

**KOTA DIVISION-SIGNALLING AND TELECOMMUNICATION/WEST CENTRAL
TENDER DOCUMENT**

Tender No: KOTA-SNT-SIG-2025-55R150

Closing Date/Time: 09/07/2026 15:00

Sr.DSTE acting for and on behalf of The President of India invites E-Tenders against Tender No **KOTA-SNT-SIG-2025-55R150** Closing Date/Time 09/07/2026 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

Name of Work	Kota division: Replacement of defective signalling cables for enhancing safety of signalling system.:Replacement of Old & Outlived Batteries at 24 Stations and 2 IBH on Kota Division		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	09/07/2026 15:00	Date Time Of Uploading Tender	10/06/2026 13:46
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	45460933.96	Tendering Section	SIGNAL
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money (Rs.)	909200.00	Validity of Offer (Days)	60
Tender Doc. Cost (Rs.)	0.00	Period of Completion	12 Months
Contract Type	Works - General	Contract Category	Expenditure
Bidding Start Date	25/06/2026		
Are JV allowed to bid	No	Number of JV Member Allowed	0
Are Consortium allowed to bid	No	Number of Consortium Member Allowed	0
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Capital (Works)

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 01-SCHEDULE 'A' Supply ITEMS							24129167.30	
01	Please see Item Breakup for details.				24129167.30	AT Par	24129167.30	
	Description:- SCH-A							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 02-schedule-B Execution ITEM							21331766.66	
02	Please see Item Breakup for details.				21331766.66	AT Par	21331766.66	
	Description:- SCH-B							

3. ITEM BREAKUP

Schedule	Schedule 01-SCHEDULE 'A' Supply ITEMS					
Item- 01	SCH-A					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	" (i) Supply of 4 conductor disconnect terminal block with test & measurement facility, with screw less, spring cage clamp connections suitable for 0.08 to 2.5 Sq.mm conductor with current capacity of 16 Amps as per RDSO Spcn. No. RDSO/SPN/189/2004 Ver. 3.0 or latest."	Numbers	5000.00	70.06	350300.00
2	2	"(ii) Supply of End plate compatible to above screwless terminals. The end plates shall be of different colour than that of disconnect terminal blocks."No.45013.50	Numbers	450.00	13.50	6075.00

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3	3	(iii) Supply of Din rail of dimension 35mm x 7.5mm, 1 mm thickness, 1Mtr length, slotted compatible to above terminals.	Numbers	50.00	121.67	6083.50
4	4	iv) Supply of End Stop 10mm for above Din 35 Rail.	Numbers	900.00	11.93	10737.00
5	5	Supply of Thermo shrink Jointing Kit for jointing underground 0.9 mm dia. cond. 4/6 quad cables as per specn No. IRS: TC-77/2012 (Rev.3.0) with Amend. 1, 2 & 3 or latest.	Numbers	26.00	3569.65	92810.90
6	6	Supply of Earth Electrode assembly as per Drg. No. S&T/CON/KOTA/EARTHING/01 ALT - 01. All nut, Bolts & Lugs to be of stainless steel. The earth electrode pipe shall be 'B' Class/ Medium Grade as per Specification No. IS: 1239 Pt. 1/ 2004 of Nominal Inner Dia 50mm, Outside dia (Max 60.8 mm, Min 59.7 mm), Thickness (3.6mm), Tolerance in Thickness ('+' not limited, '-' 12.5 percent).	Numbers	70.00	1625.70	113799.00
7	7	"Supply DIGITAL EARTH TESTER CLAMP TYPE WITH HARD CARRYING CASE as per Specifications: Earth Ground Resistance(): 0.01 OHM to 1550 OHM, JAW SIZE:>65 mm, LEAKAGE CURRENT: 0-50A, COMPATIBLE FOR 3 7 4 WIRE TEST, SOIL RESISTANCE 0-9999K OHM, GROUND VOLTAGE: >= 500V, EXTERNAL MAGNETIC FIELD: <40 A/M, CAPABLE FOR AUTO POWER OFF AND DATA STORAGE. 1 SET CONSISTS OF - USB CABLE (1 NOS), TEST CABLE (4 NOS.), GROUND ROD (4 NOS.), TEST RANGE (1 NOS), SIMPLE TEST LINE (2 NOS) AND POWER ADAPTOR (1 NOS.) . MODEL: CET180 OF STAN ONE, KYORITSU, OR OF SIMILAR SPECIFICATIONS.	Numbers	6.00	95059.62	570357.72
8	8	Supply of Professional AC/DC clamp meter Model -Stanlay SCM222 or similar Koico 3540 or equivalent/ higher	Numbers	22.00	18762.00	412764.00
9	9	"Supply of Hand Held 100 KHz Digital Multimeter of specification like DC Voltage Range 600 Volt, DC Voltage resolution 100 milliVolt, AC Voltage Range-600 Volt , AC Voltage resolution -100 milliVolt, DC Current Range- 10A AC Current Range-10 Ampere. Model Rishabh 616 or Superior of Make FLUKE, STANLAY or RISHABH."	Numbers	30.00	6835.83	205074.90
10	10	Supply of True RMS electronic logging Multimeter with trendcapture. Model no. Fluke 287 or Rishabh 6016 or better.	Numbers	20.00	29145.00	582900.00
11	11	Supply of 4 Port LAN EXTENDER 30 MBPS Fast Ethernet ON 4W/2W configurable & it should support ac and 48V DC Power Supply as per RDSO Specification No. RDSO/SPN/TC/82/2020 Rev. 2.0 or latest. Make: MROTEK/ TEAM ENGINEERING/Cygnus	Pair	15.00	16257.48	243862.20
12	12	Supply of Oscilloscope as per Technical Specification. Make Fluke, OWON or similar. Model HDS272S or similar	Numbers	11.00	16800.00	184800.00

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13	13	Supply Handheld Infrared thermal imaging system (Thermovision Camera) having touch screen, temperature range from 0 to 500 degree Celsius or higher, with rechargeable battery bank, scanned image can be downloaded from USB port. Camera software should be license free so that it can be installed on multiple PCs. Material shall conform to RDSO specification no. TI/SPC/OHE/TIPS/1031 (12/20213) with all accessories conforming to the specification. Material shall be procured from OEM or his authorized dealers only. Authorized dealership certificate to be submitted with the offer	Numbers	11.00	194999.72	2144996.92
14	14	Supply & application of high solids(68-70%) thin film nonhygroscopic water based weather resistance fire stop cable coating. As per annexure-1 Make- STANVAC or similar.	Litre	200.00	1361.34	272268.00
15	15	Supply of Microcontroller based Quad Cable Conductor's Earth Resistance Sensing Unit, for 24 nos. conductors with metering facility for one conductor at a time.	Numbers	20.00	91750.90	1835018.00
16	16	Supply of Cable route locator/tracer set suitable for Detecting underground armoured optic fiber cable (OFC) and S&T cables with LCD Graphic. Display active/passive modes and dept hrangle. 3M-10M. Model STLOC10GPS make Stanlay or equivalent.	Numbers	1.00	498145.41	498145.41
17	17	Supply of Cable Fault locator : Stanlay kick plus advance (Tempo Communication) cable maintenance test set or Equivalent.	Numbers	2.00	624597.85	1249195.70
18	18	Supply of Universal Earth Leakage Detector (ELD) 12 Channels as per RDSO Specn.RDSO/SPN/256/2002 or latest. 4 for monitoring 110V AC, 4 for 24 V DC, 2 for 60V DC and 2for 24V DC) or as per site engineer requirement.	Numbers	11.00	115663.55	1272299.05
19	19	Supply of patch cord cable(20 mtr long with SC-SC orLC-SC and LC-LC connectorPatch cord). As per engineer in charge	Numbers	20.00	967.36	19347.20
20	20	Supply of patch cord cable(30 mtr long with SC-SC orLC-SC and LC-LC connectorPatch cord). As per engineer in charge	Numbers	20.00	1451.04	29020.80
21	21	Supply and Installation of Sealed Maintenance free VRLA Battery set of 60 cells (stackable), in Combination of 55+5 cells for SMPS based integrated power supply system, each cell of 2V/300 AH Capacity ,fully charged conforming to RDSO Specification No. IRS:S:93/96(A) with latest amendment. (Warranty Period : Upto 30 months from the date of supply).	Set	44.00	318848.00	14029312.00
					Total	24129167.30
Schedule	Schedule 02-schedule-B Execution ITEM					
Item- 02	SCH-B					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount

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1	1	"Excavation and Casting of Apparatus Case Foundation with mixture of Cement:Sand:Stone aggregate/Chip in 1:3:6 ratio and plastering with mixture of Cement:Sand in 1:4 ratio, with contractors own Metal Sheet ferma of the size mentioned in the drawing, cement, anchor bolts, with nuts & washers and other materials. The items also include additional earth work if required as per instruction of Rly. Engineer at site. All nuts, bolts and washers etc. should be galvanised iron. Single Case as per Drg. No. Dy.CSTE/C/Kota/2"	Numbers	60.00	15484.48	929068.80
2	2	"Excavation and Casting of Apparatus Case Foundation with mixture of Cement:Sand:Stone aggregate/Chip in 1:3:6 ratio and plastering with mixture of Cement:Sand in 1:4 ratio, with contractors own Metal Sheet ferma of the size mentioned in the drawing, cement, anchor bolts, with nuts & washers and other materials. The items also include additional earth work if required as per instruction of Rly. Engineer at site. All nuts, bolts and washers etc. should be galvanised iron. Half Case as per Drg. No. Dy.CSTE/C/Kota/3"	Numbers	10.00	14921.58	149215.80
3	3	"Erection of Apparatus cases. This includes filling of Location Foundations with the seived sand being used for making the foundation of location boxes and plastering on top of the sand. All nuts, bolts and washers etc. should be galvanised iron. Single Case"	Numbers	60.00	1627.96	97677.60
4	4	"Erection of Apparatus cases. This includes filling of Location Foundations with the seived sand being used for making the foundation of location boxes and plastering on top of the sand. All nuts, bolts and washers etc. should be galvanised iron. Half Case"	Numbers	10.00	1245.31	12453.10
5	5	"Supply, fabrication and fixing of Phenolic Laminated Sheet Board in Location Box by providing all fixtures, double ended insulators (06 Nos.), PVC coated string rods at the back side for cable support with contractor's own material. The work shall be done as per Drg. No. SK 783-1/2 with latest alterations & as per instructions of Railway Engineer at site. The Phenolic Laminated Sheets should be of 10mm thick, grade P3 as per specification No. IS: 2036 of 1995 or latest. The size of the Phenolic Laminated Sheet for Full Case terminal board should be 800mm x 950mm and for half case it should be 800mm x 450mm. In case board size is in variation with the size mentioned as per location details, then proportionate payment on area basis shall be made. This also include, the work to be done in existing Location Boxes (if required) as per instructions of Railway Site Engineer. Single Case"	Numbers	60.00	6037.08	362224.80

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6	6	"Supply, fabrication and fixing of Phenolic Laminated Sheet Board in Location Box by providing all fixtures, double ended insulators (06 Nos.), PVC coated string rods at the back side for cable support with contractor's own material. The work shall be done as per Drg. No. SK 783-1/2 with latest alterations & as per instructions of Railway Engineer at site. The Phenolic Laminated Sheets should be of 10mm thick, grade P3 as per specification No. IS: 2036 of 1995 or latest. The size of the Phenolic Laminated Sheet for Full Case terminal board should be 800mm x 950mm and for half case it should be 800mm x 450mm. In case board size is in variation with the size mentioned as per location details, then proportionate payment on area basis shall be made. This also include, the work to be done in existing Location Boxes (if required) as per instructions of Railway Site Engineer. Half Case"	Numbers	10.00	3712.37	37123.70
7	7	"Supply, fabrication and fixing of Phenolic Laminated Sheet for Shelf of equipments/batteries with contractor's own fixing material, angle frames, additional in-between supporting angle for the Shelf, etc. The work shall be done as per Drg. No. SK 783-1/2 with latest alterations & as per instructions of Railway Engineer at site. The Phenolic Laminated Sheets should be 10mm thick, grade P3 as per specification No. IS: 2036 of 1995 or latest. The size of Shelf for Single Case Apparatus/Location Box shall be 500mm x 950mm and for Half Case Location Box it shall be 500mm x 450mm. In case board size is in variation with the size mentioned as per Location details, then proportionate payment on area basis shall be made. Galvanised nut & bolts to be used for fixing of Phenolic Laminated Sheets. Single Case"	Numbers	60.00	3843.73	230623.80
8	8	"Supply, fabrication and fixing of Phenolic Laminated Sheet for Shelf of equipments/batteries with contractor's own fixing material, angle frames, additional in-between supporting angle for the Shelf, etc. The work shall be done as per Drg. No. SK 783-1/2 with latest alterations & as per instructions of Railway Engineer at site. The Phenolic Laminated Sheets should be 10mm thick, grade P3 as per specification No. IS: 2036 of 1995 or latest. The size of Shelf for Single Case Apparatus/Location Box shall be 500mm x 950mm and for Half Case Location Box it shall be 500mm x 450mm. In case board size is in variation with the size mentioned as per Location details, then proportionate payment on area basis shall be made. Galvanised nut & bolts to be used for fixing of Phenolic Laminated Sheets. Half Case"	Numbers	10.00	2395.12	23951.20

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9	9	"Installation of Equipments (Relays, Resistance, chargers, Choke, batteries, LV box, KLCR, PPTC fuses & track feed charger alarm unit, etc. as applicable) with contractor's own wiring material, MS frame, copper lugs etc. & wiring of the same in Apparatus Cases as per Location Diagrams, paralleling of spare contacts of Metal to Carbon Relays and wiring of potential free contact of track feed charger and testing of track circuits as per instruction of Railway's Site Incharge and standard practice. This also includes supply of Multi-strand Flexible Single Core Copper Wire 2.5 sq.mm (50/0.25) except for relay wiring which will be done with 16/0.2 mm flexible multi-strand wire conforming to IS: 694:1990 with suitable lugs. All wires to be duly manufactured by RDSO approved firms (16/0.2 mm flexible multi-strand wire inspected by RDSO). Note: PPTC fuses shall be provided as per fixing arrangement of PPTC as advised by HQ's policy guideline issued vide letter no. WCR/N-HQ/110/Signal Policy/Sig-32 Pt-VII, dtd. 07.11.2013 i.e. PPTC fuse are to be connected with crimped ring type lugs and crimped area is also to be filled with solder. PPTC lead to be provided with ferrules for volt & current rating of PPTC. Single Case"	Numbers	60.00	2171.57	130294.20
10	10	"Installation of Equipments (Relays, Resistance, chargers, Choke, batteries, LV box, KLCR, PPTC fuses & track feed charger alarm unit, etc. as applicable) with contractor's own wiring material, MS frame, copper lugs etc. & wiring of the same in Apparatus Cases as per Location Diagrams, paralleling of spare contacts of Metal to Carbon Relays and wiring of potential free contact of track feed charger and testing of track circuits as per instruction of Railway's Site Incharge and standard practice. This also includes supply of Multi-strand Flexible Single Core Copper Wire 2.5 sq.mm (50/0.25) except for relay wiring which will be done with 16/0.2 mm flexible multi-strand wire conforming to IS: 694:1990 with suitable lugs. All wires to be duly manufactured by RDSO approved firms (16/0.2 mm flexible multi-strand wire inspected by RDSO). Note: PPTC fuses shall be provided as per fixing arrangement of PPTC as advised by HQ's policy guideline issued vide letter no. WCR/N-HQ/110/Signal Policy/Sig-32 Pt-VII, dtd. 07.11.2013 i.e. PPTC fuse are to be connected with crimped ring type lugs and crimped area is also to be filled with solder. PPTC lead to be provided with ferrules for volt & current rating of PPTC. Half Case"	Numbers	10.00	1511.39	15113.90
11	11	Fixing of ARA/cage type disconnect terminals and fuse blocks with provision of holes on Phenolic Laminated Sheets and fixing with galvanised nuts & bolts in Location Boxes and elsewhere. This includes provision of additional holes on the Phenolic Laminated Board on either side for cable conductor entry. The work shall be done as per the instructions of Railway Engineer at site.	Numbers	5000.00	13.75	68750.00

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12	12	Termination of cable cores on ARA Terminals/cage type disconnect terminals, fuse blocks, 8-way terminals blocks, telecom terminals in new/existing apparatus cases, existing MCTB/existing telecom cable termination racks. This includes all associated works of pulling out the cable from underground, dressing of cable, making wiring tree with contractor lacing & threading material etc. Both ends of a cable core shall be counted as per conductor. This includes soldering of armour tree/ring of cables and connecting to copper plate through GI wire bus bar in location boxes. The work shall be done as per instructions of Railway Engineer at site.	Per Conductor	5000.00	10.32	51600.00
13	13	Supply & Fixing of lamp holders (two pin) with switches (ISI mark) of reputed make for location boxes. This also includes supply of LED bulb of reputed make.	Numbers	70.00	148.25	10377.50
14	14	Installation of earth electrode assembly as per Drg. No. S&T/CON/Kota/Earthing/01 ALT-1 and connecting through stainless steel wire 8 SWG supported on MS flat of size 5mm x 40mm to earth electrode as per Drg. No. T/2014/1 for signals and T 2014/5 for Location Boxes/Apparatus Cases. The earth value should be less than 10 Ohms including the lead wire. The value should be measured in presence of Railway Supervisors. 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. This earth can be provided for DPs, block instruments & ELD etc. also, so as to achieve the desired earth resistance value. Earth enclosure to be manufactured & supplied by contractors own material of ratio 1:3:6, without cover. Additional connection of Earth pipe including parallel connection with other earth pipes with the function shall be done using left over pieces of signalling cable. Laying of cable pieces shall be covered in laying of cable item and cable shall be supplied by Railways.	Numbers	60.00	3897.17	233830.20

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15	15	Providing earth Electrode and earthing connections in Rocky area with mechanized drilling of 6 inch (150mm) dia hole, 3 meter deep. All other items for installation of earth electrode assembly shall be followed as per Drg. No. S&T/CON/KOTA/EARTHING/01 ALT - 01 and connecting through stainless steel wire 8 SWG supported on M.S. flat of size 5mm x 40mm to earth electrode as per drg. No. T/2014/1 for signals and T2014/5 for location boxes. The value should be measured in presence of Rly. Supervisors. 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. This earth can be provided for DPs, block instruments & ELD etc. also, so as to achieve the desired earth resistance value. Earth enclosure to be manufactured & supplied by contractors own material of ratio 1:3:6, without cover. Additional connection of Earth pipe including parallel connection with other earth pipes with the function shall be done using left over pieces of signalling cable. Laying of cable pieces shall be covered in laying of cable item and cable shall be supplied by Railways.	Numbers	10.00	13291.46	132914.60
16	16	Installation of Microcontroller based Quad Cable Conductor's Earth Resistance Sensing Unit for 24 nos, conductors with metering facility for one conductor at a time.	Numbers	20.00	9263.30	185266.00
17	17	Supply, Installation, testing and commissioning of 48 Fiber (SC/APC-SC/APC) FDMS as per RDSO/SPN/TC/037-2000 Rev.3, Amdt. 2 or latest.	Numbers	4.00	27221.37	108885.48

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18	18	Supply & Installation and testing of maintenance free earth consisting as per RDSO specification No.RDSO/Spn/197/2008consisting of single earth pit which includes supply of 35Sq. mm / 16 Sq.mm / 10Sq.mm multistrand single core PVC insulated copper cable asper IS 694 for connecting main earth electrode to MEEB in the equipment room in duplicate as per manufacturers recommendation and as per RDSO specification as follows: As per Drg noSDO/RDSO/E&B/001 Dated19.09.08Set223471.48 a)Copper bonded staeel electrode of 3.0Meter long,17mm dia with copper bonding thickness of minimum 250 microns and UL listed andmarked - 1No. b) Earth enhancement compound of RDSO approved brand supplied in sealed bag of minimum 10Kg. - 3Nos. c) Copper strip of 150 x 25 x 6mm to terminate earth rod - 1No. d) Copper strip of 300 x25 x 6 mm (MEEB) - 1No. e)Copper strip of 150 x 25 x 6mm (SEEB) - 1No. f)Digging/Auguring/Borring ofsingle earth pit of 100mm to125mm dia to the depth of approximate 2.8M g) Insertion of 3 Mtr electrode and penetrating it at least 0.2 Mtr. By pushing gently with sledge hammer where the neutral soilis assumed. h) Filling of earth pit with earth enhancement compound (EEC) in slurry form and back filling. i)Carrying out exothermic weld connection of single earth electrode to a copper tape of150 x 25 x 6 mm j) Carying out exothermal weld connection on the copper tapeof 150 x 25 x 6 mm on earthe electrode for connecting two35 Sq.mm cable for redundancy k) The exo thermal welding material for bonding the earth system shall be procured from RDSO approved firms which include graphite moulds, clamps, weld metal powder. l) 300 x 300 x 300mm (inside dimensions)concrete earth pit with aconcrete lid approximately50mm thick with pulling hook sshall be provided to cover thepit. Back side of the cover willbe painted in black and date of testing and average resistance value shall be written.	Numbers	20.00	32363.44	647268.80
19	19	Excavation of trench 1.2 mtr deep, 300mm wide at the bottom along main line in normal soil, including clearing of bushes, trees etc and refilling of the trench by excavated soil and ramming after laying of the required quantity of cables as per instructions of Engineer at site. The work also includes excavation of trenches in the beds of culverts. Whenever the dimensions of cable Trenches as mentioned in the Tender Schedule are not easily achievable due to terrain conditions, then payments will be made on a pro-rata basis, for the dimensions achieved.The specific approval of the Engineer in charge of the work (not below the rank of Sr. Scale officer), will be required for such dispensation.KM38.500	Kilometre	38.50	100173.03	3856661.65

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20	20	Excavation of cable trench 300mm wide at the bottom and 1.2 meter deep in hard soil mixed with bolders / hard murum soil including clearing of trees, bushes and refilling of cable trench by excavated soil, murum, bolders etc. Care should be taken while refilling the cable trench such that the murum / bolders etc. does not damage the cable. Ramming after laying of cable (a) 6-quad (b) jelly filled & power cables etc. Whenever the dimensions of cable Trenches as mentioned in the Tender Schedule are not easily achievable due to terrain conditions, then payments will be made on a pro-rata basis, for the dimensions achieved. The specific approval of the Engineer in charge of the work (not below the rank of Sr. Scale officer), will be required for such dispensation.	Kilometre	3.00	155293.06	465879.18
21	21	Excavation of cable trench 1.0m deep from the rail flange and 300mm wide across the track, for track crossing and refilling after laying of GI pipes and restore the track to its original condition. The work shall be done as per extant practice on W.C. Rly & instruction of Rly engineer at site. Cable trench as per Drg. No.TS/Cable laying/12/03/03. For achieving 1.0 m depth for the bottom most cable, the contractor shall dig the trenches to a depth, slightly more than 1.0 m to take care of practical problems.	Metre	550.00	178.91	98400.50
22	22	Cutting of all types of Roads (1 Mtr X300 mm)/ platforms (300mm X 300mm) preparatory to trenching, excavation and refilling after laying of RCC/ GI/ DWC pipe & restoring them to original condition. Generally there shall be no proportionate payment for cable at depth lesser than that specified in the tender schedule. If it is not possible to reach the required depth at any location, then the contractor shall obtain prior approval of Railway Site Engineer, who shall get the dispensation, from JAG vide Rly. Board's letter No. 2013/Sig/SEM Pt.-II/Misc., dated 12.06.2014 before commencement of cable laying process and only then shall the proportionate payment be made to the contractor. This also includes laying of any No. of DWC/RCC/GI pipes, as per requirement. The work shall be done as per extant practice on W.C. Rly & instructions of Railway Engineer at site. The DWC/RCC/GI pipes will be supplied by Railway. Laying of RCC/GI/DWC pipe is covered in separate item.	Metre	550.00	154.07	84738.50
23	23	Preparation of cable duct 150mm x 300mm deep for laying of cables in rocky area and refilling the duct (after cable laying) with concrete mixture of proportion 1:3:6 and grouting the ends at either side of the rocky portion using concrete mixture with contractors own cement and other materials. Cable trench shall be as per Drg. No. Dy.CSTE/C/Kota/07/A. Laying of cables is covered in separate item.	Metre	17290.00	425.31	7353609.90

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24	24	"Supply & laying of well burnt bricks of size 200mm x 90mm x 65mm inside the trench (with the brick length being perpendicular to cable route) after laying of cable & covering of cables laid in trenches by loose excavated soil for a layer of 50mm thickness approximately, in station area from Outermost to Outermost signal or at any other location as per instruction of Site Engineer. Note:- Size of bricks to be got approved by Railway Site Engineer. In case brick size is in variance with the size given in the tender schedule then proportionate payment on volumetric basis shall be paid to contractor subject to a maximum limit of schedule rate."	Numbers	415000.00	6.09	2527350.00
25	25	Laying of All types of Signal/ Telecom/ Power Cable of various cores/ sizes in excavated trenches. The work shall be done as per extant practice followed on W.C. Railway and as per the instructions of Railway Engineer at site.	Kilometre	145.00	10393.73	1507090.85
26	26	Supply, fixing, painting and installation of RCC/Stone cable route markers as per drawing No. DRM/KOTA/MISC-87 or WCR/Sig/ST.RT.MARKER/201401. Placing and securing of cable route markers in trenches at the specified interval and diversions, joints etc along the cable route. The work shall be done as per extant practice on W. C. Rly & the instructions of Rly engineer at site. Sample to be approved by engineer in-charge of the Railways before supply, after the testing prescribed in drawing. This includes supply of Paints of different colours as per drawing. The paint shall be either from Asian or Shalimar / Apcolite / Berger having ISI mark.	Numbers	3500.00	240.46	841610.00
27	27	"Painting two coats of Enamel Paint over one coat of Red Oxide primer on the following items after scrapping and cleaning of the surface wherever necessary. Primer and Paints with ISI mark is to be supplied by the Contractor. The work shall be done as per instructions of Railway Engineer at site and extant practice on W.C. Railway. Note: Second coat shall be made after completely drying up of first coat of paint, to give good smooth & lasting finish Apparatus case full size"	Numbers	60.00	615.67	36940.20
28	28	"Painting two coats of Enamel Paint over one coat of Red Oxide primer on the following items after scrapping and cleaning of the surface wherever necessary. Primer and Paints with ISI mark is to be supplied by the Contractor. The work shall be done as per instructions of Railway Engineer at site and extant practice on W.C. Railway. Note: Second coat shall be made after completely drying up of first coat of paint, to give good smooth & lasting finish Apparatus case half size"	Numbers	10.00	615.66	6156.60
29	29	Lettering, numbering of point machine, track lead junction boxes, block joint, glued joints, , batteries, apparatus cases etc. (outside) (each item to be taken as one unit)	Numbers	70.00	60.31	4221.70

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30	30	"Lettering & numbering of termination particulars, equipments names etc. legibly and neatly inside Location Boxes as per standard practice of W.C. Railway & instructions of Railway Engineer at Site. Single case"	Numbers	60.00	409.60	24576.00
31	31	"Lettering & numbering of termination particulars, equipments names etc. legibly and neatly inside Location Boxes as per standard practice of W.C. Railway & instructions of Railway Engineer at Site. Half case"	Numbers	10.00	251.29	2512.90
32	32	Cement concrete 1:3:6 in foundations with upto 25mm graded stone aggregate as per instructions of Railway Engineer at Site.	cum	360.00	3042.72	1095379.20
					Total	21331766.66

4. ELIGIBILITY CONDITIONS

Special Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Financial Eligibility Criteria: The tenderer must have minimum average annual contractual turnover of V/N or V which ever is less; where V= Advertised value of the tender in crores of RupeesN= 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 tenderers shall submit requisite information as per Annexure-VIB, 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	Definition of Similar Nature of Work for this work:- Any Signalling Work of EI/PI/RR/IBH/ABH/LC Gate Interlocking Track circuit works /Axle counter works etc.	No	No	Allowed (Mandatory)
2	Technical Eligibility Criteria: (As Per IRGCC Clause 10.1) (a)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: 1.Three similar works each costing not less than the amount equal to 30% of advertised value of the tender 2.Two similar works each costing not less than the amount equal to 40% of advertised value of the tender 3.One similar work costing not less than the amount equal to 60% of advertised value of the tender	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.
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.

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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	Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc. 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. (Click here to download the Format of Self Certification)

5. COMPLIANCE

Check Lst

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Supply,Installation,Testing and Commissioning of schedule items should be as per technical specifications attached with tender document.	No	No	Not Allowed
2	Tender must submit their BANK details	No	No	Not Allowed

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	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
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1	1. The offer will be evaluated based on certificates enclosed with the original offer only. The railways will not enter into any correspondence to get these certificates subsequently and the offer shall be evaluated based on the documents submitted along with the offer. 2. Tenderer may please note that meeting of eligibility criteria is strictly based on completion certificates issued by the executive in-charge of work and not linked with mere list of works claimed to have been executed by the tenderer or a copy of work order from railways. 3. Tenderer may please note that meeting of eligibility clause shall be ascertained only from the completion certificates issued by the Executive in-charge of work and mere list of works claimed to have been executed by the tenderer or a copy of work order from railways shall be enough. It may also be noted that cognizance of those works, which are nearing completion or have been almost completed, shall not be taken only those completion certificates, wherein successful commissioning satisfactory performance of work have been clearly unambiguously acknowledged by Executive-incharge of any railway unit or any govt. Dept./undertaking for any similar work shall be considered for this purpose. 4. Any variation to quantities in any item and its associated wiring material account of supply and installation will have to be born by the tenderer. Railway engineer's decision in this regard shall be final. 5. All drawings related with the work can be obtained from the office of DRM Kota on any working day during office hours.	No	No	Not Allowed
2	Tender document consisting of tender schedule, special condition etc. is attached. Tenderers are advised to read the complete tender document before bidding.	No	No	Not Allowed
3	This tender will be govern by GCC(WORKS)APRIL 2022 of INDIAN RAILWAYS.	No	No	Not Allowed
4	NOTE:- ALL THE TENDER CONDITIONS WILL BE APPLICABLE AS PER LATEST GENERAL CONDITIONS OF CONTRACTS OF INDIAN RAILWAYS ISSUED , APRIL 2022 WILL BE FOLLOWED.	No	No	Not Allowed
5	GENERAL :- All the payment and other conditions are attached with tender document.	No	No	Not Allowed
6	GENERAL :- Although year of specification is given in the schedule, last amendment , if any, shall apply.	No	No	Not Allowed
7	GENERAL :- GENERAL :- . All tenderer must have valid GSTN number and rates must be inclusive of GST act shall be binding on contractor & railway	No	No	Not Allowed
8	GENERAL :- GENERAL :- . Compliance of GST act/rules & correction/modification issued by railway board with regard to GST act shall be be binding on contractor & railway.	No	No	Not Allowed

Special Conditions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	SPECIAL CONDITION OF CONTRACT FOR MANDATORY UPDATION OF LABOUR DATA ON RAILWAYS SHRAMIKKALYAN PORTAL BY CONTRACTOR:- Contractor is to abide by the provisions of payment of wages act and minimum wages act in terms of clause 54 and 55 of Indian railways general condition of contract. In order to ensure the same, an application has been developed and hosted on website 'WWW.SHRAMIKKALYAN.INDIANRAILWAYS.GOV.IN'.CONTRACTOR Shall register his firm/company etc. and upload requisite details of labour and their payment in this portal. These details shall be abvailabe in public domain. The registration/updation of portal shall be done as under:-	No	No	Not Allowed
2	Contractor shall apply for one time registration of his company/firm etc. in the shramikkalyan portal with requisite details subsequent to issue of letter of acceptance. Engineer shall approve the contractors registration on the portal within 07 days of receipt of such request.	No	No	Not Allowed
3	Contractor once approved by any engineer, can create password with login id(PAN NO.) for sybsequent use of portal for all LOAs issued in his favour.	No	No	Not Allowed

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4	The contractor once register on the portal, shall provide details of his letter of acceptance(LOA)/contract agreement on shramikkalyan portal within 15 days of any LOA for approval of concerned engineer. Engineer shall update(if required) and approve the detail of LOA filled by contractor within 07 days of receipt of such request. After approval of LOA by engineer, contractor shall fill the salient details of contract labours engaged in contract and ensure updating of each wage payment to them on shramikkalyan portal on monthly basis.	No	No	Not Allowed
5	It shall be mandatory upon the contractor to ensure correct and prompt uploading of all salient details of engaged contractual labour and payments made thereof after each wage period.	No	No	Not Allowed
6	While processing payment of any 'on account bill' or 'final bill' or release of 'advances' or 'performance guarantee/security deposit'. contractor shall submit a certificate to the engineer or engineer's representative that " I have uploaded the correct details of contract labours engaged in connection with this contract and payments made to them during the wage period in railways shramikkalyan portal at 'WWW.SHRAMIKKALYAN.INDIANRAILWAYS.GOV.IN'. till-----month-----year."	No	No	Not Allowed

Custom

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The tenders whether being submitted on behalf of Sole Proprietorship Firm /HUF / Partnership Firm / Joint Venture (JV) / Companies Registered Under Companies Act, 2013/LLP (Limited Liability Partnership) / Registered Society or Registered Trust are required to UPLOAD an UNDERTAKING that - They are not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of the partnership firm or JV in which the tenderer was / is a partner/member. Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract.	Yes	Yes	Allowed (Mandatory)

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2	<p>The tenderers shall UPLOAD VALID DOCUMENTS pertaining to prove the constitution of their firm - 1.In case tenderer is Sole proprietorship firm The tenderer shall submit Valid documents or Notarized Affidavit (As per prevailing law) of Tender document. 2. In case of HUF: A copy of notarized affidavit on Stamp Paper declaring that he who is submitting the tender on behalf of HUF is in the position of 'Karta' of Hindu Undivided Family(HUF) and he has the authority, power and consent given by other members to act on behalf of HUF. 3.In case of Partnership Firm: The tenderer shall submit :(i) A copy of Partnership Deed and (ii) a copy of Power of Attorney of Tender document (duly registered /Notarized as perprevailing law) in favour of an individual to sign the tender documents and create liability against the Firm. 4.Joint Venture (JV): The tenderer shall submit documents as mentioned in Clause 17 of the Tender document (Second Sheet). 5.Company registered under Companies Act-2013: The tenderer shall submit (i) the copies of MOA (Memorandum of Association) / AOA (Articles of Association) of the company; and (ii) A copy of Authorization/Power of Attorney issued by the Company (backed by the resolution of Board of Directors) in favour of the individual to sign the tender on behalf of the company and create liability against the company. 6.LLP (Limited Liability Partnership) Firm: If the tender is submitted on behalf of a LLP Firm registered under LLP Act-2008,the tenderer shall submit alongwith the tender- (i) a copy of LLP Agreement, (ii) a copy of Certificate of Incorporation; and (iii) a copy of Power of Attorney/Authorisation issued by the LLP Firm in favour of the individual to sign the tender on behalf of the LLP Firm and create liability against the Firm.7.Registered Society & Registered Trust: The tenderer shall submit (i) a copy of the Certificate of Registration, (ii) Deed of Formation; and (iii) a copy of Power of Attorney in favour of the individual to sign the tender documents and create liability against the Society/Trust. If the above required documents are not uploaded along with the tender, to prove the STATUS of firm that thetender was submitted on behalf of a Sole Proprietorship firm /HUF/ Partnership firm / Joint Venture / Company registered under Companies Act-2013/ LLP(Limited Liability Partnership) Firm: / Registered Society & Registered Trust: etc., then the tender shall be treated as having been submitted by the individual who has signed the tender and the offer will be dealt accordingly.</p>	Yes	Yes	Allowed (Mandatory)
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6. Documents attached with tender

S.No.	Document Name	Document Description
1	TDKOTA-SNT-SIG-2025-55R150-UPLOAD_.pdf	TD SIG 2025 55R150

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: RAHUL . JAREDA

Designation : Sr.DSTECO/KOTA