

SCHEDULE-A (SUPPLY PORTION				
S.No.	DESCRIPTION	UNIT	Qty.	Inspection Agency
1	Supply of Portable work station for Data input & configuration with necessary software/AutoCAD latest version programmes/Accessories, simulation and functional Testing, diagnostics and trouble shooting and commissioning of EI system. Suitable Table & Chair or reputed make shall be supplied by the contractor. The specifications of the PC / Laptop should be got approved from the Engineer in charge before supply. Note : Portable work station should strictly adhere to specification as per annexure-I.	Set	1	Consignee
2	Supply of Relay rack assembly complete with scaffolding, fixtures and accessories including MS Bars for fixing of relay plug board, string rods, fuse strips with bracket, 11 way Bus bars with cover and mounting brackets, runway for cable/wires, frame, base assembly etc. Siemens type & as per extant practice on C.Rly. Typical part list as per Annexure-II and Rack arrangement as per sketch no SK-727 and Rack plan as approved by Engineer in charge.	Set	4	Consignee
3	Supply of Main cable Termination rack complete with scaffolding, fixtures & accessories including square bars for mounting 8-way terminal blocs, ladder, string rods, frame, base assembly, insulators, J bolt , nut/bolts & fasteners, bakelite sheet, etc. Siemens type and as per extant practice of Central Railway. Typical part list as per Annexure-III and rack arrangement shall be as per sketch No.SK-727 with latest alterations.	Set	2	Consignee
4	Supply of Data logger for monitoring status of important relays, complete with processor Module to monitor following inputs as per spec. RDSO/SPN/99/2006 Spec. No: IRS:S-99/2006 (Amdt-3) with latest amendments including power supply of adequate capacity, battery and fault diagnostic software for failure analysis. Complete data logger & Processor Module (computer) as per Annexure-IV shall be placed in President rack of suitable size to be supplied. This also includes supply of one no composite computer & printer table (work station table-Godrej/Durian/Transtee) for keeping processor module and one no Godrej/Durian/Transtee make operator chair.			
i	1024 digital and 32 analog inputs.	Set	1	RDSO
5	Supply of PVC flexible copper cable single core, multistrand 1x10 Sq.mm (80 conductor each diameter 0.40 +/- 0.01) as per IS 694/2010. with latest amendment if any with insulation thickness of 1.0mm nominal conductor resistance 1.91 ohms/km and test parameters are as per IRS (S) 76/89	KM	0.5	RDSO

6	Supply of wire 16/0.2 (blue, red, gray, yellow, brown, black, white as per site engineer instruction) finolex/polycab/delton make. IRS:S-76/89 (Amd.3), BS: 4808 Part-2. Wire to be procured from RDSO approved vender.	KM	1	RDSO
7	Supply of low maintenance Lead Acid secondary cells 2V 80AH as per spec. IRS 88/2004 with latest amendments.	No	80	RDSO
8	Supply of QNA1 AC immunized relay, 8F-8B, 24 VDC along with plug, board, retaining clip and connectors conforming to BRS:931A, IRS:S60, IRS:S34 & IRS:S23	No	40	RDSO
9	Supply of QN1 Non AC immunized neutral relay, 8F-8B, 24 VDC along with plug, board, retaining clip and connectors conforming to BRS:930, IRS:S60, IRS:S34 & IRS:S23	No	40	RDSO
10	Supply of QN1 Non AC immunized neutral relay, 12F-4B, 24 VDC along with plug, board, retaining clip and connectors conforming to BRS:930, IRS:S60, IRS:S34 & IRS:S23	No	40	RDSO
11	Supply of QSPA1 relay, 24 V DC Slow to pick up, 8F- 4B along with plug, board, retaining clip and connectors conforming to BRS:933A, IRS:S60, IRS:S34 & IRS:S23	No	20	RDSO
12	Supply of QTA2 AC immunized track relay, 9 Ohm, 2F.1B, along with plug, board, retaining clip and connectors conforming to BRS:939A, 966 & Appendix F2, IRS:S34 & IRS:S23	No	20	RDSO
13	Supply of Universal LED Lamp proving relay QECX61 relay, 4F-4B, AC conforming to BRS:941A STS/E/RELAYS/ac LIT LED SIGNAL/09-2002, Amdt.-1 (FOR ALL ASPECT ECR FOR AC LED SIGNAL)	No	30	RDSO
14	Supply of QBCA1 AC immunized relay, 2FHD 4F-4B, 24VDC along with plug board, retaining clip and connectors conforming to BRS:943 POINT CONTACTOR RELAY. And IRS S46. & firms specification.	No	12	RDSO
15	Supply of QL1 LATCH relay, 11F-4B or 8F-6B along with plug board, retaining clip and connectors conforming to BRB:935A.	No	6	RDSO
16	Supply of Key Lock Relay working on 24V DC, AC immunized with different ward combinations (Three ward plates to be supplied with each relay). RDSO/SPN/219/2016 Version 1.0 d 1	No	5	RDSO
17	Supply of QNA1K relay 1000 ohm, 6F/6B 24V DC as per BRS :931A, IRS:S60, IRSS354 & IRS:S23 and RDSO Spec. STS/E/Relays/UEA (PI) dtd.30.05.1997 Annexure II	No	30	RDSO
18	Supply of Relay & plug board QN1 / 50V/ 8F-8B Metal to carbon DC neutral-BRS:930, IRS:S60, IRS:S34 & IRS:S23.	No	80	RDSO

19	Resin cored wire as per specification No.IS:1921-1975 with Alloying element percentage as 63% SN (Tin) nd / 37% pb (Lead) with percentage of various impurities not exceeding the values Sb (Antimony 0.2% maximum, Cu (Copper) 0.1% maximum, As (Arsenic) 0.05% maximum, Fe (Iron) 0.02% maximum & other impurities mainly Al, Zn & Cd shall be limited. The flux shall be free from corrosive action as per clause 5.2 & flux percentage may be used as per requirement.	Kgs	2	Consignee
20	Lacing thread rolls, black, wax coated (100 mtrs)	No	100	Consignee
21	Design, fabrication and supply of fuse Auto changeover system for 32 No's external non deteriorating type fuses or 'G' type fuses from 0.6A Amp to 4A Amp capacities used in signaling circuits. System shall have 8 cards with monitoring arrangement of 4 fuses in one card. As per RDSO spec. RDSO/SPN/209/2012 Ver.2.0 or latest amendment if any.	No. of Modules	5	RDSO
22	Supply of Main signals post 140 mm outer dia 5.6 Mtr Length as per spec No.IRS S 6/81 with latest amendments.	No	10	Consignee
23	Supply of Shunt signal post with Base (GI Pipe of 80 mm Dia of min. 1 meter length.)	No	4	Consignee
24	Supply of Cast Iron Main signal surface base 140mm as per spec No IRS: S-10 and Drg No 2011/M with latest amendments, with CLS Ladder assembly complete for CLS signal 5.5/4.5/3.5 mtrs long as per Rno. SA 23156 (Adv), SA 23153 (Adv) & SA 23150 (Adv) Alt.1 respectively with Latest Amendment as the case may be for CLS unit & signal back staging as per extent C.Rly practice.	No	10	Consignee
25	Supply of Signal No.Plates. As per Drg No RST-11393/ SK-842	No	14	Consignee
26	OFF set bracket 5-1/2" to suit 140 mm dia CLS Post with two no. of "U" Bolts with nut & washer complete as per RDSO Drg No SA-23080 for signals & Routes.	No	2	Consignee
27	OFF set bracket 3-1/2" for signals & Routes. Drawing No.SA23840(Adv) Alt-2 as per extent C.Rly practice.	No	6	Consignee
28	Supply of A/AG/C/P/G/IB Board as per Drg. RST-11444/1(A), RDSO Drg No SA-23460(AG), SA-23461(C) , RST-11445, SA 23456(P), SA 232477(G) & SA 23476-77 (IB) as applicable respectively with Latest Amendment.	No	10	Consignee
29	Supply of Stop Board / IB Board as per RST-11791 (STOP BOARD)/ RDSO Drg No 7235/B as per extent C.Rly practice.	No	5	Consignee
30	Supply of different warning Board as per Goods warning Board (SK-784) RDSO Drg No. SA 2380 (Adv), SA 2370/M-, Block section limit Board RDSO Drg No. SA 2373 - Paint and retro reflective arrangement as per Railways drawing.	No	5	Consignee
31				

32	Supply of "2 aspect" Signal Unit in FRP body without lenses and transformers as per RDSO Specification RDSO/SPN/194/2006/Rev.2.0 or latest complete and to suit LED signal Lamps and suitable for 140 mm dia post saves pigment finish on the back side of the and inside. white pigment finish inside the 2 aspect unit to avoid any extra paint cost	No	4	Consignee
33	Supply of "3 aspect" Signal Unit in FRP body without lenses and transformers as per RDSO Specification RDSO/SPN/194/2006/Rev.2.0 or latest complete and to suit LED signal Lamps and suitable for 140 mm dia post saves pigment finish on the back side of the and inside. white pigment finish inside the 4 aspect unit to avoid any extra paint cost	No	2	Consignee
34	Supply of "4 aspect" Signal Unit in FRP body without lenses and transformers as per RDSO Specification RDSO/SPN/194/2006/Rev.2.0 or latest complete and to suit LED signal Lamps and suitable for 140 mm dia post saves pigment finish on the back side of the and inside. white pigment finish inside the 4 aspect unit to avoid any extra paint cost	No	2	Consignee
35	Supply of Shunt Signal Position Light Type FRP complete as per RDSO Specification RDSO/SPN/194/2006/Rev.2.0 or latest with Off set bracket 3-1/2" to be fitted on 140 mm post drawing No.SA23840(Adv) Alt-2 for dependent type complete with signal unit bracket, terminals etc without lenses, lamp, lamp holder, and to suit LED signal lamps.	No	10	Consignee
36	Supply of 1 way junction Route Indicator in FRP body without lenses and transformers as per RDSO Specification RDSO/SPN/194/2006/Rev. 2.0 or latest complete and to suit LED signal Lamps	No	1	Consignee
37	Supply of 2 way junction Route Indicator in FRP body without lenses and transformers as per RDSO Specification RDSO/SPN/194/2006/Rev. 2.0 or latest complete and to suit LED signal Lamps	No	1	Consignee
38	Supply of 3 way junction Route Indicator in FRP body without lenses and transformers as per RDSO Specification RDSO/SPN/194/2006/Rev. 2.0 or latest complete and to suit LED signal Lamps	No	1	Consignee
39	Supply of 4 way junction Route Indicator in FRP body without lenses and transformers as per RDSO Specification RDSO/SPN/194/2006/Rev. 2.0 or latest complete and to suit LED signal Lamps	No	1	Consignee
40	Supply of "Calling On" Signal Unit in FRP body without lenses and transformers as per RDSO Specification RDSO/SPN/194/2006/Rev. 2.0 or latest complete and to suit LED signal Lamps	No	2	Consignee
41	Supply and Fixing of RE Protective Screens of expanded metal 12 SWG of size 1200 x 1500 mm on signals as per extent practice & as per instruction of Rly engineer at site	No	5	Consignee

42	Supply of Phenolic 10mm thick sheet, grade P3 in standard size of 1.22x1.22 Mtr as per spec. No. IS 2036 of 1995.	No	10	Consignee
43	Supply of FIBRE GLASS INSULATING FIRE RETARDENT SHEET OF 10 MM THICKNESS AS PER ISO: 10192-1982, Dielectric strength -25KV/mm with glass content 25 to 34% in standard size of 1.10x1.10 Mtr. As per spec. No.IS:10192-1982	No	20	Consignee
44	Supply of ARA Terminal blocks with links made of PBT Specn No.IRS/75/2006 (Rev - 2) with latest amendments and RDSO Drg.No.SA-23741A Alt.4., SA-23745 Alt.5, SA-23746, SA-23748 Alt.4, & SA-23756 Alt.3.	No	8000	RDSO
45	Supply of cartridge fuse block made of PBT as per RDSO Drg No SA-23748 Alt 4, SA-23749 & Spec No.IRS S 75/2006 with latest amendment. Fuse block shall be suitable for found head type voltage fuses.	No	100	RDSO
46	Supply of round head type non deteriorating type low voltage cartridge fuse as per specn No. IRS/S/78/92 with latest amendments - 2A/4A/6A capacity	No	400	RDSO
47	Supply of Lamp 110V / 24W, 2 pin for Loc.	No	500	Consignee
48	Supply of Apparatus case with go down locks with detachable handle on both the doors.			
a	Single Case as per Drg No SK 783-1 & 2. with latest alteration.	No	10	Consignee
b	Half Case as per Drg No SK 783-1 & 2. with latest alteration.	No	4	Consignee
49	Supply of earth electrode assembly as per Drg.No.CR/S&T/SK-815	No	28	Consignee
50	A CLASS EARTHING - Supply of ESR ALTEC TERRA STREAMER Lightning Arrester with SS adaptor (TSP30, 50 Mtr. Radius) SPN : NGC-17-102-2011.	Set	1	Consignee
51	Supply of FRP mast with GI Mast (FRP mast at top minimum 1.5 Mtr. Along with GI mast 3 Mtr.) Total 4-5 Mtr. Std mast required for mounting the terminal & adaptor to mount the Air terminal with coupler / reducer. Multi strand stray wires, joints, clamps & accessories. as per IS 2309:1989.	No	1	Consignee
52	Supply of Test Link joint kit in a IP65 weather proof enclosure of suitable dimension and approved make & design.	No	1	Consignee

53	Supply of Lightning strike recorder LSC 6 digit shall be weather proof type. It should have 6 digit event count & the capacity to count smallest strike (3KA). It should be voltage sensing type counter. So that it will register nearby strikes & static discharge due to induction effect. as per IS 2309:1989.	No	1	Consignee
54	Supply of Down conductor (recommended : 70 Sqmm 19 strand copper insulated cable for lightning current dissipation to earth with necessary fixing clamp, connector accessories etc.)	No	20	Consignee
55	Maintenance Free Earth as per RDSO/SPN/197/2008 or latest consisting of : 1) Copper bond steel electrode 3 Mtr long 17mm dia with copper bonding thickness of min. 250micron & UL listed & marked-01 No. (2) Earth enhancement compound RDSO Approved in sealed bag of 10 kgs - 03 No. (3) Copper strip 150 x 25 x 6mm - 02 No (4) Copper Strip 300 x 25 x 6mm- 01 No (5) 35 Sqmm Copper Cable to connect earth electrode to MEEB - 15Mtr Approx.	Set	20	RDSO
56	Supply of copper Tape 25x6 mm (Bonding ring conductor) mounted on insulated standoff (1 round).	mts	80	Consignee
57	Supply of Microprocessor based universal earth resistance sensing unit 12 channel AC/DC. As per RDSO/SPN/256/2002 with latest amendments.	nos	1	RDSO
58	Supply of Track Lead junction Boxes as per C.Rly Drg.No.RST 11509 made from fiber glass alongwith terminal blocks.	No	40	Consignee
59	Supply of B type choke to specn.No.IRS.S.65/83 (Amd.3) with latest amendments.	No	20	RDSO
60	Supply of adjustable Track Feeb Resistance disc type 7.5/15/30 ohms as per RDSO Drg. No. SA 20161-66/M (Adv) with latest amendments (with phenolic moulded base).	No	20	RDSO
61	Supply of Track feed battery chargers, 110V AC input 2, 4 to 6 V DC Output to Specn. No.IRS.89/2013 Ver.1.0 with latest amendments. Charger shall be suitable for charging 80 AH battery.	No	20	RDSO
62	Supply of Channel Pins single groove, galvanised, 7 mm suitable for 4mm dia bonding wire as per spec No. IRS: S 17-75 Revision 3.	No	5000	Consignee
63	Supply of PVC jacketed wire rope for track lead connections. PVC jacketed wire rope should be of Galvanised steel wire rope 6mm dia (6x19 stranded wire with steel core of 6 mm dia) sheathed with PVC 2mm wall thickness, overall thickness being 10 mm. PVC sheath should be made of type 6 compound as per IS 5831 of 1984 Reaffirmed 2001 and steel wire rope as per IS: 2266:2019. Reclaimed for recycled material should not be used.	MTR	3000	Consignee
64	Supply of 8 SWG GI wire (4mm dia) suitable for track circuit rail bonding. As per IRS Specification S:13-62.	Kg	2000	Consignee

65	Supply of Hydrometer, Exide make similar for measuring specific gravity of Battery Graded acid with mounting stand in location Boxes. Consignee inspection under manufacturer certificate.	No	100	Consignee
66	Supply, Installation, testing and commissioning of track battery charger monitoring system for 2V/4V/6V/8V batteries with accessories at nominated stations. General scheme to be approved by Engineer-in-charge.	No	20	Consignee
67	Supply, installation, testing and commissioning of remote indication unit along with all accessories for above item.	No	1	Consignee
68	<p>Supply of Digital Axle counter Multi section type complete system including the central Evaluator and final track clearance relay for each section, Reset boxes, LV boxes, All track side units with detection point complete assembly & fixing arrangement for each detection point, clamps deflector for either side of each detection points, monitoring console for monitoring all the DPs at a time installed at a station/RH/IBH etc. with all other accessories fully wired and fully equipped as per RDSO specification No.RDSO/SPN/176/2013 (ver.3) or latest and manufacturers specification. The equipment must also include the following:</p> <p>a) System must have remote monitoring and health diagnostics feature as per RDSO specification.</p> <p>b) Surge protection device,</p> <p>c) 20% spare slots for the both detection heads and track section in the evaluator for future and emergency provision. Each set also consisting of</p> <p>a) Double rail contact of standard length of cable as per site requirement and mounting accessories - Equal to no. of DP.</p> <p>b) Deflectors to safe guard Rail contact will be TWICE the no. of DPs.</p> <p>c) Protecting tube from DP to railhead as per requirement.</p> <p>d) Diagnostic PC as per specification and other accessories (as per Annexure-VI)</p> <p>e) Pre-wired cabinet/rack - No. as per site requirement.</p> <p>f) 6 nos. Electrostatic Discharge Wrist Band for cards/modules protection.</p>	per DP	10	RDSO
69	Supply of GI pipe, inner dia. 100mm dia. B-class as per spec. No.IS 1239 PT. 1/2004 or latest with sockets and fittings. TATA/JINDAL/ZENITH BIRLA make.	MTR	120	Consignee
70	Supply of DWC HDPE pipe with one snap fit coupler and 'O' ring fire resistant, anti rodent, in 6 meter length of size 120 mm outer dia as per RDSO/SPN/204/2011 Ver 1.1 with Amd.1 or latest.	MTR	120	Consignee
71	Supply of RCC pipes half round of size 300 mm dia outer and 250 mm dia internal 1 mtr long matching to IS No.458/2003	Nos	2000	Consignee

72	SUPPLY OF "C" CHANNEL CLAMPS with nut bolts, washers and all type fixtures for 6 inch dia pipe to be fixed on GIRDERS, on rock cuttings etc. as per DRG No.-SK-900	Nos	25	Consignee
73	Supply of modular terminal block of 2.5 sq. mm 2 IN 2 OUT type disconnect type terminal along with as per RDSO SPN/189/2004 Rev 3.0. The current capacity of 16 Amps and more. The terminal should have marking at centre to view description from front. Material to be procured from RDSO approved firms only.	Nos	2000	RDSO
74	Supply of DIN Channel for the terminals 1 Mtrs each	Nos	24	Consignee
75	Supply of End plates for modular terminal block	Nos	167	Consignee
76	Supply of End Clamp for modular terminal block	Nos	190	Consignee
77	Supply of Marker Card as per customer spec (10x10)	Nos	24	Consignee
78	Operating tool (operating tool, screw driver & stripper) as per Annexure-VII.	Nos	1	Consignee
79	Supply of Digital measuring wheel for measuring cable trench/route make: Stanley or Freemans make or similar reputed make.	no.	2	Consignee
80	Supply of Thermo-Shrink cable joining kit (Reinforced) TSF-2 type generally conforming to RDSO specification RDSO/SPN/TC/57/2015 Revv 1 with modified kit contents as per CSTE's Specification No.:CR/SPN/TC/57 (A)/2015 Dt: 06.01.2015 (Table-A) to be suitable for jointing both 10/20/50 pair PIJF and 4/6 Quad cables alongwith sub-kit (Table-B) for armour continuity.	no.	4	Consignee
81	Supply of Paints as per relevant IS specification preferably Asian / Apcolie/ Dulux make in different colour in one kg/2 kg pack	Kg	400	Consignee
82	Supply of 4.5 kg CPO2 type fire extinguisher along with all accessories, extinguisher testing certificate has to be supplied along with - Supply of ISI marked CarbondiOxide type (BC) fire extinguisher of 4.5 Kg capacity conforming to IS 2878: 2004 from seamless cylinder, with ISI marked control value, high pressure mtr., Long discharge hose and horn complete with initial gas charged with carrying handle and wall mounting bracket etc. as required by site Engineer.	No	10	Consignee
83	Supply of Permanently Lubricated HDPE Telecom duct of size 50/42 mm and accessories as per latest Specification TEC GR No. GR/TX/CDS-008/03/March 11 with latest amendment" for OFC cable of size 24 fibre armoured in length of 1000 mtrs/roll. Duct to be supplied from TEC approved sources.	km	3.00	Consignee
84	Supply of 24 fibre straight Joint closure (SJC) complete with all accessories as per RDSO Spec. No. RDSO/SPN/TC/68/2007, Rev.0 Amendment No.1.1 or latest amendments and as per or TEC Spec. G/OJC/02/02 Sept 2003 or latest of Raychem make model FOSC 400 B4 24F or TVS ICS make model 1500-L1 83-XX or Birla VXL make model VXT 800 or 8M make model 8470 CD	Nos	4	Consignee

85	Supply, Installation, Testing & Commissioning of Microprocessor based intelligent, addressable, Fire Alarm control Panel with LCD display complying to RDSO/SPN/217/2025 Ver 3.1 or latest modular, 1 loop (minimum 125 detector/devices per loop-expandable to 2 loops) with 320 Character with soft keys for displaying alarm, events and operating functions, Day/Night operation function, Remote maintenance service feature etc. The panel should be multi-protocol i.e. able to support at least 2 different makes of addressable detectors. The panel should have minimum two relay outputs & 1 Monitored Sounder Output. It should have provision to be connected to repeater panels in future. The panel shall capable to operate on 230 volts AC power supply, automatic battery charger, 24 volts, sealed lead acid maintenance free batteries sufficient for 24 hours normal working and then be capable of operating the system for 30 minutes during emergency condition. Panel should be Vds Certified.	Nos	1	RDSO
86	Suply, Installation, Testing & Commissioning of Analogue Addressable Multisensor Detector complying to RDSO/SPN/217/2025 Ver 3.1 or latest . As per latest VDS approved/Listed.	Nos	12	RDSO
87	Suply, Installation, Testing & Commissioning of Manual call points, complying to RDSO/SPN/217/2025 Ver 3.1 or latest. As per latest VDS approved/Listed.	Nos	1	RDSO
88	Suply, Installation, Testing & Commissioning of Resettable, Analogue Type Liner Heat Sensing (LHS) Cable complying to RDSO/SPN/217/2025 Ver 3.1 or latest. As per latest VDS approved/Listed.	Mtrs.	50	RDSO
89	Suply, Installation, Testing & Commissioning of LHS Interface Module with all accessories for single stretch, complying to RDSO/SPN/217/2025 Ver 3.1 or latest. As per latest VDS approved/Listed.	Nos	1	RDSO
90	Suply, Installation, Testing & Commissioning of Aspiration (Air Sampling Type) Detection unit complying to RDSO/SPN/217/2025 Ver 3.1 or latest. As per latest VDS approved/Listed.	Nos	1	RDSO
91	Suply, Installation, Testing & Commissioning of CPVC pipe for Aspiration Detection system complying to RDSO/SPN/217/2025 Ver 3.1 or latest. As per latest VDS approved/Listed /approved by UL or FM or VDS or LPCB or tested with appropriate equivalent standard.	Mtrs.	50	Consignee
92	Suply, Installation, Testing & Commissioning of Analogue Addressable loop powered Monitor Module with inbuilt isolator complying to RDSO/SPN/217/2025 Ver 3.1 or latest. As per latest VDS approved/Listed.	Nos	2	RDSO

93	Supply, Installation, Testing & Commissioning of Analogue Addressable loop powered Control Module complying to RDSO/SPN/217/2025 Ver 3.1 or latest.	Nos	2	RDSO
94	Supply, Testing & Commissioning of Hooter cum strobe complying to RDSO/SPN/217/2025 Ver 3.1 or latest..	Nos	1	Consignee
95	Supply, Testing & Commissioning of 2C 1.5 sq mm twisted shielded armoured copper cable (Per Meter) with accessories complying to the RDSO/SPN/217/2025 Ver 3.1 or latest..	Mtrs.	50	Consignee
96	Supply, Testing & Commissioning of Isolator Device to isolate the circuit in case of short circuit, complying to the RDSO/SPN/217/2025 Ver 3.1 or latest.	Nos	2	RDSO
97	Supply of High Density Polyethylene Pipes (HDPE) of 110 mm OuterDia, 10 mm Wall Thickness, along with one coupler for every 6 Meters as per specification No. IS 4984: 2016 with latest amendments and Material Grade:PE 100	Mtr	1650	RITES
98	Supply, installation, wiring, testing & commissioning of Microcontroller based Power Supply Autochangeover device complete along with accessories using Contractor's own wiring & fixing material as per following configuration- (i) Power Supply - AC/DC. (ii) Voltage 24V to 150V. (iii) Current Up to - 45Amp. Note: The work shall be done as per instructions of Railway's Engineer in-charge	No	12	Consignee