

**DYCSTE-C-NGP-S AND T/CENTRAL RLY  
TENDER DOCUMENT**

**Tender No:** NGP-NC-CR-SNT-C-S-03-2026

**Closing Date/Time:** 23/07/2026 15:00

**Dy CSTE C NGP** acting for and on behalf of The President of India invites E-Tenders against Tender No **NGP-NC-CR-SNT-C-S-03-2026** Closing Date/Time 23/07/2026 15:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

**1. NIT HEADER**

<b>Name of Work</b>	Indoor & Outdoor signaling work including supply of materials, installation, testing & commissioning of Electronic Interlocking at Wardha station (Distributed Configuration) in connection with Wardha-Badnera-Bhusawal 3rd & 4th line of Nagpur Division of Central Railway.		
<b>Bidding type</b>	Normal Tender		
<b>Tender Type</b>	Open	<b>Bidding System</b>	Two Packet System
<b>Tender Closing Date Time</b>	23/07/2026 15:00	<b>Date Time Of Uploading Tender</b>	30/06/2026 16:04
<b>Pre-Bid Conference Required</b>	No	<b>Pre-Bid Conference Date Time</b>	Not Applicable
<b>Advertised Value</b>	262126633.81	<b>Tendering Section</b>	TENDERS
<b>Bidding Style</b>	Single Rate for Each Schedule	<b>Bidding Unit</b>	
<b>Earnest Money (Rs.)</b>	5242500.00	<b>Validity of Offer ( Days)</b>	90
<b>Tender Doc. Cost (Rs.)</b>	0.00	<b>Period of Completion</b>	18 Months
<b>Contract Type</b>	Works - General	<b>Contract Category</b>	Expenditure
<b>Bidding Start Date</b>	09/07/2026		
<b>Are JV allowed to bid</b>	Yes	<b>Number of JV Member Allowed</b>	2
<b>Are Consortium allowed to bid</b>	No	<b>Number of Consortium Member Allowed</b>	0
<b>Ranking Order For Bids</b>	Lowest to Highest	<b>Expenditure Type</b>	Capital (Works)

**2. SCHEDULE**

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule ( ) A-Schedule A(SOR Supply Portion)</b>							64699213.56	Above/ Below/ Par
1	011020	2.00	Set	106064.00	212128.00	18.00	250311.04	
	<b>Description:-</b> Supply of tool kit- required for Trouble Shooting and repair of hardware and software for EI system should be supplied for stations as per schedule item 1 above. (This includes tools required for EI maintenance sorts of crimping, insertion, removal, general purpose tools like screw drivers, spanners, PCB extractor, temp. controlled soldering iron, wire cutter, nose plier etc. & measuring instruments with carrying case/ holders/cabinet for technicians/ J.E. or testing, Maintenance and repair at site). Each set comprises of the following :- (a) Crimping tools for all types of special cable assembly used in EI system. (b) Insertion tool for all types of special cable assembly used in EI system. (c ) Removal tools for all types of special cable assembly used in EI (d) Digital multimeter (Tektronics/Fluke/MEGGER/RISHAV or better) system. (e) Steel cabinet / Almira (Godrej/Durian/Transtee) of good quality to store tool, spare cards and documents. (f) Clamp Earth Tester. (Fluke 287/MEGGER/RISHAV or better) (g) Clamp Current Meter. (Fluke 287/MEGGER/RISHAV or better) (h) 6 nos. Electrostatic Discharge Wrist Band for cards modules protection.							
	011030	1.00	Set	134635.00	134635.00	18.00	158869.30	

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2	<b>Description:-</b> Supply of as made documents (Manuals for Installation, Testing, and maintenance of the system) (One set consists of 6 set of following drawings per station). (i) Manual for installation, Testing, Commissioning and maintenance of the system for Technicians/Jr. Engineers. (Installation and maintenance level ) (ii) Functioning and system overview (Higher Management Level) (iii) Completion documents as per special conditions of contract. (iv) Design & supply of circuits and plans to suit layout given in the signaling plan for Hot Standby Architecture Electronic Interlocking (EI) system. All plan and wiring diagram shall be prepared on AutoCAD Drawing and supplied with CD. This will include supply of Control-cum-Indication Panel/VDU diagram, Square sheet, wiring diagrams (Application Logic and Interface circuit), Fuse Analysis, Contact Analysis, Tag Block Analysis, Power supply Distribution / Power Equipment arrangement (with program switch) Diagram, Auto change over diagram (if supplied by the contractor), and all other relevant drawings. NOTE : The contractor shall initially supply 1 set of documents (Paper Prints) for approval of Railways. He shall ensure that each sheet has a block for signature of Railway official as well as a block for signature of firm, duly signed by the authorized signatory of the firm. The name of the work as given by Railways shall be written on every sheet under the work column. All the drawing shall be supplied in a good quality folder for each station. After approval of comments by Railways, the Contractor will make copies of the approved documents and return the approved documents to Railways. The contractor will then make necessary correction to Application Logic Software duly incorporating Railways' alterations/corrections/comments, if any. After complete testing/ commissioning of the station, tracings of completion documents as mentioned above will be submitted to Railways for approval. Along with the completion application logic, difference report (showing addition & deletion in different colors) as compared to earlier approved application logic should also be submitted. After approval of completion application logic by Railways, 5 sets of copies of duly approved completion tracings will be submitted to Railways.						
3	011040	2.00	Set	146679.00	293358.00	18.00	346162.44
	<b>Description:-</b> 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.						
4	011100	30.00	Set	26006.00	780180.00	18.00	920612.40
	<b>Description:-</b> Supply of Main cable Termination rack complete with scaffolding, fixtures & accessories including square bars for mounting 8-way terminal blocks, ladder, string rods, frame, base assembly, insulators, J bolt , nut/bolts & fasteners, backelite 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.						
5	011130	3.00	Set	822218.00	2466654.00	18.00	2910651.72
	<b>Description:-</b> 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/Transteele) for keeping processor module and one no. Godrej/Durian/Transteele make operator chair. ii)2560 digital and 32 analog inputs.						
6	011140	1.00	Set	1205092.00	1205092.00	18.00	1422008.56
	<b>Description:-</b> 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/Transteele) for keeping processor module and one no. Godrej/Durian/Transteele make operator chair. iii)4096 digital and 32 analog inputs.						
7	011180	3.00	Set	76163.00	228489.00	18.00	269617.02
	<b>Description:-</b> Failure analysis software for 2560 digital inputs						
8	011190	1.00	Set	147418.00	147418.00	18.00	173953.24
	<b>Description:-</b> Failure analysis software for 4096 digital inputs						
9	011270	20.00	Kilometre	39345.00	786900.00	18.00	928542.00
	<b>Description:-</b> Supply of PVC flexible copper cable single core, multistrand 1x2.5 Sq.mm (50 conductor each diameter 0.25 +/- 0.01) as per IS 694/2010. with latest amendment if any with insulation thickness of 0.70 mm nominal conductor resistance 7.98 ohms/km and test parameters are as per IRS (S) 76/89 (Amd.3) or latest.						
	011280	10.00	Kilometre	76141.00	761410.00	18.00	898463.80

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10	<b>Description:-</b> Supply of PVC flexible copper cable single core, multistrand 1x6 Sq.mm (84 conductor each diameter 0.30 +/- 0.01) as per IS 694/2010. with latest amendment if any with insulation thickness of 0.80 mm nominal conductor resistance 3.30 ohms/km and test parameters are as per IRS (S) 76/89 (Amd.3) or latest.						
11	011290	10.00	Kilometre	119222.00	1192220.00	18.00	1406819.60
11	<b>Description:-</b> 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 1.0 mm nominal conductor resistance 1.91 ohms/km and test parameters are as per IRS (S) 76/89 (Amd.3) or latest.						
12	011300	6.00	Kilometre	177112.00	1062672.00	18.00	1253952.96
12	<b>Description:-</b> Supply of PVC flexible copper cable single core, multistrand 1x16 Sq.mm (126 conductor each diameter 0.40 +/- 0.01) as per IS 2465/1984 & IS: 694/2010. with latest amendment if any with insulation thickness of 1.0mm nominal conductor resistance 1.121 ohms/km and test parameters are as per IRS (S) 76/89 (Amd.3) or latest.						
13	011310	4.00	Kilometre	279653.00	1118612.00	18.00	1319962.16
13	<b>Description:-</b> Supply of PVC flexible copper cable single core, multistrand 1x25 Sq.mm (196 conductor each diameter 0.40 +/- 0.01) as per IS 2465/1984 & IS: 694/2010. with latest amendment if any with insulation thickness of 1.2mm nominal conductor resistance 0.780 ohms/km and test parameters are as per IRS (S) 76/89 (Amd.3) or latest.						
14	011330	450.00	Numbers	1645.00	740250.00	18.00	873495.00
14	<b>Description:-</b> Supply of low maintenance Lead Acid secondary cells 2V 80AH as per spec. IRS 88/2004 version 1.0 with latest amendments.						
15	011340	240.00	Numbers	3755.00	901200.00	18.00	1063416.00
15	<b>Description:-</b> Sealed maintenance free VRLA Battery/Cell 2 volt, 300AH IRS: S-93/96 (A) (Amd.1) or latest.						
16	011580	40.00	Set	24091.00	963640.00	18.00	1137095.20
16	<b>Description:-</b> Supply of Automatic changeover for individual supply. Automatic changeover unit of signal / Track / DC circuit supply of 32A, AC/DC consisting of 3TC44 contractors, LED Lamp, Push button, terminals, VSR, polarity switches. As per Rly. Drg.-SK-841/1-5 for IPS supply to manual discrete equipments with P/switch.						
17	011630	40.00	Numbers	6422.00	256880.00	18.00	303118.40
17	<b>Description:-</b> Supply of 63 A rating, 4 pole change-over switch disconnector with dual shaft position & staggered terminals with sheet steel enclosure and extended handle of Siemens/L & T / HAVELLS/LEGRAND make.						
18	011870	200.00	Numbers	3359.00	671800.00	18.00	792724.00
18	<b>Description:-</b> Supply of QNA1 AC immunized relay, 8F-8B, 24 VDC along with plug, board, retaining clip and connectors conforming to BRS:931A, IRS:S60/78 with Amendment no.1 , IRS:S34/68 with Amendment no.6 & IRS:S23/88 with Amendment no.1						
19	011910	50.00	Numbers	3678.00	183900.00	18.00	217002.00
19	<b>Description:-</b> Supply of QSPA1 relay, 24 V DC Slow to pick up, 8F- 4B along with plug, board, retaining clip and connectors conforming to BRS:933 IRS:S60/78 with Amendment no.1 , IRS:S34/68 with Amendment no.6 & IRS:S23/88 with Amendment no.1)						
20	011920	150.00	Numbers	3241.00	486150.00	18.00	573657.00
20	<b>Description:-</b> 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:S34/68 with Amendment no.6 & IRS:S23/88 with Amendment no.1)						
21	011930	20.00	Numbers	5531.00	110620.00	18.00	130531.60
21	<b>Description:-</b> Supply of QBAT track Relay, AC immunized, 2F-2B, contacts, 9 ohms. Complete with plug, board, retaining clip and connectors as per RDSO/SPN/84 Ver. 2.0 with Amendment No.1 or latest.						
22	012020	80.00	Numbers	6059.00	484720.00	18.00	571969.60
22	<b>Description:-</b> 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 with Amendment No.01.						
23	012030	40.00	Numbers	3415.00	136600.00	18.00	161188.00
23	<b>Description:-</b> 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 (IRS:S60/78 with Amendment no.1 , IRS:S34/68 with Amendment no.6 & IRS:S23/88 with Amendment no.1)						
24	012070	2.00	Numbers	19090.00	38180.00	18.00	45052.40
24	<b>Description:-</b> Supply of Block filter unit as per IRS:S-68/89 and Block bell equipment as per IRS:TC-44/88 (Amd. 1).						
25	012080	2.00	Numbers	2771.00	5542.00	18.00	6539.56

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	<b>Description:-</b> Supply of Block Bell equipment as per RDSO Drg. No.TCA 15080 and Spec. No IRS-TC-44/88 (Amd.1) with amendment No. 1 Voltage 24 V DC.						
26	012110	4.00	Numbers	2501.00	10004.00	18.00	11804.72
	<b>Description:-</b> Supply of Desk type Electronic Magneto Telephone as per spec No. IRS TC-79/2000 (Amd.4) with Amendment No.02 or with latest amendments.						
27	012320	150.00	Numbers	8.00	1200.00	18.00	1416.00
	<b>Description:-</b> Supply of PPTC Fuse GP 60-185 UL-94 certification (1.6 Amps) for internal / external current. Make: LITTLEFUSE, FUZETEC, TYCO, BOURN, RAYCHEM etc.						
28	012330	150.00	Numbers	7.00	1050.00	18.00	1239.00
	<b>Description:-</b> Supply of PPTC Fuse GP 60-400 UL-94 certification (12V/4A) TF, TR Circuit. Make: LITTLEFUSE, FUZETEC, TYCO, BOURN, RAYCHEM etc.						
29	012340	150.00	Numbers	7.00	1050.00	18.00	1239.00
	<b>Description:-</b> Supply of PPTC Fuse GP 30-100 (24V/1.4A) TPR Circuit. Make: LITTLEFUSE, FUZETEC, TYCO, BOURN, RAYCHEM etc.						
30	012350	150.00	Numbers	7.00	1050.00	18.00	1239.00
	<b>Description:-</b> Supply of PPTC Fuse GP 250-185 UL-94 certification (24V/4A)110V AC for track chargers. Make: LITTLEFUSE, FUZETEC, TYCO, BOURN, RAYCHEM etc.						
31	012370	10.00	Kg	1078.00	10780.00	18.00	12720.40
	<b>Description:-</b> 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.						
32	012380	100.00	Numbers	57.00	5700.00	18.00	6726.00
	<b>Description:-</b> Lacing thread rolls, black, wax coated (100 mtrs)						
33	012400	80.00	Each Module	23147.00	1851760.00	18.00	2185076.80
	<b>Description:-</b> Design, fabrication and supply of fuse Auto changeover system for 32 Nos external non detorating 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.						
34	012410	20.00	Each Module	33712.00	674240.00	18.00	795603.20
	<b>Description:-</b> Design, fabrication and supply of fuse Auto changeover system for 24 Nos external non detorating type fuses or 'G' type fuses from 4 A to 10 Amp capacities generally used for point operation circuits. System shall have 6 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.						
35	012430	30.00	Numbers	5908.00	177240.00	18.00	209143.20
	<b>Description:-</b> Supply of Main signal post 140 mm outer dia 3.6 Mtr Length as per spec No.IRS S 6/81 with latest amendments.						
36	012440	25.00	Numbers	5979.00	149475.00	18.00	176380.50
	<b>Description:-</b> Supply of Main signal post 140 mm outer dia 4.6 Mtr Length as per spec No.IRS S 6/81 with latest amendments.						
37	012450	15.00	Numbers	8119.00	121785.00	18.00	143706.30
	<b>Description:-</b> Supply of Main signal post 140 mm outer dia 5.6 Mtr Length as per spec No.IRS S 6/81 with latest amendments.						
38	012460	60.00	Numbers	2650.00	159000.00	18.00	187620.00
	<b>Description:-</b> Supply of Shunt signal post with Base (GI Pipe of 80 mm Dia of min. 1 meter length.)						
39	012470	70.00	Numbers	7944.00	556080.00	18.00	656174.40
	<b>Description:-</b> 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 RDSO Drg no. 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.						
40	012480	60.00	Numbers	1752.00	105120.00	18.00	124041.60
	<b>Description:-</b> Supply of Cast Iron Shunt signal surface base 80 mm as per spec No IRS: S-10 and Drg No 2011/M with latest amendments, as per RDSO Drg. No.SA- 23156/ Drg. No.RST/11413 as per extant C. Rly practice.						
41	012490	170.00	Numbers	447.00	75990.00	18.00	89668.20
	<b>Description:-</b> Supply of Signal No.Plates as per Drg No RST-11393/ SK-842						
	012500	25.00	Numbers	821.00	20525.00	18.00	24219.50

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42	<b>Description:-</b> 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.						
43	012510	20.00	Numbers	4129.00	82580.00	18.00	97444.40
	<b>Description:-</b> OFF set bracket 3-1/2' for signals & Routes. Drawing No.SA23840(Adv) Alt-2 as per extent C.Rly practice.						
44	012520	15.00	Numbers	476.00	7140.00	18.00	8425.20
	<b>Description:-</b> 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 23477(G) & SA 23476-77 (IB) as applicable respectively with Latest Amendment.						
45	012530	10.00	Numbers	2763.00	27630.00	18.00	32603.40
	<b>Description:-</b> Supply of Stop Board / IB Board as per RST-11791 (STOP BOARD)/ RDSO Drg No 7235/B as per extent C.Rly practice.						
46	012550	170.00	Numbers	245.00	41650.00	18.00	49147.00
	<b>Description:-</b> Supply of Hand Cuff Locks / Godrej Navtal lock with Three common keys.						
47	012560	40.00	Numbers	25824.00	1032960.00	18.00	1218892.80
	<b>Description:-</b> 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						
48	012570	20.00	Numbers	26638.00	532760.00	18.00	628656.80
	<b>Description:-</b> 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						
49	012580	10.00	Numbers	34638.00	346380.00	18.00	408728.40
	<b>Description:-</b> 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						
50	012590	110.00	Numbers	11731.00	1290410.00	18.00	1522683.80
	<b>Description:-</b> 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.						
51	012600	10.00	Numbers	29381.00	293810.00	18.00	346695.80
	<b>Description:-</b> 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						
52	012610	20.00	Numbers	36469.00	729380.00	18.00	860668.40
	<b>Description:-</b> 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						
53	012620	10.00	Numbers	38672.00	386720.00	18.00	456329.60
	<b>Description:-</b> 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						
54	012640	36.00	Numbers	7154.00	257544.00	18.00	303901.92
	<b>Description:-</b> 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						
55	012650	20.00	Numbers	4381.00	87620.00	18.00	103391.60
	<b>Description:-</b> 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 DRG - No.SK-844						
56	012660	360.00	Numbers	4649.00	1673640.00	18.00	1974895.20
	<b>Description:-</b> Supply of Phenolic 10mm thick sheet, grade P3 in standard size of 1.22x1.22 Mtr as per spec. No. IS 2036 of 1995.						
57	012680	15000.00	Numbers	65.00	975000.00	18.00	1150500.00
	<b>Description:-</b> 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.						
58	012690	500.00	Numbers	144.00	72000.00	18.00	84960.00

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50	<b>Description:-</b> 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 Rev.02 with latest amendment. Fuse block shall be suitable for round head type voltage fuses.						
59	012700	1000.00	Numbers	62.00	62000.00	18.00	73160.00
	<b>Description:-</b> 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						
60	012710	200.00	Numbers	30.00	6000.00	18.00	7080.00
	<b>Description:-</b> Supply of Tik-tak, piano type switches, 5 A (as per IS Specification).						
61	012720	200.00	Numbers	205.00	41000.00	18.00	48380.00
	<b>Description:-</b> Supply of three pole plug and socket 5 Amp (as per IS Specification).						
62	012730	200.00	Numbers	20.00	4000.00	18.00	4720.00
	<b>Description:-</b> Supply of Lamp 110V / 24W, 2 pin for Loc.						
63	012740	200.00	Numbers	14252.00	2850400.00	18.00	3363472.00
	<b>Description:-</b> Supply of Apparatus case with godown locks with detachable handle on both the doors.a) Single Case as per Drg No SK 783-1 & 2. with latest alteration.						
64	012750	50.00	Numbers	11287.00	564350.00	18.00	665933.00
	<b>Description:-</b> Supply of Apparatus case with godown locks with detachable handle on both the doors. b)Half Case as per Drg No SK 783-1 & 2. with latest alteration.						
65	012760	350.00	Numbers	951.00	332850.00	18.00	392763.00
	<b>Description:-</b> Supply of earth electrode assembly as per Drg.No.CR/S&T/SK-815						
66	012850	20.00	Set	15671.00	313420.00	18.00	369835.60
	<b>Description:-</b> 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.						
67	012860	2500.00	Metre	365.00	912500.00	18.00	1076750.00
	<b>Description:-</b> Supply of 35 Sq. mm. multistrand single core PVC insulated copper for connecting earth bus bar to earth electrode.						
68	012890	10.00	Numbers	118645.00	1186450.00	18.00	1400011.00
	<b>Description:-</b> Supply of Microprocessor based universal earth resistance sensing unit 12 channel AC/DC. As per RDSO/SPN/256/2002 with latest amendments.						
69	012900	450.00	Numbers	878.00	395100.00	18.00	466218.00
	<b>Description:-</b> Supply of Track Lead junction Boxes as per C.Rly Drg.No.RST 11509 made from fiber glass alongwith terminal blocks.						
70	012910	300.00	Numbers	3099.00	929700.00	18.00	1097046.00
	<b>Description:-</b> Supply of B type choke to specn.No.IRS.S.65/83 (Amd.3 ) with latest amendments.						
71	012920	150.00	Numbers	1089.00	163350.00	18.00	192753.00
	<b>Description:-</b> Supply of adjustable Track Feed 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).						
72	012930	150.00	Numbers	2001.00	300150.00	18.00	354177.00
	<b>Description:-</b> 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.						
73	012940	20000.00	Numbers	2.00	40000.00	18.00	47200.00
	<b>Description:-</b> 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.						
74	012950	10000.00	Metre	46.00	460000.00	18.00	542800.00
	<b>Description:-</b> 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.						
75	012960	1000.00	Kg	75.00	75000.00	18.00	88500.00
	<b>Description:-</b> Supply of 8 SWG GI wire (4mm dia) suitable for track circuit rail bonding. As per IRS Specification S:13-62						
76	013020	150.00	Numbers	1407.00	211050.00	18.00	249039.00
	<b>Description:-</b> 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.						
	013160	80.00	Set	452.00	36160.00	18.00	42668.80

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77	<b>Description:-</b> Supply of William stretcher nylon insulation set suitable for ground connection as per RDSO drg No T-10367, T-10368, T-10384 as applicable and to the spec IRS S 23/88 with Amendment No.01 & 40/84 with Amendment No.01 or latest amendments.						
78	013170	80.00	Set	287.00	22960.00	18.00	27092.80
78	<b>Description:-</b> Supply of Tongue attachment nylon insulation set consisting of one insulating plate as per Drg no: RST-106961 & 3 nos of Ferrules with collars to suite rodding supplied as per RDSO spec & Drg.no: RST-10692						
79	013180	80.00	Set	207.00	16560.00	18.00	19540.80
79	<b>Description:-</b> Supply of Gauge Tie Plate nylon insulation as per RDSO drg No: T-10372 Alt2, T-10368, T-10371 Alt2, T-15083/88/Alt2 & T-11690/Alt2 and to the spec IRS S 23/88 with Amendment No.01 & 40/84 with Amendment No.01 or latest amendments.						
80	013190	10.00	Set	7018.00	70180.00	18.00	82812.40
80	<b>Description:-</b> Supply of Ground connections, complete set suitable for IRS type/appd. Point Machine for ordinary turnout with tongue attachment insulation and other insulation as per RDSO Drg.S/3361 /62 / 63 (for IRS type point machine) or RDSO Drg No.SA-9151/52 (for Siemens point machine) with latest amendments. However the ground connection shall be procured only after confirmation from Railway engineer as per site condition /type of machine/turnout.						
81	013200	20.00	Set	5707.00	114140.00	18.00	134685.20
81	<b>Description:-</b> Supply of Ground connections, complete set suitable for IRS type/appd. Point Machine for derail switch with tongue attachment insulation as per RDSO Drg.S/3361 / 62 / 63 (for IRS type point machine) or RDSO Drg No.SA-9151/52 with latest amendments. However the ground connection shall be procured only after confirmation from Railway engineer as per site condition /type of machine/turnout.						
82	013210	125.00	Numbers	211.00	26375.00	18.00	31122.50
82	<b>Description:-</b> Supply of GI bend pipe, B class, 50mm dia for cable entry in point machine alongwith required fixing arrangements as per standard practice on Central Railway. As per Drg No. RST.11835.						
83	013230	1200.00	Metre	908.00	1089600.00	18.00	1285728.00
83	<b>Description:-</b> 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.						
84	013240	3000.00	Metre	288.00	864000.00	18.00	1019520.00
84	<b>Description:-</b> 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.						
85	013250	10000.00	Metre	640.00	6400000.00	18.00	7552000.00
85	<b>Description:-</b> Supply of RCC Trunking with capping. Size 250mm x 200mm Drg.No.RST/C/291/A						
86	013290	3000.00	Numbers	365.00	1095000.00	18.00	1292100.00
86	<b>Description:-</b> 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 amendment-1 with Rev.4.						
87	013310	9000.00	Numbers	100.00	900000.00	18.00	1062000.00
87	<b>Description:-</b> 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.						
88	013320	90.00	Numbers	187.00	16830.00	18.00	19859.40
88	<b>Description:-</b> Supply of DIN Channel for the terminals 1 Mtrs each						
89	013330	1500.00	Numbers	20.00	30000.00	18.00	35400.00
89	<b>Description:-</b> Supply of End plates for modular terminal block						
90	013340	1500.00	Numbers	15.00	22500.00	18.00	26550.00
90	<b>Description:-</b> Supply of End Clamp for modular terminal block						
91	013410	5.00	Set	42990.00	214950.00	18.00	253641.00
91	<b>Description:-</b> Tool bag complete with Megger as per Annexure- VIII. ADD AC / DC clamp meter, with Hand Held Tool Bag.						
92	013440	10.00	Numbers	28.00	280.00	18.00	330.40
92	<b>Description:-</b> Supply of Adhesive Tapes rolls, PVC (18mm x 25 Mtr) Steel Grip/SCOTCH/ANCHOR.						
93	013600	18.00	Numbers	4321.00	77778.00	18.00	91778.04
93	<b>Description:-</b> Supply of 4.5 kg CPO2 type fire extinguisher along with all accesories, extinguisher testing certificate has to be supplied along with - Supply of ISI marked Carbon Dioxide type (BC) fire extinguisher of 4.5 Kg capacity confirming to IS 2878: 2004 from seamless cylinder, with IS 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.						
	013610	2.00	Numbers	55467.00	110934.00	18.00	130902.12

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94	<b>Description:-</b> 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.							
	013620	100.00	Numbers	2748.00	274800.00	18.00	324264.00	
95	<b>Description:-</b> 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.							
96	013630	6.00	Numbers	4313.00	25878.00	18.00	30536.04	
	<b>Description:-</b> 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.							
97	013640	500.00	Metre	1167.00	583500.00	18.00	688530.00	
	<b>Description:-</b> 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.							
98	013650	5.00	Numbers	110725.00	553625.00	18.00	653277.50	
	<b>Description:-</b> 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.							
99	013660	5.00	Numbers	222716.00	1113580.00	18.00	1314024.40	
	<b>Description:-</b> 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.							
100	013670	500.00	Metre	1320.00	660000.00	18.00	778800.00	
	<b>Description:-</b> Suply, Installation, Testing & Commissioning of CPVC pipe for Aspiration Detection system complying toRDSO/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.							
101	013680	5.00	Numbers	7151.00	35755.00	18.00	42190.90	
	<b>Description:-</b> 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.							
102	013690	5.00	Numbers	7151.00	35755.00	18.00	42190.90	
	<b>Description:-</b> Suply, Installation, Testing & Commissioning of Analogue Addressable loop powered Control Module complying to RDSO/SPN/217/2025 Ver 3.1 or latest.							
103	013700	2.00	Numbers	6394.00	12788.00	18.00	15089.84	
	<b>Description:-</b> Suply, Testing & Commissioning of Hooter cum strobe complying to RDSO/SPN/217/2025 Ver 3.1 or latest.							
104	013710	500.00	Metre	94.00	47000.00	18.00	55460.00	
	<b>Description:-</b> Suply, 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.							
105	013720	1.00	Numbers	3071.00	3071.00	18.00	3623.78	
	<b>Description:-</b> Suply, 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.							
106	013920	10000.00	Metre	440.00	4400000.00	18.00	5192000.00	
	<b>Description:-</b> 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							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () B-Schedule B (SOR Execution Portion)							47094716.86	Above/ Below/P ar
	011020	1.00	Station	1120927.00	1120927.00	18.00	1322693.86	



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1	<b>Description:-</b> Installation, testing & commissioning of EI system complying to RDSO Technical Advisory Note No STS/E/TAN/3012 Ver 2.0 dated 10.08.2016 and Supply, Installation, testing & commissioning of earthing arrangement for EI as per RDSO/SPN/197/2008 For yard with "TWO OC". With Class A protection at two locations/Gumtis/Cabins/EI Huts/Auto Hut of the yard, Earthing of EI equipment, relay racks and power equipment etc to be done with Class A protection, Earthing shall be in the form of perimetric/Ring Earth conforming to RDSO specification and RDSO technical advisory note for earthing and bonding scheme of EI No.STS/E/TAN/3006 Ver.1 Dt. 02.11.2012 or latest, with earth resistance less than 1 ohm.						
2	011030	1.00	Man-Month	66458.00	66458.00	18.00	78420.44
	<b>Description:-</b> Training of Technician / Engineers/ Senior Engineer in installation, for trouble shooting & repairing, commissioning, Testing, Repairs Troubleshooting. (Hard copies of training material/ course modules to be given to each participant).						
3	011050	30.00	Numbers	1024.00	30720.00	18.00	36249.60
	<b>Description:-</b> Installation of Cable Termination Rack Assembly complete including wall supports, scaffolding, Disconnecting links/ARA terminal, 96 way tag block with tag block cover & other necessary accessories etc. The work shall be done as per approved plan, extant practice on C.Railways & the instructions of Rly engineer at site.						
4	011060	9000.00	Numbers	9.00	81000.00	18.00	95580.00
	<b>Description:-</b> Termination of cable cores on ARA terminal/disconnecting links in the cable termination rack. This includes all associated works of pulling out the cable from under ground, peeling off insulation, dressing of Cable core supported on sting rods with contractors own material. The work shall be done as per instructions of Rly engineer at site.						
5	011080	3.00	Set	38566.00	115698.00	18.00	136523.64
	<b>Description:-</b> Installation, wiring, testing and commissioning of Data logger complete along with accessories with contractors own wiring & fixing material as per following configuration. (It includes loading of NETWORKING software and networking of data logger. The requisite communication cable/channel for networking will be arranged by Railway. ii) 2560 digital & 32 analog inputs						
6	011090	1.00	Set	65054.00	65054.00	18.00	76763.72
	<b>Description:-</b> Installation, wiring, testing and commissioning of Data logger complete along with accessories with contractors own wiring & fixing material as per following configuration. (It includes loading of NETWORKING software and networking of data logger. The requisite communication cable/channel for networking will be arranged by Railway. iii) 4096 digital & 32 analog inputs						
7	011110	528.00	Set	58.00	30624.00	18.00	36136.32
	<b>Description:-</b> Charging of 2V Lead Acid Batteries with contractors own battery grade sulphuric acid and distilled water with minimum two charge - discharge cycles, installation of charged batteries in groups & their connection & wiring. The work shall be done as per extant practice of C.Rly & instruction of Engineer-in-charge. Detailed measurements of initial charging shall be recorded jointly by contractor & Rly's site-in-charge. Unit(Per 100 VAH=1 set)						
8	011180	2.00	Numbers	7253.00	14506.00	18.00	17117.08
	<b>Description:-</b> Installation and wiring of block instrument. The work of wiring from Telecom DP to block Instrument and block instrument to Relay Room and connection with power supply will be done by the contractor with contractor's own wiring & protection material as per instructions of Engineer-in-charge.						
9	011210	1.00	Set	53070.00	53070.00	18.00	62622.60
	<b>Description:-</b> Installation & commissioning Block proving with Digital Axle counter as per RDSO specification no. IRS:S-105/2012 using UFSBI & Block panel for single/ Double Line operation. (Unit - one pair Qty is 1 set)						
10	011230	1.00	Numbers	2803.00	2803.00	18.00	3307.54
	<b>Description:-</b> Supply and installation of 20 pair CT box						
11	011240	1.00	Numbers	8531.00	8531.00	18.00	10066.58
	<b>Description:-</b> Installation of control and other communication equipment like control phone/magneto phones/auto phones etc in panel Room as per instructions of engineer-in-charge.						
12	011260	8.00	Lot	24836.00	198688.00	18.00	234451.84
	<b>Description:-</b> Wiring and Charging of Integrated power supply to signalling installation. This includes connection of MF Earth of 1 ohm earth resistance for IPS and power distribution connection to bus bars and relay racks in the room with contractor's own wiring materials and fabrication and fixing of AC/DC power distribution board made on 10mm thick phenolic hylam sheets or any standard make with connections suitable for 63 A. Wiring to be done considering site requirement, depending upon the load with suitable wires, lugs & glands as per instructions of Engineer-in-charge. This item also includes supply & fixing of ladder along the wall for carrying power supply wires/cables from IPS room to Relay room/power room and potential free contact wiring at Datalogger IDF etc.						
	011270	80.00	Each Module	537.00	42960.00	18.00	50692.80

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13	<b>Description:-</b> Wiring, fixing & commissioning of modules of fuse 0.6 to 4 Amp rating alarm system having change over arrangement and potential free contact wiring at Datalogger IDF. Etc as per instructions of Railway Engineer. (Module of 32 nos fuses)						
14	011280	20.00	Each Module	523.00	10460.00	18.00	12342.80
	<b>Description:-</b> Wiring, fixing & commissioning of modules of fuse 4 to 10 Amp rating alarm system having change over arrangement and potential free contact wiring at Datalogger IDF. Etc as per instructions of Railway Engineer. (Module of 24 nos fuses)						
15	011290	24.00	Rack	290.00	6960.00	18.00	8212.80
	<b>Description:-</b> Lettering & Numbering of detail and description writing of particulars of terminations & equipments on relay rack, relays, cable termination rack, battery & power equipment, IPS, operating panel, axle counter etc constituting entire system with contractor's own paint and writing material ("Asian/Dulux" make enamel paints to be used). The work shall be done as per extant practice on C.Rly & instruction of Rly engineer at site.						
16	011300	1.00	Lot	49786.00	49786.00	18.00	58747.48
	<b>Description:-</b> Preparation of cable route plan, cable coreage plan, location particulars, cable termination rack particulars, cable meggering report, earth resistance particulars, Traction bonding diagram, 1/2 wire count sheet and any other drawing in Autocad in A3/A4 size. The contractor shall initially supply 3 sets of circuits complete for approval of Railways. Railways will return one set to the contractor duly approved with alteration/corrections if any. The contractor shall incorporate Railways alterations/corrections in the tracings without any deviation and submit all tracings complete in all respects to the Railways. This includes submission of final cable route plan as per laid cable duly measured at every 30m clearly indicating distance of laid cable from fixed point of reference & indicating all track crossings and tail cables. This also include designing of cable coreage plan based upon I.P. in consultation with engineer-in-charge. i)For big yards (>100 routes)						
17	011360	1.00	Lot	905266.00	905266.00	18.00	1068213.88
	<b>Description:-</b> Design and supply of Detailed signalling circuits including Panel diagram (if required), Route section plan, Selection table, Fuse & negative tag. analysis, Contact analysis, Relay rack arrangement and wire count sheets etc. in A3 size. Completion circuit shall be plotted in AutoCAD. The contractor shall initially supply 2 sets of circuits duly signed by the circuit designer having substantial experience on design side for making such circuits, complete for approval of Railways. Railways will return one set of circuit to the contractor duly approved with alterations / corrections, if any. The contractor shall incorporate Railway's alterations/corrections in the original tracings & CD without any deviation and submit two copies of the modified circuits. Original tracings so modified & final CD complete in all respects along with 6 sets of final approved circuits (out of which one set shall be supplied in transparent bags. Only two sheets of circuits shall be placed in one bag each) shall be submitted to the Railways in case there are no further alteration suggesged by Railways. This also includes modification in yard. v)for major yards and stations having more than 200 routes.						
18	012720	1.00	Lot	38033.00	38033.00	18.00	44878.94
	<b>Description:-</b> Preparation of final ammonia prints of diagrams in A-3 size after tracings are approved by Railways, in four sets for final submission with one set of diagrams in transparent polythene bag/lamintion. (only two sheets shall be placed on one polythene bag/laminated each). Every set shall be set in a plastic folder of A3 size and of good quality. The final approved tracings will be handed over to contractor by railway for this purpose and contractor will return back the same after taking out the prints for stations having less than 20 routes.(v)for major yards and stations having more than 200 routes.						
19	011370	70.00	Numbers	7537.00	527590.00	18.00	622556.20
	<b>Description:-</b> Excavation and Casting of main signal foundation as per Drg No SK 801 with contractor's own materials including cement and anchor bolts of standard size. The required scaffolding Ferma etc for casting of foundation will have to be brought by the contractor at his own cost.						
20	011380	60.00	Numbers	2043.00	122580.00	18.00	144644.40
	<b>Description:-</b> Excavation and Casting of Shunt signal foundation as per Drg No SK 802 with contractor's own materials including cement and anchor bolts of standard size. The required scaffolding Ferma etc for casting of foundation will have to be brought by the contractor at his own cost.						
21	011390	70.00	Numbers	2841.00	198870.00	18.00	234666.60
	<b>Description:-</b> Erection of CLS post with surface base and signal unit on top or on OFF set Bracket, fixing of front and back staging, ladder and guards, signal name plates/boards if any with contractors own brackets and fixing materials. This also includes erection of auxilliary signals like calling on, shunt signal if any. The work shall be done as per instructions of Rly engineer at site.						
22	011400	60.00	Numbers	371.00	22260.00	18.00	26266.80
	<b>Description:-</b> Erection of shunt signal with surface base, post, signal unit and fixing of No. plates. The work shall be done as per instructions of Rly engineer at site.						
23	011410	40.00	Numbers	608.00	24320.00	18.00	28697.60
	<b>Description:-</b> Fixing of Jn. Route Indicaton 1-way/2-way/3-way on the top of the signal post.						

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24	011420	10.00	Numbers	435.00	4350.00	18.00	5133.00	
	<b>Description:-</b> Fixing of stop Board, Block section limit Board, goods warning board with contractors own material. The work shall be done as per instruction of Rly engineer at site.							
25	011430	70.00	Numbers	900.00	63000.00	18.00	74340.00	
	<b>Description:-</b> Termination of tail cable on Main signal units and wiring with contractor own material etc. The work shall be done as per instruction of Rly engineer at site.							
26	011440	60.00	Numbers	273.00	16380.00	18.00	19328.40	
	<b>Description:-</b> Termination of tail cable on Shunt signal units and wiring with contractor own material etc. The work shall be done as per instruction of Rly engineer at site.							
27	011470	400.00	Numbers	406.00	162400.00	18.00	191632.00	
	<b>Description:-</b> Installation on ON/OFF aspect LED's in signal including termination of tail cable on signal, wiring fixing of LED units and testing. The work shall be done as per instruction of Railway engineer at site.							
28	011490	200.00	Numbers	1942.00	388400.00	18.00	458312.00	
	<b>Description:-</b> Fabrication and fixing of phenolic laminated/Fibre glass sheet in location box by providing all fixtures as per Railway Drawing including fixing of PVC coated/with PVC pipe covered string rods at the back side for cable support with contractor's own materials. The work shall be done as per drg and arrangement similar to SK 783- 1& 2. with latest alterations & as per instructions of Rly engineer at site. a) Single Case							
29	011500	50.00	Numbers	1647.00	82350.00	18.00	97173.00	
	<b>Description:-</b> Fabrication and fixing of phenolic laminated/Fibre glass sheet in location box by providing all fixtures as per Railway Drawing including fixing of PVC coated/with PVC pipe covered string rods at the back side for cable support with contractor's own materials. The work shall be done as per drg and arrangement similar to SK 783- 1& 2. with latest alterations & as per instructions of Rly engineer at site. b)Half Case							
30	011510	240.00	Numbers	462.00	110880.00	18.00	130838.40	
	<b>Description:-</b> Fixing of cutting in relay bases & wiring of relays with Contractors own material obtained from approved sources in location box as per the instructions of Engineer in charge.							
31	011520	15500.00	Per Conductor	12.00	186000.00	18.00	219480.00	
	<b>Description:-</b> Fixing of ARA Terminals and fuse blocks on phenolic laminated sheets and fixing by stainless steel/brass nuts & bolts. This includes provision of two additional holes on the board on either side for cable conductor entry.							
32	011530	31000.00	Per Conductor	9.00	279000.00	18.00	329220.00	
	<b>Description:-</b> Termination of cable cores on ARA terminal/fuse blocks in the apparatus cases/ cable termination rack. This includes all associated works of pulling out the cable from underground. The work shall be done as per location plans and instructions of Rly engineer at site.							
33	011540	200.00	Numbers	8500.00	1700000.00	18.00	2006000.00	
	<b>Description:-</b> Excavation and Casting of Apparatus case foundation with contractors Anchor bolts, cement, ballast and other materials. The required scaffolding ferma etc for Casting of foundation will have to be brought by the contractor at his own cost. i) Single Case as per Drg No SK-803							
34	011550	50.00	Numbers	8024.00	401200.00	18.00	473416.00	
	<b>Description:-</b> Excavation and Casting of Apparatus case foundation with contractors Anchor bolts, cement, ballast and other materials. The required scaffolding ferma etc for Casting of foundation will have to be brought by the contractor at his own cost. ii)Half Case as per Drg No SK-804							
35	011560	200.00	Numbers	945.00	189000.00	18.00	223020.00	
	<b>Description:-</b> Erection of Apparatus cases. This includes filling of location foundations and plastering .i)Single Case							
36	011570	50.00	Numbers	703.00	35150.00	18.00	41477.00	
	<b>Description:-</b> Erection of Apparatus cases. This includes filling of location foundations and plastering. ii)Half Case							
37	011580	200.00	Numbers	1266.00	253200.00	18.00	298776.00	
	<b>Description:-</b> Installation of Eqpt. (Relays, resistance, chargers batteries etc. as applicable) & wiring of the same in apparatus cases as per location diagrams & circuit diagrams, as per Instruction of site incharge and practice. i) Single Case							
38	011590	50.00	Numbers	830.00	41500.00	18.00	48970.00	
	<b>Description:-</b> Installation of Eqpt. (Relays, resistance, chargers batteries etc. as applicable) & wiring of the same in apparatus cases as per location diagrams & circuit diagrams, as per Instruction of site incharge and practice. ii)Half Case							
	011600	350.00	Numbers	2088.00	730800.00	18.00	862344.00	

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39	<b>Description:-</b> Installation of earth electrode assembly as per Drg.No.RE/S&T/SIG/Tender/SK726/85 including earth wire connected through GI wire 8 SWG supported on M.S. flat of size 6mm x 40 mm to earth electrode as per drg. No.CR/S&T/SK-815 for sigg. Equipment such as lever frames, apparatus case, signals, relay racks, block instruments, and etc. as per RE manual. The earth value should be less than 10 Ohms including the lead wire. The value should be measured in presence of Rly. supervisor. It should be documented and painted on earth enclosure made of concrete.( only earth electrode will be supplied by Railway). All other material required for provision of earthing will be brought by the contractor.						
40	011640	20.00	Set	4382.00	87640.00	18.00	103415.20
	<b>Description:-</b> Installation of unit earth as per RDSO/SPN/197/ver I or latest, to construct earthing of <=1 Ohm consisting of a digging the earth to required depth, insertion of electrode, filling of earth enhancing compound & construction of chamber, measurement of earth value and all other work of earthing as per code of practice. All the consumables for mounting the copper tape inside the relay room, Exothermic weld materials and tools & fixtures for the welding copper tapes nd Electrodes etc shall be arranged by the contractor.						
41	011680	10.00	Numbers	5783.00	57830.00	18.00	68239.40
	<b>Description:-</b> Installation, wiring, testing and commissioning of Microprocessor based universal earth leakage detector unit 12 channel AC/DC.						
42	011690	450.00	Numbers	1012.00	455400.00	18.00	537372.00
	<b>Description:-</b> Erection, Fitting and Rail connection of Track Lead junction Box on two supports (M.S.angle) with contractor's fixing material and PVC jacketed wire for track lead connection including angles of size 40x40x5mm 1200mm length. This will include drilling of holes for track lead/side connections of rail. The work shall be carried out as per Drg. No.SK-845 or / & instructions of Rly engineer at site.						
43	011700	1000.00	Numbers	134.00	134000.00	18.00	158120.00
	<b>Description:-</b> Provision of bounding with contractor's PVC jacketed wire rope for Track Lead connections. PVC jacketed wire rope should be of Galvanised steel wire rope 6 mm dia (6x19 stranded wire with steel core of 6mm 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 or recycled material should not be used. This will include drilling of 7.1mm dia holes in rails (4 Nos) and provision of two jumpers for each bond, clipping of bonds etc. with contractors own materials and tools as per instruction of Rly engineer at site.						
44	011710	1000.00	Numbers	122.00	122000.00	18.00	143960.00
	<b>Description:-</b> Provision of bounding with GI wire 4mm dia (8 SWG) for track jumper & fish plate joints bonds. This will include drilling of 7.1mm dia holes in rails (4 Nos) and provision of two jumpers for each bond, clipping of bonds etc. with contractors own tools as per instruction of Rly engineer at site.						
45	011800	9.00	Set	19374.00	174366.00	18.00	205751.88
	<b>Description:-</b> Installation of Axle counter (Digital)/Central Evaluator,wiring from CT rack to central evaluator, installation and wiring of indoor & outdoor reset box and wiring the power supply including supply of 2 core shielded cable of required size copper conductor as per IRS S 76/89 or IS694/1977 as applicable with other accessories. NOTE: Installation/programming/configuration/commissioning of Axle counter equipment to be carried out in accordance with latest guidelines issued by Railway/RDSO preferably by Authorised representative of OEM.						
46	011810	40.00	Set	10841.00	433640.00	18.00	511695.20
	<b>Description:-</b> Installation of EJB and Track devices of Digital Axle counter including digging of trench, drilling of holes, if required on rail, laying of Doubled walled antirodent corrugated pipe, Medium class from track device to location box and making its terminations. (DWC pipe made up of High density polyethylene of 60mm outer dia of suitable length and all other accessories as per site requirement to be supplied by firm.) NOTE: Installation/programming/configuration/commissioning of Axle counter equipment to be carried out in accordance with latest guidelines issued by Railway/RDSO preferably by Authorised representative of OEM.						
47	011820	40.00	Set	9250.00	370000.00	18.00	436600.00
	<b>Description:-</b> Fixing of track devices (Transmitter coil and receiver coil) to the rails, fixing of EJB in the location connection of track device to EJB using DWC pipe of suitable length and wiring of EJB, testing and adjustment of transmitter and receiver to obtained required channel level as per standard practices on C.rly and instruction of Rly Engineer on site.						
	011830	80.00	Per Detection Point (DP)	2269.00	181520.00	18.00	214193.60

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48	<b>Description:-</b> Installation, wiring & /commissioning of Multi section Digital Axle counters's central unit/Evaluator/Processor for the section/at station including its associated all indoor equipments, Indication panel, monitoring console/interface computer and wiring the same to integrate with the relay circuits including supply required power cable of multistrand 10 sq.mm or more from power room to central evaluator, 2 core shielded cable of required size copper conductor as per as per IRS (S)76/89(Amd.3). or IS 694/2010. with latest amendment as applicable with other accessories as per the instruction of Rly engineer at site and earthing as per OEM's technical requirement and specifications. This also includes laying & termination of cable, if any from panel Room to Axle counter room/Relay room in DWC pipe with contractor's material/existing ladder.						
49	011840	1.00	Station	5895.00	5895.00	18.00	6956.10
	<b>Description:-</b> Installation, wiring & Testing / commissioning of Axle counters Reset Box of all types in Cabin/Panel Room and wiring the same to integrate with the axle counter as per instructions of Railway Engineer at site. This includes laying & termination of cable, if any from Panel Room/Axle counter room/ Relay Room to Reset Box in DWC pipe/existing ladder.						
50	011900	20.00	Set	3862.00	77240.00	18.00	91143.20
	<b>Description:-</b> Refixing of electrical point machine, ground connection during phase working (Non interlocked working) after removing the existing fitting if any, adjustment if necessary, cable termination, wiring, testing and commissioning of electrically operated point, fixing and connecting point indicator on derail switch if necessary. The work shall be done as per extant practice on C.Rly & the instruction of Rly engineer at site. Unit(PER T/O=1 set)						
51	011910	80.00	Set	2709.00	216720.00	18.00	255729.60
	<b>Description:-</b> Fixing of point machine on newly laid turnout on Wooden/MBC sleepers, fixing of ground connections, adjustment and testing with crank handle operations, Removal of ground connection & point machines duly numbered. This will include fixing of bend pipes with welded frame for cable entry to machine. This will also includes necessary adjustment and smithy work, drilling of holes to tounge rails, fitting of insulation for tounge attachment, gauge plate & stretcher bars, cable termination & wiring if required. The work shall be done as per extant practice on C.Rly & the instruction of Rly engineer at site. Unit(PER T/O=1 set)						
52	011920	20.00	Numbers	2451.00	49020.00	18.00	57843.60
	<b>Description:-</b> Installation, fixing and wiring of Boxes for key Lock Relays with contractor's wiring & fixing material. The work shall be done as per extant practice on C.Rly & the instruction of site engineer.						
53	011930	2000.00	cum	291.00	582000.00	18.00	686760.00
	<b>Description:-</b> Excavation of cable trench as per cable route plan, 1.0 mt. deep and 300mm wide along side the track in normal soil/strata, conforming to distances as per cable route plan and refilling after cable laying. This work includes covering of cable laid to trench by loose soil for a layer of 50mm thickness after clearing of route, bushes etc. It shall be ensured that top of the cables laid is at a depth of 0.8 m or more. If it is less, then the width and depth shall be suitably increased and accordingly proportionate payment shall be made. In case depth of trench is not achievable due to site conditions, proportionate payment will be made as per procedure. The work shall be done as per extant practice on C.Rly & the instruction of Railway engineer at site. Drg No SK 805						
54	011940	500.00	cum	491.00	245500.00	18.00	289690.00
	<b>Description:-</b> Excavation of cable trench as per cable route plan, 1.0 mt. deep and 300mm wide along side the track in hard soil, conforming to distances as per cable route plan and refilling after cable laying. This work includes covering of cable laid to trench by loose soil for a layer of 50mm thickness after clearing of route, bushes etc. It shall be ensured that top of the cables laid is at a depth of 0.8 m or more. If it is less, then the width and depth shall be suitably increased and accordingly proportionate payment shall be made. In case depth of trench is not achievable due to site conditions, proportionate payment will be made as per procedure. The work shall be done as per extant practice on C.Rly & the instruction of Railway engineer at site. Drg No SK 805						
55	011950	20.00	cum	2438.00	48760.00	18.00	57536.80
	<b>Description:-</b> Cutting of all types of Roads/platforms (except concrete type) for trenching and excavation to depth of 300mmx300mm wide approx. and refilling after laying of RCC/GI/DWC pipe & to restore them to original condition. The work shall be done as per extant practice on C.Rly & the instruction of Railway engineer at site. Drg No SK 807						
56	011970	350.00	cum	504.00	176400.00	18.00	208152.00
	<b>Description:-</b> Digging of trench 1.0 M deep from rail flange/road level (for LC) and, 0.3 Mtr to 0.6 Mtrs wide and back filling after placing of DWC/RCC/GI pipe. (Placing of DWC/RCC/GI pipe covered separately). The ballast disturbed be screened and dressed as required by Engineer-in-charge or his representatives and road tarred immediately. Drg No SK 806						
57	011980	3000.00	Metre	49.00	147000.00	18.00	173460.00
	<b>Description:-</b> Laying of DWC/RCC pipes alongwith collars / RCC Half round pipes in trenches at places of track and road crossings, platform cutting etc.						
58	011990	800.00	Kilometre	4542.00	3633600.00	18.00	4287648.00
	<b>Description:-</b> Laying of signalling/Power/Telecom cable of various cores/sizes in trenches.						

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59	012010	10000.00	Numbers	56.00	560000.00	18.00	660800.00	
	<b>Description:-</b> Laying of RCC Trunking and capping and sealing after cable laying as per std practice on C.Rly & the instruction of site engineer.							
60	012040	200.00	Metre	1703.00	340600.00	18.00	401908.00	
	<b>Description:-</b> Provision of brick masonry duct as per Rly.Drg.No.PA/N/CN/STD/19 (modified) after cutting of platform/excavating the earth for the duct with contractor's own materials and restoring the excavated earth to its original condition.							
61	012050	100.00	cum	4419.00	441900.00	18.00	521442.00	
	<b>Description:-</b> "Where ever depth of 0.5 m cable trench is not feasible, cable shall be protected as under:- Preparation of cement mixture 1:3:6 with contractor's own materials and spreading cement concrete mixture layer of 100 mm thick over the already laid cables in the excavated trench."							
62	012060	9000.00	Numbers	16.00	144000.00	18.00	169920.00	
	<b>Description:-</b> Fixing of modular terminal/fuse blocks alongwith all accessories with provision of fixing holes on hylam sheets/side angles of Loc Box and fixing by galvanised nuts & bolts. This includes fixing on DIN channel alongwith PVC Comb type 'C' channel (size 2 inch x 2 inch) for cable termination of modular terminal. The PVC channel with cover to be supplied by firm as required. The work shall be done as per the instruction of Rly engineer at site.							
63	012080	1200.00	Metre	116.00	139200.00	18.00	164256.00	
	<b>Description:-</b> Laying of GI pipes in on bridges/culverts/concrete drain/ mountain ridges etc. with suitable GI bend shall be provided where there is turning of pipe as per instructions of the site engineer. GI Clamps at every 2 m as shown in the drawing to be fixed. Suitable holes to be made in the pipe before laying as per instructions of the site engineer. 100 mm dia. Drg No SK 808							
64	012100	10.00	Set	1668.00	16680.00	18.00	19682.40	
	<b>Description:-</b> Releasing of cables from old location boxes and taking it into new location boxes. This includes excavating the earth to release the cables. From old location box for taking it into new location. This also includes releasing the old location box and bringing it to nearest station/central cabin. Location (old) will be released only after ensuring all working cables have been shifted in New location. Unit(Per location=1 set)							
65	012110	200.00	Numbers	102.00	20400.00	18.00	24072.00	
	<b>Description:-</b> REMOVAL OF PSC/Wooden SLEEPERS coming in the way of/route of cable trenching, signal/Location foundation/Track Crossing etc. These obstruction will be removed by contractor for ensuring proper execution of related works.							
66	012160	8000.00	Metre	2175.00	17400000.00	18.00	20532000.00	
	<b>Description:-</b> Horizontal boring of cable duct of minimum 2.0 Mtr depth along with laying of 120mm HDPE pipe for track crossing with minimum depth reckoned from bottom of the rail/Road crossing with minimum depth reckoned from ground level. The work shall be done as per extant practice & instructions of site engineer. Preparation of site for Horizontal Boring shall be carried out in presence of Railway Representative. HDPE will be supplied by Railway. Note:- Contractor shall provide all material required for boring and adequate nos. of labours for proper laying of cables into the bore. Cable shall be laid cautiously so that it should not get damage due to rough handling & pressure on cable.							
67	012170	1000.00	Metre	1497.00	1497000.00	18.00	1766460.00	
	<b>Description:-</b> Horizontal boring of cable duct of minimum 2.0 Mtr depth along with laying of 120mm HDPE pipe for Other location with minimum depth reckoned from the ground level. The work shall be done as per extant practice & instructions of site engineer. Preparation of site for Horizontal Boring shall be carried out in presence of Railway Representative. HDPE will be supplied by Railway. Note:- Contractor shall provide all material required for boring and adequate nos. of labours for proper laying of cables into the bore. Cable shall be laid cautiously so that it should not get damage due to rough handling & pressure on cable.a) BORING upto the length of 150mtrs. Preparation of site for Horizontal Boring shall be carried out in presence of Railway Representative.							
68	012180	1000.00	Metre	1905.00	1905000.00	18.00	2247900.00	
	<b>Description:-</b> Horizontal boring of cable duct of minimum 2.0 Mtr depth along with laying of 120mm HDPE pipe for Other location with minimum depth reckoned from the ground level. The work shall be done as per extant practice & instructions of site engineer. Preparation of site for Horizontal Boring shall be carried out in presence of Railway Representative. HDPE will be supplied by Railway. Note:- Contractor shall provide all material required for boring and adequate nos. of labours for proper laying of cables into the bore. Cable shall be laid cautiously so that it should not get damage due to rough handling & pressure on cable.b)BORING beyond of 150mtrs. Preparation of site for Horizontal Boring shall be carried out in presence of Railway Representative.							
69	012190	120.00	Numbers	290.00	34800.00	18.00	41064.00	

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	<b>Description:-</b> Termination of Tail cable inside the point machine through bend pipe this includes preparatory work of pulling the cables, and peeling out the insulation, dressing and lacing after termination etc., pulling of tail cable as per circuit requirement inside point machine through bend pipe, termination of cables on terminal blocks as per instruction of site supervisor the cable shall be entered in such a way that, armouring shall protect the cable near sharp edge of entry point and armouring shall be clamped between pipe fixing bracket and boy of point machine.						
70	012260	3000.00	Metre	29.00	87000.00	18.00	102660.00
	<b>Description:-</b> Laying of RCC half round cement pipe of approximate size (150/300 mm dia X 2 Meter length) inside the trench after laying of cable. Pipes shall be placed as per directives of engineer.						
71	012270	200.00	Hour	1191.00	238200.00	18.00	281076.00
	<b>Description:-</b> Providing Road Breaker/concrete breaker/boulder or rock breaker with compressor & Jack Hammer for Railway work such as cutting & dismantling of road concrete/Brick pucca structure (RCC/Steel section) including contractors fuel, driver and all other charges completed as directed by Engineer in charge						
72	012360	200.00	Numbers	360.00	72000.00	18.00	84960.00
	<b>Description:-</b> Painting two coats of synthetic enamel paint over one coat of primer on the following after scrapping and cleaning of the surface wherever necessary with contractor own supply of paints. Wherever required contractor shall apply coating of epoxy paint also as per instructions of site-in-charge. Epoxy will be supplied by Railways. NOTE:- The paint and primer should be from M/s Asian paints Co. Ltd.,. The paints will be primer (IS 5660 of 1970) the Aluminium synthetic black enamel (IS 2932 of 1974) brilliant white and yellow Painting two coats of enamel paint over one coat of primer.(i)Apparatus Cases Full size.						
73	012370	50.00	Numbers	265.00	13250.00	18.00	15635.00
	<b>Description:-</b> Painting two coats of synthetic enamel paint over one coat of primer on the following after scrapping and cleaning of the surface wherever necessary with contractor own supply of paints. Wherever required contractor shall apply coating of epoxy paint also as per instructions of site-in-charge. Epoxy will be supplied by Railways. NOTE:- The paint and primer should be from M/s Asian paints Co. Ltd.,. The paints will be primer (IS 5660 of 1970) the Aluminium synthetic black enamel (IS 2932 of 1974) brilliant white and yellow Painting two coats of enamel paint over one coat of primer.(ii)Apparatus Cases Half size.						
74	012380	70.00	Numbers	594.00	41580.00	18.00	49064.40
	<b>Description:-</b> Painting two coats of synthetic enamel paint over one coat of primer on the following after scrapping and cleaning of the surface wherever necessary with contractor own supply of paints. Wherever required contractor shall apply coating of epoxy paint also as per instructions of site-in-charge. Epoxy will be supplied by Railways. NOTE:- The paint and primer should be from M/s Asian paints Co. Ltd.,. The paints will be primer (IS 5660 of 1970) the Aluminium synthetic black enamel (IS 2932 of 1974) brilliant white and yellow Painting two coats of enamel paint over one coat of primer.(iii)Main signal post with signal Units, Surface base and complete fittings as per Centre Railways standard practice.						
75	012390	60.00	Numbers	141.00	8460.00	18.00	9982.80
	<b>Description:-</b> Painting two coats of synthetic enamel paint over one coat of primer on the following after scrapping and cleaning of the surface wherever necessary with contractor own supply of paints. Wherever required contractor shall apply coating of epoxy paint also as per instructions of site-in-charge. Epoxy will be supplied by Railways. NOTE:- The paint and primer should be from M/s Asian paints Co. Ltd.,. The paints will be primer (IS 5660 of 1970) the Aluminium synthetic black enamel (IS 2932 of 1974) brilliant white and yellow Painting two coats of enamel paint over one coat of primer.(iv)Shunt signal post with signal unit, surface base as per central Railway's Standard Practice.						
76	012400	450.00	Numbers	69.00	31050.00	18.00	36639.00
	<b>Description:-</b> Painting two coats of synthetic enamel paint over one coat of primer on the following after scrapping and cleaning of the surface wherever necessary with contractor own supply of paints. Wherever required contractor shall apply coating of epoxy paint also as per instructions of site-in-charge. Epoxy will be supplied by Railways. NOTE:- The paint and primer should be from M/s Asian paints Co. Ltd.,. The paints will be primer (IS 5660 of 1970) the Aluminium synthetic black enamel (IS 2932 of 1974) brilliant white and yellow Painting two coats of enamel paint over one coat of primer.(v)Track lead Junction Box. (Black enamel outside only)						
77	012410	10.00	Numbers	122.00	1220.00	18.00	1439.60
	<b>Description:-</b> Painting two coats of synthetic enamel paint over one coat of primer on the following after scrapping and cleaning of the surface wherever necessary with contractor own supply of paints. Wherever required contractor shall apply coating of epoxy paint also as per instructions of site-in-charge. Epoxy will be supplied by Railways. NOTE:- The paint and primer should be from M/s Asian paints Co. Ltd.,. The paints will be primer (IS 5660 of 1970) the Aluminium synthetic black enamel (IS 2932 of 1974) brilliant white and yellow Painting two coats of enamel paint over one coat of primer.(vi)Point Machine with ground connections complete (Point Machine with Black enamel only outside and ground connections with Red Oxide)						
	012430	840.00	Numbers	47.00	39480.00	18.00	46586.40

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78	<b>Description:-</b> Lettering / Numbering of Signals, Point Machine, Track Lead junction Boxes, Block joints, Apparatus Cases etc.(each item to be taken as One Unit) This work will be carried out as per the standard practice being followed in Central Railway.							
79	012440	200.00	Numbers	220.00	44000.00	18.00	51920.00	
	<b>Description:-</b> Lettering / Numbering Termination particulars, equipments names etc., legibly and neatly inside location boxes.(a)Full Case.							
80	012450	50.00	Numbers	121.00	6050.00	18.00	7139.00	
	<b>Description:-</b> Lettering / Numbering Termination particulars, equipments names etc., legibly and neatly inside location boxes.(b)Half Case.							
81	012470	2.00	Lot	25736.00	51472.00	18.00	60736.96	
	<b>Description:-</b> Installation Testing and Commissioning of Fire Detection, Aspiration including flame sensor, LHS Cable flame sensor aspiration type smoke sensor as per RDSO SPN No.RDSO/SPN/217/2018 Version No.: 2.0. This includes Control module for the Control Unit, Monitor Module for the Control Unit. LHS Interface should be a microprocessor based start point device that communicates between LHS Cable and Control Unit should be an intelligent device that will monitor LHS cable for continuity and over temperature fire signatures. This also includes supply, Installation, Testing and Commissioning of Integrated Remote Monitoring System Software for complete as per specifications, for integrating, Fire Alarm System, VESDA System for monitoring at Division head quarter.							
82	012540	20000.00	Set	49.00	980000.00	18.00	1156400.00	
	<b>Description:-</b> Transportation of signaling material/equipments including loading and unloading in 10MT vehicle, anywhere to anywhere, and stacking at destination as per instructions of SSE in-charge as per inventory. For carrying heavy materials like cable drums, DG set, Electrical lifting barrier pedestal, IPS, Batteries, Point machine etc.Unit(Per Ton/Per KM=1 set)							
83	012550	5000.00	Set	4.00	20000.00	18.00	23600.00	
	<b>Description:-</b> Loading, un-loading & transportation of material from the stores of SSE(SIG) depot or any other nominated place & vice-versa. Unit(Per Ton/Per KM=1 set)							
84	012560	10.00	Kilometre	5462.00	54620.00	18.00	64451.60	
	<b>Description:-</b> Laying of HDPE duct in trench and its protective work as per direction of site engineer.							
85	012570	10.00	Kilometre	11607.00	116070.00	18.00	136962.60	
	<b>Description:-</b> Blowing/Drawing of OFC cable in HDPE/DWC duct and protective work, as per direction of site engineer.							
86	012580	5.00	Numbers	5488.00	27440.00	18.00	32379.20	
	<b>Description:-</b> Splicing (Joining 2X24 F OFC) and testing of 24 fibre OF Cable and making the splice joint as per direction of site engineer with contractors own splicing machine & tools. Splice loss of each fibre should be less than or equal to 0.05db splice reflectance should be better than 60 db.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule () C-Schedule C (Non SOR Supply &amp; Execution Portion)</b>							108593966.59	Above/ Below/P ar
1	Please see Item Breakup for details.			100517004.90	AT Par	100517004.90		
	<b>Description:-</b> Design, manufacture & supply of HOT stand-by Architecture Electronic Interlocking(EI)system complete as per RDSO SPN No. RDSO/SPN/203/2011 Ver.1 OR RDSO/SPN/192/2019 or Ver.2.0 with latest ammendment, as per technical requirement & tentative approved Signalling Plans & Diagrams. Electronic interlocking (EI)system mainly consisting of central processing equipment, interface equipment /relays etc. as per requirements, Dual operator Industrial Grade VDU Panel (55"LED or more) with Redundancy (HOT stand-by dual VDU normally one system on line and other system in stand-by mode) All interfacing relays suitable for EI, interconnecting cables & Jumper wires, Industrial grade maintenance Terminals (32"LED with UPS minimum 1 hr back up), required power supply converters for EI equipments, protocol Converter for Data Logger, Housing for EI equipment & relay racks,fuses ,screw less disconnecting type terminals, fixture mounting arrangements & accesories necessary to make the EI system functional as per approved signaling plan. The tenderer should furnish complete details of cards/modules/sub-modules connectors etc. for each station. Supply of 15% essential spares of the EI equipments subject to minimum one of each type mainly consisting of processor,cards/ module, interface relay etc. Item wise detailed break up with unit and quantity to be provided in separate annexure. (Insp Agency -RDSO)							
2	2	40.00	Numbers	42784.16	1711366.40	AT Par	1711366.40	
	<b>Description:-</b> Supply, installation, wiring and commissioning of bumpless power supply auto changeover device complete along with accessories using contractor'sown wiring and fixing materials as per following configurations: 1. Power supply -AC/DC 2. Voltage 24V -150V 3. Current upto 45A. Note: it should be compatible for MSDAC.(Insp Agency - Consignee)							



**DYCSTE-C-NGP-S AND T/CENTRAL RLY  
TENDER DOCUMENT**

**Tender No:** NGP-NC-CR-SNT-C-S-03-2026

**Closing Date/Time:** 23/07/2026 15:00

3	3	40.00	Numbers	12825.86	513034.40	AT Par	513034.40	
	<b>Description:-</b> Supply of DC module along with DC -DC Converter 110V to 24-40 V/5Amp (suitable for digital axle counter) for IPS. Note: Make of IPS (Statcon/HBL/Amarraja) & Qty to be supplied as per instructions of Site Engineer. (Insp. Agency: : RDSO)							
4	4	40.00	Numbers	5367.88	214715.20	AT Par	214715.20	
	<b>Description:-</b> Fixing of DC-DC converter module and change in internal wiring of IPS to suite DC-DC converter .							
5	5	300.00	Numbers	1180.94	354282.00	AT Par	354282.00	
	<b>Description:-</b> Transporting and supply and installation of concrete(RCC) route indicators at intervals of 50 meters as per technical specification. They should be standard RCCwith Letters on one side "CR" and other side "S&Tcables" as per drawing SK 12/10 of RVNL SC. In caseof Telecom quad cable joint locations, it shall be painted with RED colour.(Insp Agency - Consignee)							
6	6	500.00	Man-Days	561.26	280630.00	AT Par	280630.00	
	<b>Description:-</b> Deployment of Manpower like un-skilled Labour for to work in emergencies or as required during cable shifting, finding the existing cable route, shifting & placing of materials in depot etc.							
7	7	500.00	Man-Days	620.54	310270.00	AT Par	310270.00	
	<b>Description:-</b> Deployment of Manpower like skilled Labour for supervision & technical support in emergencies or asrequired during cable shifting, finding the existingcable route etc.							
8	8	4.00	Numbers	37370.66	149482.64	AT Par	149482.64	
	<b>Description:-</b> Supply of 19" (approx) covered racks,Vero President/Rittel make or similar having size of approximately2.2 Mtr. Height x 600mm width x 600mm depth (sizemay varies according to site requirement) and dulyapproved by the engineer in charge of the work. Therack shall be complete with all fittings for housingKLCR equipment, Reset Boxes, Crank Handle, WagoTerminals , other Misc Indication Panel Equipments likerunway ladders etc. (fan and power supplyarrangement etc.) completely wired and equipped withLEDs and push Buttons for all KLCRs as per technicalspecification and other stipulations of tenderdocument. It should be possible to lock all theequipment. Before supply the sample of the sameshall be approved by engineer in charge (Insp. agency- Consignee)							
9	9	10.00	Numbers	46299.42	462994.20	AT Par	462994.20	
	<b>Description:-</b> Supply of Multi Lamp Route Indicator (LED Single Digit) from 1 to 9 with white LED (without housing); details- Single digit LED route indicator capable of displaying 1 to 9, visibility of 400 m in clear day light, option for white colors chromaticity as per BS-1376 standard, LED's with junction temperature > 100 degree C, lamp proving compatible with normal bulb type multi lamp route indicator, retrofits the existing conventional multi lamp type route indicators, input operating voltage 110V AC +-20%, uniform intensity over entire operating range operating temperature -10 degree C to +60 degree C. (Insp agency: Consignee)							
10	10	8.00	Numbers	7527.09	60216.72	AT Par	60216.72	
	<b>Description:-</b> Steel cupboard (plain storwel) size 6' x 3' Godrej Make or similar .(Insp Agency - Consignee)							
11	11	4.00	Numbers	7177.81	28711.24	AT Par	28711.24	
	<b>Description:-</b> Supply of Panel Operator/Relay room chair Model PCH-7001 Godrej make or similar. (Insp Agency - Consignee)							
12	12	8.00	Numbers	8461.41	67691.28	AT Par	67691.28	
	<b>Description:-</b> Supply of Panel Operator/Relay room record table T-102 Godrej make or similar. (Insp Agency - Consignee)							
13	13	12.00	Numbers	5147.65	61771.80	AT Par	61771.80	
	<b>Description:-</b> Supply of chair model PCH-7003 Godrej make or similar.(Insp Agency - Consignee)							
14	14	12.00	Numbers	1188.49	14261.88	AT Par	14261.88	
	<b>Description:-</b> Supply of steel stools Godrej make Model No. ST2 or equivelant.(Insp Agency - Consignee)							
15	15	2.00	Numbers	409967.67	819935.34	AT Par	819935.34	
	<b>Description:-</b> Radiodetection Precision Pipe and Cable locator / Route tracer. Brand: Radiodetection Make -RD8200G or similar (Insp By consignee)							
16	16	250.00	Sqm	1106.94	276735.00	AT Par	276735.00	
	<b>Description:-</b> Supply of insulation mat (Rubber Mat) for electrical purpose 2.5 mm thick size 2m x 1 m suitable for 3.3 KV to 11 KV (Class B) conforming to IS 15652-2006. (Insp. Agency - Consignee)							
	17	2.00	Numbers	188382.87	376765.74	AT Par	376765.74	

**DYCSSTE-C-NGP-S AND T/CENTRAL RLY  
TENDER DOCUMENT**

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17	<b>Description:-</b> Supply of Gallant make modular power supply Arrangement for VDU (42" - 85") and Industrial PC (Embedded PC) with Input and Output Redundancy Arrangement and Hot gable Modules. Consisting of: 1.Input O-Ring Diode Module with Potential Free-1 Nocontacts (PFC) for two 110VDC Sources from IPS and Single 110VDC bus. 2. Isolated Inverters (Master/Slave) -2 Nos. Input: 110VDC, Output:120VAC/220VAC 500VA 3. Isolated DC-DC Converters-2 Nos. Input:110VDC, Output:24VDC/10A. 4. 3U SSRack with back Panel Mother Board/ Front Panel PowerConnectors Inverter Auto Change Over Switch and all required over Switch and all required protection circuits as per RDSO specifications. (Insp Agency-RDSO)							
18	18	1.00	Numbers	190000.00	190000.00	AT Par	190000.00	
	<b>Description:-</b> Supply , fabrication, installation and fixing of panel operator consol with arrangement to fix upto 55" VDU's-2 Nos. Reset boxes and other S&T gadgets. This shall be made of not less than 18mm thick plywood/novopan or better materials with sotrage facility of approved clolors with contractors' materials, lead, lift and manpower as per the instructions of engineer in incharge and as per the enclosed drawing.(Insp Agency- consignee)							
19	19	5.00	Numbers	8021.67	40108.35	AT Par	40108.35	
	<b>Description:-</b> Preparation of station Working Rules ,CRS minor sanction papers as practice in Railways for Yards/LC Gate/IBH based on appoved SIP &RCC . The firm has to submitt one set for corrections &approval and after making desired corrections as advised by Rly.The firm will submit one set for signing & then 05 set xerox copies with Spiral Binding. (Note: Unit to be treated as Per Station)							
20	20	200.00	Metre	1098.14	219628.00	AT Par	219628.00	
	<b>Description:-</b> Fixing of Tie Bar Fencing panels supplied by Railways dulytransporting to the site (Goomties /Mid section Locations) fromCentralised location. Cutting, drilling, jointing with nut and boltswherever required as per site requirement for protecting goomties/location boxes. After fixing of the tie bar, panels to be painted withtwo coats of aluminium paint and levelling the earth wherever required. All required materials other than tie bar fencing panelsshould be arranged by the contractor/agency.							
21	21	40.00	Numbers	1745.35	69814.00	AT Par	69814.00	
	<b>Description:-</b> Excavation of pit to size of 450mmx 450 mm x 450mm andconcreting the same with 1:3:6 aggregate 20mm for erecting the tiebar fencing panels, curing and white washing the foundations.							
22	22	30000.00	Numbers	11.00	330000.00	AT Par	330000.00	
	<b>Description:-</b> Supply of ferrules of different color, printing termination details/functions in different colours as per Railway specification and installation in location box CTR and power board etc. All the materials required for the work shall be supplied by the contractor. (Insp. Agency: : Consignee)							
23	23	2.00	Set	101244.00	202488.00	AT Par	202488.00	
	<b>Description:-</b> Printer LM550A3/PC (IND)including: LM-IR50B-AS Ink Ribbon Black m(110m/Roll)-1 Pc. , LM-RC500 Ink Ribbon Case- 1 Pc., Half Cutter Unit- 1 Pc , Carrying Case -1 Pc, Operation Manual- 1 No., Adapter & Power Cord -1 Pc., Printer Cable - 1 Pc.(Insp. Agency: : Consignee)							
24	24	50.00	Numbers	26441.19	1322059.50	AT Par	1322059.50	
	<b>Description:-</b> Fixing, wiring, testing and commissioning of Electrical Point Machine on the extended sleepers at points as per std. practice and as perRDSO Drg No. SA 9151-52 or 9710 or9161 or 10800 or 11000 as per sectionof rails used. Item includes fixing switch extension bracket, providing insulation for switch extension bracket,fixing ground connection, adjusting opening of the switches and adjusting the point machine with crank handle.The item also includes :(i)Complete material for installation like ground-connections, switch extension brackets, point insulation material, I pipes, wiring materials,various fixing nuts & bolts including castle nuts, spring washers (ii) All smithy & fitting works required at site for complete installation. (iii)Installation of gauge tie plate & providing insulation for gauge tie plate (Insulation in William Stretcher Bar will be Provide by Railways). (iv) Wiring inside the point machine, insertion and termination of tail cable in point machine and junction boxes / location box /cable hut as per extent practice on NWR and the instruction of Railway Engineer at site. (v) Supply and fixing of suitable size GI pipes with flange for taking cable into point machine. Note ;The ground connections shall be suitable to the Point Machines as specified by Engineer-in-charge and shall be suitable to the point lay out i.e. 60 Kg. / 52 Kg / 90R as per yard layout. Electrical Point Machine and M-6 / Screw less terminals will be supplied by Railways / covered in Schedule separately.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule () D-Schedule D (MSDAC &amp; SSDAC) SOR Item</b>							36515949.60	Above/ Below/P ar
	013110	80.00	Per Detection Point (DP)	288366.00	23069280.00	18.00	27221750.40	

**DYCSTE-C-NGP-S AND T/CENTRAL RLY  
TENDER DOCUMENT**

**Tender No:** NGP-NC-CR-SNT-C-S-03-2026

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1	<b>Description:-</b> 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: a) System must have remote monitoring and health diagnostics feature as per RDSO specification. b) Surge protection device, 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 a) Double rail contact of standard length of cable as per site requirement and mounting accessories - Equal to no. of DP. b) Deflectors to safe guard Rail contact will be TWICE the no. of DPs. c) Protecting tube from DP to railhead as per requirement. d) Diagnostic PC as per specification and other accessories (as per Annexure-VI) e) Pre-wired cabinet/rack - No. as per site requirement. f) 6 nos. Electrostatic Discharge Wrist Band for cards/modules protection.							
2	013120	20.00	Numbers	393822.00	7876440.00	18.00	9294199.20	
	<b>Description:-</b> Supply of single section Digital Axle Counter (SSDAC) with two detection point with reset arrangement and vital relay box as per RDSO/SPN/177/2012 Ver.03 or Latest. Each set consist of following:- a) High frequency TX coil and RX coil (Each set consist of web mounting type TX coils-2 Nos. RX coils-2 Nos along with 10 mtr cable-2 sets), b)Track side digital axle counter unit.-2 nos. c) 24V 6F/4B, 1000 ohm "Q" type relay Box duly wired - 2 Nos. d) Clamp with detector plates and hardware etc-4 Nos e) Reset Box 2 Nos ii) Mushroom/Location Box suitable for housing Track side equipment (2 Nos.) 2) Transportation, Installation testing & commissioning:- Transportation, Installation testing & commissioning of equipment field training (one man day per set) at site or as desired by site Engineer. These includes:- a) Foundation & erection of Track side Equipment i.e. Mushroom/ Location Box (If required). This includes supply of all associated materials., b) Individual Earthing of all detection Point for the OEM recommended earth value certified by OEM site engineer. This includes supply & installation of maintenance free earth materials and exothermic bonding and other connecting cable etc as per Railway practice (As per RDSO Spec.no: RDSO/SPN/197/2008 or latest. Resetting equipment to the connected to the EI Ring earth. c) Installation to be carried out by OEM certified Engineer. 3) Tool Kit consisting of :- a) Digital True RMS multi meter of suitable make for above Digital Axle counter system with probe set- 1no b) Train Simulator (High frequency)-1 no c) Extender Card - 1 no d) Dummy wheel-1 no e) Different type of spanners suitable for above Digital Axle counter - 1 set f) Torque wrenches suitable for the aboe-1 no g) Screw driver set suitable for the above - 1 set. h) Carrying Bag for Tools - 1 no i) 6 nos Electrostatic Discharge Wrist Band for cards/ modules protection.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule () E-Schedule E (IPS) Non SOR</b>							5222787.20	Above/ Below/P ar
1	1	8.00	Numbers	652848.40	5222787.20	AT Par	5222787.20	
	<b>Description:-</b> Supply, installation, testing and commissioning of SMPS based Intergrated Power Supply (IPS) system as per RDSO Specification No. RDSO/SPN/165/2023 Ver 4.0 amendment 1.0along with surge protection device, status monitoring panel, spares , tool kit, LMLA battery consisting if 55 plus 5 cells (Cells as per RDSO spec. IRS:S-88/2004) along with battery stand. The configuration of IPS should be per NCR/HQ drawing No. TYP/2017/0002-11 for Relay hut/LSC with AFTC, Axle Counter and LC gate. This includes transportation to consignee depot, from consignee depot to site, installation and commissioning of integrated power supply system after duly filling pre commisioning check list jointly by RDSO approved vendor and Railway representative. (Insp Agency - RDSO)							

**3. ITEM BREAKUP**

<b>Schedule</b>	Schedule C-Schedule C (Non SOR Supply & Execution Portion)
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**DYCSTE-C-NGP-S AND T/CENTRAL RLY  
TENDER DOCUMENT**

**Tender No:** NGP-NC-CR-SNT-C-S-03-2026

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<b>Item- 1</b>	Design, manufacture & supply of HOT stand-by Architecture Electronic Interlocking(EI)system complete as per RDSO SPN No. RDSO/SPN/203/2011 Ver.1 OR RDSO/SPN/192/2019 or Ver.2.0 with latest ammendment, as per technical requirement & tentative approved Signalling Plans & Diagrams. Electronic interlocking (EI)system mainly consisting of central processing equipment, interface equipment /relays etc. as per requirements, Dual operator Industrial Grade VDU Panel (55"LED or more) with Redundancy (HOT stand-by dual VDU normally one system on line and other system in stand-by mode) All interfacing relays suitable for EI, interconnecting cables & Jumper wires, Industrial grade maintenance Terminals (32"LED with UPS minimum 1 hr back up), required power supply converters for EI equipments, protocol Converter for Data Logger, Housing for EI equipment & relay racks,fuses ,screw less disconnecting type terminals, fixture mounting arrangements & accesories necessary to make the EI system functional as per approved signaling plan. The tenderer should furnish complete details of cards/modules/sub-modules connectors etc. for each station. Supply of 15% essential spares of the EI equipments subject to minimum one of each type mainly consisting of processor,cards/ module, interface relay etc. Item wise detailed break up with unit and quantity to be provided in separate annexure. (Insp Agency -RDSO)					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	WARDHA (Note : Unit to treated as Vital Bits)	Numbers	1570.00	64023.57	100517004.90
					<b>Total</b>	<b>100517004.90</b>

#### 4. ELIGIBILITY CONDITIONS

**Important :** All documents uploaded and remarks / confirmation entered by the bidders against any eligibility condition shall be opened as part of technical bid only

##### Special Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Financial Eligibility Criteria: Shall be as per Para 10.2 of Advance Correction Slip No. 1 dtd 14-07-2022 of GCC April -2022. The tenderer must have minimum average annual contractual turnover of V/N or 'V' whichever is less; where V= Advertised value of the tender in crores of Rupees N= Number of years prescribed for completion of work for which bids have been invited. The average annual contractual turnover shall be calculated as an average of "total contractual payments" in the previous three financial years, as per the audited balance sheet. However, in case balance sheet of the previous year is yet to be prepared/ audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover. The tenderer shall submit requisite information as per Annexure - VIB, along with copies of Audited Balance Sheet duly certified by the Chartered Accountant / Certificate from Chartered Accountant duly supported by Audited Balance Sheet	No	No	Allowed (Mandatory)

##### Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The tenderer must have successfully completed or substantially completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, OR Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, OR One similar work each costing not less than the amount equal to 60% of advertised value of the tender. NOTE: The definition of "Similar Nature of Work" for this work is as under:- "Any Indoor or combined Indoor & Outdoor Signalling work including Design, Supply, Installation, testing and commissioning of Electronic Interlocking system for passenger carrying lines" OR "Any Indoor or combined Indoor & Outdoor Signalling work including Supply, Installation, testing and commissioning of Relay Interlocking (RRI/PI) system/ABS/IBS for passenger carrying lines."	No	No	Allowed (Mandatory)

**Bidders shall confirm and certify on the behalf of the tenderer including its constituents as under:**

S.No.	Description
1	I/we the tenderer (s) am/are signing this document after carefully reading the contents.

**DYCS-TE-C-NGP-S AND T/CENTRAL RLY  
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2	I/We the tenderer(s) also accept all the conditions of the tender and have signed all the pages in confirmation thereof.
3	I/we hereby declare that I/we have downloaded the tender documents from Indian Railway website www.ireps.gov.in . I/we have verified the content of the document from the website and there is no addition, no deletion or no alteration to the content of the tender document. In case of any discrepancy noticed at any stage i.e. evaluation of tenders, execution of work or final payment of the contract, the master copy available with the railway Administration shall be final and binding upon me/us.
4	I/we declare and certify that I/we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.
5	I/We also understand that my/our offer will be evaluated based on the documents/credentials submitted along with the offer and same shall be binding upon me/us.
6	I/We declare that the information and documents submitted along with the tender by me/us are correct and I/we are fully responsible for the correctness of the information and documents, submitted by us.
7	I/we certify that I/we the tenderer(s) is/are not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of submission of bids, either in individual capacity or as a HUF/ member of the partnership firm/LLP/JV/Society/Trust.
8	I/we understand that if the contents of the certificate submitted by us are found to be forged/false at any time during process for evaluation of tenders, it shall lead to forfeiture of the Bid Security and may also lead to any other action provided in the contract including banning of business for a period of upto two year. Further, I/we and all my/our constituents understand that my/our offer shall be summarily rejected.
9	I/we also understand that if the contents of the certificate submitted by us are found to be false/forged at any time after the award of the contract, it will lead to termination of the contract, along with forfeiture of Bid Security/Security Deposit and Performance guarantee and may also lead to any other action provided in the contract including banning of business for a period of upto two year.
10	I/We have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India and certify that I am/We are not from such a country or, if from such a country, have been registered with the competent Authority. I/We hereby certify that I/we fulfil all the requirements in this regard and am/are eligible to be considered (evidence of valid registration by the competent authority is enclosed)

**Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc.**

S.No.	Description
1	<b>Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc.</b> Please submit a certificate in the prescribed format (please download the format from the link given below). Non submission of the certificate, or submission of certificate either not properly filled in, or in a format other than the prescribed format shall lead to summary rejection of your offer. ( <a href="#">Click here</a> to download the Format of Self Certification)

## 5. COMPLIANCE

**Important :** All documents uploaded and remarks / confirmation entered by the bidders against any compliance condition shall be opened as part of technical bid only.

### Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per Tender Document & GCC April 2022 with Correction Slip	No	No	Allowed (Mandatory)
2	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	Yes	Allowed (Optional)

### General Instructions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per Tender Document & GCC April 2022 with Correction Slip	No	No	Not Allowed

### Special Conditions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per Tender Document & GCC April 2022 with Correction Slip	No	No	Not Allowed

**DYCSTE-C-NGP-S AND T/CENTRAL RLY  
TENDER DOCUMENT**

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**Technical-Compliances**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per Tender Document & GCC April 2022 with Correction Slip	No	No	Allowed (Mandatory)

**Undertakings**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per Tender Document & GCC April 2022 with Correction Slip	No	No	Not Allowed

**Custom**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Provision of Kavach ready Interface in Electronic Interlocking ( <a href="#">Click here to download Format</a> )	No	No	Allowed (Mandatory)

**6. Documents attached with tender**

S.No.	Document Name	Document Description
1	KAVACHpolicy.pdf	Kavach Policy
2	GCCApril-2022.pdf	GCC April 2022
3	GCCCorrectionSlip1to11upto13March2026Compressed_1.pdf	GCC April 2022 Correction Slip
4	TenderDocument032026.pdf	Tender Document
5	InspectionAgencyforSchA.pdf	Inspection Agency
6	CR_WARDHASIP08-05-2026.pdf	Wardha SIP

This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Industrial Promotion and Policy, Ministry of Commerce, circulated vide Railway Board letter no. 2015/RS(G)/779/5 dated 03/08/2017 and 27/12/2017 and amendments/ revisions thereof.

As a Tender Inviting Authority, the undersigned has ensured that the issue of this tender does not violate provisions of GFR regarding procurement through GeM.

**Signed By:** GAURAV AGARWAL

**Designation :** Dy.CSTECON