

**PROJ-NGP-S AND T/SOUTH EAST CENTRAL RLY
TENDER DOCUMENT**

Tender No: 01-NGP-PROJ-ST-2026-27

Closing Date/Time: 24/07/2026 15:00

DYCS **Projectngp** acting for and on behalf of The President of India invites E-Tenders against Tender No **01-NGP-PROJ-ST-2026-27** Closing Date/Time 24/07/2026 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	MSDAC replacement work (Single Set with complete replacement of 6Quad cable) in Kalumna(KAV)-Durg(DURG) Section (UP/DN/JOINT line) in Nagpur division of SECR		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Two Packet System
Tender Closing Date Time	24/07/2026 15:00	Date Time Of Uploading Tender	29/06/2026 23:29
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	879966085.00	Tendering Section	TENDER
Bidding Style	Single Rate for Each Schedule	Bidding Unit	
Earnest Money (Rs.)	17599300.00	Validity of Offer (Days)	90
Tender Doc. Cost (Rs.)	0.00	Period of Completion	11 Months
Contract Type	Works - General	Contract Category	Expenditure
Bidding Start Date	10/07/2026		
Are JV allowed to bid	Yes	Number of JV Member Allowed	3
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 () A-Execution							140739403.00	Above/ Below/P ar
1	A	590.00	Kilometre	72761.00	42928990.00	AT Par	42928990.00	
	Description:- Excavation of trench and clearing of roots of trees, bushes, ballast and reconditioning etc., including bailing out water and disposal of extra soil. all soils including soft rocky area. Depth 1.0 Mtr. & width 0.3 Mtr.NOTE : (1) This includes guarding of cables, relaying of cables and redoing of cable jointing in case of the thefts or otherwise at contractor's own cost for item no. as mentioned above till commissioned							
2	A	48.00	Kilometre	319628.00	15342144.00	AT Par	15342144.00	
	Description:- Excavation of trenches including clearing of roots of trees etc. in hard/rocky soil by chiseling up to a depth of minimum 0.6 Mtr. and width 0.3 Mtr. at the bottom, supply and placing RCC hume pipe section as per drawing on sieved soil of 30mm over cable / HDPE pipe and concreting through - out the length upto a layer of 75mm. Then back filling the trench and then ramming of soil.							
3	A	18500.00	Metre	109.00	2016500.00	AT Par	2016500.00	
	Description:- Cutting & smoothening of inside surface of size 80mm deep and 70mm width chase in concrete or hard rocks							
4	A	3000.00	Metre	2134.00	6402000.00	AT Par	6402000.00	
	Description:- Track crossing, Road Crossing by pushing method (HDD method) at culverts/ track / pucca road crossing at a depth not less than 1 meter with reference to bottom of rail/road surface including supply of GI pipe with 76 mm dia, Spec. No. -1239 medium grade (for the length of pushing more than 05 meters)							
	A	750.00	Kilometre	16237.80	12178350.00	AT Par	12178350.00	

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5	Description:- Laying of S&T Cables of various cores/ pairs/ quads in trenches/ GI pipes/ RCC pipes/ DWC pipes/ Trunking. This also includes laying of cables in track crossings & road crossings. Item includes provision of labels of coloured plastic adhesive tapes or any other identifiable material on each cable to give the cable number at each Gantry Post/hectometer post. (Cables will be meggered 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. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Execution						
6	A	13095.00	Metre	723.00	9467685.00	AT Par	9467685.00
	Description:- Fixing of Medium class GI pipes 100 mm dia(4.5 mm thickness) / 50 mm dia(3.6 mm thickness) as per IS 1239 (Part 1) : 2004 with coupling on culverts bridges as per SECR Approved Drawing or at any other locations as decided by Site Engineer. It includes installation of all material required for fixing arrangement. Contractor will install flexible/corrugated HDPE pipe at the end of GI pipe along with any masonry work(if required) to protect the cables from sharp edges and sudden bends. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after installation						
7	A	500.00	Numbers	2420.00	1210000.00	AT Par	1210000.00
	Description:- Alteration/Modification in the existing location box, fixing of equipment, cable insertion, termination etc.,						
8	A	530.00	Numbers	16213.00	8592890.00	AT Par	8592890.00
	Description:- The excavation of pit, casting of concrete foundation including surrounding earthwork along the foundation, erection, installation and wiring of steel apparatus case, fixing of terminals, fuse blocks, signal transformer, current transformer, filament switching unit, track battery chargers, adjustable/fixed resistances, choke coils, Fuses, Relays, E type locks , termination of cables, cable insertion, wiring to draw 110V AC therefore in the new apparatus case as required, testing, commissioning including subsequent alterations (if required), bunching of cables, earthing of cable, armours etc. Painting of the apparatus case inside and outside after clearing the surface thoroughly and first coating of anti -corrosive paint and subsequent two coatings of Alluminium paint outside and Red Oxide inside and lettering. 18 mm Hylum sheet for location box shelf and 12 mm for cable termination in location box.NOTE: - Payment can be released in a part for the above said work after completion of-(i) Foundation- 30%,(ii) Errection - 15% ,(iii) Wiring, testing, painting, sand filling, plastering, earthing & writings etc - 45% ,(iv) Commissioning - 10% of the rate.						
9	A	1051.00	Numbers	1882.00	1977982.00	AT Par	1977982.00
	Description:- Fixing of earth electrode assembly This includes earth wire connected through GI wire 8 SWG supported on MS flat of size 6mm x 40mm to earth electrode for signalling equipment such as lever frame,apparatus case,signals,relay rack,block instrumentetc, track circuit equipments & cable armouring soldering ,earthing and soldering as per RE manual.The earth value should be less than 10 ohms including the lead wire. It should be documented and paint on earth enclosure made of concrete.Contractor will bring earth enclosure and all other materials required for the provision of earthing.						
10	A	30.00	Numbers	45945.00	1378350.00	AT Par	1378350.00
	Description:- Transportation , Grouting, installation , fixing , wiring of Q-series/Composite Relay Racks and cable termination racks (New).						
11	A	50.00	Numbers	18796.00	939800.00	AT Par	939800.00
	Description:- Alteration of existing Q-series/Composite Relay Racks and cable termination racks.						
12	A	5500.00	cum	2796.00	15378000.00	AT Par	15378000.00
	Description:- 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). Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Execution						
13	A	350.00	Numbers	1316.00	460600.00	AT Par	460600.00
	Description:- Installation of Thermo-shrinkable jointing kits for making (a) straight through joints without transformer for 6 -quad Jelly filled cable, (b) Derivation joint with transformer for 6-Quad Jelly filled cable/10pr/20pr PIJF , and (c) Straight Through joint without transformer for10 Pr/20Pr. PIJF cables and construction of Brick Chamber for protection of joints with contractor's all materials as per SECR Drg where VF transformers are not required. NOTE:- 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 redo the joint free of cost.						
14	A	450.00	Set	5764.00	2593800.00	AT Par	2593800.00
	Description:- Transportation, Installation and commissioning of the maintenance free earth as per RDSO Specification						
15	A	996.00	Per Detection Point (DP)	1862.00	1854552.00	AT Par	1854552.00

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	Description:- Installation, testing & commissioning of Detection Point as per RDSO Spec. No. RDSO/SPN/176/2013 (Ver.3) or latest							
16	A	1.00	Lot	100000.00	100000.00	AT Par	100000.00	
	Description:- MiSC.Item (for unforeseen expenditure during executon as well as commissioning)							
17	A	5000.00	Man-Days	489.00	2445000.00	AT Par	2445000.00	
	Description:- Providing services of helping hand man power to carry out miscellaneous/sundry works in the office/field and accompanying Railway staff with all expenses of transportation, accommodation, food, consumables etc., with all ascents/descents, taxes, octroi, cess, fees, duties, with contractors tools							
18	A	8800.00	Hour	603.00	5306400.00	AT Par	5306400.00	
	Description:- Deployment of Prokline/ Hydra operation at site for exposing the burried cables or relocation the Location Box/ Signal Post							
19	A	200.00	Metre	241.00	48200.00	AT Par	48200.00	
	Description:- Physical tracing and opening/locating existing working cables by precession digging for diversion of cables in connection with cable clearance							
20	A	20.00	Kilometre	32603.00	652060.00	AT Par	652060.00	
	Description:- Laying of second class bricks including supply of required quantity at site on single/multiple cable laid in the trench (Approx 9 bricks per mtr).							
21	A	4000.00	Metre	254.00	1016000.00	AT Par	1016000.00	
	Description:- Laying of half round RCC Hume Pipe with 150 mm dia and 1 meter long including supply at site on single /multiple cable laid in the trench							
22	A	16000.00	Metre	432.00	6912000.00	AT Par	6912000.00	
	Description:- " cutting of solid rocks making channels 150mm wide at the bottom x 200 mm deep by chase cutting and concreting upto the ground level after cable laying /placing HDPE Pipe"							
23	A	100.00	Numbers	573.00	57300.00	AT Par	57300.00	
	Description:- cutting the masonry wall to the depth of 0.25m to 0.75 m at the entry of room placing of flexible HDPE Pipe or GI Pipe (including Supply) of suitable size as per instructions of railway site in charge and repairing of masonry wall and cement plastering after the cable is taken inside the flexible HDPE Pipe/GI pipe with clamps as per drawing No. RE/S&T/ALD/SK/161/81							
24	A	2400.00	Metre	617.00	1480800.00	AT Par	1480800.00	
	Description:- "Horizontal direction drilling (HDD)/Trenchless digging/ machine drilling without damage to surface road track for laying/insertion of HDPE/GI/DWC pipe. The bore shall be done of min. diameter 120mm & at the depth of minimum 1400 mm from the ground level. The ground level shall be considered ignoring the bank height of the bank of the road. Note:- DWC/HDPE/GI Pipe Supply is not covered under this item. Contactor shall provide all material required for work and adequate nos, of labours for proper laying of cables into the bore. Cable shall be laid cautiously so that it should not get damage due to rough handling & pressure on cable."							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () B-Supply							41038485.00	Above/ Below/P ar
1	B	15.00	Kilometre	112681.00	1690215.00	AT Par	1690215.00	
	Description:- Supply of 1 x 10 Sqmm (Red/Black/Green) multi strand copper power wire as per IS:694:2010 or latest, 140 conductor each dia 0.30 +/- 0.01 with insulation thickness of 1.0 mm and nominal conductor resistance of 1.91 ohms/km and test parameters as per RDSO Specn.No.IRS:S-76/89(Amnd.3) or latest.Colour of the wire which is required will be specified by the Engineer incharge. Inspection: RDSO							
2	B	15.00	Kilometre	143045.00	2145675.00	AT Par	2145675.00	
	Description:- Supply of PVC insulated Railway Signaling multi-core Indoor Cable 60 core (0.6 mm dia) conforming to IRS:76/89(Amd3) or latest. Inspection: (i) RDSO							
3	B	15.00	Kilometre	35877.00	538155.00	AT Par	538155.00	
	Description:- Supply of Single Core 2.5 Sq mm flexible wire as per IS:694:2010. Inspection by RDSO.							
4	B	530.00	Numbers	15782.00	8364460.00	AT Par	8364460.00	
	Description:- Supply of Steel Apparatus Case(Large) as per Drg.No. Con/SK/1/1/86 , with E type lock on both side having ward No.32 (SECR Typical LB DRG-79/2023 attached). Inspection by RITES							
5	B	1051.00	Numbers	1213.00	1274863.00	AT Par	1274863.00	
	Description:- Supply of earth Electrodes to Drg. No: Con/SK/8/3/84. Inspection by RITES.							
6	B	76.00	Numbers	10395.00	790020.00	AT Par	790020.00	

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	Description:- Supply of composite Relay Rack as per drg.No.SK/DRG/OL/SER/192- SH1/2.The relay racks must be powder coated of stone grey colour. Inspection by Rep. of Railway Engineer						
7	B	7973.00	Numbers	361.00	2878253.00	AT Par	2878253.00
	Description:- Supply of ARA terminal 6 way with PBT material. Inspection by RDSO						
8	B	5000.00	Numbers	76.00	380000.00	AT Par	380000.00
	Description:- Supply of Disconnect Terminal Block, Screw less type, 4-wire front entry (Two in-put & Two out-put) The colour will be decided by Engineer - in - Charge. (Preferably In Blue, Red & Grey Colors in the ratio of 1:2:3) Inspection by RDSO/RITES						
9	B	165.00	Numbers	3254.00	536910.00	AT Par	536910.00
	Description:- Supply of Thermo shrink Universal Jointing kit for Quad Cable (for straight joints) as per RDSO spec IRS/TC-77/2012 revision 3 With latest Amd. Inspection by RDSO						
10	B	450.00	Numbers	23055.00	10374750.00	AT Par	10374750.00
	Description:- Supply of maintenance free earth. This includes supply as per RDSO specification No.RDSO/SPN/197/2008 Ver.1 consisting of single earth pit which includes supply of 35 sq.mm / 16 sq.mm / 10 sq.mm multistrand single core PVC insulated copper cable as per 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: (Inspection Authority by RDSO for Supply Portion). (a) Copper bonded steel electrode of 3.0 Meter long, 17mm dia with copper bondingFixing and supply of maintenance free earth. This includes supply as per RDSO specification No.RDSO/SPN/197/2008 Ver.1 consisting of single earth pit which includes supply of 35 sq.mm / 16 sq.mm / 10 sq.mm multistrand single core PVC insulated copper cable as per 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: (Inspection Authority by RDSO for Supply Portion). (a) Copper bonded steel electrode of 3.0 Meter long, 17mm dia with copper bonding thickness of minimum 250 microns and UL listed and marked - 1 No.(b) Earth enhancement compound of RDSO approved brand supplied in sealed bag of minimum 10 kg - 3 Nos.(c) Copper strip of 150 x 25 x 6 mm to terminate earth rod - 1 No. (d) Copper strip of 300 x 25 x 6mm (MEEB) - 1 No.(e) Copper strip of 150 x 25 x 6mm (SEEB) - 1 No.(f) Digging/Auguring/Boring of single earth pit of 100mm to 125mm 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 soil is 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 of 150 x 25 x 6mm. (j) Carrying out exothermal weld connection on the copper tape of 150 x 25 x 6mm on earth electrode for connecting two 35 sq.mm. Cable for redundancy.(k) The exothermal welding material for bonding the earth system shall be procured from RDSO approved firms which includes graphite moulds, clamps, weld metal powder.(l) 300 x300 x 300 mm (inside dimensions) concrete earth pit with a concrete lid approximately 50mm thick with pulling hooks shall be provided to cover the pit. Back side of the cover will be painted in black and date of testing and average resistance value shall be written. Inspection by RDSO						
11	B	1.00	Numbers	1225714.00	1225714.00	AT Par	1225714.00
	Description:- Supply of Insulation Monitoring Device with fault locator kit for Railway signaling and telecommunication (S&T) systems with article ID:I30120001 of M/s Bender India Private Limited make (Inspection by RITES)						
12	B	2000.00	Metre	259.00	518000.00	AT Par	518000.00
	Description:- Supply of Wiring ladder of size 25x25x3mm. Ladder should be double coated paint and insulated from wires. Inspection by Consignee						
13	B	200.00	Kilometre	10460.00	2092000.00	AT Par	2092000.00
	Description:- Supply of Cable PVC Unsheathed Single Core 16/0.2 mm as per colour combination instructed by Railway Engineer. Inspection by RDSO.						
14	B	1100.00	Numbers	79.90	87890.00	AT Par	87890.00
	Description:- Supply of round head type non-deterorating type low voltage cartridge fuse as per RDSO Specn.No.IRS:S-78/92 or latest and Capacity - 4A. (material will be supplied only from approved vendors of RDSO). Inspection by RDSO.						
15	B	800.00	Numbers	183.00	146400.00	AT Par	146400.00
	Description:- Fuse Block for above fuse catridge Inspection by RDSO						
16	B	1200.00	Metre	66.00	79200.00	AT Par	79200.00
	Description:- Supply of PVC insulated GI flexible wire for lead wire of track circuit used in Railway signalling. Dia 6mm (19 Sqmm cross sectional area) Constrction 7x7 core WSC. Lay Right Hand ordinary. Finish Galvanised. Tensile strength 125- 140kgf/sqmm. Confirming to IRS S3-61. PVC thickness Imm. O.D. 8mm. Inspection by Consignee.						
17	B	750.00	Numbers	4804.00	3603000.00	AT Par	3603000.00
	Description:- Supply of Relay Non-AC Immune plug-in type Style "QNA1K Neutral line 24V DC 12F.4B contacts (inspection By RDSO)						
	B	550.00	Numbers	3821.00	2101550.00	AT Par	2101550.00

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18	Description:- Supply of Relay Non-AC Immune plug-in type Style "QN1 Neutral line 24V DC 12F.4B contacts (Inspection By RDSO)							
	B	550.00	Numbers	3821.00	2101550.00	AT Par	2101550.00	
19	Description:- Supply of Relay Non-AC Immune plugin Style QN1 Neutral line 24V DC 8F.8B contacts (Inspection By RDSO)							
	B	20.00	Numbers	2544.00	50880.00	AT Par	50880.00	
20	Description:- Supply of Timer Relay Fail safe type of electronic time delay device (Inspection by RDSO)							
	B	1000.00	Kg	59.00	59000.00	AT Par	59000.00	
21	Description:- Supply of Wire IG 8 SWG for Bonding. (Inspection by Consignee)							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () C-Supply and installation & T&P Items							24196233.00	Above/ Below/Par
1	C	10.00	Set	81726.00	817260.00	AT Par	817260.00	
	Description:- Supply of MSDAC Toolkit as per ANNEXURE-TOOLKIT. Inspection by RITES							
	C	550.00	Sheet	974.00	535700.00	AT Par	535700.00	
2	Description:- Design & Preparation, supply of drawings & documents A3 size as per instruction of railway authority engineer.							
	C	15.00	Set	902815.80	13542237.00	AT Par	13542237.00	
3	Description:- Supply, Installation and commissioning of Lightning Protection System as per ANNEXURE-II duly following Latest TAN of earthing(this includes all types of earths i.e. Class-A, B, C: LPS, Ring Earth) at buildings. Inspection by RITES for Supply Part.							
	C	50.00	Set	102190.50	5109525.00	AT Par	5109525.00	
4	Description:- Supply & Installation of Micro-controller Based Earth Sensing Unit For Quad Cables capable of monitoring 24 nos of conductors. Inspection by RDSO.							
	C	5304.00	Numbers	394.00	2089776.00	AT Par	2089776.00	
5	Description:- Supply and fixing of Cable route marker as per SECR Approved drawing as per drawing no. SDO/Cable laying/020.(Inspection By Consignee)							
	C	1.00	Numbers	5204.00	5204.00	AT Par	5204.00	
6	Description:- Design and development of Station working rule Diagram (SWRD) based on SIP of station in size U(A3) as per SEM							
	C	1.00	Numbers	1256.00	1256.00	AT Par	1256.00	
7	Description:- Design & development of cable route plan in size U(A3) as per SEM.							
	C	1.00	Numbers	2511.00	2511.00	AT Par	2511.00	
8	Description:- Design & development of cable corage plan in size U(A3) as per SEM							
	C	60.00	Numbers	1004.00	60240.00	AT Par	60240.00	
9	Description:- Design and development of Circuit Diagram/Logic in size B(A3) as per SEM							
	C	4.00	Numbers	8259.00	33036.00	AT Par	33036.00	
10	Description:- supply of BOSCH GBL 18V- 120 heavy duty cordless Air blower (solo tool). Inspection by Consignee.							
	C	4.00	Numbers	87662.00	350648.00	AT Par	350648.00	
11	Description:- Supply of Digital Multi meter (Fluke Model No.287 or similar or higher version) complete with all necessary attachments Test leads Carrying Case. Note: The product to be purchase from OEM/OEM authorised dealer along with calibration certificate and should be submitted along with instrument. Inspection by Consignee.							
	C	4.00	Numbers	171156.00	684624.00	AT Par	684624.00	
12	Description:- Supply of tools & plants instruments. each set containing the following items. 1) Cutting plier (Taparia make or similar) 200mm insulated= 1 no. ii) Nose plier round insulated 150 mm (Taparia make or similar)- 1 no iii)Screw diver adjustable with common handle for different screw diver(Taparia make or similar) = 1 no. iv) Spanner double. Inspection by Consignee.							
	C	2.00	Numbers	6178.00	12356.00	AT Par	12356.00	
13	Description:- Supply of Hand Operated Insulation tester with test lead carrying case and manufacturer calibration test certificate Nippen make or similar : 100 Volt 100 M Ohms. Inspection by Consignee.							
	C	2.00	Numbers	7330.00	14660.00	AT Par	14660.00	
14	Description:- Supply of Hand Operated Earth tester 4 terminal type with complete testing kit carrying case and manufacturer calibration test certificate Nippen make or similar Range : 0-10 Ohms. Inspection by Consignee.							

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15	C	8.00	Set	29900.00	239200.00	AT Par	239200.00	
	Description:- Supply of Portable Hand held service terminal for the purpose of data and measurement recording facility for Office as well as Site staff. Specifications as given in ANNEXURE-PHHST.							
16	C	10.00	Set	69800.00	698000.00	AT Par	698000.00	
	Description:- Supply of Hand held service terminal for the purpose of data and measurement recording facility for Office as well as Site staff. Specifications as given in ANNEXURE-HHST.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () D-High value item							673991964.00	Above/ Below/P ar
1	D	996.00	Per Detection Point (DP)	341429.00	340063284.00	AT Par	340063284.00	
	Description:- Supply of Multi Section Digital Axle Counter (MSDAC) complete system as per RDSO Spec. No. RDSO/SPN/176/2013 (Ver.3) or latest alongwith required installation material. Annexure attached herewith with tender document for supply and installation of MSDAC to be followed. Inspection by RDSO							
2	D	125.00	Kilometre	271423.60	33927950.00	AT Par	33927950.00	
	Description:- Supply of 12 core x 1.5 sq mm.under ground railway signalling cable unscreened PVC outer Jackat with high conductivity annealed copper conductor of size 1.5 sq. mm 1100V electrical grade suiting to RDSO specification No.IRS:S- 63/2014(Rev.4.0) with amendment no. 2.0 or latest. Inspection by RDSO							
3	D	495.00	Kilometre	383500.00	189832500.00	AT Par	189832500.00	
	Description:- Supply of 6 quad polythene insulated cable as per IRS:TC 30/2005 (Ver. 1) with Amdt. 1 to 5 or latest.- (0.9 mm dia.). (Inspection By RDSO)							
4	D	24.00	Set	1800000.00	43200000.00	AT Par	43200000.00	
	Description:- "Design, Manufacture and Supply of Hot Standby Architecture Fail - Safe Network FNMux Central Unit (CU) as per RDSO Specification No. RDSO/SPN/211/2022 Ver. 1.0 (with latestamendment) as per Technical Specification and scope of work given by user Executive Engineer.FNMux Central Unit shall have Safety Integrity Level of 4 (SIL-4) and will be used for transferring vitalsignaling information. Equipment shall be in full duplex dual ring Ethernet network on OFC / reliablewireless communication media. The system shall work on 24V DC. The FNMux Central Unit (CU) musthave all necessary Power Supply, SIL-4 Hot-Standby CPU and Communication (Ethernet Switch,Modem etc.) and must be configured to minimum 8/16 inputs and 8/16 outputs as required for DoubleLine Auto Signaling commissiiong, along with upto 96 Non-Vital Display bits housed in the prewired cabinet supplied against item 8 using cards / submodules supplied against items 3,4,5 & 6 (as perRailway operational requirement) Note: The offered systems must have sufficient hardware / softwarecompatibility to be augmented upto max. RDSO specification limits through addition of cards / submodules and sub-racks""(Insp agency- RDSO)"							
5	D	20.00	Set	1200000.00	24000000.00	AT Par	24000000.00	
	Description:- "Design, Manufacture and Supply of Hot Standby Architecture Fail - Safe Network FNMux Field Unit (FU) as per RDSO Specification No. RDSO/SPN/211/2022 Ver. 1.0 (with latest amendment) as per Technical Specification and scope of work given by user Executive Engineer. FNMux Field Unit shall have Safety Integrity Level of 4 (SIL-4) and will be used for transferring vital signaling information. Equipment shall be in full duplex dual ring Ethernet network on OFC / reliable wireless communication media. The system shall work on 24V DC. The FNMux Field Unit (FU) must have all necessary Power Supply, SIL-4 Hot-Standby CPU and Communication (Ethernet Switch, Modem etc.) and must be configured to minimum 8/16 inputs and 8/16 outputs as required for Double Line Auto Signaling commissiiong, along with upto 96 Non-Vital Display bits housed in the prewired cabinet supplied against item 8 using cards / submodules supplied against items 3,4,5 & 6 (as per Railway operational requirement) Note: The offered systems must have sufficient hardware / software compatibilty to be augmented upto max. RDSO specification limits through addition of cards / submodules and sub-racks. (Inspection by RDSO)"							
6	D	175.00	Set	35000.00	6125000.00	AT Par	6125000.00	
	Description:- "Vital Relay input module (in SIL-4 Hot-Standby config.) as per RDSO Specification No. RDSO/SPN/211/2022 Ver. 1.0 (with latest amendment)shall be so designed that it senses the relay contacts (front contacts and back contacts both). The relay input module shall be capable to be isolated, double break input with the facility of double cutting.Input Modules / Cards with required back plane capacity. Note: This will be used in sets of 8 channels (par card) or as per OEM design for augmentation of Vital Input Capacity of an existing system"" 1 No = 1 Channel (Insp AGENCY-RDSO)"							
	D	175.00	Set	57650.00	10088750.00	AT Par	10088750.00	

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7	Description:- ""Vital Relay output modules (in SIL-4 Hot-Standby config.) as per RDSO Specification No. RDSO/SPN/211/2022 Ver. 1.0 (with latest amendment) shall be capable of driving the output relay (both + and -) using Internal power supply with suitable protection .The Relay output module shall drive isolated output. Output Modules / Cards with required back plane capacity. Note: This will be used in sets of 8 channels (per card) or as per OEM design for augmentation of Vital Output Capacity of an existing system""1 No = 1 Channel (Insp Agency-RDSO)"						
8	D	175.00	Set	16500.00	2887500.00	AT Par	2887500.00
	Description:- "Supply of Non vital Relay input module (in Hot-Standby config.) shall be so designed that it senses the relay contacts (front contacts). The relay input module shall be capable to be isolated, double break input with the facility of double cutting.Input Modules / Cards with required back plane capacity. Note: This will be used in sets of 8 channels or as per OEM design for augmentation of Non-Vital Input Capacity of an existing system"" 1 No = 1 Channel (Insp AgencyRDSO)"						
10	D	175.00	Set	22500.00	3937500.00	AT Par	3937500.00
	Description:- "Supply of Non Vital Relay output modules (in Hot-Standby config.) shall be capable of driving the output relay using Internal power supply with suitable protection .The Relay output module shall drive isolated output. Output Modules / Cards with required back plane capacity Note: This will be used in sets of 8 channels (per card) or as per OEM design for augmentation of Non-Vital Output Capacity of an existing system""1 No = 1 Channel (Insp Agency-RDSO)"						
11	D	24.00	Set	120000.00	2880000.00	AT Par	2880000.00
	Description:- "Supply, Configuration and Installation of Maintenance Software Module (capable of working on Windows 10 or higher computer having minimum configuration of i5 / 16GB RAM, 256GB SSD) for continuous Diagnostic and Real-Time system operation Display on Desktop PC or Laptop placed Locally or remotely connected via Gateway / Ethernet. Note: The supply of PC or Laptop on which the software will be installed is beyond the scope of this item and shall have to be provided from your end."						
12	D	24.00	Set	95000.00	2280000.00	AT Par	2280000.00
	Description:- "Supply of pre-wired powder coated MS - Cabinet of 42U/ 19"" wide or 28U / 38"" wide (approx.) size ready for housing of Hot Standby Architecture Fail - Safe Network Mux (FN-MUX) as per RDSO Specification No. RDSO/SPN/211/2022 Ver. 1.0 (with latest amendment), complete with all Cards, accessories, power supplies, SPD, terminals sufficient for exchanging upto 32 Input / Outputs bits of Vital ICC for controlling Automatic Signals (in UP & DN direction) and gathering upto 96 NonVital bits of tracks signals, LC Gate and miscellaneous states etc. (as reqd.) for real-time display at adjoining stations, for commissioning of Automatic Block Signalling application(Insp Agency-RDSO)"						
13	D	24.00	Set	165000.00	3960000.00	AT Par	3960000.00
	Description:- "Configuration, Programming and Testing of Hot Standby Architecture Fail - Safe Network Mux (FN-MUX) as per RDSO Specification No. RDSO/SPN/211/2022 Ver. 1.0 (with latest amendment / revision, if any) in Auto Hut / Station, supplied against Item 1, to meet site I/O requirements"						
14	D	24.00	Set	150000.00	3600000.00	AT Par	3600000.00
	Description:- "Erection, Installation, Wiring and Commissioning of Hot Standby Architecture Fail - Safe Network Mux (FN-MUX) as per RDSO Specification No. RDSO/SPN/211/2022 Ver. 1.0 (with latest amendment / revision, if any) in Auto Hut / Station, supplied against Item 1"						
15	D	24.00	Set	300395.00	7209480.00	AT Par	7209480.00
	Description:- "Supply of Stand-alone 43"" LED TV with Industrial PC (min. i5 or i7 / 16GB RAM / 256 GB SSD Windows 10 or better) complete with all accessories and configuration software/ tools to work along with Non-Vital Display Station Unit. (Inspection by RDSO / RITES / TPA)"						

3. ITEM BREAKUP

No item break up added

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

Standard Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	SGCC clause 10.2. Financial Eligibility Criteria: The tenderer must have minimum average annual contractual turnover of V/N or 'V' Whichever is less; where V= Advertised value of the tender in crores of Rupees N= Number of years prescribed for completion of work for which bids have been invited. The average annual contractual turnover shall be calculated as an average of "total contractual payments" in the previous three financial years, as per the audited balance sheet. However, in case balance sheet of the previous year is yet to be prepared/ audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover. The tenderers shall submit requisite information as per AnnexureVIB, 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)
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Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Similar Nature of work :- MACLS Outdoor Signaling works like Cable trenching & laying/ location erection and wiring/ point machine installation or replacement (including power operated siding points/ signal foundation and erection/ track circuiting/ double distant /BPAC installation/ Axle counter installation/ installation of sliding barrier/ conventional earthing etc. (O R) Installation or Modification of PI/RR/ EI/IBS/ABS/LC Interlocking work (O R) Miscellaneous Signaling Maintenance works (OR) Telecom work of trenching laying jointing and termination of Quad/ PIJF/OFC cable.	No	No	Allowed (Mandatory)

Standard Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	<p>SGCC clause 10.1 Technical Eligibility Criteria:(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:(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 costing not less than the amount equal to 60% of advertised value of the tender.(b)(1) In case of tenders for composite works(e.g.works involving more than one distinct component,such as Civil Engg. works,S&T works,Electrical works,OHE works etc.and in the case of major bridges substructure, superstructure etc.),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 each component of tender,or(ii) Two similar works each costing not less than the amount equal to 40% of advertised value of each component of tender,or(iii)One similar work each costing not less than the amount equal to 60% of advertised value of each component of tender. Note forb(1):Separate completed works of minimum required values shall also be considered for fulfillment of technical eligibility criteria for different components.(b) (2)In such cases, what constitutes a component in a composite work shall be clearly pre-defined with estimated tender cost of it, as part of the tender documents without any ambiguity.(b)(3)To evaluate the technical eligibility of tenderer,only components of work as stipulated in tender documents for evaluation of technical eligibility,shall be considered.The scope of work covered in other remaining components shall be either executed by tenderer himself if he has work experience as mentioned in clause7 of the Standard GCC through subcontractor fulfilling the requirements as per clause7 of the Standard GCC or jointly i.e.,partly himself and remaining through subcontractor,with prior approval of Chief Engineer in writing.However if required in tender documents by way of Special Conditions,a formal agreement duly notarised,legally enforceable in the court of law,shall be executed by the main contractor with the subcontractor for the component(s) of work proposed to be executed by the subcontractor(s),and shall be submitted along with the offer for considering subletting of that scope of work towards fulfilment of technical eligibility.Such subcontractor must fulfill technical eligibility criteria as follows:The subcontractor shall have successfully completed at least one work similar to work proposed for subcontract, costing not less than 35% value of work to be subletted,in last 5 years,ending last day of month previous to the one in which tender is invited through a works contract.Note:for subletting of work costing up to Rs 50lakh,no previous work experience of subcontractor shall be asked for by the Railway. In case after award of contract or during execution of work it becomes necessary for contractor to change subcontractor,the same shall be done with subcontractor(s) fulfilling the requirements as per clause7 of the Standard GCC with prior approval of Chief engineer in writing.</p>	No	No	Allowed (Mandatory)
1.1	<p>Note for Item 10.1: Work experience certificate from private individual shall not be considered. However, in addition to work experience certificates issued by any Govt. Organisation, work experience certificate issued by Public listed company having average annual turnover of Rs 500 crore and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange, incorporated/registered at least 5 years prior to the date of closing of tender, shall also be considered provided the work experience certificate has been issued by a person authorized by the Public listed company to issue such certificates. In case tenderer submits work experience certificate issued by public listed company, the tenderer shall also submit along with work experience certificate, the relevant copy of work order, bill of quantities, bill wise details of payment received duly certified by Chartered Accountant, TDS certificates for all payments received and copy of final/last bill paid by company in support of above work experience certificate.</p>	No	No	Not Allowed

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1.2	<p>The tenderer shall submit along with the tender document, documents in support of his / their claim to fulfil the eligibility criteria as mentioned in the tender document. Each page of the copy of documents / certificates in support of credentials, submitted by the tenderer, shall be selfattested / digitally signed by the tenderer or authorized representative of the tendering firm. Self- attestation shall include signature, stamp and date (on each page). Credentials required to be submitted by the tenderer mandatory along with tender document : 1) "The tenderers shall submit a Certificate stating that they are not liable to be disqualified and all their statements/ documents submitted alongwith bid are true and factual. Standard format of the Certificate to be submitted by the bidder as mentioned in Submission of Document Verification Certificate. Non submission of Certificate by the bidder shall result in summarily rejection of his / their bid. And it shall be mandatorily incumbent upon the tenderer to identify, state and submit the supporting documents duly self-attested by which they / he is qualifying the Qualifying Criteria mentioned in the Tender Document. It will not be obligatory on the part of Railway to scrutinize beyond the submitted document of tenderer as far as his qualification for the tender is concerned." a) The Railway reserves the right to verify all statements, information and documents submitted by the bidder in his tender offer, and the bidder shall, when so required by the Railway, make available all such information, evidence and documents as may be necessary for such verification. Any such verification or lack of such verification, by the railway shall not relieve the bidder of its obligations or liabilities hereunder nor will it affect any rights of the railway there under. b) In case of any wrong information submitted by tenderer, the contract shall be terminated, Bid security, Performance Guarantee (PG) and Security Deposit (SD) of contract forfeited and agency barred for doing business on entire Indian Railways for 5 (five) years</p>	No	No	Not Allowed
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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.
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
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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)
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5. COMPLIANCE

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

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	List of completed works being submitted for fulfilment of eligibility criteria for similar nature of work must give description of work,, organization for whom executed, approximate value of contract at the time of award, date of award and date of scheduled completion of work, date of actual start, actual date of completion and final value of contract at the time of bill finalization should also be given.	No	No	Allowed (Mandatory)
2	The tenderer whether sole proprietor / a company or a partnership firm / joint venture (JV) / registered society / registered trust / HUF etc if they want to act through agent or individual partner(s), should submit along with the tender, a copy of power of attorney duly stamped and authenticated by a Notary Public or by Magistrate in favour of the specific person whether he/they be partner(s) of the firm or any other person specifically authorizing him/them to submit the tender, sign the agreement, receive money, co-ordinate measurements through contractor's authorized engineer, witness measurements, sign measurement books, compromise, settle, relinquish any claim(s) preferred by the firm and sign "No Claim Certificate" and refer all or any disputes to arbitration.	No	No	Allowed (Mandatory)
2.1	The above power of attorney shall be submitted even if such specific person is authorized for above purposes through partnership deed / Memorandum of Understanding / Article of Association or such other document, failing which tender is liable to be rejected	No	No	Allowed (Mandatory)
3	Documents to be Submitted Along with Tender (i) The tenderer shall clearly specify whether the tender is submitted on his own (Proprietary Firm) or on behalf of a Partnership Firm / Company / Joint Venture (JV) / Registered Society / Registered Trust / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc. The tenderer(s) shall enclose the attested copies of the constitution of their concern, and copy of PAN Card along with their tender. Tender Documents in such cases are to be signed by such persons as may be legally competent to sign them on behalf of the firm, company, association, trust or society, as the case may be. (ii) Following documents shall be submitted by the tenderer:	No	No	Allowed (Mandatory)
3.1	Following documents shall be submitted by the tenderer in case of Sole Proprietorship Firm: (i) All documents in terms of Para 10 of the Tender Form (Second Sheet of GCC-2022).	No	No	Allowed (Mandatory)
3.2	Following documents shall be submitted by the tenderer in case of HUF: (i) 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. (ii) All other documents in terms of Para 10 of the Tender Form (Second Sheet of GCC-2022).	No	No	Allowed (Mandatory)

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3.3	Following documents shall be submitted by the tenderer in case of Company registered under Companies Act 2013: (i) The copies of MOA (Memorandum of Association) / AOA (Articles of Association) of the company (ii) A copy of Certificate of Incorporation (iii) 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. (iv) All other documents in terms Para 10 of the Tender Form (Second Sheet of GCC-2022).	No	No	Allowed (Mandatory)
3.4	Following documents shall be submitted by the tenderer in case of LLP (Limited Liability Partnership): (i) A copy of LLP Agreement (ii) A copy of Certificate of Incorporation (iii) A copy of Power of Attorney/Authorization issued by the LLP in favour of the individual to sign the tender on behalf of the LLP and create liability against the LLP. (iv) An undertaking by all partners of the LLP that they are not blacklisted or debarred by Railways or any other Ministry / Department of the Govt. of India from participation in tenders / contracts as on the date of submission of bids, either in their individual capacity or in any firm/LLP or JV in which they were / are partners/members. Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the Standard General Conditions of Contract. (v) All other documents in terms of Para 10 of the Tender Form (Second Sheet of GCC-2022)	No	No	Allowed (Mandatory)
3.5	The tenderer shall clearly specify that the tender is submitted on behalf of a partnership firm. The following documents shall be submitted by the partnership firm, with the tender: (i) A notarized copy of the Partnership Deed or a copy of the Partnership deed registered with the Registrar. (ii) A notarized or registered copy of Power of Attorney in favour of the individual to tender for the work, sign the agreement etc. and create liability against the firm. (iii) An undertaking by all partners of the partnership firm that they are not blacklisted or debarred by Railways or any other Ministry / Department of the Govt. of India from participation in tenders / contracts as on the date of submission of bids, either in their individual capacity or in any firm/LLP in which they were / are partners/members. Any Concealment / wrong information in regard to above shall make the bid ineligible or the contract shall be determined under Clause 62 of the Standard General Conditions of Contract. (iv) All other documents in terms of Para 10 of the Tender Form (Second Sheet of GCC-2022)	No	No	Allowed (Mandatory)
3.6	Following documents shall be submitted by the tenderer in case of Registered Society & Registered Trust (i) A copy of Certificate of Registration (ii) A copy of Memorandum of Association of Society/Trust Deed (iii) A copy of Power of Attorney in favour of the individual to sign the tender documents and create liability against the Society/Trust. (iv) A copy of Rules & Regulations of the Society (v) All other documents in terms of Para 10 of the Tender Form (Second Sheet of GCC-2022).	No	No	Allowed (Mandatory)
4	Letter of credit as mode of payment in works tenders or service tenders is available. It is an option for the contractor to take payment from Railways through a letter of credit (LC) arrangement. The details letter of credit as Annexure - A is available at document section	No	No	Allowed (Optional)
5	Please submit bank details of the firm individual JV/partnership etc. i.e. name of the bank along with bank branch code, account number, IFSC code, PAN number and other necessary & relevant documents.	No	No	Allowed (Mandatory)
6	All tenders for both supplies and works (including all service and maintenance contracts) having estimate value of Rs.10.00 Lakhs and above, an option for supplier/contractor to take payment from railway through a letter of credit (LC) arrangement. As per instruction of Railway Board's letter No.2018/CE-1/CT/9 dt. 04.06.2018 and FA & CAO/G/ECR's vide his letter No.ECR/Fin/Exp/LC dated 16.05.2018, a format (Annexure-A) is attached herewith for documents.	No	No	Allowed (Optional)

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7	The Railway reserves the right to verify all statements, information and documents submitted by the bidder in his tender offer, and the bidder shall, when so required by the Railway, make available all such information, evidence and documents as may be necessary for such verification. Any such verification or lack of such verification, by the Railway shall not relieve the bidder of its obligations or liabilities hereunder nor will it affect any rights of the Railway there under	No	No	Not Allowed
7.1	In case of any information submitted by tenderer is found to be false, forged or incorrect after the award of contract, the contract shall be terminated. Bid Security, Performance Guarantee and Security Deposit available with the railway shall be forfeited. In addition, other dues of the contractor, if any, under this contract shall be forfeited and agency shall be banned for doing business for a period of upto two years.	No	No	Not Allowed
8	The following documents should be specified for submission along with tender:	No	No	Not Allowed
8.1	List of Personnel, Organization available on hand and proposed to be engaged for the subject work	No	No	Allowed (Mandatory)
8.2	List of plant Machinery available on hand own and proposed to be inducted own hired to be given separately for the subject work.	No	No	Allowed (Mandatory)
8.3	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.	No	No	Allowed (Mandatory)
9	(h) If a tender is accepted on the quoted rates of bidder which is below the advertised tender value an additional performance security shall be submitted by the bidder as below: If quoted rate is within (0 to -5%) then no additional PBG . If Quoted rate is lesser than (-5 %) then additional PBG of 5% is applicable.	No	No	Not Allowed
10	PVC Clause shall be applicable for the underground 6 Quad cable and 12 C Signalling cable.	Yes	Yes	Not Allowed
11	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	All the documents (labelled mandatory) asked for uploading while e-tendering against the stipulations/conditions should be mandatorily complied. Non-submission of requisite document may lead to summarily rejection of offer/bid..	No	No	Not Allowed
2	For those conditions for which standard formats have been given in the uploaded document titled-Formats for uploading of various format. The information should only be submitted in these standard formats.	No	No	Not Allowed
3	Rates are inclusive of all taxes/octroi, license fee, royalty charges etc. legally leviable by State, Central Govt. and/or any other local authority.	No	No	Not Allowed
4	In addition to General condition of contract 2022 and Indian Railways Unified standard specification Works Materials Volume I II 2010, revised upto date, special condition attached shall also apply.	No	No	Not Allowed
5	Taxes as per GST (1st july2017), Royalty etc. will be recovered as per extant instruction on the subject.	No	No	Not Allowed
6	Note for Commercial compliance :-	No	No	Not Allowed
6.1	In case of items 3 and 11 of Commercial Compliance, supportive documents/certificates from the organizations with whom they worked/are working should be enclosed.	No	No	Not Allowed
6.2	Certificates from private individuals for whom such works are executed being executed is not acceptable.	No	No	Not Allowed

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7	For Standard Financial criteria and Standard Technical criteria Tenderers are required to submitted authenticated certificate along with the tenders from officers of government or semi government/public sector undertakings under whom the work has been executed indicating there in the name of work executed, value of works/payment details and period during which completed. Such certificates should have signature and seal of the concerned officer. In the absence of such certificate the tender may not be considered.	No	No	Not Allowed
8	BOOKS OF REFERENCE: These tender documents are to be read with the followings books with versions updated/corrected/modified up to the date of tender opening: 1) Standard General Conditions of Contract April 2022 as amended by updated correction slips termed GCC 2022. 2) Eastern Railway L&M Sch 87 as amended by updated correction slips. 3)E.C.Railway Engineering department unified standard schedule or rates 2021 as amended by updated correction slips (termed USSOR, 2021) up to the date of tender dropping. 4) Standard specifications contained in Indian Railways Hand Book Specifications (works and materials)2010. These four books are where-in-after called the "Books of reference" and shall govern this tender as well as the contract resulting from the acceptance from this tender, to the extent that these contents do not conflict with the contains of the various chapters of these documents.	No	No	Not Allowed
9	Tenderer are advised to visit the site of work to ascertain all respect of the site condition viz accessibility, availability of approach road, nature of the soil, availability of material availably of labor etc. that may be encountered in course of execution of work.	No	No	Not Allowed
10	Tenderer should see the website for the corrigendum/addendum to the NIT/tender document, if any that may be uploaded prior to tender opening (inclusive) as there will not be any separate communication for that.	No	No	Not Allowed
11	The contractor shall observe all the formalities perform all the acts and abide by all the provision contained in the contract labour act-1970 and contract labor central rule , 1971 which in addition to other stipulations provided that the contractors shall obtained license from appropriate licensing officer of the area before commencement of the work and shall produced a copy thereof along with the original to the railway office, which will be returned to the contractor after variation.	No	No	Not Allowed
12	If any complaint is received against the contractor regarding violation of contract laws(exposing principal employee to the risk of legal proceedings under labour laws), the guilty contractor will be black listed and their contract shall be terminated following the due procedure apart from initiating criminal proceeding against him with the help of labour department officials.(Authority : RB letter No. 2008/(LI)E/AT/CNR/3, dated: 24.01.2018)	No	No	Not Allowed
13	It is responsibility of the tenderer to see corrigendum, if any, to tender notice up to the date of tender opening. IRSGCC-2022(Works Matter) uploaded for reference only. Any correction issued by competent authority up to date of opening will be applicable. Tender should quote accordingly.	No	No	Not Allowed
14	Though no minimum eligibility criteria is specified for tender value upto Rs. 50 Lakhs, tenderers are advised to upload documents so their financial capacity, capability & past performance to execute the tendered work can be adjudged during evaluation of their offer. Documents testifying tenderer previous experiences for the type of job for which tender is invited with list of works carried out in the past and financial status should be produced along with the tender.	No	No	Not Allowed

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15	It is to be noted that tenderer digital signature on the E-tender form will be considered as confirmation that tenderer have read and accepted all the condition laid down in the documents as well as related specification of items, schedule & quantity of items in the tender, considering of techno-commercial offer form (including special condition attached to E-tender) and financial offer form, unless specific deviation is quoted in the techno commercial offer form	No	No	Not Allowed
16	The tenderer has to submit necessary document in compliance of clause 10 to 18 (Part-II) of IRSGCC 2022(Works Matter) mandatorily, otherwise offer will be considered as incomplete offer and accordingly shall not be considered.	No	No	Not Allowed
17	In reference to SI No.2 above, any changes in rate of taxes or any new tax of cess on works contract will be dealt according to Clause 37 of IRSGCC-2022 Works Matter.	No	No	Not Allowed
18	Any conditional offer will be summarily rejected.	No	No	Not Allowed

Technical-Compliances

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	In case of proprietary firm/partnership firm/company/joint venture/registered society/registered trust/HUF etc. instruction stipulated in Sl. No.14 to 18 of GCC-2022 (Second sheet) is required to be complied.	No	No	Allowed (Mandatory)
2	Bid Security : (1) (a) The tenderer shall be required to submit the Bid Security with the tender for the due performance with the stipulation to keep the offer open till such date as specified in the tender, under the conditions of tender. The Bid Security shall be as under: (a) For all works - 2% of the estimated cost of the work Note: (i) The Bid Security shall be rounded off to the nearest 100. This Bid Security shall be applicable for all modes of tendering. (ii) Any firm recognized by Department of Industrial Policy and Promotion (DIPP) as 'Startups' shall be exempted from payment of Bid Security detailed above. (iii) Labour Cooperative Societies shall submit only 50% of above Bid Security detailed above. (b) It shall be understood that the tender documents have been issued to the tenderer and the tenderer is permitted to tender in consideration of stipulation on his part, that after submitting his tender he will not resale from his offer or modify the terms and conditions thereof in a manner not acceptable to the Engineer. Should the tenderer fail to observe or comply with the said stipulation, the aforesaid amount shall be liable to be forfeited to the Railway. (c) If his tender is accepted, this Bid Security mentioned in sub para (a) above will be retained as part security for the due and faithful fulfillment of the contract in terms of Clause 16 of the Standard General Conditions of Contract. The Bid Security of other Tenderers shall, save as herein before provided, be returned to them, but the Railway shall not be responsible for any loss or depreciation that may happen thereto while in their possession, nor be liable to pay interest thereon. (2) The Bid Security shall be deposited either in cash through e-payment gateway or submitted as Bank Guarantee bond from a scheduled commercial bank of India or as mentioned in tender documents. The Bank Guarantee bond shall be as per Annexure VIA and shall be valid for a period of 90days beyond the bid validity period.	No	No	Allowed (Mandatory)
3	List of completed works being submitted for fulfilment of eligibility criteria for similar nature of work must give description of work,, organization for whom executed, approximate value of contract at the time of award, date of award and date of scheduled completion of work, date of actual start, actual date of completion and final vaule of contract at the time of bill finalisation should also be given.	No	No	Allowed (Mandatory)

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4	Documents to be Submitted Along with Tender (i) The tenderer shall clearly specify whether the tender is submitted on his own (Proprietary Firm) or on behalf of a Partnership Firm / Company / Joint Venture (JV) / Registered Society / Registered Trust / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc. The tenderer(s) shall enclose the attested copies of the constitution of their concern, and copy of PAN Card along with their tender. Tender Documents in such cases are to be signed by such persons as may be legally competent to sign them on behalf of the firm, company, association, trust or society, as the case may be. (ii) Following documents shall be submitted by the tenderer:	No	No	Allowed (Mandatory)
5	Following documents shall be submitted by the tenderer in case of Sole Proprietorship Firm: (i) All documents in terms of Para 10 of the Tender Form (Second Sheet of GCC-2022).	No	No	Allowed (Mandatory)
6	Following documents shall be submitted by the tenderer in case of HUF: (i) 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. (ii) All other documents in terms of Para 10 of the Tender Form (Second Sheet of GCC 2022).	No	No	Allowed (Mandatory)
7	Following documents shall be submitted by the tenderer in case of Company registered under Companies Act 2013: (i) The copies of MOA (Memorandum of Association) / AOA (Articles of Association) of the company (ii) A copy of Certificate of Incorporation (iii) 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. (iv) All other documents in terms Para 10 of the Tender Form (Second Sheet of GCC-2022).	No	No	Allowed (Mandatory)
8	The tenderer shall clearly specify that the tender is submitted on behalf of a partnership firm. The following documents shall be submitted by the partnership firm, with the tender: (i) A notarized copy of the Partnership Deed or a copy of the Partnership deed registered with the Registrar. (ii) A notarized or registered copy of Power of Attorney in favour of the individual to tender for the work, sign the agreement etc. and create liability against the firm. (iii) An undertaking by all partners of the partnership firm that they are not blacklisted or debarred by Railways or any other Ministry / Department of the Govt. of India from participation in tenders / contracts as on the date of submission of bids, either in their individual capacity or in any firm/LLP in which they were / are partners/members. Any Concealment / wrong information in regard to above shall make the bid ineligible or the contract shall be determined under Clause 62 of the Standard General Conditions of Contract. (iv) All other documents in terms of Para 10 of the Tender Form (Second Sheet of GCC-2022).	No	No	Allowed (Mandatory)
9	In case of other than company/proprietary firm, Annexure V(A) shall also be submitted by the each member of a partnership firm/Joint Venture (JV)/Hindu Undivided Family (HUF)/Limited Liability Partnership (LLP) etc. as the case may be. Non submission of above certificate(s) by the bidder shall result in summarily rejection of his/their bid. The above-mentioned certificates shall be mandatorily incumbent upon the tenderer to identify, state and submit the supporting documents duly self attested/digitally signed by which they/he qualifying criteria mentioned in the tender document.	No	No	Allowed (Mandatory)

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10	The tenderer whether sole proprietor if they want to act through agent or individual partner(s), should submit along with the tender, a copy of power of attorney duly stamped and authenticated by a Notary Public or by Magistrate in favour of the specific person whether he/they be partner(s) of the firm or any other person specifically authorizing him/them to submit the tender, sign the agreement, receive money, co-ordinate measurements through contractor's authorized engineer, witness measurements, sign measurement books, compromise, settle, relinquish any claim(s) preferred by the firm and sign "No Claim Certificate" and refer all or any disputes to arbitration.	No	No	Allowed (Mandatory)
11	The above power of attorney shall be submitted even if such specific person is authorized for above purposes through partnership deed / Memorandum of Understanding / Article of Association or such other document, failing which tender is liable to be rejected	No	No	Allowed (Optional)
12	The MSDAC equipment offered by bidder shall work on existing 24V DC power supply arrangement made for standby MSDAC. There should not be requirement of additional power supply modules or equipment.	Yes	Yes	Allowed (Optional)
13	The Detection point (DP) of MSDAC equipment offered by bidder shall work on single Pair of 6 Quad cable so that New equipment can be commissioned on existing cable.	Yes	Yes	Allowed (Optional)
14	Bidder shall submit MOU with MSDAC OEM and shall upload the scheme of MSDAC commissioning compatible with existing system as mentioned in item 12 & 13 above. without submitting of MOU and Scheme the offer will be summarily rejected	Yes	Yes	Allowed (Mandatory)

Undertakings

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	I/ We have visited the works site and I / We am / are aware of the site conditions.	No	No	Not Allowed
2	I/we hereby confirm that the rate, rebate and /or other financial terms, if any quoted by us in the relevant field of the financial bid page will only be the ruling terms for deciding the inter-se ranking and any such condition having financial repercussions, if quoted by us anywhere else including attached document shall not be considered for deciding inter-se ranking, However, railway shall have the right to incorporate any such condition quoted by us, in the contract at their discretion, if contract is placed on us.	No	No	Not Allowed
3	I/We have read the various conditions to tender attached hereto and agree to abide by the said conditions. I/We also agree to keep this offer open for acceptance for a period of 60 days (in case of two packet system of tendering 90days) from the date fixed for closing of the tender and in default thereof, I/We will be liable for forfeiture of my/our "Bid Security". I/We offer to do the work for East Central Railway, at the rates quoted in the attached bill(s) of quantities and hereby bind myself/ourselves to complete the work in all respects within the period of months from the date of issue of letter of acceptance of the tender.	No	No	Not Allowed
4	It is hereby/declared that all necessary valid documents have been submitted in compliance of clauses from 10 to 18 {part-II} of IRSGCC=2022(Works matter} and in the absence of which the offer will be considered as incomplete and accordingly shall not be considered by the administration.	No	No	Not Allowed
5	It is declared that participating firm/individual is not in contravention to the stipulations laid down in clause 16." Employment/Partnership etc. of retired railway employee" of IRSGCC-2022 (Work Matter) at present or during currency of work in future, else the contract is liable to be dealt in accordance with provision of clause 62 of IRSGCC-2022.	No	No	Not Allowed
6	I/we have read the various provisions of IRSGCC-2022 (Works matter), specific & other special condition attached/referred to in this tender document and agree to abide by the said provision/conditions.	No	No	Not Allowed

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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 costing not less than the amount equal to 60% of advertised value of the tender.	No	No	Allowed (Mandatory)
2	All bidders are required to go through tender documents , relevant annexures, tender forms etc. attached with tender for detailed tender conditions before submitting their bid online on website.	No	No	Not Allowed

6. Documents attached with tender

S.No.	Document Name	Document Description
1	SpecialConditionsofContract29-06-2026.pdf	Special Conditions of Contract
2	PriceVariationCalculationfor12coreand6quadcable.pdf	Price Var Calculation for cables
3	ANNEXURE-HHST.pdf	Annexure of HHST
4	GCC-2022-CompleteuptoACS6.pdf	GCC 2022
5	ANNEXURE-IIearthing26-06-2026.pdf	ANNEXURE II earthing
6	ACS7to11ofGCC25-06-2026_compressed.pdf	ACS 7 TO 11 OF IRGCC 2022
7	AnnexureMSDAC25-06-2026.pdf	MSDAC Supply InstallationGuidelines
8	ANNEXURE-TOOLKIT25-06-2026.pdf	ANNEXURE TOOL KIT MSDAC
9	SOR-202118.01.20211.pdf	SOR 2021 of SnT SECR
10	typicaloflocationbox.pdf	Typical of location box for SECR
11	ANNEXURE-PHHST-25-06-2026.pdf	ANNEXURE PHHST

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: SANDEEP DHAKED

Designation : Dy.CSTProjectNGP