

**AJMER DIVISION-S AND T/NORTH WESTERN RLY
TENDER DOCUMENT**

Tender No: SNT-AII-21-2026-27

Closing Date/Time: 09/07/2026 15:30

Sr DSTE/AII acting for and on behalf of The President of India invites E-Tenders against Tender No **SNT-AII-21-2026-27** Closing Date/Time 09/07/2026 15:30 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	Ajmer Division: Provision of Dual VDU by replacing operating panel at 07 Nos. EI stations in (NANA-IQG) section under the jurisdiction of ADSTE/ABR in Ajmer division."		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	09/07/2026 15:30	Date Time Of Uploading Tender	12/06/2026 17:07
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	65391849.03	Tendering Section	SIG WORKS
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money (Rs.)	1307800.00	Validity of Offer (Days)	60
Tender Doc. Cost (Rs.)	0.00	Period of Completion	180 Days
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 () A-SOR ITEMS							10724282.02	
1	01011200	2.00	Numbers	493241.48	986482.96	AT Par	986482.96	
	Description:- Supply of embedded fanless PC based VDU control terminal as per RDSO spec. No. RDSO/SPN/192/2019 Ver. 2 or latest & RDSO TAN No. - STS/E/TAN/3007 version 1 dated:02.11.12. The size of VDU shall be minimum 42 inch. Note: (i) Technical requirements shall be mentioned in the tender document. (ii) One revolving chair should be supplied with control terminal. Inspection: Consignee Inspection charges: None Payment terms:100% after supply							
2	01011300	2.00	Numbers	123310.37	246620.74	AT Par	246620.74	
	Description:- Installation, wiring, testing and commissioning of embedded fanless PC based VDU control terminal as per RDSO spec. No. RDSO/SPN/192/2019 Ver. 2 or latest & RDSO TAN No. - STS/E/TAN/3007 version 1 dated:02.11.12. Note: (i) Technical requirements shall be mentioned in the tender document by tendering authority. Inspection: Consignee Inspection charges: None Payment terms:100% after commissioning.							
3	01011400	2.00	Numbers	464279.54	928559.08	AT Par	928559.08	
	Description:- Supply of embedded fanless PC based Maintenance terminal as per RDSO spec. No. RDSO/SPN/192/2019 Ver. 2 or latest & RDSO TAN No. - STS/E/TAN/3007 version 1 dated:02.11.12. The size of VDU shall be minimum 42 inch. Note: (i) Technical requirements shall be mentioned in the tender document by tendering authority. (ii) One table of suitable size along with revolving chair should be supplied with Maintenance terminal. Inspection: Consignee Inspection charges: None Payment terms:100% after supply							
4	01011500	2.00	Numbers	116069.88	232139.76	AT Par	232139.76	
	Description:- Installation, wiring, testing and commissioning of embedded fanless PC based Maintenance terminal as per RDSO spec. No. RDSO/SPN/192/2019 Ver. 2 or latest & RDSO TAN No. - STS/E/TAN/3007 version 1 dated:02.11.12. Note: (i) Technical requirements shall be mentioned in the tender document. Inspection: Consignee Inspection charges: None Payment terms:100% after commissioning.							
	01010800	7.00	Set	151338.52	1059369.64	AT Par	1059369.64	

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5	Description:- Supply of Instruments and Tool Kits required for Trouble Shooting and repair of hardware and software for EI system should be supplied for stations. (This includes tools required for EI maintenance sorts of crimping, insertion, removal, general purpose tools like screw drivers, spanners, PCB extractor, temp. controlled soldering iron, wire cutter, nose pliers etc. & measuring instruments with carrying case/ holders/ cabinet for technicians/ J.E. for testing, Maintenance and repair at site). Each set comprises of the following :- * Crimping tool for all types of special cable assembly used in EI system. * Insertion tool for all types of special cable assembly used in EI system. * Removal tool for all types of special cable assembly used in EI system. * Digital multi-meter (Fluke 111 or better) * Steel cabinet/ Almira, Size: 1980mm height, 915 mm width and 485 mm depth (Godrej Make/Jalaram) of good quality to store tool, spare cards and documents. * Steel Book rack Size: 1850mm height, 900 mm width and 316 mm depth for keeping documents. (Godrej Make/Jalaram) * Clamp Earth Tester. (as per specs mentioned in tender document.) * Clamp Current Meter (fluke 362 or superior) * Ferrule tagging printer for cable/wires (Supported label tape sizes: 6 / 9 / 12 / 18 / 24 mm). Inspection: Consignee Inspection charges: None Payment terms: 100% after supply						
6	01011800	7.00	Station	4330.94	30316.58	AT Par	30316.58
	Description:- Preparation of SWR literature in English along with associated mid-section interlocked gate with all corrections as per approved SWRD & approved SIP. For these all-technical corrections, editing, grammatical correction etc. are to be carried out and one rough print to be given to railways for approval before printing, as required for final processing of CRS sanction. This also includes preparation of maintenance cards in format provided by Rly. Inspection: Consignee Inspection charges: None Payment terms:100% after execution.						
7	01011900	7.00	Station	5389.49	37726.43	AT Par	37726.43
	Description:- Translation of Station Working Rules from English to Hindi and framing out in DIGLOT form (or similar software) as per extant Rly practice. The required SWR in English will be provided by the contractor and has been covered separately in item no. 01011800 of Chapter 1 of SOR. Inspection: Consignee Inspection charges: None Payment terms:100% after execution.						
8	01012000	14.00	Set	214.85	3007.90	AT Par	3007.90
	Description:- Making photocopies & binding of the SWR literature in English/Hindi/Diglot form as per Railway practice. Inspection: Consignee Inspection charges: None Payment terms:100% after execution.						
9	01012500	800.00	Sheet	193.85	155080.00	AT Par	155080.00
	Description:- Preparation and supply of laminated one set of all the completion plans including circuit diagrams and indoor as well as outdoor completion documents on standard 75-micron polyester film for station in Auto CAD. 6 (Six) sets xerox copies will also be provided for each of the documents mentioned below: Cable Route Plan, Cable Core Chart, Location details plan for all the locations, Cable termination details, Signalling Plan, SWR Diagram, Wiring Diagrams, Selection table, Locking table, Contact analysis, Fuse and Tag Block analysis of Relay Rack, CT rack, Control cum Indication Panel/VDU Diagram, Power Panel Diagram, Track circuit plan, rack erection plan and Junction Box details etc. Inspection: Consignee Inspection charges: None Payment terms:100% after execution.						
10	01012700	200.00	Per Relay	630.75	126150.00	AT Par	126150.00
	Description:- Addition/alteration in existing relay room wiring. It includes supply of PVC insulated indoor Railway signalling cable @ 40<45@Core/40-Core) of (1/0.6) sqmm as per RDSO Spee. No. IRS/S-76/89 (Amnd.2 or latest) for wiring between relay room and SM's/Panel room & Relay room to DP in SM office for block working. This also includes supply of PVC insulated jumper wires of multi strand 16/2 mm, tinned in all colours as per RDSO Specn.No.IRS-S-76/89(Amnd.2 or latest). This item will include bringing all the power supplies from power room to respective bus bars on relay racks by using 10/6 sqmm copper flexible wire as per instructions of engineer incharge. This will include wiring between control panel and relay room if required. All wiring will be done as per standard practice of North Western Railway with neat dressing & threading. The item includes supply & wiring of tag block, fuse with bases (G-Type and ND Type) and all other related material required for complete indoor wiring in relay room. Inspection: Consignee Inspection charges: None Payment terms:100% after execution.						
11	01013001	14.00	Set	218289.60	3056054.40	AT Par	3056054.40
	Description:- Supply & Installation of Modular power supply arrangement for VDU and industrial PC (Embedded PC) with input and output redundancy arrangement and Hot pluggable Modules as per RDSO specification. Make Gallant or similar. One set consists of 1. Input O- ring diode module with potential free -1 No contacts (PFC) for two 110 V DC sources from IPS and single 110 VDC bus Qty 1 No. 2. Isolated Inverters (Master / slave) - Input-110 V DC Output: 120 V AC/220V A500VA - 02 Nos. 3. Isolated DC-DC convertors- Input: 110 v DC Output: 24 V DC/ 10A, Qty -10Nos. 4. 3 U SS rack with back panel mother board /front panel power connectors inverter auto change over switch and all required over switch and all required protection circuits (3U height for main rack 132.5mm +/-10% & 1U height for mounting 44.5mm +/- 10%) Qty - 1 No. Make Gallant or similar. (This item is for Operating VDUs of EI system) Inspecting Agency : (i)for inverters and converters : RDSO (ii) for other items : Consignee Inspection Charges: (i) Borne by Railways (ii) None For Supply of Modular power supply arrangement. Payment Terms: 100% after Supply						
	01013002	14.00	Set	54572.40	764013.60	AT Par	764013.60

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12	Description:- Supply & Installation of Modular power supply arrangement for VDU and industrial PC (Embedded PC) with input and output redundancy arrangement and Hot pluggable Modules as per RDSO specification. Make Gallant or similar. One set consists of 1. Input O- ring diode module with potential free -1 No contacts (PFC) for two 110 V DC sources from IPS and single 110 VDC bus Qty 1 No. 2. Isolated Inverters (Master / slave) - Input-110 V DC Output: 120 V AC/220V A500VA - 02 Nos. 3. Isolated DC-DC convertors- Input: 110 v DC Output: 24 V DC/ 10A, Qty -10Nos. 4. 3 U SS rack with back panel mother board /front panel power connectors inverter auto change over switch and all required over switch and all required protection circuits (3U height for main rack 132.5mm +/-10% & 1U height for mounting 44.5mm +/- 10%) Qty - 1 No. Make Gallant or similar. (This item is for Operating VDUs of EI system) Inspecting Agency : (i)for inverters and converters : RDSO (ii) for other items : Consignee Inspection Charges: (i) Borne by Railways (ii) None For Installation of Modular power supply arrangement. Payment Terms: 100% after Commissioning						
13	03010400	50.00	Numbers	4746.07	237303.50	AT Par	237303.50
	Description:- Q-Series Neutral Line Relay (QN1 Type), 12F/4B, 24V DC complete with plug board (base plate), connectors and retaining clips etc and conforming to BRS- 930 and RDSO Specn.No.IRS:S-34 & S-23 or latest. The interlocking code for this unit shall be "ABCDE". Inspection: - RDSO Inspection charges: - Borne by Railways Payment Terms: - 100% after supply.						
14	03010500	50.00	Numbers	4560.51	228025.50	AT Par	228025.50
	Description:- Q-Series Neutral Line Relay (QN1 Type), 8F/8B, 24V DC complete with plug board (base plate), connectors and retaining clips etc and conforming to BRS- 930 and RDSO Specn.No.IRS:S-34 & S-23 or latest. The interlocking code for this unit shall be "ABCF". Inspection: - RDSO Inspection charges: - Borne by Railways Payment Terms: - 100% after supply.						
15	03010600	30.00	Numbers	5999.85	179995.50	AT Par	179995.50
	Description:- Q-Series Twin Neutral Line Relay (QNN1 Type), 6F/2B, 24V DC complete with plug board (base plate), connectors and retaining clips etc and conforming to BRS-960 and RDSO Specn.No.IRS:S-34 & S-23 or latest. The interlocking code for this unit shall be "ACDEK". Inspection: - RDSO Inspection charges: - Borne by Railways Payment Terms: - 100% after supply.						
16	03010700	30.00	Numbers	4739.38	142181.40	AT Par	142181.40
	Description:- Q-Series Twin Neutral Line Relay (QNN1 Type), 4F/4B, 24V DC complete with plug board (base plate), connectors and retaining clips etc and conforming to BRS-960 and RDSO Specn.No.IRS:S-34 & S-23 or latest. The interlocking code for this unit shall be "ACEHJ". Inspection: - RDSO Inspection charges: - Borne by Railways Payment Terms: - 100% after supply.						
17	03010800	20.00	Numbers	6861.70	137234.00	AT Par	137234.00
	Description:- Q-Series Magnetically Latched Neutral Line Relay (QL1 Type), 11F/4B,24V DC complete with plug board (base plate), connectors and retaining clips and conforming to BRS-935A and RDSO Specn.No.IRS:S-34 & S-23 or latest. The interlocking code for this unit shall be "ABDEG". Inspection: - RDSO Inspection charges: - Borne by Railways Payment Terms: - 100% after supply.						
18	03011600	30.00	Numbers	4710.10	141303.00	AT Par	141303.00
	Description:- Q-Series Line Relay (QNA1 Type), AC immunized, 8F/8B, 24V DC along with plug board (base plate), connectors, retaining clips etc and conforming to BRS-931A and RDSO Specn.No.IRS:S@ 45"44@ S-23 and S-60 or latest. The interlocking code for this unit shall be "ABDGH". Inspection: - RDSO Inspection charges: - Borne by Railways Payment Terms: - 100% after supply.						
19	03011700	30.00	Numbers	4579.92	137397.60	AT Par	137397.60
	Description:- Q-Series Line Relay (QNA1 Type), AC immunized, 12F/4B, 24V DC along with plug board (base plate), connectors, retaining clips etc and conforming to BRS-931A and RDSO Specn.No.IRS:S@ 45"44@ S-23 and S-60 or latest. The interlocking code for this unit shall be "ABDFH". Inspection: - RDSO Inspection charges: - Borne by Railways Payment Terms: - 100% after supply.						
20	03011300	240.00	Numbers	469.81	112754.40	AT Par	112754.40
	Description:- Fixing of Q series relay base plate/metal to metal relay mini group and major group base plate, laying, bunching, lacing, dressing & packeting of 60/40 core PVC indoor cable/flexible wire and termination of 60/40 core cable/flexible wire on tag block/base plate & base plates & soldering. This includes fuse wiring, bus bar looping etc. required for keeping installation ready for circuit wiring work & panel troughing work. The work shall be done as per approved plan, extant practice on NWR & the instruction of Rly. Engineer at site. Inspection: - Consignee Inspection charges: - None Payment Terms: - 100% after execution						
21	03011200	28.00	Kg	210.93	5906.04	AT Par	5906.04
	Description:- Sealing wire used for sealing of signalling relays & equipments. Inspection: - RDSO Inspection charges: - Borne by Railways Payment Terms: - 100% after supply.						
	04010100	5.00	Kilometre	6996.26	34981.30	AT Par	34981.30

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22	Description:- Supply of PVC insulated multi strand, single core copper conductor of size 16/0.2 mm (0.5sqmm) as per IS 694:2010 and RDSO Specn.No.IRS:S-76/89 (Amnd-3) or latest. Each coil should be of 100/200/500 meters length. Colour of the wire which is required will be specified by the Engineer incharge. Inspection: (i) RDSO/RITES if value of item in work more than 10 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 10 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply						
23	04010800	4.00	Kilometre	2904.31	11617.24	AT Par	11617.24
	Description:- Supply of indoor PVC jumper wire (1x 0.6 mm) of all colours as per RDSO Specn.No.IRS:S-76/89 (Amnd.3) or latest. Note: wires colours will be specified/decided by site Engineer incharge. Inspection: (i) RDSO/RITES if value of item in work more than 10 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 10 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply						
24	04012500	3.00	Kilometre	191525.62	574576.86	AT Par	574576.86
	Description:- Supply of PVC insulated Railway Signalling multi-core Indoor Cable 24 core (1 mm Dia) conforming to IRS:76/89(Amd3) or latest. Inspection: (i) RDSO/RITES if value of item in work more than 10 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 10 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply						
25	05013800	10.00	Kg	106.98	1069.80	AT Par	1069.80
	Description:- Supply of Insulation Rubber Mat for electrical purpose 2.5mm thick size 2m*1m suitable for 3.3KV to 11KV (Class B) conforming to IS I5652-2006 Inspection: Consignee Inspection Charges: None Payment Terms: 100% after Supply.						
26	13010300	15.00	Lot	21098.23	316473.45	AT Par	316473.45
	Description:- Supply of basic material to construct unit maintenance free earth as per RDSO Specs. No. RDSO/SPN/197 Version 1.0 dtd. 04.07.2016 or latest and conforming to RDSO Drg. No. SDO/RDSO/E&B/001. It consist of following: (a) Copper bonded steel electrode of 3.0 m long, 17 mm Dia with copper bonding thickness of minimum macrons and UL listed and marked = 1 no. (b) Earth enhancement material supplied in sealed bags of minimum 10 kg = 3 nos. (c) Copper strip of 150x25x6 mm, to terminate earth rod = 1 no. (d) Copper strip of 300x25x6 mm (MEEB) = 1 no. (e) Copper strip of 150x25x6mm (SEEB) = 1 no. (ii) Supply of 35 sq. mm multi strand single core PVC insulated copper cable as per IS: 694 for connecting main earth electrode to MEEB in the equipment room in duplicate.(minimum 10 meter) (iii) Supply of 16 sq. mm multi strand single core PVC insulated copper cable as per IS: 694 for connecting MEEB to SEEB and SPD to MEEB (minimum 10 meter) (iv) Supply of 10 sq. mm multi strand single core PVC insulated copper cable as per IS: 694 for connecting various equipments to SEEB (v) Supply of copper lug sleeve for 3/16 cable Inspection: RDSO Inspection Charges: Borne by Railways Payment Terms: 100% after Supply						
27	13010400	15.00	Set	9461.53	141922.95	AT Par	141922.95
	Description:- Installation of Unit Maintenance Free Earth as supplied under item no. 13010300 above It includes: (i) Digging the earth to the required depth. (ii) Insertion of electrode. (iii) Filling of earth enhancing compound (Approx.30 Kg) (iv) Provision of exothermic weld connections to copper tape of 25 mm x 6 mm x 150 mm to the earth electrodes. All material tools and features required for weld will be arranged by contractor. (v) This also includes CC cover 1.5 ft x 1.5 ft. 1 ft wall thickness 2 inch with cover 3-inch thickness. Cables 35 Sq mm/ 16 Sq mm/10 sq mm for connecting earth to busbar, busbar to busbar and busbars to various equipments. Earth electrode of 17.20 mm Dia and 3.00 meter long high tensile low carbon steel circular rods molecularly bonded with copper and outer surface (minimum copper bonding thickness of 250 microns to made requirement of under writer's laboratories (UL) 467-2007 or latest. Copper strips of 150 mm x 25 mm x 6 mm to be welded with each earth electrode, copper strips of 300 mm x 25 mm x 6 mm for main equip- potential busbar, copper strips of 150 mm x 25 mm x 6 mm sub equip-potential busbar in relay room, power room and panel room. GI strip 25 mm x 2 mm for ring formation of earth pits Earth enhancement material in bags for each Earth Electrode. Inspection chamber of site 300 mm x 300 mm x 300 mm (Inside dimension) of approximate 50 mm thick with pulling hooks to cover the earth pits. Note: The installation of this item shall be carried out by the contractor as per RDSO/SPN/197 Version 1.0 dtd. 04.07.2016 or latest and conforming to RDSO Drg. No. S DO/RDSO/E&B/001 or latest. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after execution and testing.						
28	13011100	7.00	Numbers	16784.35	117490.45	AT Par	117490.45
	Description:- Supply of Professional AC/DC clamp meter 3 ¾ digit, true RMS measurement, For Measurement of DC/AC currents up to 60A, AC/DC Voltage up to 600V, resistance up to 40 M, Current resolution 0.1mA for low current measurements, frequency up to 60 KHz and non-contact voltage measurement function with set of leads & carrying case. Model - SCM222 or equivalent/ higher make. Motwane/Stanlay/Fluke/Megger Inspection: Consignee Inspection Charges: None Payment Terms: 100% after Supply.						
	13011200	4.00	Numbers	102122.34	408489.36	AT Par	408489.36

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29	Description:- Supply of Handheld Digital Earth Clamp Tester for clamp on earth/ground resistance measurement up to 1000 ohms. Accuracy 0.1 - 0.99 : 1%, 1 - 49 : 1.5% Also measure current leakage up to 20A. No spines required for measurement Model - DECT-2 or CET500 or equivalent / higher version make Motwane/Stanlay/Fluke/Megger. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after Supply.							
30	13011900	10.00	Set	6331.74	63317.40	AT Par	63317.40	
	Description:- Standard Tool kit for signal maintenance (suitable for RE area working) with following items (with small size canvas log) (i) Insulated combination plier of 8" = 1no. (ii) Insulated long nose plier of (road wise) 6" =1 no. (iii) Insulated wise stroper plier of 6"=1 no (iv) Insulated screw driver set(5 piece) =1 set (v) Side cutting plier 6" =1 no (vi) Hex with frawise 12"= 1 no (vii) Double end spanner set (6 to 32mm) = 1 set (viii) Adjustable spanner set 8" =1 no (ix) Ball pin hammer 200 gm =1 no (x)Soldering iron 25 watt =1 no (xi)Torch cell LED (3 cell) Eveready/jeep = 1no (xii) Auto ranging digital multi-meter (Branded) =1 no (xiii) Crow bar steel/ tommy bar =1 no Inspection: Consignee Inspection charges: None Payment terms: 100% after supply							
31	13010800	230.00	Metre	376.44	86581.20	AT Par	86581.20	
	Description:- Supply & installation of copper tape 25x3mm for perimeter bonding in S&T rooms as per RDSO Drg. No. SDO/RDSO/E&B/001 or latest. Inspection: Consignee Inspection charges: Borne by Railways Payment terms: 70% after supply, 20% after installation & 10% after commissioning							
32	05014700	7.00	Numbers	2877.14	20139.98	AT Par	20139.98	
	Description:- Supply of maintenance stand for relay room / battery room as per samples /drawings approved by the site engineer incharge. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after supply.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () B-NS ITEMS							54667567.01	
1	B	6.00	Numbers	210040.00	1260240.00	AT Par	1260240.00	
	Description:- Supply Of Microlok II Interlocking Materials Required For Alteration Of Existing EI i.e. MLKII Vital Input PCB 24VDC at KVJ,PDWA & BNS Stations. Inspection:- RDSO for cards . Execution and other ancillary material - Consignee. Payment Terms:100% after commissioning.							
2	B	6.00	Numbers	198240.00	1189440.00	AT Par	1189440.00	
	Description:- Supply Of Microlok II Interlocking Materials Required For Alteration Of Existing EI i.e. MLKII Vital Output PCB 24VDC at KVJ,PDWA & BNS Stations. Inspection:- RDSO for cards . Execution and other ancillary material - Consignee. Payment Terms:100% after commissioning..							
3	B	12.00	Numbers	14160.00	169920.00	AT Par	169920.00	
	Description:- Supply Of Microlok II Interlocking Materials Required For Alteration Of Existing EI i.e. Address Select PCB - 48 Pin at KVJ,PDWA & BNS Stations. Inspection:- RDSO for cards . Execution and other ancillary material - Consignee. Payment Terms:100% after commissioning.							
4	B	12.00	Numbers	2006.00	24072.00	AT Par	24072.00	
	Description:- Supply Of Microlok II Interlocking Materials Required For Alteration Of Existing EI i.e. 48-Pin connector housing assembly at KVJ,PDWA & BNS Stations. Inspection:- RDSO for cards . Execution and other ancillary material - Consignee. Payment Terms:100% after commissioning.							
5	B	12.00	Numbers	1062.00	12744.00	AT Par	12744.00	
	Description:- Supply Of Microlok II Interlocking Materials Required For Alteration Of Existing EI i.e. 48-Pin connector guide element at KVJ,PDWA & BNS Stations. Inspection:- RDSO for cards . Execution and other ancillary material - Consignee. Payment Terms:100% after commissioning.							
6	B	12.00	Numbers	1121.00	13452.00	AT Par	13452.00	
	Description:- Supply Of Microlok II Interlocking Materials Required For Alteration Of Existing EI i.e. 48-Pin female connector at KVJ,PDWA & BNS Stations.Inspection:- RDSO for cards . Execution and other ancillary material - Consignee. Payment Terms:100% after commissioning.							
7	B	300.00	Numbers	64.90	19470.00	AT Par	19470.00	
	Description:- Supply Of Microlok II Interlocking Materials Required For Alteration Of Existing EI i.e. 48-Pin female crimp contact at KVJ,PDWA & BNS Stations. Inspection:- RDSO for cards . Execution and other ancillary material - Consignee. Payment Terms:100% after commissioning.							
8	B	18.00	Numbers	25960.00	467280.00	AT Par	467280.00	
	Description:- Supply Of 110V DC Lightning Arrestor/230V AC Lightning Arrestor at KVJ,PDWA & BNS Stations. Inspection:- RDSO for cards . Execution and other ancillary material - Consignee. Payment Terms:100% after commissioning.							
9	B	3.00	Lot	1272040.00	3816120.00	AT Par	3816120.00	
	Description:- Supply Of Communication Materials for New System Configuration at KVJ,PDWA & BNS Stations.Inspection:- RDSO for cards . Execution and other ancillary material - Consignee. Payment Terms:100% after commissioning.							
	B	3.00	Lot	389400.00	1168200.00	AT Par	1168200.00	

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10	Description:- Supply Of Interconnecting cables, wires, fuses, terminals and Pre-Wiring at KVJ,PDWA & BNS Stations. Inspection:- RDSO for cards . Execution and other ancillary material - Consignee. Payment Terms:100% after commissioning.						
11	B	3.00	Numbers	1012440.0 0	3037320.00	AT Par	3037320.00
12	Description:- Supply Of PC for Maintenance Console (Industrial Grade Fanless) Embedded PC with Monitor at KVJ,PDWA & BNS Stations. Inspection:- RDSO for cards . Execution and other ancillary material - Consignee. Payment Terms:100% after commissioning.						
13	B	6.00	Numbers	1103300.0 0	6619800.00	AT Par	6619800.00
14	Description:- Supply Of PC for Operator Console (Industrial Grade Fanless) Embedded PC with Monitor at KVJ,PDWA & BNS Stations. Inspection:- RDSO for cards . Execution and other ancillary material - Consignee. Payment Terms:100% after commissioning.						
15	B	45.00	Numbers	46728.00	2102760.00	AT Par	2102760.00
16	Description:- Supply Of DC/DC Converter for MLKII Cardfile / Vital I/O Supply / Non-Vital I/O Supply / Isolator Supply at KVJ,PDWA & BNS Stations. Inspection:- RDSO for cards . Execution and other ancillary material - Consignee. Payment Terms:100% after commissioning.						
17	B	6.00	Numbers	194700.00	1168200.00	AT Par	1168200.00
18	Description:- Supply Of Inverter for Monitors at KVJ,PDWA & BNS Stations. Inspection:- RDSO for cards . Execution and other ancillary material - Consignee. Payment Terms:100% after commissioning.						
19	B	3.00	Numbers	1362900.0 0	4088700.00	AT Par	4088700.00
20	Description:- Supply Of Re design of EI Systems with related application logic & interface Circuit at KVJ,PDWA & BNS Stations. Inspection:- RDSO for cards . Execution and other ancillary material - Consignee. Payment Terms:100% after commissioning.						
21	B	3.00	Numbers	1362900.0 0	4088700.00	AT Par	4088700.00
22	Description:- Supply Of Factory Acceptance Test (FAT) & Testing & Commissioning support at KVJ,PDWA & BNS Stations. Inspection:- RDSO for cards . Execution and other ancillary material - Consignee. Payment Terms:100% after commissioning..						
23	B	3.00	Station	1233100.0 0	3699300.00	AT Par	3699300.00
24	Description:- Installation of Modified Program aforesaid station & removal of few wires, connectors, terminals & installation of few wires, connectors & terminals on account of aforesaid / proposed changes as per approved Signalling Plan at KVJ,PDWA & BNS Stations. Inspection:- RDSO for cards . Execution and other ancillary material - Consignee. Payment Terms:100% after commissioning.						
25	B	3.00	Set	285560.00	856680.00	AT Par	856680.00
26	Description:- Supply of Document (It shall be supplied in CD with one set of Application Logic Circuit & Interface Circuit in A3 size only) at KVJ,PDWA & BNS Stations. Inspection:- RDSO for cards . Execution and other ancillary material - Consignee. Payment Terms:100% after commissioning.						
27	B	1.00	Station	1653975.0 0	1653975.00	AT Par	1653975.00
28	Description:- Alterations to existing Interface circuits & Application Logic circuits of Medha make EI at Swarupganj (SRPJ) as per the approved circuit diagram. The scope of work includes (i) Redesign of EI Systems with related application logic & interface circuit. (ii) FAT & SAT and commissioning of the station as per modified Logic circuits. (iii) Installation of Modified Program & proposed changes as per approved Signaling Plan. (iv) Supply of Document (It shall be supplied in CD with one set of Application Logic Circuit & Interface Circuit in A3 size only). (v) This includes all material like Various cards, communication Material, lightening arrestors, connectors, terminals, mounting arrangements, DC- DC converters, fixtures and accessories etc. required for commission of DUALVDU arrangement. The entire EI system shall be checked for any deficiencies. Necessary peripherals required for loading the logic shall be arranged by the contractor. This wiring of new relays & alteration to existing relays in EI relay rack also included in this scope of work. Wiring of additional inputs of relays from relay rack to EI system shall be done as per the approved Logic Circuits. wiring of additional digital/analogue inputs to existing data logger and validation/upgradation of Data logger database, shall also be done by the contractor. It includes the submission of TSAA & Supply of Alteration "As made "documents. Inspection:- RDSO for cards . Execution and other ancillary material - Consignee. Payment Terms:100% after commissioning.						
29	B	3.00	Station	650000.00	1950000.00	AT Par	1950000.00
30	Description:- Modification in design of WESTRACE VLM6 EI system & software design to suit Dual VDU logic at NANA,BMN & IQG stations.						
31	B	3.00	Station	500000.00	1500000.00	AT Par	1500000.00
32	Description:- Alteration in wiring, installation, testing and Commissioning at NANA,BMN & IQG stations.						

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22	B	3.00	Station	400000.00	1200000.00	AT Par	1200000.00	
Description:- Activity of FAT at NANA,BMN & IQG stations.								
23	B	3.00	Station	300000.00	900000.00	AT Par	900000.00	
Description:- Activity of SAT at NANA,BMN & IQG stations.								
24	B	3.00	Station	90000.00	270000.00	AT Par	270000.00	
Description:- Supply of Asmade documents for the modified portion(One set paper copy) at NANA,BMN & IQG stations.								
25	B	6.00	Numbers	227900.00	1367400.00	AT Par	1367400.00	
Description:- Supply of materials for Enabling Dual VDU Operation in place of existing Panel + VDU Operation i.e. Vital Parallel Input Module 50V (12 inputs) at NANA,BMN & IQG stations.								
26	B	6.00	Numbers	229100.00	1374600.00	AT Par	1374600.00	
Description:- Supply of materials for Enabling Dual VDU Operation in place of existing Panel + VDU Operation i.e.Vital Relay Output Module 50V (8 outputs) at NANA,BMN & IQG stations.								
27	B	9.00	Numbers	750000.00	6750000.00	AT Par	6750000.00	
Description:- Supply of materials for Enabling Dual VDU Operation in place of existing Panel + VDU Operation i.e.Supply of Control Terminal with Dual Industrial Grade PC and 55" Monitor at NANA,BMN & IQG stations.								
28	B	6.00	Numbers	42400.00	254400.00	AT Par	254400.00	
Description:- Supply of materials for Enabling Dual VDU Operation in place of existing Panel + VDU Operation i.e.Supply of DC-DC Converters at NANA,BMN & IQG stations.								
29	B	12.00	Numbers	13200.00	158400.00	AT Par	158400.00	
Description:- Supply of materials for Enabling Dual VDU Operation in place of existing Panel + VDU Operation i.e.Supply of Surge Arrestors at NANA,BMN & IQG stations.								
30	B	3.00	Numbers	31900.00	95700.00	AT Par	95700.00	
Description:- Supply of materials for Enabling Dual VDU Operation in place of existing Panel + VDU Operation i.e.External SM key box at NANA,BMN & IQG stations.								
31	B	3.00	Numbers	70000.00	210000.00	AT Par	210000.00	
Description:- Supply of materials for Enabling Dual VDU Operation in place of existing Panel + VDU Operation i.e. Supply of Wiring materials at NANA,BMN & IQG stations.								
32	B	12.00	Numbers	250000.00	3000000.00	AT Par	3000000.00	
Description:- Supply of materials for Enabling Dual VDU Operation in place of existing Panel + VDU Operation i.e. Communication Equipment-Network Switch at NANA,BMN & IQG stations.								
33	B	7.00	Set	7405.43	51838.01	AT Par	51838.01	
Description:- Releasing of existing SM's control panel including base plank and other gadgets connected very carefully without causing any damaged to the panel, accounting and stacking them neatly at a place as instructed by railway representative at site. The resultant pit in the flooring shall be removed of all cable bits, leveled and cement plastered.Inspection-consignee.								
34	B	26.00	Numbers	4956.00	128856.00	AT Par	128856.00	
Description:- Supply of Relay AC Immune Plug in type style QNNA1 DC Twin DC Neutral line 24-volt 6F/2B for LH and RH front and back contact metal to carbon complete with plug board retaining clip and connector confirming to BRS 960, IRS:S@58"44@ S:60 and IRS S-23. The interlocking code for this unit shall be CDEHX.Inspection: - RDSO								

3. ITEM BREAKUP

No item break up added

4. ELIGIBILITY CONDITIONS

Special Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	The tenderer must have minimum average annual contractual turnover of V/N or 'V' whichever is less ; where V= Advertised value of the tender in crores of Rupees N= Number of years prescribed for completion of work for which bids have been invited. The average annual contractual turnover shall be calculated as an average of "total contractual payments" in the previous three financial years, as per the audited balance sheet. However, in case 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. As per Clause No. 10.2 of Tender Form (second Sheet) of Annex.I of Part-I of GCC2022,updated as per RB Letter No.2022/CEI/CT/GCC2022/Policy Dated-14.07.22 with up to date correction slip.	No	No	Allowed (Mandatory)
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Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	a) The tenderer must have successfully completed or substantially completed anyone of the following categories of work(s) during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: (i) Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or (ii) Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or (iii) One similar work each costing not less than the amount equal to 60% of advertised value of the tender. (b) (1) In case of tenders for composite works (e.g. works involving more than one distinct component, such as Civil Engineering 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 anyone 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 for b(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 clause 7 of the Standard General Conditions of Contractor through subcontractor fulfilling the requirements as per clause 7 of the Standard General Conditions of Contract or jointly i.e., partly himself and remaining through subcontractor, with prior approval of Chief Signal & Telecom 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 fulfillment 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 sub-letted, in last 5 years, ending last day of month previous to the one in which tender is invited through a works contract.	No	No	Allowed (Mandatory)

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1.1	Note: for subletting of work costing up to Rs 50 lakh, 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 clause 7 of the Standard General Conditions of Contract, with prior approval of Chief Signal & Telecom Engineer in writing. Note for Item 15.1: Work experience certificate from private individual shall not be considered. However, in addition to work experience certificates issued by any Govt. Organization, 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.	No	No	Not Allowed
1.2	Meaning of similar works:" The similar nature of work defined is "Any RRI/PI/EI/MACLS Supply, Installation Testing, Commissioning Signalling work OR Any RRI/PI/EI/MACLS Alterations Signalling work OR Any CTC/TMS Work" Note: - If the work involves provision of EI then it is mandatory to fill Appendix AF	No	No	Not Allowed

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

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)

Technical-Compliances

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	(a) Submission of undertaking by the tenderer that "Authorization of OEM's of EI system (RDSO Spec No. RDSO/SPN/192/2019 Ver. 2 with latest amendment) Alterations to existing Interface circuits, Application Logic circuits, Redesign of EI Systems with related application logic & interface circuit, provision of material specific to OEM, Alteration to Software, Wiring, Testing & Commissioning of Dual VDU in existing Electronic Interlocking including after sales support required during the warranty period at NANA, KVJ, PDWA, BNS, SRPJ, BMN & IQG station in NANA-IQG section will be done by OEM/RDSO approved source". Non submission of above undertaking by the bidder shall result in summarily rejection of their bid. (Mandatory)	No	No	Allowed (Mandatory)
1.1	(b). MOU with RDSO approved source/OEM (Mandatory) i.e. M/S Hitachi Rail STS India Private Limited, M/S Medha Servo Drives Private Limited and Westrace make (Siemens Rail Automation Pvt Ltd.) EI system related to provision of dual VDU at stations covering following aspects should be submitted by tenderer within 45 days from the issue of LOA: i. Offer technical support for Alterations to existing Interface circuits, Application Logic circuits, Redesign of EI Systems with related application logic & interface circuit, provision of material specific to OEM, Alteration to Software, Wiring, Testing & Commissioning of Dual VDU in existing Electronic Interlocking. ii. Undertaking activities like FAT etc. iii. Undertake verification and certification of pre-commissioning checklist as per RDSO guidelines. iv. Sign on the Application for Technical System approval by RDSO where ever applicable to ensure that the installation is as per the RDSO stipulations. In case the tenderer fails to submit the MOU within 45 days from issue of LOA, tender will be terminated. Note: The successful tenderer shall submit OEMs authorization before the supply of materials to confirm compliance with extent RDSO guidelines and to meet contract specific requirements.	No	No	Allowed (Mandatory)

Custom

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Certificate to be submitted by tenderer as per Annexure-II and Annexure-II(A) attached in tender Document.	Yes	Yes	Allowed (Mandatory)
2	Declaration regarding constitution of firm & Bank Details as per Annexure-I attached in tender Document.	Yes	Yes	Allowed (Mandatory)
3	Mandatory undertaking Regarding Employment/ Partnership of Retired Railway Employees as per Annexure - XXIII attached in Tender Document(If applicable).	Yes	Yes	Allowed (Optional)

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4	Relevant Annexure is to be submitted in connection with status of their firms. i. e. Either for Sole Proprietorship/Partnership/Company registered under companies Act 2013/LLP (Limited Liability Partnership)) Registered under LLP Act 2008/Registered Society and Registered Trust/HUF (Hindu undivided Family) Firm's. Prescribed Format (Relevant Annexure) as per Firm's status is attached in tender document as per clause 16.2	Yes	Yes	Allowed (Mandatory)
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6. Documents attached with tender

S.No.	Document Name	Document Description
1	SNT-AII-21-2026-27DUALVDUNANA-IQG.pdf	Tender Document

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: SURENDRA CHOUDHARY

Designation : DSTEAll