

**AHMEDABAD DIVISION-S AND T/WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** DRM-SnT-ADI-Sig05of26-27

**Closing Date/Time:** 20/07/2026 15:00

**DRM/S and T** acting for and on behalf of The President of India invites E-Tenders against Tender No **DRM-SnT-ADI-Sig05of26-27** Closing Date/Time 20/07/2026 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>	Design, Supply, Installation, Programming, Testing and commissioning of Electronic Interlocking (E.I) system in connection with Viramgam Upgradation of Indoor Signalling equipment by Electronic Interlocking system of Ahmedabad Division.		
<b>Bidding type</b>	Normal Tender		
<b>Tender Type</b>	Open	<b>Bidding System</b>	Two Packet System
<b>Tender Closing Date Time</b>	20/07/2026 15:00	<b>Date Time Of Uploading Tender</b>	22/06/2026 17:36
<b>Pre-Bid Conference Required</b>	No	<b>Pre-Bid Conference Date Time</b>	Not Applicable
<b>Advertised Value</b>	314868507.65	<b>Tendering Section</b>	W5
<b>Bidding Style</b>	Single Rate for Each Schedule	<b>Bidding Unit</b>	
<b>Earnest Money (Rs.)</b>	6297400.00	<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>	06/07/2026		
<b>Are JV allowed to bid</b>	Yes	<b>Number of JV Member Allowed</b>	3
<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 () C-Telecom Supply item.</b>							5000640.00	Above/ Below/P ar
1	1	12.00	Kilometre	92143.00	1105716.00	AT Par	1105716.00	
	<b>Description:-</b> Supply of 48 Fibre ARMOURED OPTIC FIBRE CABLE as per RDSO /SPN/TC/110/2020 rev.0 or latest							
2	2	24.00	Numbers	5439.00	130536.00	AT Par	130536.00	
	<b>Description:-</b> Supply of 2 x 24 fiber optic fiber splice straight joint enclosure (SJC) complete with all accessories as per RDSO/SPN/TC/ 68/2014, Rev.3 or latest amendment.							
3	3	24.00	Numbers	4835.00	116040.00	AT Par	116040.00	
	<b>Description:-</b> Supply of Pastorate pre-fabricated OFC jointing pits (RCC/PVC) size 0.6mx0.8mx1m. The material shall be supplied as per engineer in charge instructions.							
4	4	12.00	Kilometre	62884.00	754608.00	AT Par	754608.00	
	<b>Description:-</b> Supply of HDPE duct 40/33 mm as per RDSO/ SPN/TC/ 45 /2013 /Rev. 2.0 with latest amendments as per specification.							
5	5	2.00	Numbers	348072.00	696144.00	AT Par	696144.00	
	<b>Description:-</b> Supply of Standard 19" Rack Mountable -48V DC Working Add-Drop STM-4 SDH Equipment.							
6	6	1.00	Numbers	193619.00	193619.00	AT Par	193619.00	
	<b>Description:-</b> Supply of 2MB programmable primary digital drop insert multiplexer (webfil) as per RDSO specs. IRS-TC 68/2012 Amd 1 or latest							
7	7	10.00	Numbers	11765.00	117650.00	AT Par	117650.00	
	<b>Description:-</b> Supply of Connectors/Pig Tail/Patch cords/ MC/ LIU/ Patch Panels/Switch; with necessary accessories for termination/ splicing of OFC cable as per technical specification							
8	8	20.00	Numbers	870.00	17400.00	AT Par	17400.00	

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9	<b>Description:-</b> Supply of CLI push button telephones suitable for connection with way side equipment and the system mentioned above as per DOT/TEC specifications							
	9	6000.00	Metre	30.00	180000.00	AT Par	180000.00	
10	<b>Description:-</b> Supply of Single mode Optical Fiber cable 6 cores armoured.							
	10	6000.00	Running Metre	36.00	216000.00	AT Par	216000.00	
11	<b>Description:-</b> Supply of 25 mm dia. HDPE pipe (TEC spec. No. G/CDS-08/02, Nov'04 or latest) as per specification.							
	11	3050.00	Metre	36.00	109800.00	AT Par	109800.00	
12	<b>Description:-</b> Supply of SFTP CAT-6 Cable as per specification.							
	12	8.00	Numbers	45739.00	365912.00	AT Par	365912.00	
13	<b>Description:-</b> Supply of Fiber Distribution management System (FDMS) as per Technical Specification.							
	13	3500.00	Numbers	271.00	948500.00	AT Par	948500.00	
14	<b>Description:-</b> Supply of half RCC pipes of 150mm internal dia (2 meter long) along with collars as per IS No. 458/2003 of NP type (1meter x 2 Nos), as per technical specification.							
	14	20.00	Numbers	1764.00	35280.00	AT Par	35280.00	
15	<b>Description:-</b> Supply of 10 pair/12 pair wago based box and termination of 6 Quad cable as per specification.							
	15	100.00	Numbers	134.35	13435.00	AT Par	13435.00	
	<b>Description:-</b> Supply of Single mode LC-LC/LC-SC/SC-APC optical patch cord as per specification.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule () A1-SOR Supply item</b>							195485679.38	Above/ Below/P ar
1	01010100	1820.00	Per Functional Vital Bit	83238.19	151493505.80	AT Par	151493505.80	
	<b>Description:-</b> Design, manufacture and supply of Hot Standby Architecture Electronic Interlocking (EI) system i.e. Distributed or Centralized as per requirement of zonal railway, complete as per RDSO specification and as per attached technical requirement & tentative approved Signalling Plans & Diagrams. This include Central Processing Equipment , Interface Equipment, All Interfacing Relays suitable for EI, In-built event Logger, interconnecting cables and Jumper wires, Required power supply converters for EI equipments, Housing for EI equipments & relay racks , fuses , screw less disconnecting type terminals, fixture mounting arrangements, Industrial grade maintenance Terminals (32" LED or higher size with UPS minimum 1 hr back up with Printer) and other necessary accessories to make the EI system functional as per approved signalling plan. All items shall be supplied as per, per functional bit/station for functioning of EI. Negative variation in functional bit not permitted and for positive variation card wise/Modules etc. breakup should furnish by tenderer. Technical Requirement: 1. No of Bits Each station. 2. Architecture-Minimum 2 out of 2 3. Non vital I/O- can be used only for accessories where SIL-4 condition required. 4. Station less than 200 routes-RDSO/SPN/192/2019 Ver.2.0 with latest amendment. 5.Station greater than 200 routes - RDSO/SPN/203/2011 Ver1 or latest. Supply of 10% Essential spares of the EI equipments subject to minimum one of each type mainly consisting of processor, cards/ module, interface relay, DC-DC Convertors, Moxa switch, OFC Connectors, etc. Item wise detailed break up with unit and quantity to be provided in separate annexure. (The quantity involves 10% spare). Note : Rate does not include cost of VDUs and Embedded PC . Dual operator Industrial Grade VDU panel and Embedded PC will be taken separately.							
2	01010900	1.00	Set	147350.87	147350.87	AT Par	147350.87	
	<b>Description:-</b> Portable workstation for Data input & configuration with necessary software/ programs / Accessories, simulation and functional testing, diagnostics, and troubleshooting and commissioning of EI system. A suitable table and chair of a reputed make shall be supplied by the contractor. Note: The specification of the portable workstation shall be as per the Technical specification given in Annexure or higher version as approved by Engineer In-Charge. All the required software should be uploaded Licensed CD should be given along with the software. (Name of the reputed firm and technical specification shall be written in tender documents.)							
	01011000	1.00	Set	130201.33	130201.33	AT Par	130201.33	

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3	<b>Description:-</b> Instruments and Tool Kits required for Trouble Shooting and repair of hardware and software for the 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 screwdrivers, spanners, PCB extractor, temp. Controlled soldering iron, wire cutter, nose pliers, etc. Measuring instruments with carrying case/ holders/ cabinet for technicians/ J.E. for testing, Maintenance and repair at the site). Each set comprises the following: - 1. Crimping tool for all types of special cable assembly used in EI system. 2. Insertion tool for all types of special cable assembly used in EI system. 3 .Removal tool for all types of special cable assembly used in EI system. 4. Digital multimeter (Fluke 111 or better) 5. Steel cabinet/ Almira, Size: 1980mm height, 915 mm width and 485 mm depth (Godrej Make/Jalaram) of good quality to store tools, spare cards and documents.6. Clamp Earth Tester. 7. Clamp Current Meter.						
4	01080300	8.00	Numbers	58030.77	464246.16	AT Par	464246.16
	<b>Description:-</b> Supply of Smart Cabinet/Rack for Housing of Various S&T equipments like KLCR, Reset Box, IPS Indication Panel, CA VA Unit for FACS, SP AU for Point Reversal, Crank Handle, Quad Cable Earth Sensing Unit along with Fixing of KLCR (KLCR will be provided by Railway) as per instruction of Site Engineer, Make RITTAL, SANTEL, VERO , PRESIDENT, APC Schneider or similar reputed make						
5	01131200	300.00	Kg	121.63	36489.00	AT Par	36489.00
	<b>Description:-</b> Rubber Mat for Power Equipment room. (5mm thick).						
6	01020600	4.00	Set	52451.40	209805.60	AT Par	209805.60
	<b>Description:-</b> Failure Analysis & Fault Diagnostic software for data logger of 1024 digital inputs /4096 digital inputs.						
7	01020800	4.00	Set	29692.62	118770.48	AT Par	118770.48
	<b>Description:-</b> Provision of T-Networking/Dual card E1 to Serial Port (RS-232) convertor suitable to insert in the data logger / FEP euro rack for Networking to the Data Logger equipments. This includes supply of all equipment/ accessories required for the purpose.						
8	01021000	4.00	Numbers	33329.05	133316.20	AT Par	133316.20
	<b>Description:-</b> 750 VA Off line UPS with battery backup 3 Hours for Failure Analysis System of reputed make as per Engineer in-charge.						
9	01080600	24.00	Numbers	24008.12	576194.88	AT Par	576194.88
	<b>Description:-</b> Cable termination racks as per Drg. no. CSTE 5004, 5005, 5006 complete along with fitting arrangements and also with arrangement for fixing four 8-way terminal strips/ Screw less terminals on each row having 16 such rows. Supply of 8 way terminal strips/ Screw less terminals not covered under this item. Cable termination rack shall be Powder Coated.						
10	01070200	400.00	Numbers	5576.04	2230416.00	AT Par	2230416.00
	<b>Description:-</b> Miniature, Plug-in Type, DC Neutral Line AC Immunized Relay, Style QNA1, 24 V DC, 8F-8B/12F-4BContact, Code ABDGH/ABDFH Spec: BRS: 931A; IRS S 34; IRS S 23; IRS S 60-78.						
11	01071400	50.00	Numbers	9743.97	487198.50	AT Par	487198.50
	<b>Description:-</b> Key Lock Relay working on 24V DC, AC immunize with different ward combinations (Three ward plates to be supplied with each relay). Key ward shall be specified by engineer incharge as per requirement.						
12	01100900	5.00	Kilometre	136063.55	680317.75	AT Par	680317.75
	<b>Description:-</b> Flexible cable (Power wire), multi-strand copper conductors cross section (1x16Sq.mm).101 Conductors each diameter 0.45 +/- 0.01 as per IS 694/2010 with insulation thickness of 1.2mm nominal conductor resistance 1.127 Ohms/Km and test parameters as per IRS(S) 76/89 or latest.						
13	01101000	2.00	Kilometre	132505.12	265010.24	AT Par	265010.24
	<b>Description:-</b> Flexible cable (Power wire), multi-strand copper conductor's cross section 25 Sq. mm (0.4x196) as per specn. IS 694/2010 with latest amendment, and test parameters as per IRS(S) 76/89.						
14	01082501	10000.00	Numbers	58.53	585300.00	AT Par	585300.00
	<b>Description:-</b> Disconnect Terminal Block, Screw less type, as per RDSO Spec. No. RDSO/SPN/189/2004. With the latest amendments Disconnect Terminal Block, Screw less type, 4-wire front entry (Two in-put & Two out-put) The color will be decided by Engineer - in - Charge. (Preferably In Blue, Red & Grey Colors in the ratio of 1:2:3). as per RDSO Spec. No. RDSO/SPN/189/2004. With latest amendments. Note: Make to be approved by Railway before supply.						
15	01082502	410.00	Numbers	11.07	4538.70	AT Par	4538.70
	<b>Description:-</b> Disconnect Terminal Block, Screw less type, as per RDSO Spec. No. RDSO/SPN/189/2004. With the latest amendments Supply of End plate 2.5mm/0.091 in thick as per site requirement.						
16	01082503	820.00	Numbers	10.86	8905.20	AT Par	8905.20
	<b>Description:-</b> Disconnect Terminal Block, Screw less type, as per RDSO Spec. No. RDSO/SPN/189/2004. With the latest amendments Supply of End Stopper 10mm/0.0394 in width as per site requirement.						

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17	01082504	100.00	Numbers	113.88	11388.00	AT Par	11388.00	
	<b>Description:-</b> Disconnect Terminal Block, Screw less type, as per RDSO Spec. No. RDSO/SPN/189/2004. With the latest amendments Supply of Carrier Rails for above 35mm x 7.5mm, 1mm/0.039 in thickness un-slotted type as per site requirement.							
18	01082300	80.00	Each Module	29743.63	2379490.40	AT Par	2379490.40	
	<b>Description:-</b> Fuse auto changeover system for use in Railway Signaling System as per RDSO/SPN/209/2012 rev.1 with latest amendments. One Automatic changeover Unit comprises 32 nos. of external Non-Deteriorating Type or 'G' type fuses from 0.6 Amp to 4 Amp capacities which are in signaling circuits. The system shall have 8 cards with a monitoring arrangement of 4 fuses in one card.							
19	01082200	5.00	Each Module	51953.78	259768.90	AT Par	259768.90	
	<b>Description:-</b> Fuse auto changeover system for use in Railway Signaling System as per RDSO/SPN/209/2012 rev.1 with latest amendments. One Automatic changeover Unit comprises 24 nos. of external Non-Deteriorating Type or 'G' type fuses from 4 Amp to 10 Amp capacities which are in signaling circuits. The system shall have 6 cards with a monitoring arrangement of 4 fuses in one card.							
20	01150600	1.00	Set	35317.28	35317.28	AT Par	35317.28	
	<b>Description:-</b> Supply of Standard Tools set.							
21	01086300	4.00	Numbers	8188.30	32753.20	AT Par	32753.20	
	<b>Description:-</b> Office Revolving Chair Godrej Make Model No.9u02r Bravo Or Similar of reputed brand will be specified by Engineer in-charge.							
22	01086400	4.00	Numbers	16052.54	64210.16	AT Par	64210.16	
	<b>Description:-</b> Office table with laminated top with three drawers on left hand side and one locker on the right hand side. Olive brown with duplicate keys. Make: Godrej Model T-9 or Similar of reputed brand will be specified by Engineer in-charge.							
23	01086100	4.00	Numbers	17036.67	68146.68	AT Par	68146.68	
	<b>Description:-</b> Steel Plain Almirah with 4 adjustable slaves Size: 1980mm height, 915 mm width and 485 mm depth. Make: Godrej Storewel Plain Large or Similar of reputed brand will be specified by Engineer in-charge.							
24	01020101	4.00	Numbers	630312.50	2521250.00	AT Par	2521250.00	
	<b>Description:-</b> Data logger system for Railway S&T installation As per spec. IRS: S-99 2006 (Amdt-3) or latest. Central Monitoring Unit (Hardware Configuration as per Annexure) with UPS minimum 06 hrs battery backup and required Software tools. This also includes the supply of one no composite computer & printer table (Godrej workstation table) for keeping the Processor module and one no Godrej make operator chair model PCH7001. 1024 digital and 32 analog inputs.							
25	01031200	27.00	Numbers	28577.72	771598.44	AT Par	771598.44	
	<b>Description:-</b> Non Metallic (FRP) color light signal housing multi-unit type for railway signaling suitable for RE area TWO Aspects. Complete without lenses, lamps and signal transformer as per RDSO DRG. No. SA 23001/A/M Adv. Alt- S and as per SPEC. No. RDSO/SPN/194/2006 (Vol. 1.0) or latest and FRP material as per RDSO SPEC. No. RDSO/SPN/151/1997 or latest.							
26	01031300	18.00	Numbers	29823.91	536830.38	AT Par	536830.38	
	<b>Description:-</b> Non Metallic (FRP) color light signal housing multi-unit type for railway signaling suitable for RE area THREE Aspects. Complete without lenses, lamps and signal transformer as per RDSO DRG. No. SA 23001/A/M Adv. Alt- S and as per SPEC. No. RDSO/SPN/194/2006 (Vol.1.0) or latest and FRP material as per RDSO SPEC. No. RDSO/SPN/151/1997 or latest.							
27	01031400	5.00	Numbers	33303.86	166519.30	AT Par	166519.30	
	<b>Description:-</b> Non Metallic (FRP) color light signal housing multi-unit type for railway signalling suitable for RE area FOUR Aspects. Complete without lenses, lamps and signal transformer as per RDSO Drg.No. SA 23001/A/M Adv. Alt- Sand as per SPEC. No. RDSO/SPN/194/2006 (Vol. 1.0) or latest and FRP material as per RDSO SPEC. No. RDSO/SPN/151/1997 or latest.							
28	01031700	6.00	Numbers	62662.54	375975.24	AT Par	375975.24	
	<b>Description:-</b> Supply of Multi lamp numeric indicator (LED Single/double digit) as per engineer in charge.							
29	01083200	500.00	Numbers	196.79	98395.00	AT Par	98395.00	
	<b>Description:-</b> Pad locks Godrej make, Hardened NavTal 7 lever, 65mm Dia with common key or similar product having same feature & technical data.							
30	01030402	150.00	Numbers	615.59	92338.50	AT Par	92338.50	
	<b>Description:-</b> Supply Color Light Signal Accessories. Supply of signal no plate as per Drg no CSTE Drg No CSTE/6186.							
	01032700	24.00	Numbers	4530.07	108721.68	AT Par	108721.68	

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31	<b>Description:-</b> Position Light Shunt Signal Unit Complete with Post (made of GI Pipe of 80 mm Diameter Medium Class IS Spec. No. IS: 1239 Pt. 1/1990) Base, Hood, and Cover, etc. as per Drg. No. SA-23840, Signal Number Plate, suitable for LED Signal Lighting Unit. (Supply of LED Unit is not covered in this item).						
	01032800	33.00	Numbers	3359.74	110871.42	AT Par	110871.42
32	<b>Description:-</b> Position Light Shunt Signal Unit Complete, with offset bracket, hood, Cover etc. as per Drg. No. SA-23840 suitable for LED Signal Lighting Unit. (Supply of LED Unit is not covered in this item).						
	01090200	200.00	Numbers	59855.98	11971196.00	AT Par	11971196.00
33	<b>Description:-</b> SS Location box made of Spl Grade SS 304 of size as per Drg. No. DRM/SG/948 dt. 26.04.2011 (Single app. Case) or latest. Manufacturer's certificate in regard to grade of stainless steel and its protection level shall be submitted at the time of supply.						
	01090100	75.00	Numbers	51998.06	3899854.50	AT Par	3899854.50
34	<b>Description:-</b> SS Location box made of Spl Grade SS 304 of size as per Drg. No. DRM/SG/945 dtd 03.03.2011 (Half app. Case) or latest. Manufacturer's certificate in regard to grade of stainless steel and its protection level shall be submitted at the time of supply.						
	01090900	275.00	Numbers	5388.67	1481884.25	AT Par	1481884.25
35	<b>Description:-</b> IS 13410: Glass Reinforced Polyester Sheet Moulding Compounds (SMC) Size of Sheet : 1000x1000x8						
	01084100	50000.00	Numbers	75.00	3750000.00	AT Par	3750000.00
36	<b>Description:-</b> ARA Terminal blocks with links made of PBT Spec No.s/75/2006 (Rev - 2) with latest amendments and RDSO Drg.No.SA-23741A Alt.4.						
	01102100	300.00	Numbers	1912.20	573660.00	AT Par	573660.00
37	<b>Description:-</b> Double Walled Corrugated (DWC) HDPE Pipe with associated collars etc. as per RDSO Specification No. RDSO/SPN/204/2011 or latest anti-rodent & anti-oxidant and non-flame propagating type in 6 meters straight length and of size 120 mm outer dia, & 103.5 mm inner dia. . One of the following coupling arrangements should also be supplied with each pipe as per the site requirement. 1) Suitable snap fit coupler with rubber 'O-Ring 2) Spacers 3) Tees 4) Bend, 5) End-cap (The total quantity of above items is equal to no. of pipes supplied.) DWC pipe shall be marked at every 1 mtr length in such a way that manufacturer's name, vender name and year of manufacture can be easily identified. Color -Bright Orange; Min Weight = 4kg. Test Check by Consignee & Sample check by JAG officer.						
	01102300	1500.00	Running Metre	1170.28	1755420.00	AT Par	1755420.00
38	<b>Description:-</b> Medium Class G.I. Pipes to IS: 1239 (Pt.)-2004 or latest; 100mm dia. (int. Dia) 3.65 mm thick or above with coupling. G.I. pipes shall have ISI mark on it and contractor should submit manufacturer's test certificate of G.I. pipes.						
	01060900	2.00	Numbers	188187.55	376375.10	AT Par	376375.10
39	<b>Description:-</b> Double Rail contact assembly with track side EJB for MSDAC. Each set shall consist of track side Electronic unit, Double rail contact with cable and mounting accessories. This item shall be procured from RDSO approved firm and inspected by RDSO.						
	01061100	1.00	Set	144043.40	144043.40	AT Par	144043.40
40	<b>Description:-</b> Supply of Tools Kit for Digital Axle Counter (Multi section/Single section). (MSDAC comply to the RDSO spec. No. RDSO/SPN/176/2013/Ver.3 or latest and manufacturer's specification and SSDAC comply to the RDSO/SPN/177/2012,Ver.3 or latest respectively). The tool kit shall be minimum equipped with the following equipments: (i) All mechanical tools shall be of reputed make like Taparia/Bosch etc. (ii) Digital multimeter true RMS type of make Fluke 189 or similar reputed make with probe set - 1 No. (iii) Adjustable torque wrenches 25-135 N/mtr with 13 mm and 19 mm inserts- 1 set (iv) Set of spanners screw drivers and soldering iron - 1 set (v) Dummy wheel - 1 No. (vi) Marking Jig - 1 No. (vii) Adapter card - 1 No. (viii) Extended wired socket to interface with diag No. stic plug - 1 No. (viii) Selector switch on panel base - 1 No. (ix) DAC EC card puller etc.						
	01083800	114.00	Numbers	10403.08	1185951.12	AT Par	1185951.12
41	<b>Description:-</b> Maintenance Free Earth Electrode of length 3m, including supply of 3 bags of Earth enhancement material for earthing (10KGs /bag) for each electrode & other accessories as per Drg. No. SDO / RDSO/ E&B/001 and RDSO Spec No. RDSO / SPN/197/2008.						
	01084000	114.00	Numbers	649.00	73986.00	AT Par	73986.00
42	<b>Description:-</b> Supply of Fiber/ SMC/FRP/RCC Earth Chamber.						
	01083600	270.00	Numbers	2798.99	755727.30	AT Par	755727.30
43	<b>Description:-</b> Earth Electrode as per Drg. No. CSTE / 6091.						
	01130600	4.00	Numbers	22300.23	89200.92	AT Par	89200.92
44	<b>Description:-</b> Supply of Power Supply Distribution Box with MCB/Fuse as per specification and requirement given by Site Engineer, Make 3M, SNATEL,ABB						
	01070800	140.00	Numbers	5421.40	758996.00	AT Par	758996.00
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		<b>Description:-</b> Miniature, Plug in Type, DC Neutral ,Line Relay QSPA1, 24V DC, Slow to Pick up AC Immunized, 12F-4B/8F-4B Contact, Code ABDEJ Spec:BRS:933A ; IRS S 34 ; IRS S 23;IRS S 60-78.						
46	01081600	1000.00	Numbers	129.41	129410.00	AT Par	129410.00	
	<b>Description:-</b> Cartridge fuse block made of PBT as per RDSO Drg No SA-23748 Alt 4 & Spec No IRS S 75/2006 with the latest amendment. The fuse block shall be suitable for round-head type voltage fuses. This also includes the supply of equivalent no of ND type Fuses of 2A capacity as per specification IRS S-78/92.							
47	01081800	500.00	Numbers	10.42	5210.00	AT Par	5210.00	
	<b>Description:-</b> PPTC fuse 12V GP 16-400 (2A) for TF/TR circuit, make Raychem, Epcos, Siemens							
48	01050101	140.00	Numbers	3523.27	493257.80	AT Par	493257.80	
	<b>Description:-</b> Supply of DC Track Circuit Accessories as follows :- Track feed battery chargers, 110V AC input, 2 to 6/10 V DC Output; as per Specn. No. IRS.S 89/ 2013 with latest amendments. Charger shall be suitable for charging 80 AH battery.							
49	01050102	280.00	Numbers	2129.53	596268.40	AT Par	596268.40	
	<b>Description:-</b> Supply of DC Track Circuit Accessories as follows :- Choke Coil for Single Rail Track Circuit on 25 KV 50 Hz AC Electrified Section as per Spec No IRS S 65/1983 with latest amendments.							
50	01050104	140.00	Numbers	978.46	136984.40	AT Par	136984.40	
	<b>Description:-</b> Supply of DC Track Circuit Accessories as follows :- Adjustable Track Feed Resistance disc type 30 ohms as per RDSO Drg. No. SA 20166/M (Adv.) with latest amendments (with Phenolic molded base).							
51	01050401	840.00	Numbers	1120.65	941346.00	AT Par	941346.00	
	<b>Description:-</b> Provision of Field accessories of DC Track Circuits Track Lead Junction Boxes as per C.Rly Drg. No.RST 11509 made from fiber glass/SMC/FRP along with terminal blocks.							
52	01050402	700.00	Kg	68.17	47719.00	AT Par	47719.00	
	<b>Description:-</b> Provision of Field accessories of DC Track Circuits GI wire 8 SWG (4mm Dia) suitable for track circuit rail bonding.							
53	01050403	7000.00	Numbers	6.04	42280.00	AT Par	42280.00	
	<b>Description:-</b> Provision of Field accessories of DC Track Circuits Channel Pins MS (Galvanized) single groove, 7 mm suitable for 4mm Dia bonding wire as per spec No IRS S 17 & RDSO Drg No. S-69/M.							
54	01050404	70.00	Kilometre	5553.17	388721.90	AT Par	388721.90	
	<b>Description:-</b> Provision of Field accessories of DC Track Circuits PVC jacketed wire rope for Track Lead connections. PVC jacketed wire rope should be of Galvanized steel wire rope 6 mm Dia (6x19 stranded wire with a steel core of 6 mm Dia) sheathed with PVC 2mm wall thickness, the overall thickness is 10 mm. PVC sheath should be made of type 6 compound as per IS 5831 of 1970. Reclaimed or recycled material should not be used.							
55	01071000	140.00	Numbers	4878.90	683046.00	AT Par	683046.00	
	<b>Description:-</b> Miniature, Plug in Type, M to C,DC Neutral ,Track relay, ACI, Style QTA2, 9 Ohm, 2F-1B contact, Code - FGHKX Spec : BRS :939-A & 966 (Appx-F2) & IRS : S-23, S-23,S-34 & 60.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule () A2-Non SOR Supply item.</b>							3462540.50	Above/ Below/ Par
1	1	100000.00	Numbers	11.00	1100000.00	AT Par	1100000.00	
	<b>Description:-</b> Supply of Ferrules of different colour, 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							
2	2	4.00	Numbers	430000.00	1720000.00	AT Par	1720000.00	
	<b>Description:-</b> Supply of Earth Leakage Detector (24 Channels) Level-2 as per RDSO Spec. No. RDSO/SPN/256/2025 Version 2.0.							
3	3	30.00	Numbers	3259.00	97770.00	AT Par	97770.00	
	<b>Description:-</b> Supply of Thermo shrinkable joint kit as per RDSO Spec. No. IRS/TC 77/2012 Rev-3 Amd.-1&2 or latest suitable for LC Gate RTSF suitable to 6 quad cable of spec. no. IRS TC -30/2005, Ver-1, Amd-5 or latest.							
4	4	50.00	Numbers	10895.41	544770.50	AT Par	544770.50	
	<b>Description:-</b> Main Signal Post Tubular 140 mm Dia, 5.6 Mtr Length as per IRS: S-6/81 or Latest & RDSO Drg. No. SA-24625 (Advance).							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit

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<b>Schedule () A3-MSDAC</b>							35532847.35	Above/ Below/P ar
1	1	105.00	Per Detection Point (DP)	338408.07	35532847.35	AT Par	35532847.35	
<b>Description:-</b> Supply of Multi Section Digital Axle Counter (MSDAC) for mentioned detection Point by the purchased & track Section as per SIP, complete with all accessories, cable required with each track device & card viz. Axle detectors, Track Side Electronics/DAC field units, Central Evaluator (Central Evaluator unit should be housed in a pre-fabricated rack to be supplied along with the system), reset unit, Relay unit, Event Logger & Diagnostic terminals, etc. Required for different Detection Points & Track Sections as per RDSO Specifications No. RDSO/SPN/176/2013, Ver.3 or latest and OEM/ manufacturer's specification and as per Annexures. (Quantity 01 No. = 01 DP) Inspection Authority: RDSO. Note:- As per WR's Policy No 03/2024 Para No. 3.4.2 .e .iv "VDU/Reset box can be used for resetting. At Stations having more than 10 Track sections, the Railway propose to use a separate VDU-based resetting system. Such a VDU-based system if using a PC, it must be industrial grade".								
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule () A4-Supply of IPS</b>							5771026.80	Above/ Below/P ar
1	1	4.00	Numbers	1442756.7 0	5771026.80	AT Par	5771026.80	
<b>Description:-</b> SMPS based Integrated Power Supply System for Electronic Interlocking as per RDSO/SPN/165/2012 version -3 or latest and Drg No. CSTE 6295 SHT. 2 OF 4. This includes transportation, installation and Commissioning of Integrated Power Supply System.								
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule () B1-SOR Supply &amp; Execution item</b>							50959296.38	Above/ Below/P ar
1	01010204	8.00	Numbers	195500.55	1564004.40	AT Par	1564004.40	
<b>Description:-</b> Supply, Installation and Commissioning of EI VDU (Visual Display Unit, 4K with all suitable accessories Compatible to EI Interlocking in Safe Mode 24x7 at controlling station. The item must comply minimum following specification:- a) Screen Size (Diagonal):- As below b) Resolution :- 4K c) Viewing angle degree:- 178x178 degree d) Brightness :- 500 Nits e) contrast ratio 4000:1 f) Backlit :- Direct LED g) Jack Interface:- HDMI -3 no. 1.2 DP, DVI USB 2.0 -2 no. CI Slot RF In AV In Component In (RCA5 Type) Digital Audio Out RGB In (D-sub 15pin)-PC PC Audio Input RS232C (D-Sub 9pin) RJ45 Stereo mini jack. h) Optical Out :- Available Note:- Screen size will be decided as per instruction of engineer incharge. Approximate Screen size 75 inch								
2	01010300	4.00	Numbers	272862.00	1091448.00	AT Par	1091448.00	
<b>Description:-</b> Supply and Installation of Modular power supply arrangement for VDU and industrial PC (Embedded PC) with input and output redundancy arrangement and Hot pluggable Modules as per RDSO specification. Make Gallant or similar. One set consists of 1. Input O- ring diode module with potential free -1 No contacts (PFC) for two 110 V DC sources from IPS and single 110 VDC bus Qty 1 No. 2. Isolated Inverters (Master / slave) - Input-110 V DC Output: 120 V AC/220V A500VA - 02 Nos. 3. Isolated DC-DC converters- Input : 110 v DC Output : 24 V DC/ 10A,Qty -10No.s 4. 3 U SS rack with back panel mother board /front panel power connectors inverter auto change over switch and all required over switch and all required protection circuits (3U height for main rack 132.5mm +/-10% & 1U height for mounting 44.5mm +/- 10%) Qty - 1 No. Make Gallant or similar.								
3	01010400	2.00	Numbers	179360.00	358720.00	AT Par	358720.00	
<b>Description:-</b> Supply & installation of Industrial Grade Embedded PC as per RDSO TAN no. STS/E/TAN/3007 dated 2.11.12 or latest.								
	01010502	1.00	Station	1252392.0 0	1252392.00	AT Par	1252392.00	



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4	<b>Description:-</b> Installation, wiring, programming, testing and commissioning of EI equipment supplied as per supply item in schedule 'A' including transportation from Consignee's depot to site. The works and materials for installation, wiring, testing and commissioning, grouting, cutting of floors, walls, refilling of the same, re-plastering, required CC/ masonry works, fixing/ placing/ laying of insulated ladders/ casing-capping/ cable trays/ RCC/GI pipes / Cables, termination of cables with lugs/ connectors, painting, / lettering are to be provided/ done by the contractor for the equipments supplied vide Item of Schedule "A" of this contract. This also covers the networking of built in EI Data loggers of all the stations to monitor the system to any other places where desired by Engineer-in-charge. Note: Installation shall be comply with RDSO Technical Advisory Note No STE/E/TAN/3012 dtd. 28.08.2014 or latest. Installation, wiring, programming, testing and commissioning of Operator VDU in Hot stand-by with Redundancy. Any Equipments/cards/Modules required for Hot stand-by with Redundancy shall be supplied & Installed by the Contractor. This also include supply of one no Godrej make operator chair model PCH7001 or better , one no. of composite computer & printer table (Godrej work station table or better) for keeping MT , one no Godrej make operator chair model PCH7001 or better. Termination of indoor/ PIJF cables in relay room on relays, tag blocks, CT racks as per approved wiring diagram including alterations/ modifications as required at site. Soldering to be done at all required termination. Dressing/ lacing of wiring shall be done neatly with help of dressing thread / plastic self-lock strip of suitable size. The tools/ equipments/ materials/ simulation boards required for testing shall be supplied / fabricated by contractor. This included replacement of modules/ cards/ LEDs/ equipments going defective during testing. Necessary power supply boards with required capacity plugs, sockets, surge & lightning protection boxes shall be supplied and installed by the contractor. 230V supply shall be arranged by Railways. In case supplies are required to be extended, from Power room / relay room then same shall be extended by the contractor with his own materials such as 1X16 sq. mm wires, cables, lugs, RCC/GI pipes, insulated ladders etc. After ST/LT testing, Factory Acceptance Tests (FAT) & Square Sheet testing system should be fault free while submitting to Railways, otherwise suitable necessary action can be taken by Engineer-in-charge With Object Controller						
5	01010600	1.00	Station	570471.00	570471.00	AT Par	570471.00
	<b>Description:-</b> Factory Acceptance Test / site acceptance test(FAT/SAT).						
6	01011200	4.00	Job	133269.46	533077.84	AT Par	533077.84
	<b>Description:-</b> Earthing of EI equipment, relay racks and Power equipment etc. to be done along with the supply of all requisite materials. Earthing shall be in the form of Ring Earth conforming to RDSO specification No. RDSO/SPN/197/2008 (with a min. of 6 maintenance free earth electrodes) & RDSO Drawing issued under Railway Board letter No. 2010/Sig./SGF/EI (Ansaldo) Dated 22.06.11, made using copper rings with earth resistance less than 1 ohm. The earthing shall be maintenance free & earth enhancement compound should be used. The ring earth shall be connected to copper flat of size 25x3 mm in the relay room and IPS room. This copper flat shall be fixed on the wall to the entire breadth of the Relay room and IPS room as an earth bus bar and all earth connections shall be taken from it. A, B, C, & D class protection shall be provided for all EI equipment. Note: - This will also cover the earthing& necessary protection of EI equipment as per details given in the scope of work of Special Condition of Contract and other requirement given in Chapter of tender document & Pre-commissioning check list of EI system.						
7	01011300	5.00	Man-Days	1133.48	5667.40	AT Par	5667.40
	<b>Description:-</b> Training of Officers for installation, Commissioning, Testing, and Repairs & Trouble shooting of the EI system. (Hard copies of training material/ course modules to be given to each participant).						
8	01011400	20.00	Man-Days	1219.30	24386.00	AT Par	24386.00
	<b>Description:-</b> Training of Technician/ Jr. Engineer for installation, Commissioning, Testing, Repairs & Troubleshooting alteration, design of EI system, as per details given in Special Condition of Contract. (Hard copies of training manuals/ course module to be given to each participant).						
9	01011602	1.00	Set	96149.76	96149.76	AT Par	96149.76
	<b>Description:-</b> Design of SIP and submission of copy (three copy) for approval. More than four line station						
10	01011702	1.00	Set	36186.00	36186.00	AT Par	36186.00
	<b>Description:-</b> Design of ST/LT/TOC/Square sheet/RCC (Three copy) for approval. More than four line station						
11	01011803	350.00	Per Route	3702.00	1295700.00	AT Par	1295700.00
	<b>Description:-</b> Design of Circuit Diagrams consisting Wiring/ Logic diagram, contact analysis, fuse detail, Input/output bit chart, VDU diagram, Interface etc. submission of Three paper copies for approval More than 100 routes						
12	01011902	1.00	Station	7697.00	7697.00	AT Par	7697.00
	<b>Description:-</b> Design of Miscellaneous diagram consist of Floor Plan of Relay Room , Battery Room, Power Equipment Room, Data logger room, Power Supply Diagrams along with power supply calculation, Earthing Diagram, Power panel diagram, IPS wiring diagram , Auto change over diagram , Block circuit wiring diagram, Digital Axle counter wiring diagram and all other relevant drawings (Three copy) for approval. More than four line station						
13	01012000	1.00	Set	9873.00	9873.00	AT Par	9873.00



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			<b>Description:-</b> Design of Cable Route Plan submission of Three paper copies for approval.				
14	01012102	1.00	Numbers	970.00	970.00	AT Par	970.00
			<b>Description:-</b> Supply of Completion SIP in Original tracing along with Auto CAD copy in Pen Drive and Six set copies after approval. More than four line station				
15	01012202	1.00	Numbers	1044.00	1044.00	AT Par	1044.00
			<b>Description:-</b> Supply of completions ST/LT/TOC in original tracing along with AutoCAD copies in Pen Drive and six set copies after approval. More than four line station				
16	01012302	1.00	Station	35003.00	35003.00	AT Par	35003.00
			<b>Description:-</b> Supply of Circuit Diagrams consisting wiring/Logic diagram, contact analysis, fuse detail, Input/output bit chart, VDU diagram, Interface in AutoCAD in Pen Drive and Six set of Copies after approval More than four line station				
17	01012402	1.00	Station	3721.00	3721.00	AT Par	3721.00
			<b>Description:-</b> Supply of diagrams consist of Floor Plan of Relay Room, Battery Room, Power Equipment Room, Data logger room, Power Supply Diagrams along with power supply calculation, Earthing Diagram, Power panel diagram, IPS wiring diagram, Auto change over diagram, Block circuit wiring diagram, Digital Axle counter wiring diagram and all other relevant drawing in original tracing along with AutoCAD in Pen Drive and six set copies after approval. More than four line station.				
18	01012500	1.00	Station	1580.00	1580.00	AT Par	1580.00
			<b>Description:-</b> Supply 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 in original tracing along with Auto CAD in Pen Drive and Six set copies after approval.				
19	01012601	1.00	Station	63698.00	63698.00	AT Par	63698.00
			<b>Description:-</b> Design and supply of cable courage 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 alterations/corrections, if any. The contractor shall incorporate Railway's alterations/corrections in the tracings without any deviation and submit all tracings complete in all respects to the Railways along with PENDRIVE & 4 sets of final approved drawings. This includes designing of cable coreage plan based upon I.P in consultation with engineer-in-charge For small/medium yards. Station				
20	01013002	1.00	Numbers	53506.00	53506.00	AT Par	53506.00
			<b>Description:-</b> Design and supply SWR Diagram on standard tracing paper of 95grams for each station. Corrected version of SWR plans after checked & approved by Rly's 25 Ferro copies will be supply for each of the plans. For stations having more than 4 lines				
21	01013102	1.00	Numbers	82691.00	82691.00	AT Par	82691.00
			<b>Description:-</b> Preparation of SWR including supply of SWR booklets (25 Nos. per station). For stations having more than 4 lines				
22	01013201	18.00	Kilometre	60413.00	1087434.00	AT Par	1087434.00
			<b>Description:-</b> Preparation of Cable Route Plan of buried S & T Cables using Radio Detector 8200 GS or Similar model GPS Model,DGSP and Drone for Per Trench per Km. For existing cables as per the instruction of Engineer in-charge. Submission of Drone Report in Hard Copy 1 set and DGPS output in KMZ File format. (Unit = Per Trench KM) In Yard Section				
23	01020200	4.00	Set	21176.39	84705.56	AT Par	84705.56
			<b>Description:-</b> Installation, wiring, testing, and commissioning of Data logger complete along with accessories using Contractors' own wiring & fixing materials as per the following configuration. (It includes loading of NETWORKING software, networking of data logger, installation of FEP & Fault diagnosis system). The requisite communication cable/channel for networking will be arranged by Railway. 1024 digital & 32 analog inputs/ 4096 digital & 32 analog inputs. (All the Indoor & outdoor gears wiring in cataloged included in this along with laying 230V supply cable from IPS room,12 core cable from auto change over for monitoring supplied.) Note :- It included logging of all gears as per site incharge.				
24	01020900	4.00	Set	6111.47	24445.88	AT Par	24445.88
			<b>Description:-</b> Commissioning of T-Networking suitable for Networking to the existing Data Logger equipments. This includes supply of all equipment / accessories required for the purpose.				
25	01080700	24.00	Numbers	9184.44	220426.56	AT Par	220426.56
			<b>Description:-</b> Installation of Cable Termination Racks Assembly complete including wall supports, scaffolding, 8 way/ARA terminals /Screw less connectors, Tag blocks & other necessary accessories etc. The work shall be done as per approved plan, extant practice on WR & the instruction of Rly engineer at site.				
26	01071500	50.00	Numbers	5186.41	259320.50	AT Par	259320.50
			<b>Description:-</b> Fixing of KLCR and its without this includes supply of MS sheet box for fixing of KLCR relay along with push button etc. (KLCR will be supplied by Railway).				
	01071200	400.00	Numbers	366.58	146632.00	AT Par	146632.00

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27	<b>Description:-</b> Fixing & wiring of QNA1 / QNA1K relays for GPR Circuit in apparatus case as per Standard practice. Fixing and wiring material shall be supplied by the contactor.						
	01082400	85.00	Each Module	915.42	77810.70	AT Par	77810.70
28	<b>Description:-</b> Installation wiring testing and commissioning of Fuse changeover system (FACS). This includes the provision of a common Buzzer & indication at the ASM Room & ESM Duty Room and the painting of fuse details. This also includes the fabrication of a frame for the installation of FACS at the Station/ LC gate where the installation of relay racks is not feasible.						
	01081100	16.00	Numbers	2565.61	41049.76	AT Par	41049.76
29	<b>Description:-</b> Supply, installation, fixing, wiring, testing and commissioning of Common Audio-Visual Alarm Unit (CAVA)-for Fuse Auto Changeover system as per RDSO specification RDSO/SPN/209/2012 Rev. 2.0 or latest.						
	01031502	50.00	Numbers	8338.74	416937.00	AT Par	416937.00
30	<b>Description:-</b> Foundation, Erection & Installation of CLS without route indicator. (Additional Fixing of Route Indicator is given in Item No. 24) Erection of CLS Post with base and signal unit on top or on OFF set Bracket, fixing of front and back staging, ladder and guards with contractor's own brackets and fixing materials. This also includes erection of auxiliary signals like calling on, shunt signal if any... The work shall be done as per instructions of Rly engineer at site. It also includes provision & fixing of maintenance platform as per design given by Engineer -In-Charge at site. It also includes supply of padlock for signal units and cable termination box. 'X' arms to be provided by the contractor till the signals are introduced. The item includes cutting of Signal post if required by Site In charge. 2/3/4 aspect signal unit mounted directly on signal post						
	01084401	50.00	Numbers	382.17	19108.50	AT Par	19108.50
31	<b>Description:-</b> Painting of two coats of synthetic enamel paint over one coat of primer on the following after scraping & cleaning surface wherever necessary with contractor's own supply of paints. Wherever required contractor shall apply coating of epoxy paint also as per instructions of site-in-charge. Epoxy paint will be supplied by Railways. NOTE: - The paint and primer should be from Asian Paints/ Nerolac / Dulux / Berger. The primer / enamel paints (Aluminum synthetic, black enamel, brilliant white and yellow) will be as per (IS 5660 of 1970) / (IS 2932 of 1974). Main Signal Post with Signal Units, Surface base and complete fittings as per Western Railways standard practice.						
	01084402	57.00	Numbers	231.00	13167.00	AT Par	13167.00
32	<b>Description:-</b> Painting of two coats of synthetic enamel paint over one coat of primer on the following after scraping & cleaning surface wherever necessary with contractor's own supply of paints. Wherever required contractor shall apply coating of epoxy paint also as per instructions of site-in-charge. Epoxy paint will be supplied by Railways. NOTE: - The paint and primer should be from Asian Paints/ Nerolac / Dulux / Berger. The primer / enamel paints (Aluminum synthetic, black enamel, brilliant white and yellow) will be as per (IS 5660 of 1970) / (IS 2932 of 1974). Shunt signal post with signal unit, surface base as per Western Railway's Standard Practice.						
	01084403	600.00	Numbers	65.78	39468.00	AT Par	39468.00
33	<b>Description:-</b> Painting of two coats of synthetic enamel paint over one coat of primer on the following after scraping & cleaning surface wherever necessary with contractor's own supply of paints. Wherever required contractor shall apply coating of epoxy paint also as per instructions of site-in-charge. Epoxy paint will be supplied by Railways. NOTE: - The paint and primer should be from Asian Paints/ Nerolac / Dulux / Berger. The primer / enamel paints (Aluminum synthetic, black enamel, brilliant white and yellow) will be as per (IS 5660 of 1970) / (IS 2932 of 1974). Track Lead Junction Box. (Black enamel outside only).						
	01084404	50.00	Numbers	112.56	5628.00	AT Par	5628.00
34	<b>Description:-</b> Painting of two coats of synthetic enamel paint over one coat of primer on the following after scraping & cleaning surface wherever necessary with contractor's own supply of paints. Wherever required contractor shall apply coating of epoxy paint also as per instructions of site-in-charge. Epoxy paint will be supplied by Railways. NOTE: - The paint and primer should be from Asian Paints/ Nerolac / Dulux / Berger. The primer / enamel paints (Aluminum synthetic, black enamel, brilliant white and yellow) will be as per (IS 5660 of 1970) / (IS 2932 of 1974). Point Machine with ground connections complete (Point Machine with Black enamel only outside and ground connections with Red Oxide).						
	01033100	150.00	Set	1280.82	192123.00	AT Par	192123.00
35	<b>Description:-</b> Fabrication and fixing of 'A' Marker (Drg No. CSTE/6180), 'AG' Marker (Drg No. CSTE/6181), 'P' Marker (Drg No. CSTE/6182), Arrow Marker (Drg No. CSTE/6183), 'G' Marker (Drg No. CSTE/6184), 'C' Marker (Drg No. CSTE/6185). Marker disk on signals as per standard practice All material required for this work shall be supplied by Contractor.						
	01083400	15.00	Numbers	5732.92	85993.80	AT Par	85993.80
36	<b>Description:-</b> Supply & Fixing of Stop Board, Block section limit Board, goods warning board and all other boards with contractors own material. The work shall be done as per instruction of Rly. Engineer incharge as per IRSEM.						
	01032901	24.00	Numbers	6139.76	147354.24	AT Par	147354.24

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37	<b>Description:-</b> Foundation, Erection & Installation of Shunt Signal. Excavation and Casting of foundation for Shunt Signal as per Drg. No. CSTE/6090 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.						
	01032902	24.00	Numbers	4169.37	100064.88	AT Par	100064.88
38	<b>Description:-</b> Foundation, Erection & Installation of Shunt Signal. Erection of Position Light Shunt signal with Base, Post, and Signal unit. Wiring & Fixing of Number Plate .The work shall be done as per instructions of Rly engineer at site.						
	01033000	33.00	Numbers	1930.03	63690.99	AT Par	63690.99
39	<b>Description:-</b> Erection of Position Light shunt signal on Offset bracket on main signal.						
	01090701	200.00	Numbers	7162.63	1432526.00	AT Par	1432526.00
40	<b>Description:-</b> Excavation and Casting of Apparatus Case foundation 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 Single Case as per Drg No SK 748 or CSTE/5074 or SS Location						
	01090702	75.00	Numbers	5487.86	411589.50	AT Par	411589.50
41	<b>Description:-</b> Excavation and Casting of Apparatus Case foundation 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 Half Case as per Drg No SK 747or CSTE/5074 or SS Location.						
	01091001	200.00	Numbers	2445.36	489072.00	AT Par	489072.00
42	<b>Description:-</b> Fabrication and fixing of SMC sheet in location box by providing all fixtures as per Railway Drawing including fixing of PVC coated 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. Note: SMC sheet will be taken in place of phenolic laminated sheet. Single Case						
	01091002	75.00	Numbers	777.78	58333.50	AT Par	58333.50
43	<b>Description:-</b> Fabrication and fixing of SMC sheet in location box by providing all fixtures as per Railway Drawing including fixing of PVC coated 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. Note: SMC sheet will be taken in place of phenolic laminated sheet. Half Case						
	01091100	500.00	Numbers	239.73	119865.00	AT Par	119865.00
44	<b>Description:-</b> Preparation and fixing of location box board on 03 mm ACP sheet with size 12 x 18 size A3 for location box including pasting of printed/ painted vinyl sheet and lamination (printing/painting of location detail on vinyl sheet covered in schedule item separately).						
	01084200	50000.00	Numbers	22.75	1137500.00	AT Par	1137500.00
45	<b>Description:-</b> Fixing of ARA Terminals /Screw less connectors 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.						
	01084300	100000.00	Numbers	23.70	2370000.00	AT Par	2370000.00
46	<b>Description:-</b> Termination of outdoor cables, main cables laid in location boxes, Cable termination rack etc. at both ends on ARA terminal or on 8 way terminals or on screw less connectors. Both ends of a cable core terminated shall be counted as one terminal. This includes all associated works of pulling out the cable from underground, peeling off insulation, dressing of cable core supported on sting rod with contractor's own material. The work shall be done as per instructions of Rly engineer at site.						
	01084700	30.00	cum	6259.00	187770.00	AT Par	187770.00
47	<b>Description:-</b> Cement concrete work for miscellaneous items in the ratio 1: 3: 6. Item includes excavation, ramming, curing and plastering with cement & sand mixture (aggregate not exceeding 3.8 cm.) (Aggregate cement & sand to be supplied by the contractor).						
	01090801	200.00	Numbers	1076.29	215258.00	AT Par	215258.00
48	<b>Description:-</b> Installation of Apparatus Cases with miniature 'E' type lock on CC foundation. This includes filling of location foundations with river bed sand and plastering on top of the sand. 'E' Type lock will be provided by Railway. Single Case						
	01090802	75.00	Numbers	657.15	49286.25	AT Par	49286.25
49	<b>Description:-</b> Installation of Apparatus Cases with miniature 'E' type lock on CC foundation. This includes filling of location foundations with river bed sand and plastering on top of the sand. 'E' Type lock will be provided by Railway. Half Case						
	01101300	6000.00	cum	839.00	5034000.00	AT Par	5034000.00

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50	<b>Description:-</b> Excavation of cable trench as per cable route plan, 1 Mtr. deep and of 0.3 Mtr. to 0.6 Mtr wide advised by Engineer-in-charge alongside the track in normal (all type) soil/strata, conforming to distances as per cable route plan and refilling. This work includes clearing of route from bushes etc., covering of cable laid in trench by loose soil for a layer of 50mm thickness approximately before covering by bricks. The work shall be done as per the extant practice on Western Railway and instructions of Railway Engineer at site. In case 1m depth of trench is not achievable due to site conditions, specific approval of JA grade officer will be required for each site where trench depth of 1m is not possible. Without the approval of JA Grade officer, no payment for trenching will be made for trench depth less than 1m.						
51	01101800	4500.00	Metre	1187.85	5345325.00	AT Par	5345325.00
	<b>Description:-</b> Horizontal direction drilling/boring without damage of surface road using Auger Machine. The bore shall be 150 mm Dia & shall be done at the depth of minimum 1200 mm from the ground level. The ground level shall be considered ignoring the bank height of the bank of the road. The length of the bore shall be minimum 4 Mtr long. The HDD with or without HDPE pipe as per direction of Engineer In charge. Note: HDPE pipe supply is taken as separate item. This item also includes cable laying (HDD boring).						
52	01102500	459500.00	Running Metre	9.37	4305515.00	AT Par	4305515.00
	<b>Description:-</b> Laying of S&T Cables of various cores/ pairs/ quads in trenches/ GI pipes/ RCC pipes/ DWC pipes/ Trucking. This also includes laying of cables in track crossings & road crossings. Item includes provision of labels of colored plastic adhesive tapes or any other identifiable material on each cable to give the cable number at each G.P.(Cables will be daggered before and after its laying by contractor under supervision of Railway Representative and he will submit the meggering report of each testing). Length of the cable laid includes the length of the cable coiled for termination purposes.						
53	01140200	4.00	Station	914505.14	3658020.56	AT Par	3658020.56
	<b>Description:-</b> Provision of AUTOMATIC FIRE DETECTION & ALARM SYSTEM as per RDSO/SPN/217/2021version 2 or latest For Signalling System (Four Line station)						
54	01102200	1800.00	Running Metre	33.22	59796.00	AT Par	59796.00
	<b>Description:-</b> Placing of DWC/RCC pipes along with collars in trenches at places of track and road crossings, platform cuttings etc. also for straight cable laying. (Cable laying is covered separately.)						
55	01102400	1500.00	Running Metre	418.07	627105.00	AT Par	627105.00
	<b>Description:-</b> Laying and fixing of Medium class GI pipes 100 mm Dia (4.5 mm thickness) as per IS 1239 ( Part 1) 2004 or latest with coupling on culverts/bridges, perforated at a distance of 20 cm or less with 10 mm Dia hole, or at any other locations as decided by Site Engineer. The GI pipe is to be filled with chattered compound. It includes supply of all material required for fi Xing arrangement. Contractor will also supply flexible/corrugated HDPE pipe at the end of GI pipe to protect the cables from sharp edges and sudden bends. The e laying and fi Xing to be done as per RDSO drawings No. SDO/cable laying/011 and SDO/cable laying/012, issued vide RDSO document No. RDSO/SI/G/2010 Version 1.1 dated 04.02.2014, or latest.						
56	01102000	10.00	Numbers	12567.83	125678.30	AT Par	125678.30
	<b>Description:-</b> Digging of cable pit (min2x2x1m) as per instruction of Site Engineer, supplying and filling of sand before and after coiling the cables, covering top of the cable pit with stones and providing brick masonry on all four sides of the cable pit and plastering thereafter.						
57	01102600	460.00	Numbers	412.66	189823.60	AT Par	189823.60
	<b>Description:-</b> Supply and installation of RCC cable route marker engraved and painted on both side along the route every 50mm and route diversion as per Drg. No 4014/00/CC4 or latest/ Stone marker.						
58	01101200	3500.00	Metre	1900.08	6650280.00	AT Par	6650280.00
	<b>Description:-</b> Supply and fixing of polyolefin cable channel (Injection Moulded Plastic cable Duct) of size width 100/200 mm, height 155/230 internal/external, length 1 meter produced of polyolefin with fire, protection class K-1 in accordance with DIN 53438 part all for laying signaling/telecom cables, channel attachable to each other with male female swallowtail connectors and having suitable detachable cover including supply of all fixing materials like Brackets, etc. , as per RDSO STS/E/cable laying Precise Vol-IV and as per technical specifications.						
59	01060200	105.00	Per Detection Point (DP)	15648.00	1643040.00	AT Par	1643040.00

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	<b>Description:-</b> Installation of track device (double rail contact) including digging of trench, track crossing, laying of anti-rodent, anti-oxidant & non-flame propagating type Double Walled Corrugated (DWC) pipe as per IS- 14930 part- I or II or latest and all other accessories as per site requirement to be for laying of transmitter and receiver cable. The item also includes installation of EJB / Track side Electronics including foundation & earthing as per OEM's guidelines and Technical requirement & specification with their own material. NOTE: Installation / programming / configuration / commissioning of Axle counter equipment to be carried out in accordance with latest guidelines issued by Railways/RDSO preferably by Authorized representative of OEM.						
60	01060300	10.00	Numbers	11984.00	119840.00	AT Par	119840.00
	<b>Description:-</b> Installation of Central Evaluator of axle Counter, wiring from CT rack to Central Evaluator, installation and wiring of the reset box, LV box (if required) and associated power supply wiring. This includes supply of shielded cable of required conductor size for wiring between CT rack to evaluator rack, all other wires, power supply cable and wiring materials. The power supply cable from power room to Central Evaluator should not be less than 10 sq.mm PVC wire. Earthing as per OEM's guidelines & specification with their own material. This also includes painting and writing work on evaluator as per site requirement. NOTE: Installation /programming / configuration / commissioning of Axle counter equipment to be carried out in accordance with latest guidelines issued by Railways/ RDSO preferably by Authorised representative of OEM.						
61	01083900	114.00	Numbers	1456.79	166074.06	AT Par	166074.06
	<b>Description:-</b> Installation of Maintenance Free Earth Electrode for Maintenance Free Earth spec of RDSO/SPN/197/2008.						
62	01083700	270.00	Numbers	5579.77	1506537.90	AT Par	1506537.90
	<b>Description:-</b> Installation of Earth Electrode including MS flat for clamp etc. and connection to signalling equipments, lever frames, apparatus cases, signal, relay rack, block instrument, etc. as per technical specification given. This item includes digging of pit in earth 3 M deep & fixing earth electrode pipe, casting of cement concrete enclosure & cover as per RDSO/SPN/ 197/2016.Soiltreatment to be done as per std. practice. This item includes provision of MS Flat, Earth lead wires and Soldering of lead wires. The other end of the wire is to be connected to block equipment, power equipment, cable sheath, and signals etc. as per site requirements. 7strand GI wire shall be used as earth lead wire. Supply of earth electrode is covered in other Item').						
63	01040500	50.00	Numbers	22354.53	1117726.50	AT Par	1117726.50
	<b>Description:-</b> Fixing of Electrical Point Machine on the extended sleepers at points as per std. practice and as per RDSO Drg No. SA 91 51-52 or 9710 or 9161 as per section of 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 WR 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.						
64	01130701	4.00	Numbers	109014.46	436057.84	AT Par	436057.84
	<b>Description:-</b> Installation, Wiring and testing of Integrated Power Supply System. This includes 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 8mm thick SMC sheets or any standard make with connections suitable for 32 A. Wiring to be done considering site requirement, depending upon the load with suitable wires, lugs & glands as per instructions of Engineer-in-charge. The work includes installation of ELD's, fixing & wiring of change over switch(program switch) for selection of DG set supply (DG1 & DG2) and wiring of change over switch (program switch) for selection of mains or DG supply. 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 etc. Any masonry work required will be carried out by contactors own material. For Station						
65	01050200	140.00	Per Track Circuit	6667.03	933384.20	AT Par	933384.20
	<b>Description:-</b> Fixing and wiring of DC track circuit equipments i.e. track feed charger, resistance, track relay, battery, PPTC fuses etc., in the Apparatus Case and battery box as per standard practice. Termination of tail cable on M 6 / Screw less terminals WAGO or FINOLEX or similar approved make terminals/ fuse blocks / HRC fuse. Item includes testing /commissioning of track circuit. Complete wiring material (including PPTC fuses) which are not covered in Schedule will be supplied by contractor. (Supply of Track feed battery charger, track feed battery, resistances & 'B' type choke & Track relays will be supplied by Railways / covered in Schedule separately).						
	01050300	140.00	Set	7328.72	1026020.80	AT Par	1026020.80

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66	<b>Description:-</b> Installation of DC track circuits covering points zones also. The item includes provision of continuity bonds of seven strand PVC jacketed wire/ GI wire 8 SWG on rail joints after drilling bond-hole of 7.0/7.1/7.2mm Dia (double bond with sleeves and rail clips are to be provided at each rail joint), insertion of insulated block joint, fixing of Track lead Junction box on MS angle two numbers of size 40X40X5 mm 1200 mm length for track feed/ jumper / track relay ends of track CCTs (as per double TLJB arrangements) and also for fixing jumper cables as per insulation diagram WR Drg No. CSTE/6055 and standard practice, making rail connections through suitable insulated sleeves from Track lead Junction box at TF, jumper & TR end with seven strand PVC jacketed wire /GI wire 8 SWG, rail clips for fixing bond wire on the TLJB as per standard practice, termination of tail cables on bootleg terminals etc. TF/TR wiring shall be fixed on the suitable arrangement on PRC sleepers with the help of hooks. Hooks shall be provided on PRC sleepers with the help of suitable steel bracket. This item also includes fixing & supply of channel pins etc. The item also includes supply of MS angles/ trestles, GI wire 8 SWG / seven strand PVC jacketed wire, hooks, rail clips etc.							
67	01050500	420.00	Numbers	376.10	157962.00	AT Par	157962.00	
	<b>Description:-</b> Charging of Lead Acid Batteries (2V 80AH) with contractors' own battery grade sulphuric acid and distilled water with a minimum of two charge-discharge cycles, installation of charged batteries in groups & their connection & wiring. The work shall be done as per the extant practice of W.Rly & instruction of the Engineer-in-charge. Detailed measurements of initial charging shall be recorded jointly by the contractor & Rly's site-in-charge.							
68	01050600	560.00	Set	185.47	103863.20	AT Par	103863.20	
	<b>Description:-</b> Provision of bonding with GI wire 4mm Dia (8 SWG) for track jumper & fish plate joints bonds. This will include drilling of 7.0/7.1/7.2 mm 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							
69	01050700	840.00	Numbers	1391.31	1168700.40	AT Par	1168700.40	
	<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 40 x 40 x 5 mm 1200 mm length This will include drilling of holes for track lead/side connections on rail. The work shall be done as per Drg. No. S&T/Const./JHS/T 115 & instructions of Rly engineer at site.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule ( ) B2-Non SOR Supply &amp; Execution item.</b>							17113902.24	Above/ Below/Par
1	1	50.00	Numbers	12887.18	644359.00	AT Par	644359.00	
	<b>Description:-</b> Excavation and Casting of foundation for main signal post as per CSTE/3122 (WR) 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.							
2	2	4.00	Numbers	70557.53	282230.12	AT Par	282230.12	
	<b>Description:-</b> Supply and installation of Panel cum/VDU Block Instrument table complete as per Drg. No. CSTE/6093. It includes any modification to it if required by Engineer-in-charge.							
3	3	24.00	Numbers	2450.00	58800.00	AT Par	58800.00	
	<b>Description:-</b> Fabrication and supply of premium quality foam sheet 5mm thickness with vinyl printing of approximately size 2.5 feet x 4.5 feet with framing. This item also includes lettering/numbering of termination particulars, CTR contact details in relay room, relay hut, goomties etc. For CTR Board							
4	4	4.00	Numbers	55333.33	221333.32	AT Par	221333.32	
	<b>Description:-</b> Installation & commissioning of Earth Leakage Detector (24 Nos. Channel)as per RDSO Spec. No. RDSO/SPN/256/2025 Version2.0 or Latest.							
5	5	30.00	Numbers	1295.00	38850.00	AT Par	38850.00	
	<b>Description:-</b> Installation of Thermo-shrinkable joining kits for making (a) straight through joints without transformers for 6 quad Jelly filled cable (b) Derivation joint without transformer for 6 quad jelly filled cable, and (c) Straight Through joint without transformer for 10 Pr/20Pr. PIJF cables and construction of Brick chamber for protection of joints with contractor's all materials as per railway Drg. where VF transformers are not required. All the materials required for the work are to be arranged by the contractor himself at his own cost except Thermo shrinkable jointing kit which is already covered in supply portion of the tender. After jointing the cable through test such as insulation test, Continuity cable losses etc. to be carried out jointly with the Railway Engineer. If any defect or any damage observed during jointing, the contractor should be redo the joint free of cost.							
6	6	100.00	Kg	284.88	28488.00	AT Par	28488.00	
	<b>Description:-</b> Supply & Installation of Fencing Work							
	7	2.00	Station	35308.22	70616.44	AT Par	70616.44	

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7	<b>Description:-</b> Complete painting and varnishing work of all S&T Gears at a station not covered else where in the schedule. This includes painting of signal posts and fittings, apparatus cases, point machines, junction boxes, signal machine, rail post etc. complete							
8	8	500.00	Metre	339.92	169960.00	AT Par	169960.00	
	<b>Description:-</b> Supply and fixing of cable truss of 4 inch x 4 inch							
9	9	1.00	Station	34501.88	34501.88	AT Par	34501.88	
	<b>Description:-</b> Complete painting and varnishing work of all S&T Gears							
10	10	500.00	Each	63.74	31870.00	AT Par	31870.00	
	<b>Description:-</b> Maintenance Booklet / Cards							
11	11	4.00	Numbers	37211.89	148847.56	AT Par	148847.56	
	<b>Description:-</b> Supply, Installation, testing & commissioning of Current referencing device, half effect based isolated series DC current measurement with hardware RS-485 with 5V power supply and 1ft USB-B type cable at distributed EI.							
12	12	4.00	Numbers	35067.48	140269.92	AT Par	140269.92	
	<b>Description:-</b> Supply, Installation, testing & commissioning of Remont data Acquisition device with 3 digit 7-segment LCD Display with 5v Power supply and 1ft USB-B type cable at distributed EI.							
13	13	12800.00	Numbers	1190.92	15243776.00	AT Par	15243776.00	
	<b>Description:-</b> Supply and placing of trunking and capping (RCC duct) of 300mm width & 700mm length as per DRG No. SDO/Cable laying/007(annexure-10 or latest) as detailed in document no. RDSO/SI/G/2010 Ver.1.1 or latest on guidelines on signalling cable laying.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule ( ) D -Telecom Execution item.</b>							1542575.00	Above/ Below/Par
1	1	24.00	Numbers	1241.00	29784.00	AT Par	29784.00	
	<b>Description:-</b> Installation of Pastorate pre-fabricated OFC jointing pits (RCC/PVC) size 0.6mx0.8mx1m. The material shall be supplied as per engineer in charge instructions.							
2	2	24.00	Numbers	8320.00	199680.00	AT Par	199680.00	
	<b>Description:-</b> Splicing of laid under above items OFC cable and making the splice joint in dust free environment with contractor's own equipments and labour. Straight joint enclosure (SJC) is covered under schedule 'A' remaining all required materials, tools, plants shall be arranged by the contractor. splicing shall be started from one end and each splicing shall be monitored after splicing and after closing the enclosure for all the fibers from one central location by contractor's engineer with his own OTDR and optic Talk set with railway engineer , trace for the fibers shall be taken and signed jointly, if any fibred splice shows high loss/lossy event, the same shall be redone before completion of splicing work. The splice loss shall be as per the policy/technical circulars issued by the railways from time to time.							
3	3	12.00	Kilometre	6851.00	82212.00	AT Par	82212.00	
	<b>Description:-</b> Transportation and Laying of HDPE pipe as per approved cable route plan in the excavated trench, taking due care while transporting and laying the same in the trenches or other protective works. Both the end of duct should be sealed with end plugs before laying and should remain sealed till blowing is done.							
4	4	12.00	Kilometre	12349.00	148188.00	AT Par	148188.00	
	<b>Description:-</b> Blowing of OFC through HDPE duct & protective work (elicited in above item) already provided. Where it is not feasible to blow OFC due to curves, road/track crossings, bridges or for any other reason, OFC shall be drawn or laid manually as per standard procedure. All the equipments and machinery required shall be arranged by the contractor at his own cost. In case OFC is to be laid adopting 'Direct in trench' method then this item shall be paid as per accepted rate of item no.(6 h) of this schedule. OFC and HDPE pipe shall be supplied by the railway.							
5	5	10.00	Numbers	3054.00	30540.00	AT Par	30540.00	
	<b>Description:-</b> Installation of Connectors/Pig Tail/Patch cords/ MC/LIU/ Patch Panels/Switch; with necessary accessories for termination/ splicing of OFC cable							
6	6	10.00	Numbers	8107.00	81070.00	AT Par	81070.00	
	<b>Description:-</b> Supply, installation, testing and commissioning of ONT unit with 1PON port & 4 RJ45 Giga Ethernet, 802. each, 1 xPOTS (RJ 11) Ports, 300mbps Wi-Fi , VLAN, IGMP, VoIP, QoS, auto-discovery/Link detection, Dual Band as per technical specification.							
7	7	5.00	Numbers	97297.00	486485.00	AT Par	486485.00	
	<b>Description:-</b> Supply, Installation and commissioning of 4 PON port OLT as per technical specification.							
8	8	10.00	Numbers	6874.00	68740.00	AT Par	68740.00	



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	<b>Description:-</b> Supply, Installation and commissioning of 2.5 Gig PON Port SFP Module for OLT as per technical specification.						
9	9	10.00	Numbers	4628.00	46280.00	AT Par	46280.00
	<b>Description:-</b> Supply, installation, testing and commissioning of wall mount Out door 1:4 Optical splitter for PON with fusion Splicing termination as per technical specification/site requirement.						
10	10	9000.00	Metre	21.00	189000.00	AT Par	189000.00
	<b>Description:-</b> Laying of OFC/Power cable/CAT-6/ PVC cable through HDPE pipe/casing capping/fall ceiling with laying/fixing of HDPE pipe/casing capping for interfacing various components and system integration. All materials for jointing and termination of power cable as per site requirement are to be supplied by contractor						
11	11	8.00	Numbers	3157.00	25256.00	AT Par	25256.00
	<b>Description:-</b> Installation of fiber distribution management system (Supply covered Above) with all installation materials, restoration wall etc. to original condition , splicing and termination of 2 X 24 fiber cable (With all contractor's materials), routing/dressing fibers as per directions of Engineer in-charge.						
12	12	7290.00	Running Metre	20.00	145800.00	AT Par	145800.00
	<b>Description:-</b> Laying of half round RCC pipe after laying the cables in the trenches. (Cable laying is covered separately						
13	13	20.00	Numbers	477.00	9540.00	AT Par	9540.00
	<b>Description:-</b> Installation of 10 pair/12 pair wago based box and termination of 6 Quad cable as per specification.						

### 3. ITEM BREAKUP

No item break up added
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### 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	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 the 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 tenderers shall submit requisite information as per Annexure-VIB of Part I of GCC, along with copies of Audited Balance Sheets 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 one of the following categories of work(s) during last 07 (seven) years, ending last day of month previous to the one in which tender is invited:(i) Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or(ii) Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or(iii) One similar work each costing not less than the amount equal to 60% of advertised value of the tender.	No	No	Allowed (Mandatory)
1.1	Definition of Similar work means :-" Any RI or EI or CLS or ABS or IBS work involving Indoor & Outdoor work (Cable laying & termination)."	No	No	Allowed (Mandatory)

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

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

**Check Lst**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per "CHECK LIST" document attached.	No	No	Not Allowed

**Commercial-Compliance**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Following documents dully filled & signed to be uploaded. Standard formats are provided in (Annexure provided with tender document. Tenders are required for furnish details in thhese format).	No	No	Allowed (Mandatory)
1.1	"Tender Form" As per "TENDER FORM" (Ref Standard format provided in Annexures).	No	No	Allowed (Mandatory)

**AHMEDABAD DIVISION-S AND T/WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** DRM-SnT-ADI-Sig05of26-27

**Closing Date/Time:** 20/07/2026 15:00

1.2	Deviation Statement:- The tender shall submit a statement indicating any deviations against any clause of this tender including all the technical specification concerned to this work, duly signed and stamped on each page. If there are no deviation whatsoever, a Nil deviation statement should be submitted. (Ref Standard format provided in Annexures) In case firm has not submitted deviation or blank deviation statement it will be treated as NIL deviation.	No	No	Allowed (Optional)
1.3	List of works completed: list of works completed in the last seven financial years giving description of work, organization for whom executed, approximate value of contract at the time of award, date of award and date of schedule completion of work. Date of actual start, actual completion and final value of contract should also be given. (Ref Standard format provided in Annexures).	No	No	Allowed (Mandatory)
1.4	List of works on hand:- List of works on hand indicating description of work, contract value, and approximate value of balance, work yet to be done and date of award (Ref Standard format provided in Annexures).	No	No	Allowed (Optional)
1.5	Details of payment through NEFT/RTGS. (Ref Standard format provided in Annexures).	No	No	Allowed (Mandatory)
1.6	List of Personnel, organization:- List of Personnel, organization/technical staff available on hand and proposed to be engaged for the subject work, with their designation and experience.	No	No	Allowed (Optional)
1.7	Document for technical skill:- Documentary evidence necessary to establish that they possess the requisite skill, technical expertise, technical and skilled manpower and necessary equipment's to execute complete work covered in the schedule with stipulated specification/details.	No	No	Allowed (Optional)
1.8	Special instruction regarding payment of Bid Security: Excerpt of GCC April -2022 read as (i)Any firm recognized by Department of Industrial Policy and Promotion (DIPP) as 'Startups' shall be exempted from payment of Bid Security. (ii)Labour Cooperative Societies shall deposit only 50% of above Bid Security. (Refer para 7.0 of CHAPTER-II {INSTRUCTIONS TO TENDERERS} of Tender document) for clarification see GCC April-2022. Mandatory submission of relevant document if applicable.	No	No	Allowed (Optional)
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 "GENERAL INSTRUCTIONS" document attached.	No	No	Not Allowed

**Special Conditions**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per 'SPECIAL CONDITIONS' document attached.	No	No	Not Allowed

**Technical-Compliances**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per 'TECHNICAL SPECIFICATIONS' document attached.	No	No	Allowed (Optional)

**Undertakings**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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**AHMEDABAD DIVISION-S AND T/WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** DRM-SnT-ADI-Sig05of26-27

**Closing Date/Time:** 20/07/2026 15:00

1	I have gone through the particulars, condition, instructions and all are understood and accepted by me or us.	No	No	Not Allowed
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**6. Documents attached with tender**

S.No.	Document Name	Document Description
1	2RevisedTNo05of2026-27.pdf	Tender Document
2	3TNo05of2026-27Annexure.pdf	Tender Annexures
3	4SIPofVIRAMGAMAUTO.pdf	SIP of Viramgam

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:** ADITI JOSHI

**Designation :** DSTEW