

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

Tender No: RCIL-NR-67LHS-09

Closing Date/Time: 08/12/2020 11:00

GM/Project acting for and on behalf of The President of India invites E-Tenders against Tender No **RCIL-NR-67LHS-09** Closing Date/Time 08/12/2020 11:00 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 | Trenching, Laying, Termination, Splicing, Testing and Commissioning for shifting of OFC at 67 Nos. LHS Locations of Bikaner Division/NWR | | |
| Bidding type | Normal Tender | | |
| Tender Type | Open | Bidding System | Single Packet System |
| Tender Closing Date Time | 08/12/2020 11:00 | Date Time Of Uploading Tender | 06/11/2020 17:55 |
| Pre-Bid Conference Required | No | Pre-Bid Conference Date Time | Not Applicable |
| Advertised Value | 4595508.48 | Tendering Section | PROJECT |
| Bidding Style | Single Rate for Tender | Bidding Unit | Above/Below/Par |
| Earnest Money /Bid Security (Rs.) | 92000.00 | Validity of Offer (Days) | 45 |
| Tender Doc. Cost (Rs.) | 5900.00 | Period of Completion | 90 Days |
| Contract Type | Works | Contract Category | Expenditure |
| Bidding Start Date | 24/11/2020 | Are Joint Venture (JV) firms allowed to bid | No |
| Ranking Order For Bids | Lowest to Highest | Expenditure Type | Deposit Work |

2. SCHEDULE

| S.No. | Item Code | Item Qty | Qty Unit | Unit Rate | Basic Value | Escl.(%) | Amount | Bidding Unit |
|--|--|----------|-----------|-----------|-------------|----------|------------|--------------|
| Schedule SOR-Schedule of Requirements | | | | | | | 4595508.48 | |
| 1 | 1 | 36.85 | Kilometre | 34802.03 | 1282454.81 | AT Par | 1282454.81 | |
| | Description:- Digging of 1.2 mtr deep and .3 mtr wide trenches in all types of soil except in Hard & rocky soil, in City Area backfilling the trench after laying of telecom cable. It include clearing of roots of trees and bushes and temporary obstructions on the selected cable route ramming of soil and planting of cable route marker(As per RailTel specification) at every 50 mtr and at every location where direction of trench change the item include covering of laid cable by sieved soil up to 5cm. Where digging of 1.2 mtr depth is not possible or depth is reduced/increased as per instructions given by engineer in charge then payment will be decreased/increased proportionality to the depth of trench this item include supply of cable route marker as per RailTel specification. | | | | | | | |
| 2 | 2 | 46.00 | Kilometre | 3503.33 | 161153.18 | AT Par | 161153.18 | |
| | Description:- Laying of (HDPE duct) in the trenches and in protective works already provided including in HDD portion and supply, pulling of nylon rope through it at different places as per the directions of engineer in charge or site engineer. | | | | | | | |
| 3 | 3 | 10.00 | Numbers | 16890.34 | 168903.40 | AT Par | 168903.40 | |
| | Description:- Supply and Installtion of Rack Mounted Fiber Management system 19 " with all installtion material, Splicing, Termination and testing of 1X24 (Rly) /2X24(RCIL) fiber of cable with all connectors material as per instruction of site Engineers. | | | | | | | |
| 4 | 4 | 50.00 | Kilometre | 7202.31 | 360115.50 | AT Par | 360115.50 | |
| | Description:- Blowing/drawing of OFC in the HDPE duct and in protective works already provided. | | | | | | | |
| 5 | 5 | 67.00 | cum | 2731.09 | 182983.03 | AT Par | 182983.03 | |
| | Description:- Concreting is to be done in rocky areas where OFC is to be protected and to keep the route marker in position . At bridges and culverts to protect OFC on approachs and wherever necessary as directed by RCIL engineer. The propotion of cement send and metal the ratio is 1:3:6 curing and ensuring proper setting. The depth is 0.15 meter and width is 0.3 mtrs. The OFC to be drawn through HDPE or G.I. pipe or half cut RCC as per site condition and as per site condition as directed by RCIL Engineer. | | | | | | | |
| 6 | 6 | 603.00 | Metre | 508.27 | 306486.81 | AT Par | 306486.81 | |
| | Description:- Supply & Fixing of PPRC Pipe 75mm PN 16 IS 15801 (2008) with coupling on culverts Bridges including material for fixing arrangements consist of MS Channel of size 1250x100x50mm | | | | | | | |
| 7 | 7 | 32146.00 | Drum-Km | 2.85 | 91616.10 | AT Par | 91616.10 | |
| | | | | | | | | |

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|----|---|---------|---------|---------|-----------|--------|-----------|
| 8 | Description:- Loading, Unloading and Transportation of cable drums of Optical fiber cable /HDPE coil from any other depot of Railtel to depot of the section. Measurement for the purpose shall be rail track km. No charges shall be paid for loading, Unloading and Transportation from the depot of RailTel in the section to the site of work. | | | | | | |
| | 8 | 7035.00 | Metre | 110.89 | 780111.15 | AT Par | 780111.15 |
| 9 | Description:- Horizontal Drilling by using manual pushing method at minimum depth of 1.5 mtr below the formation level of earth or as per decision of RCIL Engineer. | | | | | | |
| | 9 | 170.00 | Numbers | 186.35 | 31679.50 | AT Par | 31679.50 |
| 10 | Description:- Supply, Transporting & Fixing of Cable Route markers where the route of the cable changes, on either side of culverts, bridges, L.C Gates, Road cuttings, at JOINT CHAMBER etc. These shall be standard RCC with letters "RCIL OFC" engraved & suitably painted. They shall be painted Green when placed near Joint Chambers & shall be painted with Orange at all other places. The engraved portion RCIL OFC should be painted with Black. The Height is 90 cm., width 30 cm. & thickness 8 cm as per the drawings supplied for Cable route and joint. | | | | | | |
| | 10 | 200.00 | Numbers | 137.95 | 27590.00 | AT Par | 27590.00 |
| 11 | Description:- Supply of SC/APC - LC/PC Patch Cord (5 Mtr.) (3M, TE Connectivity, R&M make only). | | | | | | |
| | 11 | 170.00 | Numbers | 2556.01 | 434521.70 | AT Par | 434521.70 |
| 12 | Description:- Excavation of jointing pit 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 (The reinforcement drawing enclosed). This includes backfilling and ramming of the trench after placing the joint closure and cable loop in the chamber with out causing any damage to the same and consolidation of soil as well as disposal of soil as per plan and as advised by RailTel Representative. | | | | | | |
| | 12 | 170.00 | Numbers | 469.18 | 79760.60 | AT Par | 79760.60 |
| 13 | Description:- Supply, transport and filling of the RCC joint chambers with dry sand mixed with anti-termite chemical as required in specification up to 400mm height and the cover is re fixed in position. | | | | | | |
| | 13 | 170.00 | Numbers | 3407.95 | 579351.50 | AT Par | 579351.50 |
| 14 | Description:- Supply & Provision of OFC Joint including Splicing (24 Fibre) inside already prepared jointing pit. This does not include provision of Joint chamber, top plate & back filling. The joint Enclosure shall be supplied by Contractor (TVSE, R&M, Raychem or 3M Make only). | | | | | | |
| | 14 | 804.00 | Metre | 135.30 | 108781.20 | AT Par | 108781.20 |
| 14 | Description:- Protective works to enable the laying of OFC on level crossing gates, road crossing and station circulating area, underneath the track for crossing of track, over/below the culverts and bridges, other than girder bridges. This includes the supply and provision of protective measures like permanently solid lubricated DWC pipes (75/56mm dia) as per IS 14930 (Part-2):2001 to suit the site condition as detailed in the technical supplement and as advised by engineer at site. | | | | | | |

3. ITEM BREAKUP

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|------------------------|--|
| No item break up added | |
|------------------------|--|

4. ELIGIBILITY CONDITIONS

Special Financial Criteria

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

Special Technical Criteria

| S.No. | Description | Confirmation Required | Remarks Allowed | Documents Uploading |
|-------|------------------------|-----------------------|-----------------|---------------------|
| 1 | As per Tender Document | 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 |

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Commercial-Compliance

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

Special Conditions

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

Technical-Compliances

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

Undertakings

| S.No. | Description | Confirmation Required | Remarks Allowed | Documents Uploading |
|-------|---|-----------------------|-----------------|---------------------|
| 1 | Power of Attorney, Form 2A, No deviation certificate (Form 5) | No | No | Not Allowed |

6. Documents attached with tender

| S.No. | Document Name | Document Description |
|-------|----------------------|----------------------|
| 1 | TenderDocument_1.pdf | Tender Document |

This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Industrial Promotion and Policy, Ministry of Commerce, circulated vide Railway Board letter no. 2015/RS(G)/779/5 dated 03/08/2017 and 27/12/2017.

Signed By: SANJAI SIROHI

Designation : DGM/Project 1