

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

**CPM/GSU/BKN** acting for and on behalf of The President of India invites E-Tenders against Tender No **SNT-GS-BKN-2025-26-02R** Closing Date/Time 13/10/2025 15:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

**1. NIT HEADER**

<b>Name of Work</b>	"Provision of Design,manufacture,supply,installation,testing and commissioning of electronic interlocking along with MSDAC and DC track circuit in c/w expansion of traffic facilities in Lalgarh (LGH) yard over Bikaner Division"		
<b>Bidding type</b>	Normal Tender		
<b>Tender Type</b>	Open	<b>Bidding System</b>	Two Packet System
<b>Tender Closing Date Time</b>	13/10/2025 15:00	<b>Date Time Of Uploading Tender</b>	20/09/2025 18:06
<b>Pre-Bid Conference Required</b>	No	<b>Pre-Bid Conference Date Time</b>	Not Applicable
<b>Advertised Value</b>	302332729.25	<b>Tendering Section</b>	GSUBKN
<b>Bidding Style</b>	Single Rate for Tender	<b>Bidding Unit</b>	Above/Below/Par
<b>Earnest Money (Rs.)</b>	1661700.00	<b>Validity of Offer ( Days)</b>	90
<b>Tender Doc. Cost (Rs.)</b>	0.00	<b>Period of Completion</b>	15 Months
<b>Contract Type</b>	Works - General	<b>Contract Category</b>	Expenditure
<b>Bidding Start Date</b>	29/09/2025		
<b>Are JV allowed to bid</b>	Yes	<b>Number of JV Member Allowed</b>	3
<b>Are Consortium allowed to bid</b>	No	<b>Number of Consortium Member Allowed</b>	0
<b>Ranking Order For Bids</b>	Lowest to Highest	<b>Expenditure Type</b>	Capital (Works)

**2. SCHEDULE**

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule () A-SOR ITEMS</b>							87713223.43	
1	Please see Item Breakup for details.				2368798.67	AT Par	2368798.67	
	<b>Description:-</b> CHAPTER-1: Electronic Interlocking, Design of circuits and drawings.							
2	Please see Item Breakup for details.				3898738.83	AT Par	3898738.83	
	<b>Description:-</b> Chapter-2: DATA Logger, RTU, FEP, CMU, FAS and Networking accessories							
3	Please see Item Breakup for details.				6693229.69	AT Par	6693229.69	
	<b>Description:-</b> Chapter -3: Indoor Relays, Timers, Flasher, KLCR							
4	Please see Item Breakup for details.				4207823.45	AT Par	4207823.45	
	<b>Description:-</b> Chapter-4: Relay racks, CT racks, Tag Blocks, Terminal, Fuses, Indoor cables and Jumper wires							
5	Please see Item Breakup for details.				5894556.48	AT Par	5894556.48	
	<b>Description:-</b> Chapter -5: Power Supply Equipments, Batteries, Surge protection, Program Switches, DG sets							
6	Please see Item Breakup for details.				10713265.34	AT Par	10713265.34	
	<b>Description:-</b> Chapter -06: Points Machine							
7	Please see Item Breakup for details.				5305646.39	AT Par	5305646.39	
	<b>Description:-</b> Chapter 7: Track Circuit equipments, HASSDAC, MSDAC etc.							
8	Please see Item Breakup for details.				6028277.57	AT Par	6028277.57	
	<b>Description:-</b> Chapter-8: LED Main & Subsidiary signals, CLS units, Route Indicators & foundation etc.							
9	Please see Item Breakup for details.				2449585.86	AT Par	2449585.86	
	<b>Description:-</b> Chapter-9: Level Crossing Gates, Interlocking of LC gates, ELBs, Accessories etc.							
10	Please see Item Breakup for details.				2970825.38	AT Par	2970825.38	
	<b>Description:-</b> Chapter-10 : Panel room equipments, VDUs(Video Display Units), Fire alarm equipments, Furnitures							
	Please see Item Breakup for details.				8211506.01	AT Par	8211506.01	

11

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

--	<b>Description:-</b> Chapter-11: Apparatus case, Outdoor installation, Fuses, ARA Terminal, Hylam Sheet, Phenolic Laminated sheets.							
12	Please see Item Breakup for details.	13832950.85	AT Par	13832950.85				
	<b>Description:-</b> Chapter-12: Cable laying material, Cable protection, Cable execution, Jointing Kits items etc.							
13	Please see Item Breakup for details.	4840226.86	AT Par	4840226.86				
	<b>Description:-</b> Chapter-13: Earthing, Measuring Instruments, Multimeter, Earth Tester, Clamp meters, Fault Locators, ELD(Earth Leakage Detector) etc.							
14	Please see Item Breakup for details.	874923.43	AT Par	874923.43				
	<b>Description:-</b> Chapter 14: Miscellaneous Signalling items, Painting, lettering.							
15	Please see Item Breakup for details.	9422868.62	AT Par	9422868.62				
	<b>Description:-</b> Chapter- 15: Telecom items(Conference system, IPIS, OFC equipments, Control equipments, LC gate phones etc.)							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule () B-NON SOR</b>							214619505.82	
01	NS1	100.00	Numbers	6800.10	680010.00	AT Par	680010.00	
	<b>Description:-</b> Supply and installation of earth electrode including MS plate for signalling equipment as lever frame, apparatus case, signal, relay rack, block instrument etc as per instruction of site engineer.							
02	NS2	10.00	Set	6636.99	66369.90	AT Par	66369.90	
	<b>Description:-</b> Tool Kit for signal maintenance with following items (i). Insulated combination plier of " = 1 No (ii). Insulated long nose pleir (Road wise) 6" = 1 No (iii). Insulated wise stroper piler 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 spanuer set (6 to 32 mm) = 1 set (viii). Adjustable spanwer set 8" = 1 No (ix). Ball pin hammer 200 gm = 1 No (x). Soldering iron 25 w = 1 No (xi). Torch cell LED (3cell) exeredy/Jeep = 1 No (xii). Auto Ranging digital multimode (Meeco/Rishabh) = 1 No							
03	NS3	50.00	Numbers	2761.86	138093.00	AT Par	138093.00	
	<b>Description:-</b> Supply of magneto Telephone Desk Type (push button) spec No. TC-79/2000 with Amendment No. 3 or latest.							
04	NS4	500.00	Numbers	638.34	319170.00	AT Par	319170.00	
	<b>Description:-</b> Fixing and wiring of outdoor relays. It includes all the necessary material for wiring of outdoor relays. Note : Relay will be supplied by railways.							
05	NS5	10.00	Numbers	10204.76	102047.60	AT Par	102047.60	
	<b>Description:-</b> Supply and installation of OFC Joint closure conforming to TEC Spec. and splicing of Optic Fibre Cable' (48 Fibres) and testing of fibre for 1310 :1550 nm.							
06	NS6	10.00	Numbers	22847.41	228474.10	AT Par	228474.10	
	<b>Description:-</b> Supply and Installation of Rack mountable 48 Fibre management system (FMS)conforming to RDSO/SPN/TC-3712000(rev-3) amdt-1 or latest similar to COMSCOPE make or better, suitable for splicing and front patching 48F cable with all accessories and terminating the optical fibre cable with splicing and front patching in FMS in the equipment room.							
07	NS7	200.00	Numbers	341701.93	68340386.00	AT Par	68340386.00	
	<b>Description:-</b> Supply of Multi section digital axlecounter complete set with allaccessories consisting of completeindoor and outdoor equipmentincluding including reset box, andmonitoring console as per RDSOspecification no.RDSO/SPN/176/2013(ver. 3) with latestammendmend/revision of requiredtrack section. It includes transportation to SSE depot and from SSE depot tosite.Inspection by RDSO (1 Number =1 DP).Note: 1. If any housing isrequired to keep outdoor equipment, ithas to be supplied with the equipmentwith no extra cost. 2. Maintenance freeearthing (supply and installation) fortrack device/mushroom housing to bedone by the contractor if required bysystem design. No separate paymentwill be made. 3. Automatic resettingwill be provided by providing softsupervisory track section as perscheme plan. All hardware software forauto resetting to be provided by thecontractor. 4. All other hardware likeextra cards modem etc required forcommissioning will be supplied by thecontractor. Separate Evaluator to beprovided for up and Dn line as well asat station or RH as decided by the siteengineer. ABS scheme will be as perletter no. SG/42/NWR/HQ/Vol VII dtd.31.05.2022							
08	NS8	225.00	Per DPR	11150.11	2508774.75	AT Par	2508774.75	
	<b>Description:-</b> Installation, Testing andCommissioning of Multi Section DigitalAxle Counter (MSDAC) Complete setwith all accessories Consisting of complete indoor and outdoor equipment including reset box and monitoring console as per RDSO Specification No. RDSO/SPN/176/2013(ver. 3) with latest ammendmend/revision of required track section. It includes transportation to SSE depot and from SSE depot to site (1 Number = 1 DP). Note: Itincludes supply of HDPE pipe for laying of transmitter and receiver cable, digging of trench under track up to location/mushroom housing. All otheraccessories required for commissioningwill be provided by the contractor.							
	NS9	25.00	Numbers	606.19	15154.75	AT Par	15154.75	

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

09	<b>Description:-</b> supply of Push button telephone Pulse/tone switchable telephone set with radial, mute , pause, flash tone/Pulse facility as per TEC spec No. GR/TEL-02/04 sept 02 with amendment 2 including latest amendment.						
10	NS10	10.00	Numbers	38.24	382.40	AT Par	382.40
	<b>Description:-</b> Installation, testing , commissioning of of Push button telephone for connecting with way side equipments as per specs.						
11	NS11	20.00	Numbers	14297.60	285952.00	AT Par	285952.00
	<b>Description:-</b> Supply of 8 port Gigabit Lite Managed PoE Layer 2 Switch make HP/CISCO/JUNIPER or other reputed make with similar or better specs.						
12	NS12	10.00	Numbers	1574.14	15741.40	AT Par	15741.40
	<b>Description:-</b> Supply, fixing and wiring of 10 Pair CT Box and termination of cable as per details approved by site Engineer.CT box to be supplied only after sample/ drawing approved by Engineer incharge. This item also covers the termination and sealing of Block DPs.						
13	NS13	10.00	Numbers	1753.58	17535.80	AT Par	17535.80
	<b>Description:-</b> Supply, fixing and wiring of 20 Pair CT Box and termination of cable as per details approved by site Engineer.CT box to be supplied only after sample/ drawing approved by Engineer incharge. This item also covers the termination and sealing of Block DPs.						
14	NS14	50.00	Numbers	755.20	37760.00	AT Par	37760.00
	<b>Description:-</b> 12 V, 7 Ah Sealed Lead Acid Maintenance Free type (SMF) Battery as per RDSO Spec.No.RDSO/PE/SPEC/AC/0180-2016 (Rev-0),						
15	NS15	10.00	Numbers	6589.18	65891.80	AT Par	65891.80
	<b>Description:-</b> Supply, istallation, testing & commissioning of Wi-Fi smart mesh Router D-Link EXO DIR 2600/Juniper/HP/Cisco or other reputed make with similar or better specs.						
16	NS16	2.00	Numbers	137824.00	275648.00	AT Par	275648.00
	<b>Description:-</b> Fault Diagostic terminal , as per specification attached in tender booklet						
17	NS17	5.00	Numbers	55600.16	278000.80	AT Par	278000.80
	<b>Description:-</b> Supply, installation, testing & commissioning of 28 port Fiber L-3 switch with 24 SFP and 4 combo ports of reputed make like Cisco/Juniper/HP or other reputed make with similar or better specs.						
18	NS18	10.00	Numbers	15019.95	150199.50	AT Par	150199.50
	<b>Description:-</b> Supply, installation, testing & Commissining of L-2 switch (24 port 10/100/1000 mbps Base T & 4 SFP ports) AC type make HP/Cisco/Juniper or other reputed make with similar or better specs.						
19	NS19	10.00	Numbers	14314.58	143145.80	AT Par	143145.80
	<b>Description:-</b> Supply of E1 to ethernet convertor (1E1) E1 to multiple PDH link convertor, E1 port, 4 ethernet UTP ports make - Techroute/ANDA/Zyxel or any other reputed make with similar or better specs.						
20	NS20	10.00	Pair	7658.60	76586.00	AT Par	76586.00
	<b>Description:-</b> Supply of Media convertor distance 20 Km with 10/100 Mbps make Mrotek//Zyxcel//ANDA/Team engineers or any other reputed make with similar or better specs.						
21	NS21	10.00	Pair	13875.29	138752.90	AT Par	138752.90
	<b>Description:-</b> supply of IP based LAN extender with 4 ethernet ports speed support upto 5mbps .biz workable upto 5km make CPC/ RAD/ANDA Telecom/team engineers or any other reputed make with similar or better specs with 1 year OEM replacement waranty.						
22	NS22	5000.00	Metre	17.28	86400.00	AT Par	86400.00
	<b>Description:-</b> Supply of armoured 6 core SM fibre cable suitable for indoor and outdoor; Make Finolex/Molex/ Dlink or other reputed make as per technical specifications attached						
23	NS23	6.00	Numbers	2937.40	17624.40	AT Par	17624.40
	<b>Description:-</b> Supply installation testing and commissinf of 12 port wall/rack Mount fully loaded LIU with 12 SC adapter 2x 6 adapter plate for Switch location as per technical specifications attached.						
24	NS24	10.00	Numbers	4042.21	40422.10	AT Par	40422.10
	<b>Description:-</b> Supply installation, testing and commissioning of CAT6 24 Port fully populated Patch Panel 19" Rack Mounted Make D-Link or other reputed make as per technical specifications attached.						
25	NS25	50.00	Numbers	128.63	6431.50	AT Par	6431.50
	<b>Description:-</b> Supply of UTP CAT6 2 Mtr Patch Cord RoHS Complaint make Molex/Systemax/Avaya/D-Link or other reputed make.						
26	NS26	50.00	Numbers	121.07	6053.50	AT Par	6053.50
	<b>Description:-</b> Supply of UTP CAT6 1 Mtr Patch Cord RoHS Complaint make Molex/ Systemax/ Avaya/ D-Link or other reputed make.						
27	NS27	10.00	Numbers	3500.55	35005.50	AT Par	35005.50

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

27	<b>Description:-</b> Supply of 1 KVA UPS off line inbuilt Battery (9Ah/12volt) Capacity :- 1.0/216 (KVA/VAH) rated out Put :-Single phase Sine wave 230volt Ac/50Hz Volt , Switching over Time :-9 Mill.Sec. Type Of Battery- SMF VRLA, make- APC/Microtek/Luminous or any other reputed make with 2 years warranty.						
28	NS28	10.00	Numbers	34220.00	342200.00	AT Par	342200.00
	<b>Description:-</b> Supply 25 Watt VHF digital radio set Preferred Make- Motorola/SIMOCO/ Kenwood or similar with SMPS Power Supply Unit, 6 db Antenna and Antenna cable as per RDSO specification RDSO/SPN/TC/107/2018 Rev 0.0. or latest.						
29	NS29	30.00	Numbers	188.61	5658.30	AT Par	5658.30
	<b>Description:-</b> Supply of single mode Patch Cords LC-SC/LC-LC 5mtrs of reputed make.						
30	NS30	30.00	Numbers	140.87	4226.10	AT Par	4226.10
	<b>Description:-</b> Supply of single mode SC/APC - SC/APC Patch Cords (1 Mtr) of reputed make.						
31	NS31	30.00	Numbers	133.77	4013.10	AT Par	4013.10
	<b>Description:-</b> Supply of single mode Patch Cords LC-SC/LC-LC 3 mtrs (3M/TE connectivity/R&M or other reputed make						
32	NS32	3.00	Numbers	81192.30	243576.90	AT Par	243576.90
	<b>Description:-</b> Supply of Multi function Machines Printer, Laser as per site requirement. However, the contractor should check the site requirement and supply material as per requirement. In this regard, the decision of Railway official shall be final.						
33	NS33	3.00	Numbers	80388.25	241164.75	AT Par	241164.75
	<b>Description:-</b> Supply of Portable service terminal as per site requirement. However, the contractor should check the site requirement and supply material as per requirement. In this regard, the decision of Railway official shall be final.						
34	NS34	8.00	Numbers	67985.32	543882.56	AT Par	543882.56
	<b>Description:-</b> Supply of data input and dignostic terminal for creation of testing and failure reports and database management of control communication as per specs- all in one ,processor i7 , RAM 16GB, hard disc 500 GB SSD, windows 11 Pro,MS. office 21 or higher sepcification , Make HP, DELL ,ASSER or simmilar reputetated brand (Screen size 23")						
35	NS35	1.00	Numbers	339590.23	339590.23	AT Par	339590.23
	<b>Description:-</b> Supply, fabrication, installation and fixing of panel operator consol with arrangement to fix upto 85" VDU's - 2Nos. Reset boxes, and other S&T gadgets.						
36	NS36	1.00	Station	118740002.50	118740002.50	AT Par	118740002.50
	<b>Description:-</b> Design, Manufacture, Supply of Hot Standby Architecture Electronic Interlocking (EI) System Complete as Per RDSO Specification RDSO/SPN/192/2019 With Latest Amendment.( Distributed EI 5+1) Note: It mainly consist of Microprocessor Equipments, Interface Equipments, EI vendor specific Interfacing Relays , In-built event Logger, In-built Power Supply Equipments, Racks (Only Relay Rack/EI Rack), Indoor cables, Wires, Fuses , Fixtures, Mounting arrangements along with all accessories required to make complete EI system functional. Design of indoor EI system should be compatible as per outdoor interlocking requirement based on Signal Interlocking Plan & Selection Table of station/yard. This item also includes supply of following :- (a) Supply of documents/manuals for EI system as per RDSO Specn.No. RDSO/SPN/192/2019 Ver.2 or latest. (b) Supply & provision of protective devices like surge and lightning protection devices compatible to RE standards as recommended by OEM / RDSO.						
37	NS37	1.00	Station	6806614.00	6806614.00	AT Par	6806614.00
	<b>Description:-</b> Supply of Essential Spares (10% Of Main Equipment/ Module for EI System) of the Input Cards/ Modules as specified by OEM.						
38	NS38	1.00	Job	5537500.00	5537500.00	AT Par	5537500.00
	<b>Description:-</b> Installation, Wiring, Programming, Testing & Commissioning of Complete Yard for Data In-Put & Configuration, Simulation & Functional Testing, Diagnostic & Trouble Shooting and Commissioning of Electronic Interlocking System as per Interlocking Plan						
39	NS39	1000.00	Metre	395.10	395100.00	AT Par	395100.00
	<b>Description:-</b> Supply of HDPE pipe 4"/110mm forHDD crossing as per IS Spicification4984: 2016 or latest						
40	NS40	3.00	Set	230100.00	690300.00	AT Par	690300.00
	<b>Description:-</b> Supply and Installation of Modular power supply arrangement for VDU(43"" 85""") and industria IPC (Embedded PC) with input and output redundancy arrangemen tand Hot plugable Modules. 1. Input O- ringdiode module withpotential free -1 Nocontacts (PFC) for two110 V DC sources fromIPS and single 110 V DCbus. 2. Isolated Inverters(Master / slave) - 02Nos. Input- 110 V DCOutput: 120 V AC/220VA 500VA 3. Isolated DC-DC convertors- 02 nos.Input: 110 v DC Output:24 V DC/ 10A 4. 3 U SSRack with back panelmother board / frontpanel power connectorsinverter auto changeover switch and allrequired over switch andall required protectioncircuits as per RDSOspecification. MakeGallant or similar(Inspection by RITES)						
41	NS41	2.00	Numbers	653829.37	1307658.74	AT Par	1307658.74

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

	<b>Description:-</b> Supply of cable fault locator as per specification attached .Make Stanlay Kick plus advance cable maintenance test set or superior. Inspection RITES						
42	NS42	3.00	Numbers	1581845.46	4745536.38	AT Par	4745536.38
	<b>Description:-</b> Supply of GNSS based cableroute tracer kit with receiverwith built in mount for GNSSreceiver, 12W or higherpower transmitter with >=130V Voltage boost, suitablefor detecting &mappingunderground cables withaccuracy up to 2 5 cm, withcurrent direction up/downarrows. Supply shall includelocating receiver with RTK receiver powered by locatorreceiver, transmitter,compatible dual Bluetoothandroid phone, mobileapplication pre-installed inandroid device with 5 yearssubscription & PC databasesoftware access for directmap generation & downloadincluding depth data, 5years subscription for GNSScorrection service &standard accessories, perspecification attached.Make/Model: RycomPathfinder PLDL Routelocator with Trimble DA2GNSS receiver or similar.Detailed specification as perAnnexure-II. Inspection byRITES						
43	NS43	3.00	Numbers	3001.92	9005.76	AT Par	9005.76
	<b>Description:-</b> SUPPLY OF RODO METER (ANALOG) SPEC. MECHANICAL 5 DIGIT COUNTER, ABS PLASSTICS WHEEL WITH RUBBER TYRE, MEASURE FORWARD AND BACK WARD ,TELESCOPIC HANDLE PRECISION MEASURING WHEEL. MAKE SIMILAR TO STANLEY OR FREE MAN OR BOSCH OR JCB OR Similar ACCEPTED MAKE--FREEMANSMW01						
44	ns44	3.00	Numbers	4881.00	14643.00	AT Par	14643.00
	<b>Description:-</b> Bosch Plastic Handheld Electric Blower, Warranty 12 months Brand: Bosch						
45	NS45	3.00	Numbers	4872.00	14616.00	AT Par	14616.00
	<b>Description:-</b> Corded Brushed Electric Drill 250 Watt Brand: BOSCH LIMITED						
46	NS46	2.00	Numbers	199302.00	398604.00	AT Par	398604.00
	<b>Description:-</b> Supply of Auto CAD 2020 or Latest including specialized toolsets AD commercial New single - User 3 Year subcription(Autodesk) as per TS						
47	NS47	3.00	Numbers	53200.00	159600.00	AT Par	159600.00
	<b>Description:-</b> Smart Television TV55 inch 4K ultra HD, Brand LG or simillar .Resolution: 4K Ultra HD (3840 x 2160)   Refresh Rate: 60 Hertz   178 Degree wide viewing angle Connectivity: 3 HDMI ports to connect set top box, Blu Ray players, gaming console   2 USB ports to connect hard drives and other USB devices Sound : 20 Watts Output   Open Baffle Speaker  Dolby Audio   Clear Phase						

**3. ITEM BREAKUP**

Schedule	Schedule A-SOR ITEMS					
Item- 1	CHAPTER-1: Electronic Interlocking, Design of circuits and drawings.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	01010900	Supply of work station note book as per Technical Specifications . It also includes supply of Laser Printer (Only branded). The workstation should be capable of reconfiguring the system in case of any alteration in yard interlocking in future. Technical Specifications should be attached with the tender document by Tendering authority. Inspection: Consignee Inspection charges: None Payment terms: 100% after supply	Station	2.00	86892.73	173785.46
2	01011200	Training of Technician/ Jr. Engineer for installation, Commissioning, Testing, Repairs & Troubleshooting of EI system. (Hard copies of training material/ course modules to be given to each participant). Inspection: Consignee Inspection charges: None Payment terms: 100% after execution	Man-Days	30.00	1106.23	33186.90

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

3	01011300	Design, preparation & supply of drawings in computer print copies and original tracing in AUTO CAD FORMAT for Electronic Interlocking at each station. After completion of the work, the completion drawings incorporating completion details are to be supplied as per Technical Specifications given in tender document (upto 6 Line). The technical specifications are as per ANNEXURE 1.13 of SOR. Inspection: Consignee Inspection charges: None Payment terms: 100% after execution	Station	1.00	175967.35	175967.35
4	01011500	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: RDSO Inspection charges: Borne by Railways Payment terms:100% after supply.	Numbers	3.00	409839.20	1229517.60
5	01011600	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.	Numbers	3.00	102459.80	307379.40
6	01012100	Preparation of SWR literature in english alongwith associated mid-section interlocked gate with all corrections as per approved SWRD & approved SIP. For this 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.	Station	2.00	3598.62	7197.24
7	01012200	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. 1.21 of Chapter 1 of this SOR. Inspection: Consignee Inspection charges: None Payment terms:100% after execution.	Station	2.00	4478.18	8956.36
8	01012300	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.	Set	12.00	178.52	2142.24

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

9	01012400	Supply of maintainer's furniture of godrej make or superior and each set consist of(i) executive revolving bearing series low back-floating chair with normal arms cushioned chair-01 Nos. (ii) Executive table size 1650x900x728 mm with 3 drawers one side locker- 01 no .(iii) visitor chair seat & back cushion with high density foam with plastic pvc handle capsule type painted back-03 nos. Inspection: Consignee Inspection charges: None Payment terms:100% after supply.	Set	1.00	22986.88	22986.88
10	01012500	Designing and Plotting of Signaling Interlocking Plan(SIP) in AUTOCAD. Two copies of prints with soft copy will be submitted to Railway for checking. If alterations are suggested/proposed by Railways then again two copies of prints will be submitted for advance approval after carrying out all the alterations as suggested/proposed by the Railways. Tracings will be submitted for all the diagrams mentioned above for the purpose of approval by Railway prior to commissioning of station. Inspection: Consignee Inspection charges: None Payment terms:100% after execution. (Per Unit should be read as Per SIP)	Per Unit	1.00	28062.00	28062.00

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

11	01012700	Design of circuits in connection with preparation of wiring diagrams as per approved Signalling Plan and submission of indoor as well as outdoor completion documents. It includes Route Section Plan (RSP), Selection Table (ST), Locking Table (LT) and Control Panel Diagram (CPD)/VDU Diagram. Two copies of prints with soft copy will be submitted to Railway for checking. If alterations are suggested/proposed by Railways then again two copies of prints will be submitted for advance approval after carrying out all the alterations as suggested/proposed by the Railways. Tracings will be submitted for all the diagrams mentioned above for the purpose of approval by Railway prior to commissioning of station. All drawings will be prepared in CAD. The wiring diagrams will consist relay rack analysis, relay contact analysis, fuse details. Tag block analysis etc. A separate CD/Pen drive will be submitted to Railway for each station along with original tracings. It also includes preparation and supply of laminated one set of all 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 be submitted 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 and CT Rack, Control Cum Indication Panel/VDU diagram, Power Panel Diagram, Track Circuit Plan, Rack Erection Plan and Junction Box details etc. Note: Total cost of design and completion documents for a station/yard will be calculated on basis of total possible movements/routes as per Selection Table (ST). Inspection: Consignee Inspection charges: None Payment terms:100% after execution.	Per Route	72.00	4153.92	299082.24
----	----------	--	-----------	-------	---------	-----------



**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

12	01012800	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.	Sheet	500.00	161.07	80535.00
					<b>Total</b>	<b>2368798.67</b>
<b>Item- 2</b>	Chapter-2: DATA Logger, RTU, FEP, CMU, FAS and Networking accessories					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	02010200	Supply of Micro Processor based Data Logger System with 1280 digital and 32 analog inputs as per RDSO Spec. No. IRS (S) 99/2006 or latest with laser printer 22 ppm (Only branded HP/Brother/Canon). It includes supply of all the items required for complete indoor relay room wiring from data logger to relay rack tag blocks, drawing/extension of power supply upto Data Logger. It includes relay room door lock checking arrangement, commercial power supply monitoring arrangement & monitoring of DG sets, ELD , IPS, UFSBI, BI ,interlinking and networking of Data logger. It also includes supply of leased line MODEM , suitable online UPS (minmum 6 hours backup) and other interfacing cards, if required for networking of Data Logger.This also includes supply of one no. composite computer and printer table (Godrej work station table or similar) for keeping processor module and one number Godrej operator chair Model PCH7001 or similar. Note: Total numbers of relays and other signalling functions/gears required to be wired as per list circulated vide RDSO Letter No.STS/E/Data logger dtd.12.09.2011 or latest guidelines. Inspection: RDSO Inspection charges: Borne by Railways Payment terms:100% after supply	Numbers	6.00	485984.88	2915909.28

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

2	02010300	Installation, wiring, testing & commissioning of Micro Processor based Data Logger System with 1280/4096 digital and 32 analog inputs as per RDSO Spec. No. IRS (S) 99/2006 or latest It cover complete indoor relay room wiring from data logger to relay rack tag blocks, drawing/extension of power supply upto Data Logger. It includes relay room door lock checking arrangement, commercial power supply monitoring arrangement & DG sets,ELD , IPS,UFSBI, BI interlinking and networking of Data logger. All material required for wiring, networking, power supply monitoring, door-locking arrangement etc will be supplied by contractor.. Note: Total numbers of relays and other signalling functions/gears required to be wired as per list circulated vide RDSO Letter No.STS/E/Data logger dtd.12.09.2011 or latest guidelines. Networking of data logger includes extraction of data report from test room. For networking, required communication channel(Quad/OFC cable) will be arranged/provided by Rly in SM/ASM's room or in OFC Porta Cabin and it will be extended by contractor upto location of data logger by using CAT-5/6 telecom cable with proper casing and capping. The contractor will supply all the material like CAT-5/6 telecom cable, casing & capping, nuts, bolts etc. The final commissioning will be done after filling up of Pre- Commissioning checklist (circulated by RDSO) with the OEM representative. Inspection: Consignee, Inspection charges: None Payment terms:100% after commissioning	Numbers	6.00	121496.22	728977.32
3	02011000	Supply of Failure Analysis & Fault Diagnostic software for data logger upto 4096 digital inputs at a station. Inspection: Consignee, Inspection charges: None Payment terms:100% after supply.	Set	1.00	39122.42	39122.42
4	02011100	Installation and commissioning of Failure Analysis & Fault Diagnostic software for data logger upto 4096 digital inputs. Inspection: Consignee, Inspection charges: None Payment terms:100% after commissioning	Set	1.00	9780.60	9780.60
5	02011400	Supply of Failure Analysis System (FAS) as per Technical Specifications. The specification of FAS should be got approved from the Engineer in charge before supply. Note: The Specification of FAS shall be as per technical specification given in contract Agreement or higher version as approved by Engineer In-Charge. (Technical specification shall be provided in tender documents.) Inspection: Consignee Inspection charges: Borne by Railways Payment terms:100% after supply	Numbers	1.00	163959.37	163959.37

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

6	02011500	Installation, testing and commissioning of Failure Analysis System (FAS) as per Technical Specifications. The specification of FAS should be got approved from the Engineer in charge before supply. Note: The Specification of FAS shall be as per technical specification given in contract Agreement or higher version as approved by Engineer In-Charge. (Technical specification shall be provided in tender documents.) Inspection: Consignee, Inspection charges: None Payment terms:100% after commissioning	Numbers	1.00	40989.84	40989.84
					<b>Total</b>	<b>3898738.83</b>
<b>Item- 3</b>	Chapter -3: Indoor Relays, Timers, Flasher, KLCR					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	03010500	Supply of 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 authority:- RDSO Inspection charges:- Bornee by Railways Payment Terms:- 100% after supply.	Numbers	50.00	3943.56	197178.00
2	03010600	Supply of 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 ""ABCDF"". Inspection authority:- RDSO Inspection charges:- Borne by Railways Payment Terms:- 100% after supply.	Numbers	200.00	3789.37	757874.00
3	03010700	Supply of 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 authority:- RDSO Inspection charges:- Borne by Railways Payment Terms:- 100% after supply.	Numbers	30.00	4985.33	149559.90
4	03010800	Supply of 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 authority:- RDSO Inspection charges:- Borne by Railways Payment Terms:- 100% after supply.	Numbers	100.00	3938.00	393800.00

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

5	03010900	Supply of 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 authority:- RDSO Inspection charges:- Borne by Railways Payment Terms:- 100% after supply.	Numbers	100.00	5701.45	570145.00
6	03011300	Supply of Q-Series LED ECR (Universal Type i.e.QECX-61), 4F/4B complete with plug board(base plate), connectors, retaining clips etc and conforming to BRS:941A STS/E/RELAYS/AC LIT LED SIGNAL/09-2002 ,Amdt.-1and RDSO Specn.No.IRS:S-34 & S-23 or latest.The interlocking code for this unit shall be ""ABDHK"". Inspection authority:- RDSO Inspection charges:- Borne by Railways Payment Terms:- 100% after supply.	Numbers	200.00	4983.53	996706.00
7	03011400	Supply of Sealing wire used for sealing of signaling relays & equipments. Inspection authority:- Consignee Inspection charges:-None Payment Terms:- 100% after supply.	Kg	2.00	175.27	350.54
8	03011700	Supply of Track Relay QBAT, AC immunized, 2F-2B contacts, 9 ohms. Complete with plug board, retaining clip & connectors as perRDSO/SPN/84 Ver 2.0 or latest. The interlocking code for this unit shall be ""ABEJX"". Inspection authority:- RDSO Inspection charges:- Borne by Railways Payment Terms:- 100% after supply.	Numbers	5.00	7080.00	35400.00
9	03011800	Supply of Q-Series Line Relay (QNA1 Type),AC immunized, 8F/8B, 24 V 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 authority:- RDSO Inspection charges:- Borne by Railways Payment Terms:- 100% after supply.	Numbers	375.00	3913.67	1467626.25
10	03011900	Supply of Q-Series Line Relay (QNA1 Type), AC immunized, 12F/4B, 24 V 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 authority:- RDSO Inspection charges:- Borne by Railways Payment Terms:- 100% after supply.	Numbers	125.00	3805.50	475687.50
11	03012000	Supply of Q-Series Track Relay (QTA2 Type), AC immunized, 9 Ohms, 2F/1B along with plug board (base plate), connectors, retaining clips etc and conforming to BRS:939A & 966(Appendix F2) or latest.The interlocking code for this unit shall be ""FGHKX"". Inspection authority:- RDSO Inspection charges:- Borne by Railways Payment Terms:- 100% after supply.	Numbers	75.00	3734.70	280102.50

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

12	03012500	Supply of Key Lock Checking Relay (KLCR) working on 24V DC, AC Immunized with different ward combinations and contact configuration 4F/4B with 2 extra ward plates and with case, RDSO spec no. RDSO/SPN/219/2016 ver 1.0 or latest, confirming to IRS S-23, S-34 & S@45<44@ IRS S:46. Inspection authority:- For bare relay -RDSO, for key lock housing- consignee Inspection charges:-Bornee by Railways Payment Terms:- 100% after supply.	Numbers	100.00	9440.00	944000.00
13	03012600	Supply of Point Contactor relay AC immune, plug in type, style QBCA1 DC biased contractor, (QBCA1 Type), 24 V DC, 2F(HD)2F-4B contacts , heavy duty metal to carbon front contacts and back contacts metal to carbon, complete with plug board, retaining clip & connectors, conforming to BRS- 943 and IRS:S-34 & S-23 or latest. The interlocking code ""DEHJX"". Inspection authority:- RDSO Inspection charges:- Borne by Railways Payment Terms:- 100% after supply.	Numbers	60.00	7080.00	424800.00
					<b>Total</b>	<b>6693229.69</b>
<b>Item- 4</b>	Chapter-4: Relay racks, CT racks, Tag Blocks, Terminal, Fuses, Indoor cables and Jumper wires					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	04010100	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 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Kilometre	7.00	5813.26	40692.82
2	04010200	Supply of 1 x 6 Sqmm (Red/Black/Green) multi strand copper power wire as per IS:694:2010 or latest, 84 conductor each dia 0.30 +/- 0.01 with insulation thickness of 0.8 mm and nominal conductor resistance of 3.3 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: (i) RDSO/RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways(ii) None Payment Terms: 100% on Supply	Metre	100.00	36.37	3637.00

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

3	04010300	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: (i) RDSO/RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Metre	100.00	57.53	5753.00
4	04010400	Supply of 1 x 16 Sqmm (Red/Black/Green) multi strand copper power wire as per IS:694:2010 or latest, 127 conductor each dia 0.40 +/- 0.01 with insulation thickness of 1.0 mm and nominal conductor resistance of 1.21 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: (i) RDSO/RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways(ii) None Payment Terms: 100% on Supply	Metre	100.00	99.45	9945.00
5	04010500	Supply of 1 x 25 Sqmm (Red/Black) multi strand copper power wire as per IS:694:2010 or latest, 197 conductor each dia 0.40 +/- 0.01 with insulation thickness of 1.2 mm and nominal conductor resistance of 0.78 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: (i) RDSO/RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Metre	100.00	155.29	15529.00

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

6	04010600	Supply of 1 x 35 Sqmm (Red/Black/Green) multi strand copper power wire as per IS:694:2010 or latest, 277 conductor each dia 0.40 +/- 0.01 with insulation thickness of 1.2 mm and nominal conductor resistance of 0.554 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: (i) RDSO/RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Metre	100.00	176.93	17693.00
7	04010700	Supply of wiring material in relay room for potential free relay contacts for digital & analog Inputs (1280 digital inputs and 32 analog inputs). It includes supply of PVC insulated indoor Railway Signalling cable (1/0.6 sqmm dia), 60-Core/40-Core/Single Core as per RDSO Specn.No.IRS:S-76/89(Amnd.3) or latest, PVC insulated jumper wires multi strand, tinned in all colours as per RDSO Specn.No. IRS: S-76/89 (Amnd.3) or latest. The item also includes supply & wiring of Modular disconnect terminals /Tag Blocks as per RDSO Specn.No.IRS:S-77/2006 (Rev.1) or latest and RDSO Drg.No.SA-24751 or latest. The wiring for getting potential free contacts of relays for complete PI/RR/IE installation including points, tracks, signals, panel, power supply, IPS, SSDAC,TLBI,LC Gates, crank handle control etc will be done by contractor. All material will be supplied by contractor except the relays. The Relays will be supplied by Railway. Inspection: (i) RDSO/RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Installation & commissioning	Station	6.00	38132.15	228792.90
8	04010800	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 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Kilometre	1.00	2413.22	2413.22

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

9	04010900	Supply of indoor PVC jumper wire (1x1 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 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Kilometre	1.00	5633.33	5633.33
10	04011300	Supply of Cable Termination(CT) racks as per Drg.No.CSTE/NWR/ SOR/02 complete along with fitting arrangements and also with arrangement for fixing four 8-way terminal strips/ Screw less terminals/ ARA terminals on each row having 16 such rows. Supply of 8 way terminal strips/ Screw less terminals / ARA terminals not covered under this item. Cable termination rack shall be Powder Coated. Inspection: (i) RITES if value of item in work more than 5 lakhs (ii) Consignee if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Numbers	10.00	22732.41	227324.10
11	04011400	Installation of Cable Termination Racks Assembly complete including wall supports, scaffolding and suitable grouting arrangements with installation of 8 way/ARA terminals /Screw less connectors, Tag blocks & other necessary accessories etc. The work shall be done as per approved plan, extant practice on N W R & the instruction of Rly engineer at site. Inspection: Consignee Inspection Charges: None Payment Terms: 100% on commissioning.	Numbers	10.00	8687.12	86871.20
12	04011500	Supply of ARA Terminal Block (M-6) made of PBT/Poly Carbonate as per RDSO Specn.No.IRS:S-75/2006 (Rev.2) or latest and RDSO Drg.No. SA-23741A(Alt. 4) or latest. Inspection: RDSO. Inspection Charges: Borne by Railways. Payment Terms: 100% on supply.	Numbers	4000.00	87.41	349640.00
13	04011600	Supply of Cartridge Fuse Block made of PBT and as per RDSO Drg. No. SA-23748 (Alt. 4) or latest and RDSO Specn.No.IRS:S-75/2006 (Rev.2) or latest. Inspection: RDSO. Inspection Charges: Borne by Railways. Payment Terms: 100% on supply.	Numbers	1500.00	152.98	229470.00



**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

14	04011900	Supply of round head type non-deteriorating type low voltage cartridge fuse as per RDSO Specn.No.IRS:S-78/92 or latest and Capacity - 2/4/6/10A/16A/20A Amp. (material will be supplied only from approved vendors of RDSO). Inspection: Consignee Inspection Charges: Borne by Railways. Payment Terms: 100% on supply.	Numbers	3000.00	54.64	163920.00
15	04012400	Supply of PVC insulated Railway Signaling multi-core Indoor Cable 60core (0.6mm dia) conforming to IRS:76/89(Amd3) or latest. Inspection: (i) RDSO/RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Kilometre	1.00	154443.58	154443.58
16	04012500	Termination of Outdoor Cables (Main Cables /tail cables) at both ends in location boxes, cable termination rack in relay room, station building, generator room etc. The item includes dressing of cables and wires with dressing threads as per standard practice. All material required for this item will be supplied by contractor. The outdoor cable shall be terminated in Relay Room, DG Room, ASM Room etc under supervision and instructions issued by Engg. incharge of the work. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after execution	Per Conductor	15000.00	8.46	126900.00
		Supply of Disconnect Terminal Block, Screw less type, as per RDSO Spec. No. RDSO/SPN/189/2004(Modular Terminal Blocks, Fuse Terminal Blocks &Miniature fuse link of international standard for Railway signaling) With latest amendments. Inspection: (i) RDSO/RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply				
17	04012801	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)	Numbers	20000.00	54.63	1092600.00
18	04012802	Supply of End plate for item 4.28(i) of Chapter 4 of revised SOR 2.5mm/0.091 in thick as per site requirement.	Numbers	5000.00	10.24	51200.00
19	04012803	Supply of End Stopper for item 4.28(i) of Chapter 4 of revised SOR 10mm/0.0394 in width as per site requirement.	Numbers	5000.00	10.24	51200.00

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

20	04012804	Supply of Carrier Rails for item 4.28(i) of Chapter 4 of revised SOR 35mm x 7.5mm, 1mm/0.039 in thickness un-slotted type as per site requirement.	Metre	5000.00	106.98	534900.00
21	04012805	Supply of Markers strip for item 4.28(ii) of Chapter 4 of revised SOR	Numbers	1000.00	15.93	15930.00
22	04013400	Supply of Fuse auto changeover system for Railway Signaling System as per RDSO/SPN/209/2012 rev.1 with latest amendments. One Automatic changeover Unit comprise 32 nos. of external Non Deteriorating Type or 'G' type fuses from 0.6 Amp to 4 Amp capacities which are in signaling circuits. System shall have 8 cards with monitoring arrangement of 4 fuses in one card. Inspection:(i) RDSO/RITES: if value of item in work more than 5 lakhs (ii) Consignee: subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs or as per extant policy. Inspection charges:(i)Borne by Railways (ii) None Payment Terms: 100% after supply. (Per Unit should be read as Per Module)	Per Unit	10.00	29277.62	292776.20
23	04013500	Supply of Fuse auto changeover system for Railway Signaling System as per RDSO/SPN/209/2012 rev.1 with latest amendments. One Automatic changeover Unit comprise 24 nos. of external Non Deteriorating Type or 'G' type fuses from 4 Amp to 10 Amp capacities which are in signaling circuits. System shall have 6 cards with monitoring arrangement of 4 fuses in one card. Inspection: (i) RDSO/RITES: if value of item in work more than 5 lakhs (ii) Consignee: subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs or as per extant policy. Inspection charges: (i)Borne by Railways (ii) None Payment Terms: 100% after supply. (Per Unit should be read as Per Module)	Per Unit	10.00	48285.03	482850.30
24	04013600	Installation wiring testing and commissioning of Fuse change over system (FACS). This includes provision of common Buzzer & indication at ASM Room & ESM Duty Room and painting of fuse details. This also includes fabrication of frame for installation of FACS at Station/ LC gate where installation of relay racks not feasible. Inspection: Consignee Inspection charges: None Payment Terms: 100% on commissioning(Per Unit should be read as Per Module)	Per Unit	20.00	885.44	17708.80
					<b>Total</b>	<b>4207823.45</b>
<b>Item- 5</b>	Chapter -5: Power Supply Equipments, Batteries, Surge protection, Program Switches, DG sets					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

		Installation, Wiring and testing of Integrated Power Supply System. This includes power distribution connection to bus bars and relay racks in the room with contractor's own wiring materials and fabrication and fixing of AC/DC power distribution board made on 10mm thick Phenolic hylam sheets or any standard make with connections suitable for 32 A. Wiring to be done considering site requirement, depending upon the load with suitable wires, lugs & glands as per instructions of Engineer-in-charge. The work includes installation of Thermo flasher relay, ELD's, fixing & wiring of change over switch (program switch) for selection of DG set supply (DG1 & DG2) and wiring of change over switch (program switch) for selection of mains or DG supply. This item also includes supply & fixing of ladder along the wall for carrying power supply wires/cables from IPS room to Relay room/power room etc. Any masonry work required will be carried out by contactors own material. It includes transportation of IPS from consignee depot to work site/station/ LC gate. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after execution				
1	05011402	For LC gate/IBS/ ALH Hut/ Portacabin	Numbers	6.00	36592.19	219553.14
2	05012400	Supply of Self Regulating Type Battery Charger,230V AC/110V DC, 50 Amps as per RDSO Specn.No.IRS:S-86/2000 (Amnd.4) or latest. Inspection: RDSO Inspection Charges: Borne by Railways Payment Terms: 100% on Supply	Numbers	6.00	122346.29	734077.74
		Supply of uncharged Low Maintenance Lead Acid (LMLA) secondary cell, shelf mounting type conforming to RDSO Specn.No.IRS:S-88/2004 or latest with inter cell connectors, nuts and bolts etc. Inspection: RDSO Inspection Charges: Borne by Railways Payment Terms: 100% after Supply.				
3	05012601	2V, 80 AH	Numbers	150.00	2067.93	310189.50
4	05012602	2 V, 200 AH	Numbers	42.00	5665.46	237949.32
5	05012603	2V, 300AH	Numbers	360.00	7059.56	2541441.60
		Charging of Lead Acid Batteries with contractors own battery grade sulphuric acid and distilled water with minimum two charge - discharge cycles, installation of charged batteries in groups & their connection & wiring. The work shall be done as per extant practice of N.W.Rly & instruction of Engineer-in-charge. Detailed measurements of initial charging shall be recorded jointly by contractor & Rly's site-in-charge. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after Execution.				
6	05012701	2V 80AH	Numbers	150.00	371.02	55653.00
7	05012702	2V 200AH	Numbers	42.00	985.59	41394.78
8	05012703	2V 300AH/ 500 AH	Numbers	360.00	986.73	355222.80

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

9	05014000	Installation, wiring, testing and commissioning of Diesel Generator Set 20 KVA, Single Phase, 240V, 1500 RPM, 50 Hz, 30 BHP (minimum) mounted with air cooled double cylinder diesel engine with acoustic enclosure complete silent type DG sets confirming to RDSO Specn.No.IRS(S) 69/86 with latest. (CPCB Noise and Emission Complaint) Kirloskar make engine/alternator.This also includes supply of standard AMF control panel, supply of 12V/120 AH battery set along with battery charger of suitable rating for charging the batteries to ensure self starting arrangement of DG sets. It also includes supply of start/stop buttons, Volt/Ampere/Frequency meters and 63 AMP MCB(minimum). Note: DG set will be procured from OEM or authorized dealer of OEM's with the warranty certificate of minimum 1 year. All masonry work required for installation of DG set will be done by contractor under supervision/instructions issued by site engineer incharge. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after Commissioning	Numbers	6.00	97013.46	582080.76
10	05014400	Supply of Rubber Mat for Power Equipment room. (5mm/10mm/12 mm/20 mm thick ) Inspection: Consignee Inspection Charges: None Payment Terms: 100% after Supply.	Kg	100.00	106.98	10698.00
11	05015700	Supply of maintenance stand for relay room / battery room as per samples as per samples /drawings approved by the site engineer incharge. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after supply.	Numbers	1.00	2390.64	2390.64

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

12	05015800	Supply of active lightening arrester of Class A for building protection as per standard NFC-17-102. It shall work on early streamer emission principle & shall be made of stainless steel with a T of 60 microseconds. Non resettable type counter shall also be supplied to count the number of lightening occurrences. It also includes supply of electrolytic copper tape of 25mmX2mm or better for connecting class A device to the earth pit. This include installation, testing and commissioning of Class A device on the top of the building. This device shall be installed at suitable height on the roof of the building using a GI mast as per instructions of Railway engineer at Site. The device shall be connected to earth pit using a copper tape of 25mm x 2mm or better. This copper tape shall be run firmly only the site of the mast with the help of spacers. It shall also be ensured that the down conductor shall not touch the building throughout. the down conductor shall be connected to the earth electrode using exothermic welding. A counter shall be installed at appropriate space to count the number of occurrence. All the accessories like spacers, welding material etc. required for installation shall be arranged by the contractor. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after commissioning.	Numbers	12.00	66992.10	803905.20
					<b>Total</b>	<b>5894556.48</b>
<b>Item- 6</b>	Chapter -06: Points Machine					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

1	06010100	Supply of ELECTRIC POINT MACHINE 143 MM STROKE AC IMMUNITY 160V AC COMPLETE WITH LOCK DETECTOR AND SLIDES FOR LOCK DETECTOR NON-TRILABLE TO OPERATE ON 110 V DC ROTARY LOCKING WITH CRANK HANDLE UNIVERSAL TPE AS PER RDSO SPECN. NO. IRS:S-24/2002 (AMND 1) RDSO DRG. NO S-10800 (ALT.5) WITH JUNCTION BOX TELESCOPIC. THE MOTOR WILL BE AS PER RDSO SPECN. NO. IRS: S-37/82 (AMND. 3) WITH RDSO DRG. NO. S-10910. This includes supply of Set of tools as per para20.1 & 20.2 of RDSO SPECN. NO. IRS:S-24/2002 (AMND 1) 20.1 The following set of tools in a suitable tool box shall be supplied along with every set of eight point machines or less. i). Hand operated square drive socket wrenches of 12.5 mm driving square (short type) as per IS: 7381 for M8, M10, M12 & M18 threads. (One 250 mm long 12.5 mm square extension bar as per IS: 7991 alongwith compatible Tee handle Square drive as per IS: 7975 suitable for above socket wrenches shall also be provided.) ii). Open jaw wrenches (spanners) for M10, M12, M20, M24 & M33 threads as per IS: 2028. iii). Adjustable wrench. iv). Screw driver 300 mm long. 20.2 Junction box and two numbers of telescopic pipes of approved type shall be supplied as an integral part of the point machine. Inspection: RDSO Inspection Charges: Borne by Railways Payment Terms: 100% after Supply.	Numbers	30.00	60412.20	1812366.00
---	----------	---	---------	-------	----------	------------

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

2	06010200	Supply of ELECTRIC POINT MACHINE 143 MM STROKE AC IMMUNITY 400V AC COMPLETE WITH LOCK DETECTOR AND SLIDES FOR LOCK DETECTOR NON-TRILABLE TO OPERATE ON 110 V DC ROTARY LOCKING WITH CRANK HANDLE UNIVERSAL TPE AS PER RDSO SPECN. NO. IRS:S-24/2002 (AMND 1) RDSO DRG. NO S-10800 (ALT.5) WITH JUNCTION BOX TELESCOPIC. THE MOTOR WILL BE AS PER RDSO SPECN. NO. IRS: S-37/82 (AMND. 3) WITH RDSO DRG. NO. S-10910. This includes supply of Set of tools as per para20.1 & 20.2 of RDSO SPECN. NO. IRS:S-24/2002 (AMND 1) 20.1 The following set of tools in a suitable tool box shall be supplied along with every set of eight point machines or less. i). Hand operated square drive socket wrenches of 12.5 mm driving square (short type) as per IS: 7381 for M8, M10, M12 & M18 threads. (One 250 mm long 12.5 mm square extension bar as per IS: 7991 alongwith compatible Tee handle Square drive as per IS: 7975 suitable for above socket wrenches shall also be provided.) ii). Open jaw wrenches (spanners) for M10, M12, M20, M24 & M33 threads as per IS: 2028. iii). Adjustable wrench. iv). Screw driver 300 mm long. 20.2 Junction box and two numbers of telescopic pipes of approved type shall be supplied as an integral part of the point machine. Inspection: RDSO Inspection Charges: Borne by Railways Payment Terms: 100% after Supply.	Numbers	5.00	72450.00	362250.00
---	----------	---	---------	------	----------	-----------

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

3	06010300	Fixing, wiring, testing and commissioning of Electrical Point Machine on the extended sleepers at points as per std. practice and as per RDSO Drg No. SA 9151-52 or 9710 or 9161 or 10800 or 11000 as per section of rails used. Item includes fixing switch extension bracket, providing insulation for switch extension bracket, fixing ground connection, adjusting opening of the switches and adjusting the point machine with crank handle.The item also includes : (i)Complete material for installation like ground-connections, switch extension brackets, point insulation material, I pipes, wiring materials, various fixing nuts & bolts including castle nuts, spring washers (ii) All smithy & fitting works required at site for complete installation. (iii) Installation of gauge tie plate & providing insulation for gauge tie plate (Insulation in William Stretcher Bar will be Provide by Railways). (iv) Wiring inside the point machine, insertion and termination of tail cable in point machine and junction boxes / location box /cable hut as per extent practice on NWR and the instruction of Railway Engineer at site. (v) Supply and fixing of suitable size GI pipes with flange for taking cable into point machine. Note ; The ground connections shall be suitable to the Point Machines as specified by Engineer-in-charge and shall be suitable to the point lay out i.e. 60 Kg. / 52 Kg / 90R as per yard layout. Electrical Point Machine and M-6 / Screw less terminals will be supplied by Railways / covered in Schedule separately Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Commissioning.	Numbers	80.00	27586.01	2206880.80
---	----------	--	---------	-------	----------	------------



**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

4	06010400	Supply of Point insulation Complete set as per RDSO/SPN/168/2005 for 1.Switch bracket'D' bracket insulation for IRS point machine - One set comprises of (a)Side plate LH to Drg.No.S-3266 - 1 No. (b) Side plate RH to Drg.No.S-3265 - 1 No. (c)Insulating bush to Drg.No.S-3199 - 4 Nos. (d) Insulating washer to Drg.No.S-8640 - 4 Nos., 2. Split-Stretcher bar 2.1 Insulation for Leading stretcher bars(BG) each set comprising of (a) Insulating plate for leading insulated stretcher bars BG as per RDSO Drg.No.T-10384 - 2 Nos. (b) Insulating bushing for leadingg insulated stretcher bars for BG as per RDSO Drg.No.T-10535- 4 Nos. (c) Insulating Washer for insulated stretcher bar BG as per RDSO drg.No.T-10371 - 6 Nos. 2.2 Insulation for following stretcher bars BG. Each set comprising of: (a) Insulating side plate for insulated stretcher bars BG as per RDSO Drg.No.T-10367 - 3 No. (b) Insulating bushing for insulated stretcher bars BG as per RDSO Drg.No..T-10368 - 6 Nos. (c)Insulating washer for insulated stretcher bars BG as per RDSO Drg.No.T10371 - 12 Nos& 3. Gauge tie plates (52 Kg/60Kg as per site requirement) Insulation for (BG) complete with insulating bush and washer each set comprising of: (a) Insulating plate for insulated tie plate BG as per RDSO Drg.No.T-10372-1 No. (b) Insulating bushing for insulated stretcher bar BG as per RDSO Drg.No.T10368 - 3 Nos. (c) Insulating Washer for insulated stretcher bar BG to IRS 40/84 as perRDSO drg.No.T-10371 - 6 Nos. Inspection: (i) RDSO/RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Set	130.00	1290.61	167779.30
---	----------	---	-----	--------	---------	-----------

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

5	06010500	Supply of Gauge Tie plate insulation as per RDSO/SPN/168/2005 as per RDSO drg No: T- 10372Alt2, T- 10368, T-10371Alt2, T-15083/88/Alt2 & T-11690/Alt2 and as per RDSO/SPN/168/2005 with latest amendments as applicable. Gauge tie plates (52 Kg/60Kg as per site requirement) Insulation for (BG) complete with insulating bush and washer each set comprising of: (a) Insulating plate for insulated tie plate BG as per RDSO Drg.No.T-10372-1 No. (b) Insulating bushing for insulated stretcher bar BG as per RDSO Drg.No.T10368 - 3 Nos. (c) Insulating Washer for insulated stretcher bar BG to IRS 40/84 as perRDSO drg.No.T-10371 - 6 Nos. Inspection: (i) RDSO/RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Set	50.00	1156.31	57815.50
---	----------	--	-----	-------	---------	----------

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

6	06010800	Supply of ELECTRIC POINT MACHINE ROTARY LOCKING TYPE HIGH THRUST OF 220 MM THROW, AC IMMUNITY 160 VOLT AC, NON - TRAILABLE TO OPERATE ON 110 V DC COMPLETE WITH LOCK AND DETECTOR SLIDES AND CABLE TERMINATION BOX, AS PER RDSO SPECIFICATION NO. IRS : S-24/2002 AMENDMENT - 1 OR LATEST AS PER DRAWING.NO. RDSO/S-11000 WITH EXTERNAL CLAMP POINT LOCK AS PER DRG. NO. RDSO/S-3395 AND WITH COMPLETE SET OF GROUND CONNECTIONS WITH NYLON INSULATIONS AS PER DRG. NO. RDSO/S-3454 FOR 60Kg RAILS. THICK WEB SWITCH. LATEST ALTERATIONS IF ANY ARE APPLICABLE TO BOTH DRAWINGS. This includes supply of Set of tools as per para20.1 & 20.2 of RDSO SPECN. NO. IRS:S-24/2002 (AMND 1) or latest 20.1 The following set of tools in a suitable tool box shall be supplied along with every set of eight point machines or less. i). Hand operated square drive socket wrenches of 12.5 mm driving square (short type) as per IS: 7381 for M8, M10, M12 & M18 threads. (One 250 mm long 12.5 mm square extension bar as per IS: 7991 alongwith compatible Tee handle Square drive as per IS: 7975 suitable for above socket wrenches shall also be provided.) ii). Open jaw wrenches (spanners) for M10, M12, M20, M24 & M33 threads as per IS: 2028. iii). Adjustable wrench. iv). Screw driver 300 mm long. 20.2 Junction box and two numbers of telescopic pipes of approved type shall be supplied as an integral part of the point machine. Inspection: RDSO Inspection Charges: Borne by Railways Payment Terms: 100% after Supply.	Numbers	50.00	113610.00	5680500.00
7	06010900	Refixing of electrical point machine, ground connection during phase working (Non interlocked working) after removing the existing fitting if any, adjustment if necessary, cable termination, wiring , testing and commissioning of electrically operated point, fixing and connecting point indicator on derail switch if necessary. The work shall be done as per extant practice on NWR & the instruction of Railway Engineer at site. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Execution. (the unit is Per turn-out)	Turn-out	5.00	2567.55	12837.75

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

8	06011400	Supply of William Stretcher Insulation Set (complete) as per RDSO/SPN/168/2005 with insulating bush and washer to suit point layout and conforming to RDSO Drg.No.T-10372 or latest, T-10368 or latest and T-10371 or latest. 1.1 Insulation for Leading stretcher bars(BG) each set comprising of (a) Insulating plate for leading insulated stretcher bars BG as per RDSO Drg.No.T-10384 - 2 Nos. (b) Insulating bushing for leadingg insulated stretcher bars for BG as per RDSO Drg.No.T-10535- 4 Nos. (c) Insulating Washer for insulated stretcher bar BG as per RDSO drg.No.T-10371 - 6 Nos. 1.2 Insulation for following stretcher bars BG. Each set comprising of: (a) Insulating side plate for insulated stretcher bars BG as per RDSO Drg.No.T-10367 - 3 No. (b) Insulating bushing for insulated stretcher bars BG as per RDSO Drg.No..T-10368 - 6 Nos. (c)Insulating washer for insulated stretcher bars BG as per RDSO Drg.No.T10371 - 12 Nos Inspection: (i) RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Set	500.00	386.13	193065.00
9	06011500	Supply of 110V DC motor with 400V AC immunity as per Specification No. IRS:S:37/82 Inspection: RDSO Inspection Charges: Borne by Railways Payment Terms: 100% after Supply.	Numbers	11.00	19180.48	210985.28
10	06011600	Removal of existing point motor and installation of immunised motor. Note: Supply of motor is not included in this item. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after execution.	Numbers	3.00	2928.57	8785.71
					<b>Total</b>	<b>10713265.34</b>
<b>Item- 7</b>	Chapter 7: Track Circuit equipments, HASSDAC, MSDAC etc.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	07010100	Supply of Track feed Battery Charger as per RDSO Specn. No.IRS: S-89/2013 Ver.1.0 or latest. Charging Capacity Rating 10 Amps for Charging 80 AH Battery. Inspection: RDSO Inspection Charges: Borne by Railways Payment Terms: 100% after Supply.	Numbers	100.00	4505.12	450512.00
2	07010200	Supply of Adjustable Track Feed Resistance 30 Ohms (Disc Type) as per RDSO Drg. No.SA-20161-66/M or latest. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after Supply.	Numbers	100.00	1439.17	143917.00

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

3	07010300	Fixing and wiring of DC track circuit equipments i.e. track feed charger, resistance, track relay, battery, B type choke etc., in the Apparatus Case and battery box as per standard practice. Termination of tail cable on M 6 / Screw less terminals WAGO or FINOLEX or similar approved make teminals/ fuse blocks / HRC fuse. Item includes testing /commissioning of track circuit. Complete wiring material will be supplied by contractor. (Supply of Track feed battery charger, track feed battery, resistances & 'B' type choke & Track relays, ARA terminal/Modular terminals wago/phoenix contact type will be supplied by Railways / covered in Schedule separately). Inspection: Consignee Inspection Charges: None Payment Terms: 100% after execution.	Per Track Circuit	80.00	6354.01	508320.80
---	----------	--	-------------------	-------	---------	-----------

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

4	07010400	<p>Installation of DC track circuits covering all types of Track circuits including points zones also. The item includes provision of doubled continuity GI wire bonds on rail joints after drilling bond-hole of 7.0/7.2mm dia, skimming of fish plate, insertion of insulated block joint( if required), fixing of TLJB (separate for positive &amp; negative rails) with angle iron for track feed/jumper/track relay ends of track circuits and also for fixing jumper cables as per approved Track Circuit Plan, making rail connections through suitable insulated sleeves from TLJB at TF, jumper &amp; TR end with GI wire, rail clips for fixing bond wire on the TLJB as per standard practice, termination of tail cables on TLJB terminals etc. TF/TR wiring shall be fixed on the suitable arrangement on PRC sleepers with the help of Hooks. In case Engineer at site desires that jumpering from TLJBs is to be done using signalling cable 2 coreX 2.5 sqmm , contractor shall provide the jumpering cable using 2 X 2.5 sqmm signalling cable. The signalling cable will be supplied by Railways. Hooks shall be provided on PRC sleepers with the help of suitable steel bracket. This item also includes fixing &amp; supply of channel pins, Hooks etc. The item does not include includes supply of TLJB as per RDSO Drg.No.RST-11509 or latest as per technical specs Installation of of Track Lead Junction Box(TLJB) as per Drg.No.RST-11509 or latest made from FRP material including brass bolts and hylam board sheet with terminals etc. (a) Installation and commissioning of TLJB complete with cover to be in black/red having approximate weight of 4.0 Kg with L-262mm W-212mm and H 90 mm and all the holes required for mounting on FRP stump (vertical two for each FRP angle) HDPE pipe , cable etc. (b) Installation and commissioning of Each TLJB having two bakelite terminal block fitted horizontally : each bakelite terminal block shall have two nickel chrome plate M10 brass terminal, 50mm long. Alongwith each TLJB , nickel chrome plated brass links(two nos. Of adequate strength for vertical linking of the terminals to be wired and fixed properly. (c) Installation of HDPE pipe of size 32/35mm , 380 mm long alongwith two nuts for fixing on the TLJB hole . (d) Installation of the FRP stump for mounting the TLJB to be made of one meter long 30mm X30mmX 4mm angle(2 nos.) and 300mm long 30mm X30mmX 4mm angle(1 no.) fixed at 50 mm from the bottom using galvanised nuts and bolts. The TLJB and the angles for stump should be fixed in given holes on them for fixing using galvanised nuts and bolts . Inspection: Consignee Inspection Charges: None Payment Terms: 100% after execution.</p>	Per Track Circuit	80.00	7952.90	636232.00
---	----------	--	-------------------	-------	---------	-----------

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

5	07010500	Supply of Track Lead Junction Box(TLJB) as per Drg.No.RST-11509 or latest made from FRP material including brass bolts and hylam board sheet with terminals etc. The technical specifications are as follows: (a) TLJB complete with cover to be in black/red having approximate weight of 4.0 Kg with L-262mm W-212mm and H 90 mm and all the holes required for mounting on FRP stump (vertical two for each FRP angle) HDPE pipe , cable etc. (b) Each TLJB shall have two bakelite terminal block fitted horizontally : each bakelite terminal block shall have two nickel chrome plate M10 brass terminal, 50mm long.Alongwith each TLJB , nickel chrome plated brass links(two nos.Of adequate strength for vertical linking of the terminals to be supplied. (c) HDPE pipe of size 32/35mm , 380 mm long alongwith two nuts for fixing on the TLJB hole . (d) The FRP stump for mounting the TLJB to be made of one meter long 30mm X30mmX 4mm angle(2 nos.) and 300mm long 30mm X30mmX 4mm angle(1 no.) fixed at 50 mm from the bottom using galvanised nuts and bolts.The TLJB and the agles for stump should come alongwith holes on them for fixing using galvanised nuts and bolts of adequate strength to be supplied alongwith TLJB drawing no. 11509. Inspection: (i) RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Numbers	300.00	1778.40	533520.00
6	07010600	Erection, Fitting and Rail connection of Track Lead Junction Box on two supports (FRP stumps ) with contractor's fixing material .This will include drilling of holes for track lead/side connections on rail. The work shall be done as per instructions of Rly engineer at site. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after execution.	Numbers	300.00	1315.64	394692.00
7	07010700	Supply of B Type Choke as per RDSO Specn.No.IRS:S-65/83 (Amnd. 1) or latest. Inspection: RDSO Inspection Charges: Borne by Railways. Payment Terms: 100% after supply.	Numbers	100.00	4098.94	409894.00
8	07010800	Supply of Channel Pins MS (Galvanized) single groove, 7 mm suitable for 4mm dia bonding wire as per spec No IRS S 17 & RDSO Drg No. S-69/M. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after Supply.	Numbers	10000.00	5.69	56900.00
9	07010900	Supply of GI wire 8 SWG (4mm dia) suitable for track circuit rail bonding. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after Supply.	Kg	1000.00	66.01	66010.00

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

10	07011000	Provision/Installation of bonding with GI wire 4mm dia ( 8 SWG) for track jumper & fish plate joints bonds. This will include drilling of 7.0/7.1/7.2 mm dia holes in rails (4 Nos.) and provision of two jumpers for each bond, clipping of bonds etc. with contractors own tools as per instruction of Rly. Engineer at site. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after Execution.	Numbers	1000.00	179.82	179820.00
11	07011100	Supply of Hydrometer, Exide make or similar for measuring specific gravity of Battery Graded acid with mounting stand in location Boxes. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after Supply.	Numbers	125.00	257.21	32151.25
12	07012600	Installation testing & commissioning of High Availability Single Section digital axle counter (HASSDAC) single section type system complete with track devices and other associated accessories. This include fixing of device, relays, wiring, lacing /dressing, cable termination with lug eyelet, drilling holes in rails, Installation of track devices and make it functional along with existing UFSBI/blockinstrument. Material required other then supply item of HASSDAC in item no. 7.25 of SOR shall be arranged by contactor to make it functional. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Commissioning.	Set	4.00	19999.83	79999.32
13	07013000	Supply of Standard Tool kits, Test and Measuring instruments required for Installation, testing, commissioning & maintenance of HASSDAC. Kit will includes all tools & measuring instruments as per ANNEXURE (Annexure shall be attached with Tender Document) Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply.	Set	3.00	126868.56	380605.68
14	07013700	Installation, testing and commissioning of SSBPAC(Digital) for Single Line/Double lineas per RDSO Specification No. RDSO/SPN/175/2005 Ver. 1 or latest alongwith station master block panel alongwith DTMF based Electronic Block Bell & Block Telephone equipment as per specification No RDSO/SPN/191/2005(Ver. 0) or latest , Microprocessor Lighting & Surge protection Devices for power line 24 DC Class-C, Lighting & surge protection devices for DATA Line Class-D,EKT for Shunt Key as per Drg. no. SA-22601/Alt.4 & IRS: S-21/2001 and associated data cable including wired relay rack without relays.( Required relays for this item will be supplied by Railways) Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after commissioning.	Numbers	6.00	171852.45	1031114.70



**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

15	07013800	Supply of Automatic Media changeover Card for SSBPAC(D) which includes One Voice Modem Circuit and One E1 Converter Circuit, for working on redundant channels for data transmission on OFC/Quad. Necessary Lightning & Surge protection devices for data lines need to be provided. Inspection: RDSO Inspection Charges: Borne by Railways. Payment Terms: 100% after Supply.	Pair	3.00	107188.70	321566.10
16	07013900	Installation and commissioning of Automatic Media changeover Card for SSBPAC(D) which includes One Voice Modem Circuit and One E1 Converter Circuit, for working on redundant channels for data transmission on OFC/Quad. Necessary Lightning & Surge protection devices for data lines need to be provided. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after commissioning.	Pair	3.00	26797.18	80391.54
					<b>Total</b>	<b>5305646.39</b>
<b>Item- 8</b>	Chapter-8: LED Main & Subsidiary signals, CLS units, Route Indicators & foundation etc.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	08010400	Installation of LED signals lamps for auxiliary/subsidiary signals/main signals (i.e. route, shunt , calling on, Red , Yellow, Green) as per instructions given by engineer incharge. The contractor will supply all materials required for installation. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Commissioning.	Numbers	660.00	178.89	118067.40

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

2	08010500	Supply of Colour Light Signal Complete. This includes: - (1). Post Tubular 140 mm Dia, as per IRS: S-6/81 or Latest & RDSO Drg. No. SA-24625 (Advance). (2). Cl Base (As per IRS S-10 & RDSO Drg. No. 2011/M with latest assembly). (3). Number plate to Drawing No. S 23149 Alt.1 =1 No , Number plate clamps to Drawing No. S 23148 Alt.1 =2 no (4). Ladder Assembly, as per RDSO Drg. No. SA-23156, with Base, Ladder Guard rail (complete) to Drawing No. SA 23138 Alt.1(1No), Platform to Drawing No. SA 23134 Alt.1(1 No), Front Maintenance Platform, MS Supporting bracket to Support Ladder.Ladder stay (small) to Drawing No. S 23159 Alt. 1 (2 Nos.) , Ladder stay (large) to Drawing No. S 23160 Alt. 1 (2 Nos.) , Ladder section to Drawing No. SA 23157 Alt. 1(1 Nos.)Stay clamp to Drawing No. SA 2062/M (2 no), Rail Clamp to Drawing No. S 2066/M (1 No.) (5). Signal Front Staging Complete Assembly for CLS Unit. (6). Signal back staging as per extent NWR Practice. Note: Note: Height of the Post shall be 5.5 Long. Inspection: (i)RDSO/RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Numbers	70.00	10791.46	755402.20
3	08010600	Supply of Offset brackets for Main Signal, made of tubular steel, outer diameter 140 mm, thickness of pipe 4.5 mm. horizontal length of pipe 545 mm & vertical length of pipe 324 mm with fixing arrangement on Main Signal post as per Drawing No SW/554/G/R Inspection: (i)RDSO/RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Numbers	10.00	4462.49	44624.90
4	08010700	Supply of Offset brackets for Shunt Signal, made of tubular steel, outer diameter 89 mm, thickness of pipe 4.5 mm. horizontal length of pipe 324 mm & vertical length of pipe 324 mm with fixing arrangement on Shunt Signal post as per Drawing No SW/354/I Inspection: (i)RDSO/RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Numbers	2.00	4336.16	8672.32

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

		Erection of CLS Post with base and signal unit on top or on OFFset Bracket, fixing of front and back staging, ladder and guards, signal name plates / boards if any with contractor's own brackets and fixing materials. This also includes erection of auxiliary signals like calling on, shunt signal if any. The work shall be done as per instructions of Rly engineer at site. It also includes provision & fixing of maintenance platform as per design given by Engineer -In-Charge at site. The Item includes cutting of Signal post if required by Site In charge. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Commissioning.				
5	08010801	2/3/4 aspect signal unit mounted on offset bracket with junction type route indicator 1/2/3/4/5/6 or multilamp lamp route indicators/Stencil type rout indicator mounted on signal post.	Numbers	15.00	3227.65	48414.75
6	08010802	2/3/4 aspect signal unit mounted mounted directly on signal post.	Numbers	50.00	2187.43	109371.50
7	08010900	Supply of Non Metallic (FRP) colour light signal housing multi unit type for railway signaling suitable for RE area TWO Aspects. Complete without lenses, lamps and signal transformer as per RDSO DRG. No. SA 23001/A/M Adv. Alt-S and as per SPEC. No. RDSO/SPN/194/2006 (Rev 2.0) or latest and FRP material as per RDSO SPEC. No. RDSO/SPN/151/1997 or latest. Inspection: (i)RDSO/RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Numbers	44.00	26768.11	1177796.84
8	08011000	Supply of Non Metallic (FRP) colour light signal housing multi unit type for railway signaling suitable for RE area THREE Aspects. Complete without lenses, lamps and signal transformer as per RDSO DRG. No. SA 23001/A/M Adv. Alt- S and as per SPEC. No. RDSO/SPN/194/2006 (Rev 2.0) or latest and FRP material as per RDSO SPEC. No. RDSO/SPN/151/1997 or latest. Inspection: (i)RDSO/RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Numbers	24.00	28042.78	673026.72

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

9	08011100	Supply of Non Metallic (FRP) colour light signal housing multi unit type for railway signalling suitable for RE area FOUR Aspects. Complete without lenses, lamps and signal transformer as per RDSO DRG. No. SA 23001/A/M Adv. Alt- S and as per SPEC. No. RDSO/SPN/194/2006 (Rev 2.0) or latest and FRP material as per RDSO SPEC. No. RDSO/SPN/151/1997 or latest. Inspection: (i)RDSO/RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Numbers	7.00	29954.79	209683.53
10	08011200	Supply of Position Light Shunt Signal Unit Complete with Post(made of GI Pipe of 80 mm Diameter Medium Class IS Spec. No. IS: 1239 Pt. 1/1990, Base, Hood, Cover etc as per Drg. No. SA-23840 suitable for LED Signal Lighting Unit.(Supply of LED Unit is not covered in this item) Inspection: (i)RDSO/RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Set	40.00	4297.47	171898.80
11	08011300	Erection of Position Light Shunt signal with Base, Post, Signal unit and fixing of Number Plates. The work shall be done as per instructions of Rly engineer at site. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Commissioning.	Numbers	40.00	1779.99	71199.60
12	08011400	Supply of Position Light Shunt Signal Unit Complete, with offset bracket, hood, Cover etc as per Drg. No. SA-23840 suitable for LED Signal Lighting Unit.(Supply of LED Unit is not covered in this item)Inspection: (i)RDSO/RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Numbers	40.00	3358.53	134341.20
13	08011500	Erection of Position Light shunt signal on Offset bracket on main signal. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Commissioning.	Numbers	40.00	1967.77	78710.80

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

14	08011800	Supply of Junction route indicator unit 3 ways (Without Lenses & Holder) as per Drg. No. RDSO SA 23403 suitable for LED Signal Lighting Unit & as IRS:S-66/84 amndt-1 or latest.(Supply of LED Unit is not covered in this item) Inspection: (i)RDSO/RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Numbers	18.00	24051.47	432926.46
15	08012200	Supply of multi lamp Route indicator (LED double digit) from 1 to 19 with white LED along with housing as per specification. For 1 to 19 (double digit) MLRI . two digits LED route indicator capable of displaying 1 to 19 routes and route 'G'. visibility of 300 metres in clear day light. Option for white, chromaticity as per BS:1376 standard. Built with robust AlinGap, InGan LEDs junction temperature more than 100% BOC. Lamp proving compatible with normal bulb type multi lamp route indicators . Retrofits the existing conventional multi lamp type route indicators housing . Input operating voltage 110V AC +25%. Uniform intensity over entire operating range. Operting temperture - 10%B0 C to + 60%B0 C. Inspection: (i)RDSO/RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Numbers	8.00	66032.52	528260.16
16	08012300	Fixing of Junction type Route Indication 1-Way/2-Way/3-Way/4-Way/5-Way/6-Way on the top of the signal post. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Commissioning.	Numbers	18.00	590.67	10632.06
17	08012400	Supply of Calling ON Signal Unit with Brackets & Fixing accessories. Calling On Signal Unit shall conform to RDSO Drg no 24351(Adv) Alt1 suitable to LED Signal Lighting Unit. Inspection: (i)RDSO/RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Numbers	8.00	2550.48	20403.84

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

18	08012600	Fixing of Calling-on Signal/A-Sign/AG-Sign unit on signal post. The item includes fixing of Co- On signal /'A' sign/ 'AG' sign unit on signal post with bracket, hood etc. Item includes supply of bracket & fixing materials etc. by the contractor. The item also includes termination of cables & wiring inside Co- On signal /'A' sign/ 'AG' sign unit as per standard practice. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Commissioning.	Numbers	6.00	2325.14	13950.84
19	08012800	Supply of Different warning Boards / Calling on Board used for Railway Signalling system as per RDSO Drg. No. SA2380 (Adv). This includes Painting and retro reflective arrangement should be as per SEM. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply.	Numbers	20.00	4637.76	92755.20
20	08012900	Fixing of Stop Board, Block section limit Board, Shunting Limit Board, goods warning board , Calling on Board with contractors own material. This excludes supply of Stop Board / Block section limit Board / Goods warning board/Calling on board. The work shall be done as per instruction of Rly Engineer at site. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after installation.	Numbers	20.00	334.60	6692.00
21	08013000	Supply, Fabrication and fixing of Signal Number Plate( CSTE Drg No CSTE/6186) , 'A' Marker (Drg No. CSTE/6180), 'AG' Marker (Drg No. CSTE/6181), 'P' Marker (Drg No. CSTE/6182), Arrow Marker (Drg No. CSTE/6183), 'G' Marker (Drg No. CSTE/6184), 'C' Marker (Drg No. CSTE/6185). marker disk on signals as per standard practice All material required for this work shall be supplied by Contractor. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after installation.	Numbers	250.00	1223.46	305865.00
22	08013100	Supply and fixing of protective screen of expanded metal 12 SWG of size 1200 x 1500 mm on signals as per std. practice in RE Area. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after installation.	Numbers	15.00	5087.65	76314.75
23	08013200	Casting of CC Foundation for Signal Post in the ratio of 1:3:6 as per Drg.No.CSTE/NWR/SOR/21/A using standard size of foundation/galvanized holding down bolts required for erection of colour light signal post. Item includes excavation, ramming of CC using vibrator, curing and plastering with 1:4 cement-sand mixture (aggregate will not exceed 3.8 cm). Aggregate, cement, sand and holding down bolts will be supplied by contractor. Any machines & tools, if required for execution of this item, will be arranged/provided by contractor. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after installation.	Numbers	70.00	9361.50	655305.00

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

24	08013300	Casting of C.C. Foundation for Position Light Shunt Signal/ Indicator/SPI as per Drg.No.CSTE/NWR/SOR/ 22 in ratio 1:3:6 by using standard size of galvanized holding down/foundation bolts. Item includes excavation, ramming of CC using vibrator, curing and plastering with 1:4 cement sand mixture. Aggregate cement, sand and holding down bolts, will be supplied by contractor. Any machines and tools, if required for execution of this item, will be arranged/provided by contractor. Note: As per available site conditions, if sizes of foundations are required to be decreased/ increased and same has been approved/agreed by engineer incharge then variation in CC work will be calculated on volumetric basis as per rates of these items. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after installation. ."	Numbers	45.00	6310.26	283961.70
<b>Total</b>						<b>6028277.57</b>
<b>Item- 9</b>	Chapter-9: Level Crossing Gates, Interlocking of LC gates, ELBs, Accessories etc.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	09010100	Supply of Electrically Operated Lifting Barrier complete set suitable for 110VDC/24V DC (option to be specified in tender specifically of either 110 V DC or 24V DC)supply without hand generator back up & motorized boom locking arrangements as per RDSO Spec. SPN/208/2012 with latest amendment. One set consisting 02 Nos of Barriers of length 09.76 Mtrs. along with Spares & tool kit mentioned in RDSO Spec. SPN/208/2012 clause 10.1 & 10.2 as below 10.1 Following spares shall be supplied alongwith each set (02 nos.) of Electric lifting barrier as per requirement of the purchaser i) GI boom - 1 no. complete. ii) Belt - 1 no. iii) Crank handle - 1 no. iv) Motor Contactor - 1 no. v) Motor protection MCB- 1 no. vi) Push button complete- 2 nos. vii) Limit switch - 3 nos. (1 lever type and 2 top roller type) viii) Fuses used - 2 sets 10.2 Tool kit consisting of standard sizes of wrinch/ spanner and Allen keys should also be supplied with each set (02 nos.) of Electric Lifting barrier. Inspection: RDSO Inspection Charges: Borne by Railways. Payment Terms: 100% after Supply.	Set	3.00	433500.01	1300500.03
2	09010200	Installation, testing and commissioning of electrically operated lifting barrier, complete with Casting of cement concrete foundation for pedestal and boom rest post, cabling, power supply connection & wiring with complete outdoor work as per approved drawing, wiring etc. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Commissioning	LC Gate	3.00	46739.49	140218.47

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

3	09010300	Supply of Yellow Retro reflective sheet for LC Boom prismatic grade reflective sheets of size 305 x 290 mm one set consist 18 pieces. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% on Supply	Set	30.00	1707.15	51214.50
4	09010400	Supply of Dual Tone Bell /Buzzer with Flasher arrangement and 20 Watt horn working on 24 V DC/ 110 V AC for warning road users at LC gates. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply	Set	7.00	5188.92	36322.44
5	09010500	Supply of (02) nos. electrical lifting barrier booms of 9.76 meter each as per DRG RDSO/S 11600 . The material will be as per RDSO Specn.No.RDSO/SPN/208/2012/Ver.2.0 and Amendment 1 or latest. Inspection: Consignee subject to procurement from RDSO approved supplier. Inspection Charges: None. Payment Terms: 100% after Supply	Set	15.00	25128.93	376933.95
6	09010600	Supply of Sliding type mechanical Boom barrier assembly 11 to 12 Meter Long, movement drive mechanism, resetting & supporting stand suitable for Mechanical/Electrical level crossing gate as an emergency arrangements as per Drg. mentioned in the tender document. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after supply	Set	3.00	136768.89	410306.67
7	09010700	Installation & commissioning of Sliding booms with E type lock and KLCR. This includes wiring of KLCR, running of cables, necessary painting & transportation of materials from store to site. All material required to commissioning of slide booms on gate will be supplied by the contactor. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Commissioning	LC Gate	3.00	15308.58	45925.74
8	09010800	Casting of CC foundations in the ratio of 1:3:6 for sliding boom as per Drg. Minimum 10 Nos of foundation per set shall be cast using standard size holding down bolts & nuts for erection. Item include excavation, ramming, curing and plastering 1:4 cement and sand mixture. Aggregate, cement, sand and holding down bolts & nuts to be supplied by the contactor. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after installation	LC Gate	3.00	29388.02	88164.06
					<b>Total</b>	<b>2449585.86</b>
<b>Item- 10</b>	Chapter-10 : Panel room equipments, VDUs(Video Display Units), Fire alarm equipments, Furnitures					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>



**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

1	10010900	Supply of professional LED VDU monitor of display size 75 inch. spec - diagonal size 75",Type 120Hz , slim direct LED blu, resolution 3840-2160, (4K UHD), pixel ; pitch mm ) 0.143X0.429mm, brightness type; 300 nit, RGB - DVI-D, display port 1.2, (i) (HDMI 2.0) ,stereo mini jack, DVL-HDMI, USB 2.0X2, RS232C(IN/OUT), RJ45, processor , CORETES A72, 1.7GHz, Quad core CPU, make samsung model no. QB75H, LG,Sony or similar. Inspection: Consignee Inspection Charges:None Payment Terms: 100% after Supply.	Numbers	2.00	305060.00	610120.00
2	10011100	Supply of Office Chair make Godrej CH-7B or similar of reputed brand. Inspection: Consignee Inspection Charges:None Payment Terms: 100% after Supply.	Numbers	10.00	2518.62	25186.20
3	10011200	Supply of Office Revolving Chair Godrej Make Model No.9u02r Bravo Or Similar of reputed brand. Inspection: Consignee Inspection Charges:None Payment Terms: 100% after Supply.	Numbers	3.00	7681.04	23043.12
4	10011300	Supply of Office table with laminated top with three drawers on left hand side and one locker on the right hand side. Olive brown with duplicate keys.Make: Godrej Model T-9 (136.5 cmX68cmX 75cm)or Superior of reputed brand. Inspection: Consignee Inspection Charges:None Payment Terms: 100% after Supply.	Numbers	3.00	15037.72	45113.16
5	10011400	Supply of Steel Plain Almirah with 4 adjustable slavesSize: 1980mm height, 915 mm width and 485 mm depth.Make: Godrej Storewel Plain Large or Similar of reputed brand. Inspection: Consignee Inspection Charges:None Payment Terms: 100% after Supply.	Numbers	3.00	16271.42	48814.26
6	10011700	Supply of Microprocessor based Networkable Analogue Addressable up to 64 nodes 1 Loop Fire Alarm Control panel with LCD display, the panel should be equipped with sufficient nos. of loop as per RDSO Specification No. RDSO/SPN/217/2018 ver 2.0 or latest. Each loop shall have capacity of 127 analogue addressable devices in 1 loop, the panel shall have sufficient nos. of programmable relay control for controlling AHU's, pressurisation fans, ventilation fans at fire pump room, monitoring of fire sprinkler & sealed lead acid batteries sufficient for 24 Hours normal working & then capable of operating the system for 24 Hours during Emergency conditions as required. The panel shall have provision of connectivity of BACNET/ MODBUS/ LONWOK/TCP-IP. The panel shall have dedicated RS232 serial port for direct PC or MODEM connection, optional remote printer as per RDSO Specification No. RDSO/SPN/217/2018 ver 2.0 or latest Inspection: RDSO Inspection Charges:Borne by Railways Payment Terms: 100% after Supply.	Numbers	6.00	50166.35	300998.10

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

7	10011800	Installation ,Testing and Commissioning of Microprocessor based Networkable Analogue Addressable up to 64 nodes 1 Loop Fire Alarm Control panel with LCD display, the panel should be equipped with sufficient nos. of loop as per RDSO Specification No. RDSO/SPN/217/2018 ver 2.0 or latest. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after commissioning.	Numbers	6.00	12541.59	75249.54
8	10011900	Supply of Probe type bimetallic Heat Sensor/Fixed cum ROR 90 degree with required module to be communicated with main fire Alarm Panel as per RDSO Specification No. RDSO/ SPN/ 217/ 2018 ver 2.0 or latest Inspection: RDSO Inspection Charges:Borne by Railways Payment Terms: 100% after Supply.	Numbers	2.00	5367.29	10734.58
9	10012000	Installation ,Testing and Commissioning of Probe type bimetallic Heat Sensor/Fixed cum ROR 90 degree with required module to be communicated with main fire Alarm Panel as per RDSO Specification No. RDSO/ SPN/ 217/ 2018 ver 2.0 or latest Inspection: Consignee Inspection Charges: None Payment Terms: 100% after commissioning	Numbers	2.00	1341.82	2683.64
10	10012100	Supply of intelligent Analogue Addressable Multi-Sensor type smoke detector with inbuilt fault isolator and integral response indicator with 360 degree viewing angle. Detector shall communicate 3 danger levels for differentiated alarm activation and high tolerance to dust, dirt, temperature fluctuations and air current. Detector should have unique address for communication and assigned through panel with mounting base as required with the protection category of IP 40. All items as per RDSO Specification No. RDSO/ SPN/ 217/ 2018 ver 2.0 or latest. Inspection: RDSO Inspection Charges:Borne by Railways Payment Terms: 100% after Supply.	Numbers	80.00	2737.45	218996.00
11	10012200	Installation, testing and commissioning of intelligent Analogue Addressable Multi-Sensor type smoke detector with inbuilt fault isolator and integral response indicator with 360 degree viewing angle as per RDSO Specification No. RDSO/ SPN/ 217/ 2018 ver 2.0 or latest. Inspection: Consignee Inspection Charges:Borne by Railways Payment Terms: 100% after commissioning	Numbers	75.00	684.36	51327.00
12	10012300	Supply of Analogue Addressable Manual Call Point with integral short circuit isolator, Analogue addressable protocol having status LED for alarming & standby mode, Electronically addressed) as per RDSO Specification No. RDSO/ SPN/ 217/ 2018 ver 2.0 or latest Inspection: RDSO Inspection Charges:Borne by Railways Payment Terms: 100% after Supply.	Numbers	7.00	2865.44	20058.08

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

13	10012400	Installation ,Testing and Commissioning of Analogue Addressable Manual Call Point with integral short circuit isolator, Analogue addressable protocol having status LED for alarming & standby mode, Electronically addressed) as per RDSO Specification No. RDSO/ SPN/ 217/ 2018 ver 2.0 or latest Inspection: Consignee Inspection Charges: None Payment Terms: 100% after commissioning	Numbers	6.00	716.36	4298.16
14	10012500	Supply of UV/IR Type Flame detector with required module to communicate on main fire alarm panel as per RDSO Specification No. RDSO/ SPN/ 217/ 2018 ver 2.0 or latest. Inspection: RDSO Inspection Charges:Borne by Railways Payment Terms: 100% after Supply.	Numbers	2.00	53605.32	107210.64
15	10012600	Installation ,Testing and Commissioning of UV/IR Type Flame detector with required module to communicate on main fire alarm panel as per RDSO Specification No. RDSO/ SPN/ 217/ 2018 ver 2.0 or latest. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after commissioning	Numbers	1.00	13401.33	13401.33
16	10012700	Supply of Linear Heat Sensing (LHS) cable as per RDSO Specification No. RDSO/ SPN/ 217/ 2018 ver 2.0 or latest Inspection: RDSO Inspection Charges:Borne by Railways Payment Terms: 100% after Supply.	Metre	1200.00	599.26	719112.00
17	10012800	Installation of Linear Heat sensing (LHS) cable as per RDSO Specification No. RDSO/ SPN/ 217/ 2018 ver 2.0 or latest Inspection: Consignee Inspection Charges: None Payment Terms: 100% after execution.	Metre	1200.00	149.82	179784.00
18	10012900	Supply of LHS interface module as per RDSO Specification No. RDSO/ SPN/ 217/ 2018 ver 2.0 or latest. Inspection: RDSO Inspection Charges:Borne by Railways Payment Terms: 100% after Supply.	Numbers	1.00	25189.84	25189.84
19	10013000	Installation of LHS interface module as per RDSO Specification No. RDSO/ SPN/ 217/ 2018 ver 2.0 or latest. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after execution.	Numbers	1.00	6297.46	6297.46
20	10013100	Supply of Air Sampling Type detector shall use LASER type. This type of detector shall use piping or tubing distribution network that shall run from the detector to the area as to be protected. It should be supplied with required module & Power supply unit complete as a system with all accessories like pipes, Sampling points etc as per RDSO Specification No. RDSO/ SPN/ 217/ 2018 ver 2.0 or latest Inspection: RDSO Inspection Charges:Borne by Railways Payment Terms: 100% after Supply.	Set	1.00	115235.80	115235.80

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

21	10013200	Installation ,Testing and Commissioning of Air Sampling Type detector (it shall use LASER type) as per RDSO Specification No. RDSO/ SPN/ 217/ 2018 ver 2.0 or latest. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after commissioning	Set	1.00	28808.95	28808.95
22	10013300	Supply of intelligent Addressable Loop Powered Sounder cum beacon with base inbuilt fault isolator with protection category of IP42 and duly approved as per RDSO Specification No. RDSO/ SPN/ 217/ 2018 ver 2.0 or latest Inspection: RDSO Inspection Charges:Borne by Railways Payment Terms: 100% after Supply.	Numbers	7.00	6435.92	45051.44
23	10013400	Installation, testing and commissioning of intelligent Addressable Loop Powered Sounder cum beacon with base inbuilt fault isolator with protection category of IP42 and duly approved as per RDSO Specification No. RDSO/ SPN/ 217/ 2018 ver 2.0 or latest Inspection: Consignee Inspection Charges:None Payment Terms: 100% after commissioning.	Numbers	6.00	1608.98	9653.88
24	10013500	Supply of FRLS unarmoured/armoured cable(2Cx1.5 sq.mm) with all accessories for connection of all Fire Alarm devices as per RDSO Specification No. RDSO/ SPN/ 217/ 2018 ver 2.0 or latest Inspection: RDSO Inspection Charges:Borne by Railways Payment Terms: 100% after Supply.	Lot	6.00	27324.36	163946.16
25	10013600	Installation ,Testing and Commissioning of FRLS unarmoured/armoured cable(2Cx1.5 sq.mm) with all accessories for connection of all Fire Alarm devices as per RDSO Specification No. RDSO/ SPN/ 217/ 2018 ver 2.0 or latest Inspection: Consignee Inspection Charges: None Payment Terms: 100% after commissioning.	Lot	6.00	6831.09	40986.54
26	10013700	Supply of CO2 type fire extinguisher capacity 4.5 Kg capacity ISI Mark IS: 15683 operating temperature (-30) ° to (50) ° for class 13 B type of fire with 1 mtr. Hose pipe fitted with PVC bend horn complete in all respect. Inspection: (i) RITES if value of item in work more than 5 lakhs or as per extant policy (ii) Consignee if value of whole item in work less than 5 lakhs or as per extant policy Inspection Charges:(i) Borne by Railways (ii) None Payment Terms: 100% after Supply.	Numbers	15.00	5301.70	79525.50
					<b>Total</b>	<b>2970825.38</b>
<b>Item- 11</b>	Chapter-11: Apparatus case, Outdoor installation, Fuses, ARA Terminal, Hylam Sheet, Phenolic Laminated sheets.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

1	11010100	Supply of Apparatus Case Single(Large) NE Rly Type as per Drg. No. CSTE/6088 fitted with two nos of E Type lock (ward No will be specified by Engineer-in Charge) as per RDSO Drg. No. SA 3376 and Key to Drg. No. 3377 as per RDSO drawing No. RDSO/S-11500. Note: This item includes the supply of 2 Nos E Type Lock fitted on both doors, along with two Keys. Inspection: (i) RITES if value of item in work more than 5 lakhs or as per extant policy (ii) Consignee subject to procurement from RECOMMENDED LIST OF FIRMS FOR MECHANICAL SIGNALLING ITEMS if value of whole item in work less than 5 lakhs or as per extant policy Inspection Charges:(i) Borne by Railways (ii) None Payment Terms: 100% after Supply.	Numbers	180.00	14945.53	2690195.40
2	11010200	Installation of Apparatus Cases Single(Large) with 'E' type lock on CC foundation. This includes filling of location foundations with river bed sand and plastering on top of the sand. Supply of 'E' Type lock has been covered in supply of Apparatus case separately. It covers fixing of lamp holder , switch and lamp etc. in Apparatus Case. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after installation.	Numbers	180.00	1039.09	187036.20
3	11010300	Supply of Apparatus Case half (Medium) NE Rly Type as per Drg. No. CSTE/6088 fitted with two nos of E Type lock (ward No will be specified by Engineer-in Charge) as per RDSO Drg. No. SA 3376 and Key to Drg. No. 3377 as per RDSO drawing No. RDSO/S-11507. Note: This item includes the supply of 2 Nos E Type Lock fitted on both doors, along with two Keys. Inspection: (i) RITES if value of item in work more than 5 lakhs or as per extant policy (ii) Consignee subject to procurement from RECOMMENDED LIST OF FIRMS FOR MECHANICAL SIGNALLING ITEMS if value of whole item in work less than 5 lakhs or as per extant policy Inspection Charges:(i) Borne by Railways (ii) None Payment Terms: 100% after Supply.	Numbers	119.00	9439.40	1123288.60
4	11010400	Installation of Apparatus Cases Half (Medium) with 'E' type lock on CC foundation. This includes filling of location foundations with river bed sand and plastering on top of the sand. Supply of 'E' Type lock has been covered in supply of Apparatus case separately. It covers fixing of Location lamp holder , switch and lamp etc. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after installation.	Numbers	119.00	632.78	75300.82

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

		Excavation and Casting of Apparatus Case foundation in ratio 1:3:6 with contractor's own materials including cement and galvanized anchor bolts of standard size. The required scaffolding Ferma etc for Casting of foundation will have to be brought by the contractor at his own cost.The item also includes additional masonry work as well as earthwork if required on bank where there will be possibilities of foundation sinked, fallen or tilted. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after installation.				
5	11010801	Single (Large) Case Apparatus case / SS location box as per Drg No. CSTE/5074	Numbers	180.00	6888.92	1240005.60
6	11010802	Half (Medium) Case Apparatus case / SS location box as per Drg No CSTE/5074	Numbers	119.00	5259.16	625840.04
7	11010900	Supply of Phenolic laminated Sheet, grade P3 in standard size of 1220 X 1220 x 20 mm as per spec. No IS 2036 of 1995 or latest. Test report of manufacture to be supplied. Inspection: (i) RITES if value of item in work more than 5 lakhs or as per extant policy (ii) Consignee Inspection Charges:(i) Borne by Railways (ii) None Payment Terms: 100% after Supply.	Numbers	60.00	9563.45	573807.00
8	11011000	Supply of Phenolic laminated Sheet, grade P3 in standard size of 1220 X 1220 x 12 mm as per spec. No IS 2036 of 1995 or latest. Test report of manufacture to be supplied. Inspection: (i) RITES if value of item in work more than 5 lakhs or as per extant policy (ii) Consignee Inspection Charges:(i) Borne by Railways (ii) None Payment Terms: 100% after Supply.	Numbers	145.00	4855.13	703993.85
		Fabrication and fixing of phenolic laminated sheet of size 10/12/20 mm thick in location box by providing all fixtures as per Railway Drawing including fixing of PVC coated string rods at the back side for cable support with contractor's own materials. The work shall be done as per instructions of Rly engineer at site. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after installation.				
9	11011201	Single Case (Large Case)	Numbers	180.00	2344.49	422008.20
10	11011202	Half Case (Medium Case)	Numbers	115.00	684.00	78660.00
11	11011300	Fixing of ARA(M-6) Terminals /Screw less connectors / modular disconnect terminal blocks and fuse blocks on phenolic laminated sheets and fixing by stainless steel/brass nuts & bolts. This includes provision of two additional holes on the board on either side for cable conductor entry.(Supply of all above terminals have been covered separately in Chapter 4 of SOR) Inspection: Consignee Inspection Charges: None Payment Terms: 100% after installation.	Numbers	30000.00	12.52	375600.00

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

12	11011800	Supply of two pin Lamp holder Bakelite type for Apparatus Cases (ISI mark of reputed make) Inspection: Consignee Inspection Charges: None Payment Terms: 100% after supply	Numbers	250.00	44.39	11097.50
13	11011900	Supply of Miniature 'E' type lock complete with keys as per RDSO Drg. No. SA 3473, 3373 & spec. IRS(S) 30/64. Ward to be specified by Engineer - in - charge. Inspection: Consignee. Inspection Charges: None. Payment Terms: 100% after supply.	Numbers	30.00	2026.96	60808.80
14	11012000	Fixing of KLCR relays in field in half location boxes if Gate lodge is not provided or at any other location as decided by engineer in charge. Item includes supply and fixing of MS sheet and wiring of KLCR relays, push buttons and LEDs for KLCR circuit. The KLCR relays, push buttons, LEDs will be fixed on a MS sheet of min. 3mm in the half location box. The MS sheet will cover full length and breadth of the half location box and divided in two pieces of approx. 48cm x 46cm and 80cm x 46cm. The first piece to be fitted on top and will contain the KLCR relays, LEDs and push buttons. The second piece to be fitted below the first piece. (Supply of KLCR relays covered in separate item of SOR). Inspection: Consignee Inspection Charges: None Payment Terms: 100% after installation.	Numbers	20.00	2193.20	43864.00
					<b>Total</b>	<b>8211506.01</b>
<b>Item- 12</b>	Chapter-12: Cable laying material, Cable protection, Cable execution, Jointing Kits items etc.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	12010200	Supply of Medium class GI pipes 100 mm dia(4.5 mm thickness) as per IS 1239 ( Part 1 ) : 2004 with coupling on culverts bridges as per Drg.No.CSTE/NWR/SOR/06 to 12 or at any other locations as decided by Site Engineer. It includes supply of all material required for fixing arrangement. Contractor will also supply flexible/corrugated HDPE pipe at the end of GI pipe to protect the cables from sharp edges and sudden bends. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply.	Metre	450.00	760.66	342297.00
2	12010300	Fixing of Medium class GI pipes 100 mm dia(4.5 mm thickness) as per IS 1239 ( Part 1 ) : 2004 with coupling on culverts bridges as per Drg.No.CSTE/NWR/SOR/06 to 12 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.	Metre	450.00	190.17	85576.50

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

3	12010400	Supply of Medium class GI pipes 50 mm dia(3.6 mm thickness) as per IS 1239 ( Part 1 ) : 2004 for use in ASM room and at any other location as decided by Site Engineer. It includes supply of all material required for fixing arrangement. At the ends of GI pipe, flexible/corrugated HDPE pipe will be provided by contractor to protect cables from sharp edges and sudden bends. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply.	Metre	150.00	390.52	58578.00
4	12010500	Fixing of Medium class GI pipes 50 mm dia(3.6 mm thickness) as per IS 1239 ( Part 1 ) : 2004 for use in ASM room and at any other location as decided by Site Engineer. It includes installation of all material required for fixing arrangement. At the ends of GI pipe, flexible/corrugated HDPE pipe along with any masonry work(if required) will be provided by contractor to protect cables from sharp edges and sudden bends. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Installation.	Metre	150.00	97.63	14644.50
		Supplying and placing of one layer of standard size of B grade quality bricks of the local make spreading on cables laid.(minimum size of brick 200mm X 100mm X 70mm) Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Installation.				
5	12010601	Lengthwise (up to 2 cables).(Unit is per RM Running Meter)	Metre	2500.00	14.80	37000.00
6	12010602	widthwise ( more than 2 cables).(Unit is per RM Running Meter)	Metre	15000.00	31.87	478050.00



**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

7	12010700	Supply of Double Walled Corrugated (DWC) HDPE Pipe/duct with associated collars etc. as per RDSO Specification No. RDSO/SPN/204/2011 or latest anti-rodent & anti-oxidant and non flame propagating type in 6 meters straight length and of size 120 mm outer dia,& 103.5 mm inner dia. (The manufacturers, suppliers must produce valid IS license and should be certified under ISO 9000 and shall submit copy of certificate). One of the following coupling arrangements should also be supplied with each pipe as per the site requirement. 1) Suitable snap fit coupler with rubber O-Ring 2) Spacers 3) Tees 4) Bend, 5) End-cap (The total quantity of above items is equal to no. of pipes supplied.) DWC pipe shall be marked at every 1 mtr length in such a way that manufacturer's name, vendor name and year of manufacture can be easily identified. Inspection: (i) RDSO/RITES if value of item in work more than 5 lakhs or as per extant policy (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs or as per extant policy Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% after Supply	Numbers	1450.00	1798.20	2607390.00
8	12010800	Supply of Double Walled Corrugated (DWC) HDPE Pipe/duct with associated collars etc. as per RDSO Specification No. RDSO/SPN/204/2011 or latest anti-rodent & anti-oxidant and non flame propagating type in 6 meters straight length and of size 50 mm outer dia, & 38 mm inner dia. (The manufacturers, suppliers must produce valid IS license and should be certified under ISO 9000 and shall submit copy of certificate). One of the following coupling arrangements should also be supplied with each pipe as per the site requirement. 1) Suitable snap fit coupler with rubber 'O-Ring 2) Spacers 3) Tees 4) Bend, 5) End-cap (The total quantity of above items is equal to no. of pipes supplied.) DWC pipe shall be marked at every 1 mtr length in such a way that manufacturer's name, vender name and year of manufacture can be easily identified. Inspection: (i) RDSO/RITES if value of item in work more than 5 lakhs or as per extant policy (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs or as per extant policy Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% after Supply	Numbers	450.00	360.78	162351.00

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

9	12010900	Supply of Double Wall Corrugated (DWC)-HDPE pipe/duct of size 200 mm outer dia, & 175 mm inner dia. It includes supply of Double Wall Corrugated -HDPE pipe/duct as per RDSO Specn.No. RDSO/SPN/ 204/2011 (version 1.1) or latest and conforming to ISI Spec. No.IS:14930, Part-II. (The manufacturers, suppliers must produce valid IS license and should be certified under ISO 9000 and shall submit copy of certificate). One of the following coupling arrangements should also be supplied with each pipe as per the site requirement. 1) Suitable snap fit coupler with rubber O-Ring 2) Spacers 3) Tees 4) Bend, 5) End-cap DWC pipe shall be marked at every 1 mtr length in such a way that manufacturer's name, vendor name and year of manufacture can be easily identified. Inspection: (i) RDSO/RITES if value of item in work more than 5 lakhs or as per extant policy (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs or as per extant policy Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% after Supply	Metre	1500.00	383.47	575205.00
10	12011500	Supply of RCC pipes of 150mm internal dia (2 meter long) along with collars as per IS No. 458/2003 of NP type. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply	Metre	150.00	250.38	37557.00
11	12011600	Placing of DWC HDPE/RCC/GI pipes along with collars in trenches at places near track and road, crossings, platform cuttings etc. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Execution(Unit is RM running meter.)	Metre	14500.00	29.59	429055.00
12	12011700	Supply of Half Round RCC pipes & collars of 300 mm outer dia & 250 mm internal dia (2 meter long) along with collars as per IS No. 458/2003 of NP type Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply.	Numbers	100.00	678.31	67831.00
13	12011800	Supply of Half Round RCC pipes & collars of 150 mm internal dia (2 meter long) along with collars as per IS No. 458/2003 of NP type Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply.	Numbers	100.00	333.46	33346.00
14	12011900	Laying of half round RCC pipe after laying the cables in the trenches. (Cable laying is covered separately) Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Execution.(Unit is RM running meter)	Metre	300.00	21.62	6486.00
15	12012000	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: RDSO Inspection Charges: Borne by Railways Payment Terms: 100% after Supply	Numbers	50.00	2148.73	107436.50

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

16	12012100	Joining of 4 / 6 quad /Signaling cable with Heat Shrinkable straight through Joining Kit. All the material required for the work are to be arranged by contractor himself at his own cost except Thermo shrinkable Joint Kit/Rapid Joint kit. After jointing the cable through test such as insulation test, continuity cable losses etc. to be carried out jointly with Railway Engineer. If any defect or any damage is observed during jointing, the contractor has to redo the joint free of cost. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Execution	Numbers	40.00	1157.45	46298.00
17	12012200	Horizontal direction drilling/boring without damage of surface road /track using Auger Machine(HDD machine). The bore shall be upto 200 mm dia & shall be done at the depth of minimum 1200 mm from the ground level. The ground level shall be considered ignoring the bank height of the bank of the road. The length of the bore shall be minimum 4 Mtrs long. This include insertion of different dia DWC-HDPE pipe/ GI pipes coupling etc. as per direction of Engineer In charge. Note:- Pipe Supply is not covered under this item. Contactor shall provide all material required for boring and adequate nos. of labours for proper laying of cables into the bore. Cable shall be laid cautiously so that it should not get damage due to rough handling & pressure on cable. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Execution.	Metre	2300.00	1202.97	2766831.00
18	12012300	Horizontal Drilling by using manual pushing method at minimum depth of 1.5 meter below the formation level of earth as per decision of Engineer in charge .Pipe Supply is not covered under this item Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Execution	Metre	1600.00	122.74	196384.00
19	12012500	Supply of RCC cable route marker engraved and painted on both side along the route at every 50 meter and route diversion as per Drg. No 4014/00/CC4 or latest/ Stone marker. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply	Numbers	300.00	328.68	98604.00
20	12012600	Transportation at site and Installation of RCC cable route marker engraved and painted on both side along the route at every 50 meter and route diversion as per Drg. No 4014/00/CC4 or latest/ Stone marker. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Execution	Numbers	300.00	82.17	24651.00

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

21	12013200	Transferring of Signaling/Telecom cables from existing Location box to New Location box . The work include breaking/ Dismantling of Existing foundation of locations, excavating and removing / segregating coils of 2C/6C/12C/19C/24C/30C/Quad cables which may be about 10 mtrs. in length. These cables are to be disconnected and removed from the existing location one by one as per the instruction and under the supervision of Railway staff present at site. The cable is then to be inserted and terminated in new location box. The item includes neatly dressing of cable, making wiring tree etc.The material required to dressing /lacing will be arranged by contactor. The work is required to be done systematically and with due precaution during the block or disconnection within the time that may be allowed. The excavation work to be done carefully without damaging the cable to avoid undue failure. (Termination charges will be given separately). Note: Proportionate payment will be made if cable of other length. One No unit = One cable of 10 m length) Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Execution	Numbers	325.00	361.92	117624.00
22	12013300	Shifting of Exposed cables. The item includes Removal of exposed cable from existing trench & laying the same in new trenches. Digging, Placing of capping/Half round RCC pipe covered separately. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Execution	Kilometre	7.00	6860.47	48023.29
23	12013700	Excavation of cable trench as per cable route plan, 1.2 Mtr. deep and of 0.3 Mtr. to 0.6 Mtr. wide at bottom as per RDSO sketch No. SDO/CABLE LAYING/003 or latest alongside the track in normal (all type) soil/strata, conforming to distances as per cable route plan and refilling. This work includes clearing of route from bushes etc, covering of cable laid in trench by loose soil for a layer of 50mm thickness approximately before covering by bricks. The work shall be done as per the extant practice on North Western Railway and instructions of Railway Engineer at site. In case 1.2m depth of trench is not achievable due to site conditions, specific approval of JA grade officer will be required for each site where trench depth of 1.2m is not possible. Without the approval of JA Grade officer, no payment for trenching will be made for trench depth less than 1.2m. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Execution( Unit is Cubic Meter)	cum	4300.00	274.28	1179404.00

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

24	12014000	Digging of cable pit (min 2x2x1m) as per instruction of Site Engineer, supplying and filling of sand before and after coiling the cables, covering top of the cable pit with stones and providing brick masonry on all four sides of the cable pit and plastering thereafter. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Execution	Numbers	7.00	12506.58	87546.06
25	12014100	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(unit is RM running meter)	Metre	455000.00	9.10	4140500.00
26	12014200	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(Unit is cubic meter)	cum	15.00	3628.26	54423.90
27	12014300	Providing brick masonry in ratio 1:6 cement and mortar including plastering with 1:4 cement and sand mixture both sides, 20 mm thick each with contractor's owned class II bricks, including excavation, curing, grouting, bolting etc. wherever required. Bricks sand and cement to be supplied by the contractor. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Execution(Unit is cubic meter)	cum	15.00	1990.54	29858.10
					<b>Total</b>	<b>13832950.85</b>
<b>Item- 13</b>	Chapter-13: Earthing, Measuring Instruments, Multimeter, Earth Tester, Clamp meters, Fault Locators, ELD(Earth Leakage Detector) etc.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	13010100	Supply of Earth Leakage Detector (ELD) 12 Channels as per RDSO Specn.RDSO/SPN/256/2002 or latest. Inspection: RDSO Inspection Charges:Borne by Railways Payment Terms: 100% after Supply.	Numbers	6.00	158443.22	950659.32

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

2	13010200	Wiring, installation, testing and commissioning of Earth Leakage Detector (ELD) 12 Channels as per RDSO Specn.RDSO/SPN/256/2002 or latest. This includes supply of fuse terminal strip for incoming power supply wires. On job training at site will be given by OEM engineer for installation and maintenance of ELD. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after commissioning.	Numbers	6.00	39610.81	237664.86
3	13010300	Supply of basic material to construct unit maintenance free earth as per RDSO Specs. No RDSO/SPN/197/2008 or latest and conforming to RDSO Drg.No.SDO/ RDSO/E&B/001 dtd.19.09.08 . It consist of following: (a) Copper bonded steel electrode of 3.0 m long, 17.2 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. © 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.	Lot	35.00	17530.73	613575.55

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

4	13010400	<p>Installation of Unit Maintenance Free Earth as supplied under item no. 13.3 of Chapter 13 of SOR . 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 micrones 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 Specn.No.RDSO/SPN/ 197/2008 or latest and conforming to RDSO Drg.No.S DO/RDSO/E&amp;B/001 or latest. Inspection: Consignee Inspection Charges: None Payment Terms: 100% after execution and testing.</p>	Set	35.00	7861.68	275158.80
---	----------	---	-----	-------	---------	-----------

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

5	13010700	<p>Provision of Ring Earth for EI system which includes supply of all components of earthing &amp; bonding system like earth electrode, earth enhancement material, earth pit, equipotential earth busbar, connecting cables and tape/strips and other associated accessories in accordance with RDSO Spec.No.RDSO/SPN /197/2008 or latest consisting minimum 8 Nos. of earth pits connected in a ring to achieve less than 1 Ohms earth resistance for connecting EI equipments, relay racks, panel, power equipments as per Signal Engineering Practice. Diagram of ring earth should be supplied to Railway for Approval before execution. All related material as recommended by RDSO in Specn. No.RDSO/SPN /197/2008 or latest, will be supplied by the contractor. basic material for one earth pit is given below: (a) Copper bonded steel electrode of 3.0 m long, 17.2 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. © 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. (f) 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) (g) 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 ) (h) Supply of 10 sq. mm multi strand single core PVC insulated copper cable as per IS: 694 for connecting various equipments to SEEB (i) Supply of copper lug sleeve for 3/16 cable Note:Earthing arrangement for EI must be as per RDSO guidelines issued by RDSO vide RDSO TAN no. STS/E//TAN/3006 dated 02.11.2012 or latest. Inspection: Consignee Inspection Charges:None Payment Terms: 100% after Supply.</p>	Station	6.00	151992.97	911957.82
---	----------	---	---------	------	-----------	-----------



**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

6	13010800	Installation, testing and commissioning of Ring Earth for EI system which includes installation of all components of earthing & bonding system like earth electrode, earth enhancement material, earth pit, equi- potential earth busbar, connecting cables and tape/strips and other associated accessories in accordance with RDSO Spec.No.RDSO/SPN /197/2008 or latest consisting minimum 8 Nos. of earth pits connected in a ring to achieve less than 1 Ohms earth resistance for connecting EI equipments, relay racks, panel, power equipments as per Signal Engineering Practice. Diagram of ring earth should be supplied to Railway for Approval before execution. Installation of one earth pit 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:Earthing arrangement for EI must be as per RDSO guidelines issued by RDSO vide RDSO TAN no. STS/E//TAN/3006 dated 02.11.2012 or latest. Inspection: Consignee Inspection Charges:None Payment Terms: 100% after commissioning.	Station	6.00	37998.24	227989.44
7	13011000	Supply of Digital Multimeter of Fluke 287 Industrial or superior True RMS with temperature, Analog bar graph, Digital display, Backlight, 1000V AC/DC, measure up to 10A, 20A for up to 30 second . Inspection: Consignee Inspection Charges:None Payment Terms: 100% after Supply.	Numbers	8.00	44045.61	352364.88

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

8	13011100	Supply of Professional AC/DC clamp meter 3 ¾ digit , true RMS measurement, For Measurement of DC/AC currents up to 1000A, Voltage up to 600V, resistance up to 40 M and frequency up to 1 MHz with set of leads & carrying case. Model - DCM 39A or equivalent/ higher make Motwane/Stanlay/Fluke/Megger Inspection: Consignee Inspection Charges:None Payment Terms: 100% after Supply.	Numbers	10.00	13946.28	139462.80
9	13011200	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 equivalent / higher version make Motwane/Stanlay/Fluke/Megger. Inspection: Consignee Inspection Charges:None Payment Terms: 100% after Supply.	Numbers	1.00	84854.46	84854.46
10	13011300	Supply of electronic Cable route tracer/locator with underground cable and pipe locating receiver and cable avoidance tool that provide location of armoured OFC , signalling and telecom , power cable etc. make : C Scope Stanley/3M Dynatel , model: DXL-4 DBG /2273M-iD 30 or superior. Inspection: Consignee Inspection Charges:None Payment Terms: 100% after Supply.	Numbers	2.00	416265.75	832531.50
11	13011400	Supply of Road Measuring Cycle, made of Aluminum with 05 digit counter, foldable with bag. Inspection: Consignee Inspection Charges:None Payment Terms: 100% after Supply.	Numbers	4.00	4298.60	17194.40
12	13011500	Supply of Digital Cable Insulation Tester for measurement of cable insulation resistance with auto range 0-500 V DC. Motwani or from any reputed make. Inspection: Consignee Inspection Charges:None Payment Terms: 100% after Supply.	Numbers	8.00	8689.42	69515.36
13	13011700	Supply of Cable Fault Locator to localize the faults of underground cables. Aplab make (Model No.3049) OR C Scope Stanley make( Model TS-90) or superior from any reputed make. It also includes supply of all accessories required to localize faults of underground cables. Inspection: Consignee Inspection Charges:None Payment Terms: 100% after Supply.	Numbers	1.00	57230.47	57230.47
14	13011800	Supply of Digital Earth Resistance Tester for measurement of earth resistance with 3.5 digital LCD, 12.5 mm screen segment and Range -0.5 Ohms to 500 Ohms. WACO or from any repudiated make. Inspection: Consignee Inspection Charges:None Payment Terms: 100% after Supply.	Numbers	8.00	8758.40	70067.20
					<b>Total</b>	<b>4840226.86</b>
<b>Item- 14</b>	Chapter 14: Miscellenous Signalling items, Painting, lettering.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

1	14010100	Supply of E type locks complete with keys as per RDSO Drg.No.SA-3376, 3377 & Spec.No.IRS(S) 30/64 or latest. Ward to be specified by Engineer-in-charge. Inspection:Consignee subject to procurement from RECOMMENDED LIST OF FIRMS FOR MECHANICAL SIGNALLING ITEMS if value of whole item in work less than 5 lakhs Inspection Charges: None Payment Terms: 100% after Supply	Numbers	10.00	1827.93	18279.30
2	14010200	Supply of seal plier as per sample got approved from site engineer incharge. Inspection:Consignee Inspection Charges: None Payment Terms: 100% after Supply	Numbers	15.00	1052.83	15792.45
3	14010300	Supply of Vacuum Cleaner, Eureka Forbes or from any reputed make only as per specification given below:- Voltage-230V AC,50Hz, Input Power(IEC)-1000 Watt, Suction of the motor 1700 mm of water column , Airflow-30 litres/second, Dust collection capacity-61(dry), 81(wet), Variable power option-2 Speed, Blower function, Air filtration-2 Stage, Hepa filter, Dust collection type-Washable dust bag, On board accessory storage. Inspection:Consignee Inspection Charges: None Payment Terms: 100% after Supply	Numbers	1.00	22344.97	22344.97
4	14010400	Supply of Safety lock Godrej or Navtal make size as approved by site engineer. Inspection:Consignee Inspection Charges: None Payment Terms: 100% after Supply	Numbers	30.00	111.94	3358.20
5	14010500	Supply of hand cuff lock Godrej or Navtal make size as approved by site engineer. Inspection:Consignee Inspection Charges: None Payment Terms: 100% after Supply	Numbers	800.00	344.34	275472.00
6	14010600	Supply of Obstruction test piece 3mm/5mm as per sample approved by Engineer incharge. Inspection:Consignee Inspection Charges: None Payment Terms: 100% after Supply	Numbers	13.00	2460.28	31983.64
		Painting of two coats of synthetic enamel paint over one coat of primer on the following after scraping & cleaning surface wherever necessary with contractor's own supply of paints. Wherever required contractor shall apply coating of epoxy paint also as per instructions of site-in-charge. Epoxy paint will be supplied by Railways.NOTE:- The paint and primer should be from Asian Paints/ Nerolac / Dulux / Berger. The primer / enamel paints (Aluminum synthetic, black enamel, brilliant white and yellow) will be as per (IS 5660 of 1970) / (IS 2932 of 1974). Inspection:Consignee Inspection Charges: None Payment Terms: 100% after Execution				
7	14010801	Apparatus Case Full Size. (Outside & inside)	Numbers	150.00	253.80	38070.00
8	14010802	Apparatus case Half Size. (Outside & inside)	Numbers	100.00	229.90	22990.00

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

9	14010804	Main Signal Post with Signal Units, Surface base and complete fittings as per North Western Railways standard practice.	Numbers	30.00	350.53	10515.90
10	14010805	Shunt signal post with signal unit, surface base as per North Western Railway's Standard Practice.	Numbers	20.00	219.65	4393.00
11	14010807	Point Machine with ground connections complete (Point Machine with Black enamel only outside and ground connections with Red Oxide)	Numbers	50.00	106.98	5349.00
12	14010809	Painting & Lettering of power operated lifting barriers (ELB)includes Operating console, Aluminum Lifting barriers of 24 fit long, 2 pedestal driving & driven mechanism, 2 Electric motors , 2 stop boards, 2 Nos Boom light, 2 Nos of Boom rest & Boom locking arrangements etc.(All Items at one LC gate to be taken as one LOT)	Numbers	1.00	3237.89	3237.89
13	14010900	Finishing walls with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications with two or more coats applied @ 1.25ltr/10 sqm. Over and including one coat of Special primer applied @ 0.75 ltr/10 sqm. Inspection:Consignee Inspection Charges: None Payment Terms: 100% after Execution	Sqm	500.00	70.20	35100.00
		Lettering / Numbering Termination particulars, equipments names etc., legibly and neatly inside location boxes. This includes supply of paints of Asian Paints/ Nerolac / Dulux / Berger make. Inspection:Consignee Inspection Charges: None Payment Terms: 100% after Execution				
14	14011001	Full Case.	Numbers	150.00	119.50	17925.00
15	14011002	Half Case	Numbers	100.00	81.94	8194.00
16	14011200	Dismantling of Concrete foundation/ Demolishing RCC/CC/Stone work /Cutting Tarcarpenting/ CC Flooring/ Precast concrete slab/ Brick work including leading the debries inside Railway limit or outside Railway limit as directed by site in charge. This work to be done by contactors with his own vehicle and labour. Inspection:Consignee Inspection Charges: None Payment Terms: 100% after Execution (the unit is Cubic Meter)	cum	10.00	584.98	5849.80

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

17	14011700	Complete painting and varnishing work at a station (5/6 or more Line). This includes painting of signal posts and fittings, apparatus cases, point machines, junction boxes, rail post etc. This also includes varnishing, letter writing on relays, terminal Nos., apparatus cases, point machine, Signal Nos. and other details as per Signal Engineering Manual and instructions of Engineer at site. The item includes painting of distances of main cable run from G.P nearest to cable run and painting of distances of signals from nearest line on the signals base. At least two coats of paint is to be applied besides primary coating of red oxide. This includes supply of paints, varnishes and all other material required for complete painting work at a station. This includes painting on existing functional units also. The painting shall consist of initial red oxide / base paint followed by at least two coat of the paint as per standard painting scheme. This item also includes painting of interlocked gate attached to the station. Location box no. shall be painted on both sides. Inspection:Consignee Inspection Charges: None Payment Terms: 100% after Execution	Station	1.00	50626.69	50626.69
18	14011800	Dismantling of existing lever frames/signal fittings/point fittings/lifting barriers (within station limit)/indoor and outdoor equipment and all other released material of S&T at way side station (5/6 Line or more line). All the released material will be transported to the place/location as decided by site engineer. The item includes i). Mechanical Signalling gears like levers, down rods, locking trough, Rodding, wire transmission, signal posts and hoods etc. ii). Electrical Signalling gears like relays, batteries, indicators, SM slide control and all released wire transmission for slot, telephone, selector control and their related items etc. Inspection:Consignee Inspection Charges: None Payment Terms: 100% after Execution	Station	1.00	74615.60	74615.60
19	14011900	Hiring of JCB machine(in good condition) for levelling and dressing ground/ dismantling structures including disposal of debris through dumpers etc with contractors labour , JCB machine , machine operator, fuel etc. The contractor shall arrange for road permit for all the states for operation as per instructions of engineer incharge and vehicle shall not be more than 3 years old . Payment shall be made for actual working hrs at site. Inspection:Consignee Inspection Charges: None Payment Terms: 100% after Execution	Hour	200.00	1090.59	218118.00

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

20	14012700	Supply & fixing of Crank Handle Box & SM's key box of size 450 mm x 250 mm x150 mm and made of 12 mm thick teakwood with a glass front, lock and sealing arrangement. All material like lock, teakwood, handles, hinges, glass sheet of 3 mm thick will be supplied by the contractor. Box will be polished and description will be written as per instructions of Engineer in charge. Inspection:Consignee Inspection Charges: None Payment Terms: 100 % after Execution	Numbers	6.00	1830.92	10985.52
21	14012800	Supply & fixing of KLCR boxes & fixing of KLCR Relays in ASM office. It includes supply of any minor bracket, nuts, bolts, teakwood, sun mica, lock, drilling hole etc as directed by engineer at site. It also includes supply and wiring of push buttons along with LEDs for KLCR circuit. Rly will supply only KLCR relays and contractor has to wire KLCR relays. It includes supply of all the related wiring material. Inspection:Consignee Inspection Charges: None Payment Terms: 100 % after Execution	Numbers	1.00	1722.47	1722.47
					<b>Total</b>	<b>874923.43</b>
<b>Item- 15</b>	Chapter- 15: Telecom items(Conference system, IPIS, OFC equipments, Control equipments, LC gate phones etc.)					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	15010100	Supply of UTP CAT-6 cable in a roll of 305 meter and make Siemen/ Systemax / Panduit/ Tyco/ Krone/ AMP. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply.	Metre	6100.00	18.74	114314.00
2	15010200	Supply of 4/2 wire combined Portable Light Weight Emergency control telephones of metal body with 6-pin plug as per IRS-TC-75/99 (Amnd 4) or latest. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply.	Numbers	2.00	3316.73	6633.46
3	15010600	Supply, preparation, splicing and installation of straight joint for 24 fibers along with enclosures with heat shrinkable splice protection sleeve as per TEC Specn.G/OJC-02/01 March- 99 or latest. Splice losses in no case should be more than 0.1 dB. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Execution	Numbers	5.00	12752.20	63761.00

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

4	15010700	Supply of managed SDH (STM-1 Add/Drop MUX and upgradeable to STM-4) fully wired for 2 X 63 MB and equipped for 21E1s and a Virtual Container (VC)-12 with STM-1(L1.1) aggregate interface including power supply, order wire, Ethernet card, sub rack, inbuilt DDF, installation material and all other accessories, manuals etc. as per TEC. Specification GR SDH 04/02, March 02 or with latest amendment. The contractor will supply all other accessories as mentioned in the above said TEC Specifications and system will have provision of different redundancy cards as per the TEC Specifications. Note: It shall be possible to increase capacity from 21E1 to 63 E1s by adding / inserting tributary cards. This includes connecting all pig tails, optical patch cords etc. to the SDH equipment. This also includes connecting the SDH equipment with all cards to the 48V Bus including supply of wires and connectors. Termination of all E1s on DDF taking PVC cable over runway or a wall. At the terminal station, one port may be disabled if required as per instructions given by site engineer incharge. Inspection:(i) RDSO if value of item in work more than 5 lakhs or as per extant policy (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs or as per extant policy Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% after Supply.	Numbers	1.00	193957.98	193957.98
5	15011100	Supply of Pre-lubricated HDPE duct, 40 mm OD, 33 ID as per RDSO specification No. RDSO/SPN/TC/45/2013 Rev. 2.0 or latest. The item also includes supply of all the accessories of HDPE duct like end caps, collars, bends, couplers etc. Inspection: (i) RDSO/RITES if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Kilometre	67.00	48313.26	3236988.42
6	15011200	Laying of Pre-lubricated HDPE duct, 40 mm OD, 33 ID as per RDSO specification No. RDSO/SPN/TC/45/2013 Rev. 2.0 or latest. The item also includes installation of all the accessories of HDPE duct like end caps, collars, bends, couplers etc. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Execution.	Kilometre	64.00	12078.31	773011.84
7	15011300	Blowing/drawing of OFC cables in the HDPE duct along with all the protective work as per instructions of engineer incharge at site. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Execution.	Kilometre	64.00	10804.77	691505.28

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

8	15011400	Construction of brick chamber of optical fibre cable straight through joint as per Drg. No. CSTE/NWR/ SOR/23. It also includes supply and provision of all the material required for this item like bricks, sand, cement etc. The cement and sand should be in ratio 1:6. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Execution.	Numbers	30.00	5263.87	157916.10
9	15011500	Supply, installation and complete indoor wiring of 19 inch covered Rack of size 2035 mm x 600 mm x 600 mm (Approx.) as per Drg. No. CSTE/NWR/SOR/24. The rack shall be complete with all fittings for housing SDH equipments, Primary MUXES, DDF, MDF using crone modules and other equipments like runway ladders etc completely wired and equipped with integrated protection modules for all channels as per technical specifications and other stipulations of tender document. It should be possible to lock all the equipments with only order wire telephone remaining outside the rack. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Execution.	Numbers	1.00	36716.41	36716.41
10	15011700	Supply & Installation of Professional 19" Equipment Racks 12U for housing of network equipment. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Execution.	Numbers	1.00	7358.68	7358.68
11	15011800	Supply & Installation of 19" Rack 17U with power strip and all fitting accessories for housing of network equipment. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Execution.	Numbers	1.00	17545.25	17545.25
12	15012000	Supply of SMPS based Battery Chargers as per RDSO Spec for Telecom use 48 volts, 25 Amps in 2+1 configuration modules of 25 Amps with ultimate expandable capacity 50 Amps, automatic switching between the modules as per RDSO Spec No. RDSO/SPN/TC/23/1999 version 4 or latest along with two potential free contacts. Inspection: (i) RDSO if value of item in work more than 5 lakhs (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs as per extant instructions by Railway Board. Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% on Supply	Numbers	1.00	127514.14	127514.14
13	15012200	Supply of Module for SMPS 25 Amps/48VDC suitable for item no 15.21 of SOR. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply.	Numbers	1.00	37035.61	37035.61
14	15012300	Supply of 48Volt/200AH maintenance free VRLA Batteries duly charged as per IRS Spec. No. S-93/96(A) with amendments-1 or latest Inspection: RDSO Inspection Charges: Borne by Railways. Payment Terms: 100% after Supply.	Numbers	5.00	77027.97	385139.85



**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

15	15012400	Installation, wiring, testing & commissioning of 48Volt/200AH maintenance free VRLA Batteries duly charged as per IRS Spec. No. S-93/96(A) with amendments-1 or latest. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Execution.	Numbers	1.00	19256.99	19256.99
16	15012500	Supply of 48V/500AH VRLA battery bank consisting of 24x2 volt 500AH VRLA cells, with required container and accessories like connectors, clamp, lugs, interlinks etc as per RDSO Spec. No. IRS-S-93/96A with Amnd.1 or latest. Inspection: RDSO Inspection Charges: Borne by Railways. Payment Terms: 100% after Supply.	Numbers	1.00	244224.00	244224.00
17	15013400	Supply of OTDR 32 DB model JDSU MTS8126SR or similar. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply.	Numbers	3.00	255404.19	766212.57
18	15013500	Supply of Fusion Splicing Machine model Fujikura FSM-60S or similar. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply.	Numbers	3.00	374955.33	1124865.99
19	15013600	Supply of Laser source and Power meter. FOD make (Source FOD 2107 and Power meter FOD 1202) or similar. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply.	Numbers	3.00	173892.57	521677.71
20	15013700	Supply of 10 Pairs Krone type D.P. box as per Tech spec, make Hensel or superior. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply.	Numbers	4.00	1232.67	4930.68
21	15013800	Fixing and wiring of 10 Pairs Krone type D.P. box as per Tech spec, make Hensel or superior. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after execution.	Numbers	4.00	308.17	1232.68
22	15013900	Supply of 20 Pairs Krone type D.P. box as per Tech spec, make Hensel or superior. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply.	Numbers	4.00	1963.08	7852.32
23	15014000	Fixing and wiring of 20 Pairs Krone type D.P. box as per Tech spec, make Hensel or superior. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after execution.	Numbers	4.00	490.77	1963.08
24	15014500	Supply of DLP trunk 80X50mm with required all changeable internal/external angle, changeable flat angle, flat junction. Clips, joint for cover, end cap etc. make Legrand or superior. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply.	Metre	200.00	654.77	130954.00

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

25	15014600	Fixing & wiring (Laying) of DLP trunk 80X50mm with required all changeable internal/external angle, changeable flat angle, flat junction. Clips, joint for cover, end cap etc. make Legrand or superior. Cable will be supplied by Railway and all other fixing material will be supplied by contractor. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after execution.	Metre	200.00	163.69	32738.00
26	15014700	Supply of DLP trunk 32X20mm with required all changeable internal/external angle, changeable flat angle, flat junction. Clips, joint for cover, end cap etc. make Legrand or superior. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply.	Metre	500.00	110.87	55435.00
27	15014800	Fixing & wiring (Laying) of DLP trunk 32X20mm with required all changeable internal/external angle, changeable flat angle, flat junction. Clips, joint for cover, end cap etc. make Legrand or superior. Cable will be supplied by Railway and all other fixing material will be supplied by contractor. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after execution.	Metre	500.00	27.72	13860.00
28	15014900	Supply of frame, surface box and white cover plates for Two modules. This also includes supply of RJ-11 Telephone sockets with level holder Jack type, RJ-45 LAN sockets Jack Type (Tool less) and blanking plates for one modules. Make: Legrand or superior. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply.	Numbers	10.00	571.96	5719.60
29	15015000	Fixing of frame, surface box and white cover plates for Two modules. This also includes fixing of RJ-11 Telephone sockets with level holder Jack type, RJ-45 LAN sockets Jack Type (Tool less) and blanking plates for one modules. Make: Legrand or superior. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after execution.	Numbers	10.00	142.99	1429.90

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

30	15015100	Final location joint survey of proposed cable route plan(Quad/OFC Cable) and submission for approval of Railway. The details instruction/guidelines regarding joint survey and preparation of cable route plan are enclosed in Tender document. Contractor will submit two copies of prints with soft copy for checking by Railways. If alterations are suggested by Railways, then again two copies of prints will be provided for advance approval after carrying out all the alterations as submission of final cable route plan on 75 micron standard polyester film which includes details of entire section in which Quad /OFC Cables are laid. Once Railway has approved/signed tracings for cable route plan then contractor will submit 6 (Six) sets of xerox copies for cable route plan in proper binding form. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after execution.	Kilometre	12.00	985.48	11825.76
31	15016200	Supply of OFC single mode 6 fibre unarmoured cable. Make Molex/ AMP/Finolex or similar. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after supply.	Metre	3000.00	28.25	84750.00
32	15016300	Supply of Electronic LC gate telephone system in 1+6 configuration with inbuilt voice recorder . It includes supply of 'surge protection and line connection unit /circuit' and centralised power supply system with battery as per RDSO Spec no. RDSO/SPN/TC/51/2011Revision 3.0 amendment 1.0 or latest. Inspection: (i) RDSO/RITES if value of item in work more than 5 lakhs or as per extant policy (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs or as per extant policy Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% after Supply	Numbers	1.00	65503.57	65503.57
33	15016400	Installation of Electronic LC gate telephone system in 1+6 configuration with inbuilt voice recorder . It includes installation of 'surge protection and line connection unit /circuit' and centralised power supply system with battery as per RDSO Spec no. RDSO/SPN/TC/51/2011Revision 3.0 amendment 1.0 or latest. All the material required for fixing and installation of station telephone unit and gate telephone(slave telephone) will be supplied by the contractor. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after execution.	Numbers	1.00	18329.15	18329.15

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

34	15016500	Supply of LC Gate Telephone(Slave Telephone) of Electronic LC gate telephone system as per RDSO specification No. RDSO/SPN/TC/51/2011Revision 3.0 or latest. This slave telephones are compatible/suitablefor existing Master Telephones installed in section. Inspection:(i) RDSO if value of item in work more than 5 lakhs or as per extant policy (ii) Consignee subject to procurement from RDSO approved vendors if value of whole item in work less than 5 lakhs or as per extant policy Inspection Charges: (i)Borne by Railways (ii) None Payment Terms: 100% after Supply	Numbers	2.00	5370.75	10741.50
35	15016600	Supply of Emergency Socket Box made of FRP material as per RDSO Specification No. RDSO/SPN/TC/44/2002Version 2.0 Amendment No. 3 or latest. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply.	Numbers	10.00	4364.82	43648.20
36	15016700	Fabrication and erection of emergency rail post along the side of Rly track as per the location given by site engineer. It includes supply, fixing and wiring of socket box on emergency rail post. It includes supply of all the items except the Rails and Cable which will be arranged/provided by Railway. The contractor will complete all related work along with excavation if required for erection/installation of emergency rail post. 6-Pin emergency socket will be supplied as per RDSO Spen.No.IRS:TC42/87. Each socket box should have inbuilt universal lock facility with key as per sample approved by site engineer. Note: Contractor will supply the emergency socket box only after sample got approved from site engineer. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after execution.	Numbers	10.00	2249.41	22494.10
37	15016900	Painting of emergency post and sockets in sections as per instructions of the site engineer in charge. This shall include all material, labour and transportation required for painting of emergency post and sockets in section. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after execution.	Numbers	10.00	248.70	2487.00
38	15017000	Supply of VF Transformers (2T/3T), 1120/470 Ohms as per RDSO Spec. No. IRS: TC-76-2000 with Amnd. 1 or latest for emergency joints in 6-Quad Cable. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply.	Numbers	30.00	923.13	27693.90
39	15017600	Supply of wireless N 150 ADSL 2 Plus 4 port router MODEM make Techroutes/DIGISOL or superior. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply.	Numbers	50.00	1491.47	74573.50

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

40	15019400	Supply of power cable 3 core 2.5 sq mm multi strand (36/0.3 mm dia) cable as per IS 694:1990 reaffirmed 1995 or latest suitable for railway electrification area shall be of reputed make like Delton, LAPP, Finolex, or superior. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after supply.	Metre	5000.00	33.02	165100.00
41	15020700	Supply of SFP Optical/Electrical 1 Gbps or 100/1000 Mbps Electrical as required. Make: Cisco, Eoptical or similar suitable for Neon. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after Supply.	Numbers	20.00	4025.00	80500.00
42	15025800	Supply, installation and complete wiring of optical fibre cable termination box for 6 fibres complete with base housing, base mountings with fixing arrangement etc. & splicing of fibre with low loss of pigtail cables. Splice losses in no case should be more than 0.1 dB. Necessary 0dB connectors should be provided in OFC termination box. Inspection: Consignee Inspection Charges: None. Payment Terms: 100% after execution.	Numbers	10.00	3347.14	33471.40
					<b>Total</b>	<b>9422868.62</b>

**4. ELIGIBILITY CONDITIONS**

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

**Special Financial Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	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-VIII, 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)
2	Bid Capacity: The tender/technical bid will be evaluated based on bid capacity formula detailed as Annexure-V (Annexure-D of Tender Documents) of GCC April 2022 (Amended up to date). Bid capacity shall be calculated for works costing more than 20 cr. or as prescribed by the Railways through an instruction/NIT issued for the work. <a href="#">( Click here to download Format )</a>	No	No	Allowed (Mandatory)

**Standard Technical Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The tenderer must have successfully completed or substantially completed any one of the following categories of work(s) during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: (i)Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or (ii)Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or (iii)One similar work costing not less than the amount equal to 60% of advertised value of the tender.	No	No	Allowed (Mandatory)

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

1.1	Defination of Similar Work :- 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	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
1	<b>Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc.</b> Please submit a certificate in the prescribed format (please download the format from the link given below). Non submission of the certificate, or submission of certificate either not properly filled in, or in a format other than the prescribed format shall lead to summary rejection of your offer. ( <a href="#">Click here</a> to download the Format of Self Certification)

**5. COMPLIANCE**

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

**Commercial-Compliance**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	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)

**Special Conditions**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
-------	-------------	-----------------------	-----------------	---------------------

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

1	If the bidder fails to submit copy of audited balance sheet alongwith the offer then contractual turnover of that year will be treated as NIL	No	No	Not Allowed
---	---	----	----	-------------

**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

**Custom**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Railway Board (MI & MF) has now decided that "for all contracts costing more than Rs. 5 Crore, Contractor's e-MB is mandatory and Contractor's e-MB should be part of Tender Document vide railway board letter No.2017/CE-VCT/9 dated 31.05.2023.	No	No	Not Allowed
2	I/We have submitted full information in prescribed format regarding membership / employment of retired Gazetted officer and family members working in gazetted capacity in the Engineering or any other department of the railways. If no information is provided in this regard then I certify that the information shall be treated as nil. If found that information in this regard as required as per clause 16 a), b), c) of GCC-2022 has been concealed, contract is liable to be dealt in accordance with provision of clause 62 of Standard General Condition of contract.	Yes	Yes	Allowed (Mandatory)
3	The work shall be supervised by PSSA and measurement shall be carried out by the contractor's authorized engineer.	No	No	Not Allowed
4	The tenderer shall submit copy regarding status of firm i.e. sole proprietorship, partnership, Company, Society/Trust etc. and also submit a power of attorney as detailed in related Para no. 16 of Part-II of General Condition of Tender Documents.	No	No	Allowed (Mandatory)

**6. Documents attached with tender**

S.No.	Document Name	Document Description
1	TelecomCircularNo09.pdf	Telecom circular
2	JPOforCableCut.pdf	JPO of cable cut
3	Bidcapacitycertificate2.pdf	bid capacity
4	LGHfinal.pdf	Tender Documents
5	Contractore-MB.pdf	Rly Board letter for Contractor eMB
6	GCC2022AdvanceCorrectionSlipNo_6ACS-6.pdf	GCC ACS 6 21.12.2023
7	GCCApril-2022AdvanceCorrectionSlipNo_4ACS-4_1.pdf	GCC ACS 4 07.08.2023
8	GCCACS3.pdf	GCC ACS 3 26.04.2023
9	GCCACS9.pdf	GCC ACS 9 09.01.2025
10	acs5dt20-10-2023GCC.pdf	GCC ACS 5 20.10.2023
11	GCCACS114.07.2022.pdf	GCC ACS 1 14.07.2022
12	GCCACS213.12.2022.pdf	GCC ACS 2 14.07.2022
13	GCCApril-2022AdvanceCorrectionSlipNo_7ACS-7.pdf	GCC ACS 7 25.09.2024
14	GCC-2022-UPTOACS09.pdf	General Condition of Contract
15	GCCACS10.pdf	GCC ACS 10 04.03.2025
16	GCCACS81.pdf	GCC ACS 8 20.12.2024
17	LALGARHESPFOREDASNEW18-12-24_V8_JE-DRG-BKN_P66.pdf	ESP of Lalgarh Station

**BIKANER DIVISION-GATI SHAKTI/NORTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** SNT-GS-BKN-2025-26-02R

**Closing Date/Time:** 13/10/2025 15:00

---

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:** PRADEEP PUNIA

**Designation :** Dy.CSTE/GSU/BKN