.0
7	Development of functionally equivalent cards of GTO based Convertors and MICAS VCU of 3 Phase Electric Locomotive	Electric loco	1	STR No. RDSO/2018/E L/ STR/0091, Rev-0 Specification No. RDSO/2018/EI/ SPEC/ 0139 Rev 0
8	Axle Box Bearing For WAP5 Locomotives	Electric loco	1	ABB Drawing:TBU-150
9	a. Main Gear bearing for Aluminium Gear Case of WAP5 b. Intermediate Gear bearing for Aluminium Gear Case of WAP5 c. Pinion bearing for Aluminium gear case of WAP-5	Electric loco	2	Drawings: a. L 558548 – L 558510 b. M 432148A – M 432111 c. 798-792
10	Cable Transit System with EPDM Rubber Modules	QA(Electrical)	2	Specification no. RDSO/2008/EL/SP EC/0 067 (Rev '2') of January 2015
11	54 MVA, 220/2x27 kV, 50 Hz, ONAN, Scott Connected Traction Power Transformer	QA(Electrical)	1	ETI/PSI/124 (07/1995) with A&C Slip No.1 (Oct. 2016)
12	Post Insulator Cap & Pin Stack for 132kV Isolator	QA(Electrical)	1	Specification no. IS:2544-1973
13	11kV, 70 kN, (Ball &Socket type) Disc	QA(Electrical)	2	Specification no. IS:731-1971

	Insulator – 280 mm dia, CD-430mm(min.)			
14	11kV, 120kN (Ball & Socket) Disc Insulator with 280mm dia CD 430mm(min.)	QA(Electrical)	2	Specification no. IS:731-1971
15	Passenger Elevator	Energy & Env. Mgt.	0	RDSO/2013/EM/S PEC/ 0016 (Rev '1')-2019
16	Passenger Escalator	Energy & Env. Mgt.	0	RDSO/PE/SPEC/T L/009 5 (Rev '3')- 2019
17	30 / 42 MVA, 50 Hz, Single Phase, ONAN/ONAF Traction Power Transformer (220/27 KV)	TI	1	Specification no. TI/SPC/PSI/30TRN/2070 with A & C Slip No.1 (Oct, 2016)
18	30 / 42 MVA, 50 Hz, Single Phase, ONAN/ONAF, Traction Power Transformer (110/27 KV)	TI	1	Specification no. TI/SPC/PSI/30TRN/2070 with A & C Slip No.1 (Oct, 2016)
19	Converter Oil for 3 phase locomotives	TI	1	EC: 60296-2003 and CLW Spec.No. CLW/ES/3/0172(La test and RDSO requirement) and RDSO letter No. TI/PSI/TRNPWR/P OLICY/16/01 dated 28.10.2016.
20	220 kV SF6 Circuit Breaker (Double Pole & Triple Pole)	TI	2	Specification no. TI/SPC/PSI/HVCB/ 0120 (June,2014) Rev.0 with A&C Slip No.1& 2 (Oct. 2016)
21	Continuous Cast Copper (CCC) Wire Rod(Manufactured by South Wire Process) for manufacturing 193 mm2 joint less Hard Drawn Grooved Copper Contact Wire	TI	2	Specification no. ETI/OHE/65 (08/87) with A & C Slip No. 1 to 5. ETI/OHE/76 (06/97) with A & C Slip No. 1, 3, 4, 5, 6, 7, 8, 9 & 10.
22	Control & Relay Panel for 25 kV AC TSS including specification for Numerical type Protection Relays for Traction Transformer, 25 kV Shunt Capacitor Bank and Transmission line for 25 kV AC TSS on Indian Railways comprising following relays a. Over Current & Restricted Earth Fault Relay b. Differential Protection Relay c. Master Trip Relay d. Inter Trip Relay e. Voltage Operated Aux. Relay f. Numerical AC & DC Monitoring Relay g. Control & Relay Panel for Capacitor Bank h. Under / Over Voltage Protection Relays i. Over Current & Unbalance Current Relay	TI	2	Specification no. TI/SPC/PSI/PROT CT/6071 with A&C Slip No. 1
23	Microprocessor based Numerical Integrated	TI	2	TI/SPC/PSI/PROT CT/5070 (Rev.1) with A&C Slip No. 1

	Feeder Protection Module comprising DPR, OCR, WPC, PTFE & Auto Reclosure Relay for 25 kV AC Single phase 50 Hz Traction Substation			
24	Delta-I type high resistive fault selective relay for 25 kV AC single phase 50Hz traction system	TI	2	TI/SPC/PSI/PROT CT/1982 with A & C Slip No.1 & 2
25	Panto Flash Over Protection Relay for 25 kV AC single phase 50Hz traction system	TI	2	Specification no. TI/SPC/PSI/PROT CT/2983 with A&C Slip No. 1
26	Control & Relay Panel for protection system of Mumbai Sub-urban area for 50Hz AC Traction Power Supply System including Parallel Operation on 25 kV Side comprising following relays a. Integrated FeederProtection Relay b. Vectorial Delta-I Relay c.Panto Flashover Protection Relay d. Over Current & Restricted Earth Fault Transformer Protection Relay e.Transformers Differential Protection Relay f.Low Impedance Bus-Bar Differential Protection Relay g. High Impedance Bus-Bar Differential Protection Relay h. Definite Time Over Current Relay i. Synchronous Check Relay j.Reverse Power Protection Relay k. DC Monitoring / Supervision Relay	TI	2	Specification no. TI/SPC/PSI/P ROTCT/4050(10/2005) with A&C Slip No. 1
27	Series Reactor for Capacitor Bank Low loss	TI	2	Specification no. TI/SPC/PSI/FC&SR/010 0 with A&C Slip No. 1 (Oct 2016)
28	Light Weight Section Insulators Assembly	TI	1	Specification no. TI/SPC/OHE/LWTSI/00 60 (Rev.1) with A&C Slip No.1
29	25 kV Composite section Insulator (1050 mm CD)	TI	1	Specification no. TI/SPC/OHE/INSCOM/ 1071 (Rev-01)
30	21.6 MVA, 132/2x27 kV 50 Hz, ONAN, Single Phase Traction Power Transformer	TI	0	Specification no. ETI/PSI/123 (09/1993) with A & C Slip No. 1 (01/1994) & 2 (Oct. 2016)Specification no.
31	25 kV Double Pole Vacuum Circuit Breaker	TI	1	Specification no. TI/SPC/PSI/LVCBIN/ 0120 (Dec.2013) Version - 0 with A&C Slip No.1 (Oct. 2016)
32	25 kV Double Pole Vacuum Interrupters	TI	1	Specification no. TI/SPC/PSI/LVCBIN/ 0120 (Dec.2013) Version - 0 with A&C Slip No.1 (Oct. 2016)

33	Control and Relay Panel including Numerical type protection relays for Scottconnected/ Single Phase Traction Transformers, OHE protection and Shunt Capacitor Bank Protection for 2x25 kV Traction Substation comprising following relays a. Control and relay panel incorporating numerical type protective relays for 2x25 KV Shunt Capacitor Bank b.Numerical 3OC+REF Protection relay for HV side c. Numerical Transformer Differential Protection relay d.Numerical Over Current and REF relay for LV side e. Numerical Phase failure relay f. Numerical Under/Over Voltage protection relay g. Numerical OC + Current unbalance protection relay h.Master Trip Relay i. Inter Trip Relay j. Numerical AC & DC Monitoring Relay	TI	2	Specification no. TI/SPC/PSI/PROTCT /7100(07/2012) with A&C Slip No.1
34	Series Capacitor	TI	1	Specification no. ETI/PSI/127(08/1989) A&C SlipNo. 1 to 2
35	Shunt Capacitor	TI	1	Specification no. ETI/PSI/126(08/1989) A&C SlipNo. 1 to 3
36	Brake Slack adjusters and spares for Freight stock (i) Brake Slack adjusters Spec. No. 07-ABR-1992 with 5 Amendments –Last Amendment No. 5 of Sept. 2016; ii) Brake slack adjuster type IRSA-750 for freight stock & spares	QAM	1	i)Spec. No. 07-ABR-1992 with 5 Amendments – Last Amendment No. 5 of Sept. 2016;., Drg. No. WD-82064-S-01-RC Alt. 12, WD-90002-S-01-RC Alt. 02 ii) Spec. No. 19-ABR-07 with 3 Amendments: Last Amendment no. 3 issued in Sept. 2016, Drg. No. WD-93061-S-01 Alt. 01
37	Non-Asbestos K- type Composition Brake Blocks for freight stock (840mm wheel dia.)	Wagon	0	Spec. No.- WD-14-ABR-2019 & Drg. No.-WD-15023-S-01.
38	Automatic Twist Lock (ATL)	Wagon	1	RDSO document no. CONTR-01-MSG-ATL-2011 of Nov., 2011 and envelop drawing no. CONTR-9405-S/21 (Fitment of Automatic Twist Lock-Type Holland)
39	Higher Capacity Air Spring Assembly (160 KN) for LHB coaches having FIAT bogie	Carriage	1	RDSO STR No. RDSO/2017/CG-03, Rev. 1
40	Filter Element, Brake Panel, for EMD Locomotives	MP	2	NYAB Part No. 775925

41	Filter Element, Fibre Glass, ECC for EMD Locomotives	MP	2	EMD Part No. 8402068, DLW Part No. 17453057
42	Lube Oil and Fuel Oil Filter Elements & Filter Paper Media for ALCo Locos (A) Low Mean Pore Size Primary & Secondary Fuel Oil Filter Elements for Diesel Electric Locomotives (B) Low Mean Pore Size Primary & Secondary Fuel Oil Filter Elements for Diesel Electric Locomotives (C) Filter Paper Media for Long Life Lubricating Oil Filter Element for Locomotive Diesel Engines	MP	2	(A) RDSO Drg. No.: SKDP-3901, 3902, RDSO Spec. No. MP.0.2600-25 Rev. 00, Dec. 2008 (B) RDSO Drg. No.: SKDP-3908, 3909, RDSO Spec. No. MP.0.2600-25 Rev. 00, Dec. 2008 (C) RDSO Spec. No. MP.0.2600-15, Rev.04, Jan.07
43	Long Life Lubricating Oil Filter Element for Locomotive Diesel Engines	MP	2	RDSO Spec. No. MP.0.2600-15, Rev. 04, Jan. 2007
44	Brake equipments, ALCo & Electric Locomotives MP i. A-9 Auto brake valve ii. SA-9 Ind. Brake valve iii. C-2W relay valve with 5mm choke iv. C-2W relay valve with 6mm choke v. F-1 selector valve vi. MU-2B valve vii. C3W Distributor valve with control reservoirs viii. 24A-Double check valve	MP	1	WABCO PC No. & WABCO Test Spec No i. 564140, T-2559-0 ii. 564141, T-2555-0 iii. 579991, T-3439-0 iv. 579991 v. 557995, T-2428-0 vi. 564144, T-2655-0 vii. 1903971308 viii. 560504, T-2447-0
45	Water cooled Air Compressor for HHP Diesel Locomotives	MP	2	Specification No. MP-0.07.00.14 Rev. 00, June 07, Drawing No. SK.DP-3842 Alt-0
46	Centre Pivot Liners for Locomotives	MP	2	Drg. No. SK.DL-3255 (Alt.02), SK.VL-472 (Alt. 02), Spec. no. MP.0.40.99.02 (Rev. 02) August 2017, STR no. MP.STR.VL.04.09.11 (Rev.-00) Oct' 12.
47	Microprocessor controlled Air Brake System / Modular Microprocessor controlled Air Brake System with advanced features	MP	2	Spec. no. MP.0.01.00.20, Rev 03 August 2016 ,Spec. no. MP.0.01.00.24 Rev 02
48	Portable Digital Ultrasonic Flaw Detector with A-Scan Storage	M&C	2	Specification No. M&C/NDT/125/2004, Rev. II, Jan.2017, STR No. M&C/NDT/131/2009, Rev-1, June-2015
49	Solid MIG/MAG Welding Filler Wire, Class IV	M&C	2	Specification No. IRS M-46/2013 with amendment no. 01,STR No. MC/STR/W02-Rev-1,Drg. No. Nil
50	Fux cored MIG/MAG Welding Filler Wire with shielded gas, Class VII	M&C	2	Specification No. IRS M-46/2013 with Amendment no.1,STR No: MC/STR/W/02-Rev-1,Drg No. Nil
51	Neale's Type Ball Token Single Line (for Ball Token) Block	QA/S&T	1	Drg No. SA-20701& RDSO/SPN/114/91

	Instrument.			
52	Circuit Controller (Modified Design) Lever and Arm, DW Lever Circuit Controller (Rotary Type)	QA/S&T	2	Drg No.SA20245, 46,66,67, 76,77,86,87 Drg.No. SA-22401, 420, 430 & 440
53	Battery charger for S&T: (a) Charger for Valve Regulated (Sealed) Lead Acid Stationary Battery charger for Railway S & T Installation	QA/S&T	1	IRS:S-86/2000(Amd. 4)
54	Relay (Metal to Metal)	QA/S&T		
	(a) Relays- Point Contactor Unit	QA/S&T	2	IRS:S-46 & Firm's Spec
	(b) Relays- Metal to Metal 110V AC LED ECR for LED Signal Lamp	QA/S&T	2	IRS:S-46 & STS/E/Relays/AC Lit LED Signal/09-2002 Amdt.- 1
55	Relays- DC Polarized 3-Position Metal to Metal	QA/S&T	2	IRS:S-31/80 (Amd.1), S-23 & S-24
56	Track feed Resistance (Porcelain Base, Phenol Moulding base) 7.5 Ohm, 15 Ohm, 30 Ohm.	QA/S&T	2	Drg No. SA-20161- 66/M
57	Desk Type 2 Wire, 12 way DTMF Telephone	QA/S&T	2	IRS TC 80-2000 (Amendment No.1,2 & 3)
58	Emergency Control Room Equipment	QA/S&T	1	IRS TC:61-93 (Amd.1)
59	Way station control telephone: (a) 2-wire Way Station Control Telephone	QA/S&T	2	IRS TC 37-97 (Amd.1 & 2)
60	Auto Dialling System from Emergency Socket	QA/S&T	1	IRS:S-83/2007 Amd-1 & 2
61	Six Pin Emergency Plug And Socket	QA/S&T	2	IRS:TC 42-87, Amendment No. 1,2 &3
62	Telecom jointing kits:	QA/S&T		
	(a) Thermo Shrink jointing Kit for Jointing Underground Quad cable(0.9 mm Conductor Dia)	QA/S&T	2	IRS: TC 77-2012 (Rev.3) with Amnd. 1 to 3
	(b) Thermo Shrink jointing Kit for Jointing Underground PIJF Cable	QA/S&T	2	RDSO/SPN/TC/57/2015 (Rev.1) Amd-1
63	BPAC:	Signal		
	(a) SSBPAC (DIGITAL) For Double Line and Single Line	Signal	2	RDSO/SPN/175/2005 Ver.1
	(b) Axle Counter Based (Block Proving by MUX, UAC)	Signal	1	Drg No. S-32001(DL) & S-32010(SL)
64	Universal Fail-safe Block Interface	Signal	2	IRS:S-104/2012 Ver.'0'
65	Single line Block instrument (token less)	Signal		
	(a) Push Button Type Single Line Block Instrument	Signal	1	IRS: S-32-66
	(b) Push Button TLBI		1	IRS:S-104/2012 Ver.'0'

	with UFSBI			
66	FOGPASS	Signal	2	RDSO/SPN/201/2010 Version.2.0
67	Digital Axle Counter:			
	(a) High Availability Single Section Digital Axle Counter	Signal	2	RDSO/SPN/177/2012 (Ver.3)
68	Electronic interlocking (for big yards)	Signal	2	RDSO/SPN/203/2011 Ver.1.0
69	Advanced Auxiliary Warning System (AAWS)	Signal	2	RDSO/SPN/213/2014 Ver.1.0
70	Automatic Fire Detection & Alarm System for Signalling installations (AFDAS)	Signal	2	RDSO/SPN/217/2018 Ver.2.0
71	Domino type panel	Signal	0	RDSO/SPN/186/2004 Rev.2.0
72	AFTC (146/2001)	Signal	1	
73	Control Communication Equipment for OFC Using 2-Wire Telephones (CCEO)	Tele.	2	RDSO/SPN/TC/66/2007 (Amendment No, 3)
74	POWER SUPPLY FOR TELECOM: a) SMPS Based Telecom Integrated Power Supply System For Station (TIPSS)	Tele.	2	RDSO/SPN/TC/102-2013, Ver.1.0 Amendment No.1
75	Voice Data Logger/Monitor for Control Circuits	Tele.	1	RDSO/SPN/TC/38/2002 (Rev.1.1) Amdment No.-2
76	VHF Based Secured Station Communication Equipment (SSCE)	Tele.	1	RDSO/SPN/TC/73/2008, Rev.0.0 Amendment-1 & 2
77	LC gate Communication System:	Tele.		
	Level Crossing Gate Control Equipment, RDSO/SPN/TC/49/2003, (Item No. 21(B) of Vendor Directory Index)	Tele.	1	specification no. RDSO/SPN/TC/49/2020, ver. 1.0
	LC Gate Control and Monitoring System, RDSO/SPN/TC/49/2012, (Item No. 21(C) of Vendor Directory Index)	Tele.	1	specification no. RDSO/SPN/TC/49/2020, ver. 1.0