

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

Tender No: RAILTEL-NR-PROJ-22-23-14

Closing Date/Time: 15/02/2023 15:00

Addl.GM/Project acting for and on behalf of The President of India invites E-Tenders against Tender No **RAILTEL-NR-PROJ-22-23-14** Closing Date/Time 15/02/2023 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	Trenching, laying, termination, splicing, testing and commissioning of OFC for connectivity of NTRO Udaipur (main and protection paths) in Northern Region of RailTel.		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	15/02/2023 15:00	Date Time Of Uploading Tender	31/01/2023 17:32
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	24979561.29	Tendering Section	PROJECT
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money (Rs.)	499600.00	Validity of Offer (Days)	20
Tender Doc. Cost (Rs.)	2950.00	Period of Completion	180 Days
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	01/02/2023	Are Joint Venture (JV) firms allowed to bid	No
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Revenue

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule A -Trenching, laying, termination, splicing, testing and commissioning of OFC for connectivity of NTRO Udaipur (main and protection paths) in Northern Region of RailTel							24979561.29	
1	1	6000.00	Metre	53.03	318180.00	AT Par	318180.00	
	Description:- Trenching in city area/Railway land to depth of 1.2 Mtr. and laying of HDPE duct with the following protection, the rate for trenching will be paid on prorata basis to depth made. Details are as per drawing no. RAILTEL/WR/OT/DFC/001							
2	2	27000.00	Metre	113.08	3053160.00	AT Par	3053160.00	
	Description:- For 1.2 mtr to 0.8 mtr depth (Half cut RCC pipe of dia 150mm) as per instruction of EIC. Details as per drawing no. Railtel/WR/3.2/T/NKN/Zone							
3	1C	36000.00	Metre	250.33	9011880.00	AT Par	9011880.00	
	Description:- For 0.8 mtr to 0.4 mtr depth (Half cut RCC pipe of dia 150mm with CC used in the ratio 1:3:6 of Cement, sand and stone of Size 20mm approximate height 150mm built on wire mesh of 19 SWG properly cured with water before backfilling) as per instruction of EIC. Details as per drawing no. RailTel/WR/3.2/OT/NKN/Zone							
4	2	19000.00	Metre	240.13	4562470.00	AT Par	4562470.00	
	Description:- Laying of PLB HDPE duct by HDD method at a depth of 1.65m or more (for a single PLB Pipe)							
5	3	18000.00	Metre	4.02	72360.00	AT Par	72360.00	
	Description:- Laying of additional OFC duct in trenches as per site requirement and decided by site engineer to be operated as an additional item with schedule item no. 3 to item no. 7(OF SOR in Tender document), additional duct so laid should be clearly indicated in route plan							
6	4	3000.00	Metre	506.41	1519230.00	AT Par	1519230.00	
	Description:- Protective works to enable the laying of OFC in GI pipe of 65 mm ID on girder bridges, masonry bridges, Tunnels, cuttings, culverts & other specific locations etc. This also include supply and fixing of M.S. channel, RCC pipes as support, trenching & backfilling, concreting, support pillars, brick work, clamping on walls etc. after laying and all other required material to suit the site condition to restore back the surface to original as detailed in the technical supplement & as advised by the engineer at site.							
7	5	1000.00	Metre	294.47	294470.00	AT Par	294470.00	
	Description:- Protective works to enable laying of OFC on Metallic Road, Level crossing gates, underneath the track for crossing of track, over the culverts and bridges other than girder bridges. This includes supply of 120/103.5 mm OD/ID DWC pipe							
	6	100.00	Metre	312.26	31226.00	AT Par	31226.00	

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8	Description:- Supply, Installation & Clamping of 50 mm dia GI pipe with necessary accessories like couple, elbow, joint etc. along with 40 mm duct on wall /pole etc, outside and inside the building for leading of cable GI clamps to be supplied by the contractor. Duct shall be supplied by RCIL. Details as per drawing no. RailTel/WR/3.13/OT/NKN/Zone						
9	7	101850.00	Metre	8.06	820911.00	AT Par	820911.00
	Description:- Pulling and Blowing of 24F OFC in already laid HDPE duct in trench as per EIC						
10	8	2.00	Numbers	45569.24	91138.48	AT Par	91138.48
	Description:- Supply of earthing & installation for three pits per site as per RDSO spec NO. RDSO/SPN/197/2008 with latest amendments , if any.						
11	9	66000.00	Metre	2.21	145860.00	AT Par	145860.00
	Description:- Preparation of Cable Route Plan after carried out survey the work as per the engineering practices are mention in the tender document the plan should be made in Auto Cad indicating the depth, all types of pipe , CC, joint/loop locations , markers , railway sinages etc. made in A-3 size page sample plan attached in technical section approximately 1-1.5 Kms. on 1 x A-3 page.(The GIS coordinate of the cable route should be indicated.)						
12	10	4.00	Numbers	19256.83	77027.32	AT Par	77027.32
	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.						
13	11	30.00	Numbers	10760.56	322816.80	AT Par	322816.80
	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) This includes provision of joint pit (RCC/Prefabricated) as detailed in technical specifications and as advise by Engineer at site.						
14	12	1000.00	cum	3231.68	3231680.00	AT Par	3231680.00
	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 appoaches 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 drawan through HDPE or G.I. pipe or half cut RCC as per site condition and as per site condition as directed by RCIL Engineer.						
15	13	1600.00	Numbers	220.50	352800.00	AT Par	352800.00
	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						
16	14	40.00	Metre	319.85	12794.00	AT Par	12794.00
	Description:- Supply & Mounting of Aluminium ladder as per drawing encloser with the document. This includes mounting of terminal joint & dressing of spare OFC with sutable plastic clamps/ Bands						
17	15	1.00	Numbers	212335.22	212335.22	AT Par	212335.22
	Description:- Supply of Cable Route Locator as per specifications given in Section-II technical requirement & supplement.						
18	16	1.00	Numbers	175407.35	175407.35	AT Par	175407.35
	Description:- Supply of OTDR with all standard accessories as per specifications given in Section-II technical requirement & supplement.						
19	17	1.00	Numbers	226182.14	226182.14	AT Par	226182.14
	Description:- Supply of Optical Fiber Fusion Splicing Machine with all standard accessories as per specifications given in Section-II technical requirement & supplement.						
20	18	1.00	Numbers	33850.54	33850.54	AT Par	33850.54
	Description:- Supply of maintenance tools and testing equipment kit box for OFC as per specifications given by Engineer in charge.						
21	21	1.00	Numbers	28320.00	28320.00	AT Par	28320.00
	Description:- Supply of Optical Power Meter OLP-35 V2						
22	20	1.00	Numbers	82600.00	82600.00	AT Par	82600.00
	Description:- Supply of Optical Laser Light Source OLS-35V2.						
23	23	2.00	Numbers	151431.22	302862.44	AT Par	302862.44
	Description:- Supply, installation, testing and commissioning of UPS 5 KVA capacity with battery backup for 4 hrs (On line) at rated load & battery trolley of APC make or similar						

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3. ITEM BREAKUP

No item break up added

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	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

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)

6. Documents attached with tender

S.No.	Document Name	Document Description
1	TenderDocumentforNTROUdaipurJan2023_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