

**NORTHERN REGION-PROJECT/RAILTEL NORTHERN REGION
TENDER DOCUMENT**

Tender No: RailTel-NR-Proj-22-23-01

Closing Date/Time: 09/05/2022 15:00

Addl.GM/Project acting for and on behalf of The President of India invites E-Tenders against Tender No **RailTel-NR-Proj-22-23-01** Closing Date/Time 09/05/2022 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.

Contractors are allowed to make payments against this tender towards tender document cost and earnest money only through only payment modes available on IREPS portal like net banking, debit card, credit card etc. Manual payments through Demand draft, Banker cheque, Deposit receipts, FDR etc. are not allowed.

1. NIT HEADER

| | | | |
|------------------------------------|--|--|------------------------------------|
| Name of Work | Zonal Rate Contract for Trenching, Laying, Fixing, Wiring, Splicing and termination of OFC, Cat-6, Power cable & LAN Wiring with supply of various passive components in connection with delivery of various customer links under Territory of TM/DLI-NCR of RailTel/Northern Region | | |
| Bidding type | Normal Tender | | |
| Tender Type | Open | Bidding System | Single Packet System |
| Tender Closing Date Time | 09/05/2022 15:00 | Date Time Of Uploading Tender | 12/04/2022 13:32 |
| Pre-Bid Conference Required | No | Pre-Bid Conference Date Time | Not Applicable |
| Advertised Value | 34708302.35 | Tendering Section | PROJECT |
| Bidding Style | Single Rate for Tender | Bidding Unit | Above/Below/Par |
| Earnest Money (Rs.) | 694200.00 | Validity of Offer (Days) | 45 |
| Tender Doc. Cost (Rs.) | 2950.00 | Period of Completion | 12 Months |
| Contract Type | Works | Contract Category | Expenditure |
| Bidding Start Date | 25/04/2022 | Are Joint Venture (JV) firms allowed to bid | No |
| Ranking Order For Bids | Lowest to Highest | Expenditure Type | Combined (Revenue + Capital Works) |

2. SCHEDULE

| S.No. | Item Code | Item Qty | Qty Unit | Unit Rate | Basic Value | Escl.(%) | Amount | Bidding Unit |
|---|---|----------|----------|-----------|-------------|----------|-------------|--------------|
| Schedule A-Outdoor Work - Zonal Rate Contract for Trenching, Laying, Fixing, Wiring, Splicing and termination of OFC, Cat-6, Power cable & LAN Wiring with supply of various passive components in connection with delivery of various customer links under Territory of TM/DLI-NCR of RailTel/Northern Region | | | | | | | 30721678.85 | |
| 1 | 1 | 25000.00 | Metre | 65.11 | 1627750.00 | AT Par | 1627750.00 | |
| | Description:- Trenching to depth of 1.2 Mtr. & appropriate width for HDPE Duct & backfilling after laying of HDPE/OFC in trench for all types of soil except in hard and rocky soil. | | | | | | | |
| 2 | 3 | 2000.00 | Metre | 207.27 | 414540.00 | AT Par | 414540.00 | |
| | Description:- Cutting of hard rock at a depth of 0.3 meter for laying of HDPE Duct. | | | | | | | |
| 3 | 4 | 350.00 | cum | 2856.71 | 999848.50 | AT Par | 999848.50 | |
| | Description:- Concreting is to be done in rocky areas where OFC is to be protected and to keep the route marker in position . The ratio of cement sand and metal should be 1:3:6 . The depth is 0.15 meter and width is 0.3 mtrs. | | | | | | | |
| 4 | 5 | 50000.00 | Metre | 258.77 | 12938500.00 | AT Par | 12938500.00 | |
| | Description:- Horizontal Directional Drilling (HDD) by Machine at a approximately depth of 1.65/1.2 m or more below the formation level of the earth including insertion of DWC/HDPE pipes along with couplings etc. | | | | | | | |
| 5 | 6 | 1000.00 | Metre | 189.58 | 189580.00 | AT Par | 189580.00 | |
| | Description:- Trenchless boring- Horizontal direction drilling by using manual pushing method for laying of HDPE duct(40/33 mm dia) | | | | | | | |
| 6 | 6 | 77000.00 | Metre | 5.49 | 422730.00 | AT Par | 422730.00 | |
| | Description:- Laying of HDPE DUCT in Trenches and through all types of protections viz HDPE /GI/RCC Pipes etc. as the case may be. (HDPE/ OFC will be supplied by RailTel/ as supplied against this SOR). | | | | | | | |
| 7 | 7 | 85000.00 | Metre | 8.07 | 685950.00 | AT Par | 685950.00 | |
| | Description:- Blowing & drawing of OFC cable in Duct/HDPE/GI /RCC Pipes etc. | | | | | | | |
| 8 | 8 | 300.00 | Numbers | 10829.89 | 3248967.00 | AT Par | 3248967.00 | |
| | Description:- Supply and Installation of Optical fiber cable joint enclosure as per TEC spec no. GR/OJC/02/01/march 99 with latest amendment (joint enclosure shall be of TVSE,R&M , Raychem or 3M make) and splicing of Optical fiber cables (2*24 fiber) . | | | | | | | |
| | 9 | 600.00 | Numbers | 258.76 | 155256.00 | AT Par | 155256.00 | |

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|----|---|---------|-----------|----------|------------|--------|------------|--|
| 9 | | | | | | | | |
| | Description:- Supply and Fixing of cable RCC Markers as per Drawing. | | | | | | | |
| 10 | 10 | 10.00 | Lumpsum | 10858.86 | 108588.60 | AT Par | 108588.60 | |
| | Description:- Transportation of material from Store to Site and vice versa (it includes loading & un loading of all Materials along with labour cost and un-used materials to be returned to stores). | | | | | | | |
| 11 | 11 | 5000.00 | Metre | 376.15 | 1880750.00 | AT Par | 1880750.00 | |
| | Description:- Supply and installation of of GI Pipe 50mm (IS1239 medium Gauge/class B) as per site requirements | | | | | | | |
| 12 | 12 | 2000.00 | Metre | 60.25 | 120500.00 | AT Par | 120500.00 | |
| | Description:- Breaking of pucca RCC Road & Digging of Cross Pit as per drawing (Extra deployment of Jack hammer for excavation) | | | | | | | |
| 13 | 13 | 200.00 | Numbers | 18921.75 | 3784350.00 | AT Par | 3784350.00 | |
| | Description:- Supply and Installtion of Rack Mounted Fiber Management System (FMS) 19" with all installation material, Splicing of 2X24 fiber of cable with all connectors & accessories. | | | | | | | |
| 14 | 14 | 3000.00 | Metre | 27.16 | 81480.00 | AT Par | 81480.00 | |
| | Description:- Clamping of 40mm dia. HDPE duct on wall/ pole etc in building, GI clamps of approved design by EIC shall be supplied by the contractor and duct shall be supplied by RCIL. | | | | | | | |
| 15 | 15 | 100.00 | Numbers | 2720.96 | 272096.00 | AT Par | 272096.00 | |
| | Description:- Excavation of jointing pit/Encloser with out damaging the fiber and provision of joint chamber of 1.1 mtr dia , 60 Cm height and 50 mm thickness with two piece top cover and bottom cover with holes for drainage and cable entry | | | | | | | |
| 16 | 16 | 50.00 | Numbers | 2467.32 | 123366.00 | AT Par | 123366.00 | |
| | Description:- Supply & installation of FRP joint enclosure as per the technical drawing. This includes sand filing in the joint enclosure as well. | | | | | | | |
| 17 | 17 | 50.00 | Numbers | 10474.00 | 523700.00 | AT Par | 523700.00 | |
| | Description:- Supply & installation of Conical manhole (1.5 mtr. dia.) | | | | | | | |
| 18 | 18 | 200.00 | Metre | 133.16 | 26632.00 | AT Par | 26632.00 | |
| | Description:- Supply of DWC pipe 78/63 mm OD/ID as per IS 14930 Part II in 30 mtrs length with 2 snap fit couplers for jointing Each 30 mt coil length. | | | | | | | |
| 19 | 19 | 75.00 | Kilometre | 811.93 | 60894.75 | AT Par | 60894.75 | |
| | Description:- ROW Liasioning Charges for Laying UG Cable | | | | | | | |
| 20 | 20 | 100.00 | Lumpsum | 30562.00 | 3056200.00 | AT Par | 3056200.00 | |
| | Description:- Final Testing & Commissioning (hop-wise as well as end-to-end) as per instructions of Officer incharge of Site with one set of soft copy of test report and as built route plan in A3 size.(Unit: Lumpsum/Job) | | | | | | | |

| S.No. | Item Code | Item Qty | Qty Unit | Unit Rate | Basic Value | Escl.(%) | Amount | Bidding Unit |
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| Schedule B-Indoor work - Zonal Rate Contract for Trenching, Laying, Fixing, Wiring, Splicing and termination of OFC, Cat-6, Power cable & LAN Wiring with supply of various passive components in connection with delivery of various customer links under Territory of TM/DLI-NCR of RailTel/Northern Region | | | | | | | 3986623.50 | |
| 21 | 21 | 3000.00 | Metre | 32.95 | 98850.00 | AT Par | 98850.00 | |
| | Description:- Supply & fixing of PVC conduit pipes of nominal 25 mm diameter as per IS-9537 (Part 3) with latest amendments, if any having wall thickness 1.60 mm -1.80 mm of medium class with all accessories like T-Joint, swaddle, bends etc. | | | | | | | |
| 22 | 22 | 2000.00 | Metre | 18.88 | 37760.00 | AT Par | 37760.00 | |
| | Description:- Supply & fixing of PVC casing -N- capping channels of nominal size 25x16 mm as per IS-14927 (Part 2) with latest amendments with all accessories like T-Joint, swaddle, bends etc. | | | | | | | |
| 23 | 23 | 1500.00 | Metre | 245.44 | 368160.00 | AT Par | 368160.00 | |
| | Description:- Supply and fixing of GI Pipe of 50 mm | | | | | | | |
| 24 | 24 | 6500.00 | Metre | 5.45 | 35425.00 | AT Par | 35425.00 | |
| | Description:- Blowing/Pulling/Laying of OFC/Power cable/Ethernet cable in HDPE/PVC conduit pipe/Flexible pipe /GI pipe | | | | | | | |
| 25 | 25 | 100.00 | Numbers | 2923.71 | 292371.00 | AT Par | 292371.00 | |
| | Description:- Supply and Installation of 24 Port Jack Panel in rack. | | | | | | | |
| 26 | 26 | 1000.00 | Numbers | 26.10 | 26100.00 | AT Par | 26100.00 | |

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| | Description:- Supply and Termination of RJ 45 connector | | | | | | |
| 27 | 27 | 1000.00 | Numbers | 141.19 | 141190.00 | AT Par | 141190.00 |
| | Description:- Supply of UTP CAT6 Patch Cord 2Mtr length | | | | | | |
| 28 | 28 | 150.00 | Numbers | 9665.61 | 1449841.50 | AT Par | 1449841.50 |
| | Description:- Supply & fixing of Outdoor 19"- 6U x 600D RACK , wall mount industrial heavy duty racks. . Racks shall have front glass door , side openable & removable doors with proper ventilation with inbuilt lock-key arrangement . | | | | | | |
| 29 | 29 | 100.00 | Numbers | 7410.40 | 741040.00 | AT Par | 741040.00 |
| | Description:- Supply & fixing of Outdoor 19"- 9U x 600D RACK , wall mount industrial heavy duty racks. . Racks shall have front glass door , side openable & removable doors with proper ventilation with inbuilt lock-key arrangement . | | | | | | |
| 30 | 30 | 100.00 | Numbers | 5179.35 | 517935.00 | AT Par | 517935.00 |
| | Description:- Supply of 12 Fiber FMS (SC-APC Type) and all accessories required for installation | | | | | | |
| 31 | 31 | 2000.00 | Metre | 111.23 | 222460.00 | AT Par | 222460.00 |
| | Description:- Supply of PVC insulated 3 Core 4 Sq mm, 12 AWG, 1.1 KV grade outdoor strengthened Copper cable for UPS supply distribution as per BIS/ISI standards (unarmored, multi strand) | | | | | | |
| 32 | 32 | 300.00 | Numbers | 184.97 | 55491.00 | AT Par | 55491.00 |
| | Description:- Supply & Installation of 10 A/DP MCB as per ISI Standard in suitable PVC/Metallic Box. | | | | | | |

3. ITEM BREAKUP

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|------------------------|
| No item break up added |
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4. ELIGIBILITY CONDITIONS

Special Financial Criteria

| S.No. | Description | Confirmation Required | Remarks Allowed | Documents Uploading |
|-------|---|-----------------------|-----------------|---------------------|
| 1 | The tenderer must have received total contractual payments (operating turnover) in the previous three financial years and the current financial year up to the date of inviting of tender, at least 150% of the advertised value of the tender. The tenderers shall submit Certificates to this effect which may be an attested Certificate from the concerned department / client or Audited Balance Sheet duly certified by the Chartered Accountant/Certificate from Chartered Accountant duly supported by Audited Balance Sheet. | No | No | Allowed (Mandatory) |

Special Technical Criteria

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

5. COMPLIANCE

Check Lst

| S.No. | Description | Confirmation Required | Remarks Allowed | Documents Uploading |
|-------|-------------------------|-----------------------|-----------------|---------------------|
| 1 | As per tender document. | No | No | Not Allowed |

Commercial-Compliance

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

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| 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 |
|-------|----------------------------------|-----------------------|-----------------|---------------------|
| 1 | As per Tender Document attached. | No | No | Not Allowed |

Technical-Compliances

| S.No. | Description | Confirmation Required | Remarks Allowed | Documents Uploading |
|-------|-------------------------|-----------------------|-----------------|---------------------|
| 1 | As per tender document. | No | No | Allowed (Mandatory) |

Custom

| S.No. | Description | Confirmation Required | Remarks Allowed | Documents Uploading |
|-------|--|-----------------------|-----------------|---------------------|
| 1 | DETAILED TECHNICAL SPECIFICATIONS as per Tender Document attached. | No | No | Not Allowed |

6. Documents attached with tender

| S.No. | Document Name | Document Description |
|-------|---------------------------|----------------------|
| 1 | FinalTenderZonalNCR_1.pdf | Tenderdocument |

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: MAYUR AHUJA

Designation : Sr.Manager