

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

Tender No: RailTel-NR-Project-33

Closing Date/Time: 06/04/2022 15:00

Addl.GM/Project acting for and on behalf of The President of India invites E-Tenders against Tender No **RailTel-NR-Project-33** Closing Date/Time 06/04/2022 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	06/04/2022 15:00	Date Time Of Uploading Tender	14/03/2022 12:04
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	23/03/2022	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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	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
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

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	(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)
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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	FloatedTenderZonalNCR.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