

**ASANSOL DIVISION-S AND T/EASTERN RLY
TENDER DOCUMENT**

Tender No: 39-SDSTE-ASN-2022-23

Closing Date/Time: 02/01/2023 12:00

SR DSTE/ER/ASN acting for and on behalf of The President of India invites E-Tenders against Tender No **39-SDSTE-ASN-2022-23** Closing Date/Time 02/01/2023 12:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

1. NIT HEADER

Name of Work	Asansol Division: Telecom work in connection with Electronic in Motion Weighbridge at LBH.		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	02/01/2023 12:00	Date Time Of Uploading Tender	07/12/2022 14:56
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	618624.70	Tendering Section	S AND T
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money (Rs.)	12400.00	Validity of Offer (Days)	90
Tender Doc. Cost (Rs.)	0.00	Period of Completion	60 Days
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	19/12/2022	Are Joint Venture (JV) firms allowed to bid	No
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Capital (M & P)

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule A-Asansol division- Telecom work i/c with Electronic In Motion Weighbridge at LHB.							618624.70	
1	Please see Item Breakup for details.				618624.70	AT Par	618624.70	
	Description:- Telecom work i/c with Electronic In Motion Weighbridge at LHB.							

3. ITEM BREAKUP

Schedule	Schedule A-Asansol division- Telecom work i/c with Electronic In Motion Weighbridge at LHB.					
Item- 1	Telecom work i/c with Electronic In Motion Weighbridge at LHB.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	Laying of Telecom cable including meggering of all laid cable as per site engineer's instructions.	Kilometre	1.00	8077.48	8077.48
2	2	Excavation of trench in all kinds of soil (1.0 mtr. Depth 300 mm width) and refilling of the trench without Bricks and final back filling, ramming and consolidation of soil as well as the disposal of the soil, if any. 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. Note: Payment will be made as per actual work done on pro-rata basis, if the required depth is not available at site. If the depth of trench is not uniform in a span of 100 mtr. of shorter lengths along the cable run, minimum depth will be taken for that particular stretch for payment. Prior permission should be taken before laying of cable if the depth of trenching is less than 1.0 Mtr. Inspection: Consignee.	Kilometre	1.00	47500.61	47500.61
3	3	Supply, installation, commissioning of maintenance free earth as per RDSO spec. No. RDSO/SPN/197, Version 1.0 or latest and as per Drg. No. SDO / RDSO/ E&B/001 date: 19.09.08 or latest alongwith earthpit. Make: JMV LPS Ltd. /Pragati Electrocom P.Ltd./Cape Electric Private Limited.	Set	2.00	16866.87	33733.74

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4	4	Supply of Router with default 02 nos. fast ethernet, 04 port those can support HWIC,WIC with default accessories & loaded with 02 nos. HWIC 2T card working with AC & DC supply with four nos. V.35 data cable with 01 year warranty with installation, make; Cisco/similar, model; Cisco 1900 series/similar Inspection: Consignee.	Numbers	1.00	123070.73	123070.73
5	5	Supply of CAT-6 UTP RJ-45 patch cord (5mtr long) twisted stranded cable terminated with RJ45 modular plugs at both the ends. TIA/EIA-568-C.2 standard, Insulation Material : High Density Polyethylene, Outer Jacket: FR-PVC, Conductor diameter: 24 to 26 AWG, Conductor Metal : Bare Copper, Make D-Link/Similar Inspection: Consignee.	Numbers	20.00	290.00	5800.00
6	6	Supply of LAN Extender Nomus Gateway e / ES / ER / 2W G.SHDSL bis to support upto @ 5.7Mbps over on 0.5MM copper upto 3.5 Km, make: Nomous/D-link/Atrie/similar, Model: Nomus Gateway e / ES / ER / 2W or similar. Inspection: Consignee.	Pair	2.00	24855.73	49711.46
7	7	Supply of 28 port Managed switch, number of 1G Copper Ports: 24, No. of 10 G SFP Port (Uplink): 4, Throughput (MPPS):71.4, Stacking Bandwidth (Gbps): 80, Basic Layer-3 Protocol: Static Routing, RIP, PIM, OSPF and PBR, Model: Dlink DGS1510-28/similar, Make-CISCO/D-LINK/Netgear/similar.	Numbers	1.00	24840.00	24840.00
8	8	Supply and Installation of wall mount 6U Rack, Depth of the Rack; 600mm, Transparent Toughened Glass in front door, SPCC Quality Cold Rolled Steel Metal in rear door, with Secure Locks, having PDU Power Strips, Support cable entry from top or bottom, 01 Number of Fan For Heat dissipation, make: Dlink/Dynamic rack/similar. Inspection: Consignee.	Numbers	2.00	5898.96	11797.92
9	9	Supply of cable termination box: 20pairs as per IRS:TC 18-75, ver.1.0 or latest. Inspection: Consignee.	Numbers	2.00	985.12	1970.24
10	10	Fixing of CT Box 20 pair on the wall & termination of PIJF cable on it as per instruction of site engineer. All fixing arrangement to be done by contractor.	Numbers	2.00	825.00	1650.00
11	11	Supply of 1KVA Online UPS with min. 30 minute back up along with 03Nos. 12V/26Ah external battery (battery make: Exide/Quanta/similar) with terminal & all accessories set. Model: Liebert GXT MT+ CX/similar, Make: Vertive/APC/Similar Inspection: Consignee.	Numbers	1.00	26058.23	26058.23
12	12	Supply of 2 mbps modem having (V.35 + G.703) interface opertaing with AC & -48DC, with all accessories, make: MROTEK/RAID/ATRIE. Model: WITE LITE-2W/equivalent Inspection: Consignee.	Pair	2.00	21828.29	43656.58
13	13	Supply of Single Port I/O Box With Frame Plate, No. of ports (RJ 45)-01, Dough Moulding Compound (DMC) material of box, Dust protection for Face Plate, Connector type: Rj45, Minimum size of the box: 75 mm x 75 mm x 50 mm, Thickness of Material: 2.5 mm or higher for DOUGH MOULDING COMPOUND (DMC), with Provision of earthing, Make:- D-Link/Similar. Inspection: Consignee.	Numbers	50.00	175.00	8750.00
14	14	Supply of CAT6 U/UTP Cable for Indoor use, 4-pair unshielded twisted pair (UTP) cable, FR PVC Jacket, High Density Polyethylene insulation, 23 AWG solid copper conductor for superior conductivity, Conductor diameter: 0.57 mm (23 AWG), Make -Molex/D-LINK/similar Inspection: Consignee.	Metre	610.00	34.00	20740.00
15	15	Wiring of data cable through PVC pipe alongwith fixing material required for wiring (this includes supply of FIRE retardent PVC Pipe 25mmX1.5mm with ISI mark, & connection of patch panel (FDMS), fixing of cat-6 cable with RJ-45 connectors), Make: Srinath Pipe/ SRG/ Precision/ Anchor/ Astral / Similar. Inspection: Consignee.	Metre	305.00	46.73	14252.65

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16	16	Supply of Sudscriber loop interface Card, min. 4 ckts per card. Operating Voltage : - 48 V DC (Nominal). Maximum Loop resistance : 1200 Ohms minimum at a minimum feed current of 20 mA, Ring Voltage : 75 V RMS \pm 5 V, Ring Frequency : 17-25 Hz Dial Pulse Speed : 8 - 12 pps. The supplied card should be compatible with existing webfil mux in Divn. Inspection: Consignee.	Numbers	2.00	37888.15	75776.30
17	17	Supply of Exchange loop interface card, min. 4 ckts per card, Operating Voltage : - 48 V DC (Nominal) Open Loop resistance : More than 10K Ohms, Closed Loop resistance : 800-ohm max Ring Voltage detection : 15 V RMS(Minimum), Dial Pulse Speed : 8 - 12 pps. The supplied card should be compatible with existing webfil mux in Divn. Inspection: Consignee.	Numbers	2.00	37887.33	75774.66
18	18	Supply of PVC duct channel with Capping size 25mmX 25mm, with Secure and Firm Locking, Corrosion Free and Fire Retardant, make Pressfit /SGI/Rolliflex/Ganpati. Inspection: Consignee.	Metre	100.00	90.00	9000.00
19	19	Supply of Decoder card as per IRS: TC 60/2007Amdt.-1or latest for 4 wire DTMF way station control equipment. Make: Anu vidyut/Bentron/Epsilon. Inspection: Consignee	Numbers	10.00	3646.41	36464.10
					Total	618624.70

4. ELIGIBILITY CONDITIONS

5. COMPLIANCE

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Demand for the Financial Criteria, Association of Railway Officers, List of Arbitration cases, Court cases and Mandate for NEFT are to be uploaded with a scanned copy duly filled in and signed as per annexure no. IV, V, VI, VII, VIII, IX, XI, VIA, VIB, VI and Annexure-V as per GCC-2022 respectively. These Annexures are available in View Document menu at Home page and is downloadable. The details of the uploaded documents should be produced whenever demanded for verification on written request at any point of time of the tender and contract within 7 days.	No	No	Allowed (Mandatory)
2	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	Yes	Allowed (Optional)

General Instructions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Tenderers are requested to go through the following documents which are available in upload/View Documents in Home page of IREPS portal for works tenders before submitting the e-tender. 1.General Instruction for E-Tenders on works contract--Chapter- I 2.Special Condition-General- Chapter-II	No	No	Not Allowed
1.1	Opening of e-tender : 1. The e-tenders will be opened online using the IREPS portal anytime after tender closing time. No representative is required to be present for opening of e-tender and taking notes of rates quoted and ranking as the complete details of rates etc. of all the bidders shall be available to the bidders through the website after the opening of the tender. 2. The tender document cost and earnest money cost is to be paid through online banking facilities through the online portal and by giving the other details online on website www.ireps.gov.in. Note: For more details refer to Cl: 4 & 12 of General Instruction-Chapter-I for Submission of EMD, Cost of Tender Document and opening of e-tender.	No	No	Not Allowed

Special Conditions

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S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	1. Tenderer must understand the work before quoting. Submission of tender shall be deemed to have been done after careful study and examination of papers as well as work site and understanding of the implication thereof. 2. Quoted rates shall include all types of taxes (including GST), duties, carrying cost of all materials for the work including loading unloading involved in the concerned work. 3. All the supply materials to be deposited at the store of SSE/Tele/18 GHz MW/Store/ASN. 4. All material supplied by Railway as well as those supplied by the contractor have to be transported from the store of SSE/Tele/18 GHz MW Store/ ASN to the site of work by the contractor's own arrangement. 5. All released materials as well as any leftover material intact will have to be transported from the site back to the office of the SSE/Tele/18 GHz MW/Store/ASN by contractor's own arrangement. 6. Any petty material which is required for execution of the work, not mentioned in this schedule as Rly. supply, contractor has to arrange for the same as per advice of Site Engineer. 7. Items supplied by the contractor will be inspected by the authorized representative of Sr. DSTE/ASN. All the cost of inspection shall be borne by the contractor. 8. Contractor have to submit indemnity bond for safe custody and protection of railway materials during transportation (sample may be collected from office) 9. Work to be done as per advice of site engineer.	No	No	Not Allowed
2	10. The Contractor & his supervisors, staff must take proper precaution during working in Railway area to prevent any interference with existing Rly. system, working & passengers. 11. Care should be taken to avoid damage to existing gears during the work. Any damages to the Railway property shall be made good by the contractor in his own cost. 12. Payment shall be made as per extant works contract procedure based on actual work done.	No	No	Not Allowed

Technical-Compliances

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Demand for the credential criteria both Technical and Similar nature of work and other technical details are to be uploaded with a scanned copy duly filled in and signed as per annexure no. I(a), I(b), II, III. These Annexures are available in View Document menu at Home page and are downloadable. The details of the uploaded documents should be produced whenever demanded for verification on written request at any point of time of the tender and contract within 7 days.	No	No	Allowed (Mandatory)

Undertakings

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	1.0WHEREAS the President of India acting through the Eastern Railway administration and their authorised officers has invited e-tenders for the above-mentioned work vide tender notice mentioned in the NIT (Notice Inviting Tender) published in the website. 2.0AND WHEREAS I/We, have read the above NIT (Notice Inviting Tender for e-tender, General instructions, Special Conditions-General, all special conditions and have purchased this e-tender document, have carefully read and understood the same, have visited the site and have satisfied myself/ourselves as to the nature of the work and site conditions before filling this e-tender. 3.0AND WHEREAS my/our address for all communications hereinafter shall be considered as official and shall be made in the address, email Id and Mobile phone and other phone nos. given in the portal of IREPS while registering as tenderer for e-tender. In case of any change in this concerned officer of railway will be informed. 4.0AND WHEREAS I/We state that in the event of this e-tender being unsuccessful, the aforesaid earnest money deposited by me/us may be refunded to me/us through NEFT / by a crossed cheque. 5.0AND WHEREAS I/We hereby sign this e-tender document digitally by virtue of the legal authorities vested with me/us to enter into commitment on behalf of the tenderer, documentary support whereof is enclosed herewith. 6.0AND WHEREAS I/We have read and understood this e-tender document and agree to abide by the various terms and conditions contained therein. I/We also agree to keep the offer open for acceptance for a period of 90 days from the date fixed for opening of the same and in default hereof, I/We will be liable for forfeiture of my/our earnest money.	No	No	Not Allowed
2	7.0Now, therefore I/We hereby submit this e-tender and offer to do the work for the Eastern Railway at the rates quoted in the schedule through online and hereby bind myself/ourselves to complete the work in all respects within the stipulated period of completion from the date of issue of the letter of acceptance of this tender. 8.0And I/We agree to abide by the General Conditions of Contract 2022 editions and to carry out the works according to the special conditions and specifications of materials and works as laid hereunder in various chapters of this e-tender document. 9.0And I/We have understood and accept the stipulation that full value of the earnest money shall stand forfeited without prejudice to any other right or remedies if: 1. I/We do not execute the contract documents, in case my/our tender is accepted, within seven days after receipt of notice issued by the Railway that such documents are ready, or 2.I/we do not commence the work, in case my/our e-tender is accepted, within fifteen days after receipt of orders to that effect. 10.0And until a formal agreement is executed, acceptance of this tender shall constitute a binding contract between us subject to modifications as may be mutually agreed between us and indicated in the letter of acceptance of my/our offer for this work. 11.0And I/We agree to produce the details of the uploaded documents whenever demanded for verification on written request at any point of time of the tender and contract within 7 days.	No	No	Not Allowed

6. Documents attached with tender

S.No.	Document Name	Document Description
1	TENDERDOCUMENT-SNT.pdf	TENDER DOCUMENT
2	GCC_April-2022.pdf	General Condition of Contract
3	ALLANNEXURE.pdf	All Annexure
4	CHECKLIST.pdf	CHECKLIST
5	2022_CE-I_CT_GCC-2022Policy 14.07.2022.pdf	GCC2022 Correction Slip

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.

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Signed By: SHIV PRAKASH YADAV

Designation : Sr.DSTE