

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

Tender No: RCIL-NR-EOFF-LAN-20-21-15

Closing Date/Time: 04/01/2021 12:00

GM/Project acting for and on behalf of The President of India invites E-Tenders against Tender No **RCIL-NR-EOFF-LAN-20-21-15** Closing Date/Time 04/01/2021 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.

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, Fixing, Wiring, Splicing and termination of unarmored OFC, Cat-6, Power cable with supply of various passive components in connection with Strengthening and Expansion of LAN in various Railways Units for implementation of e-Office under Railtel/Northern Region		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	04/01/2021 12:00	Date Time Of Uploading Tender	14/12/2020 12:57
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	7484777.07	Tendering Section	PROJECT
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money /Bid Security (Rs.)	149700.00	Validity of Offer (Days)	30
Tender Doc. Cost (Rs.)	1770.00	Period of Completion	90 Days
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	21/12/2020	Are Joint Venture (JV) firms allowed to bid	No
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Capital (Works)

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule A-Trenching, Laying, Fixing, Wiring, Splicing and termination of unarmored OFC, Cat-6, Power cable with supply of various passive components in connection with Strengthening and Expansion of LAN in various Railways Units for implementation of e-Office under Railtel/Northern Region							7484777.07	
1	PVCCONDUIT	25000.00	Metre	37.24	931000.00	AT Par	931000.00	
	Description:- Supply 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. (Note: One set of all types of accessories are to be provided per 5 meters of PVC conduit pipe.)							
2	PVCCASING	20000.00	Metre	21.34	426800.00	AT Par	426800.00	
	Description:- Supply of PVC casing -N- capping channels of nominal size 25x16 mm as per IS-14927 (Part 2) with latest amendments, if any with all accessories like T-Joint, swaddle, bends etc. (Note: One set of all types of accessories are to be provided per 5 meters of PVC casing-N-capping channel.)							
3	RJ45	1500.00	Numbers	29.50	44250.00	AT Par	44250.00	
	Description:- RJ 45 Connector for termination of CAT6 cable dlink make							
4	PVCFLEXIBL	1000.00	Metre	14.62	14620.00	AT Par	14620.00	
	Description:- Supply of 35 mm PVC flexible Pipe ISI Mark & Installation , Clamping of the same on wall, pole etc. with required clamps & all other installation material as required.							
5	CLAMPING	18000.00	Numbers	10.65	191700.00	AT Par	191700.00	
	Description:- Clarnping/fixing of PVC Casing-N-Caping of ISI make along with couplers, wherever necessary and as per instrnctios of Engineer-In-Charge of RailTel (size 100mmx50mm / as per site incharge)							
6	FIXCONDUIT	20000.00	Metre	12.25	245000.00	AT Par	245000.00	
	Description:- Fixing of PVC conduit pipes of various sizes along with all accessories like clamps, swaddle, screws, flexible pipe etc. on wall/roof. Minimum 3 numbers of galvanized MS clamps are to be provided in one meter length of conduit pipe.							
7	CAT6	150.00	Set	9440.00	1416000.00	AT Par	1416000.00	
	Description:- Supply of Cat-6 Cable, Copper, E2, 4 Pair, Solid, UTP, OSP, Black, Reel of 305 Meter							
	IOBOX	1000.00	Numbers	250.00	250000.00	AT Par	250000.00	

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8	Description:- Supply and installation of Input/Output Box with RJ45 CAT6E LAN I/O Network Keystone Jack + Gang Box + Single Port Face Plate						
	19IN6U	30.00	Numbers	2989.70	89691.00	AT Par	89691.00
9	Description:- Supply of Outdoor 19"-6Ux 600D wall mount industrial heavy duty racks.Racks shall have front glass door, side openable & removable doors with proper ventilation with inbuilt lock-key arrangement at each door, inside of rack four AC operated 90 CFM fans and spike guard with fuse with pole brackets,clamps and other accessories.						
	9URACK	8.00	Numbers	7818.07	62544.56	AT Par	62544.56
10	Description:- Supply of Outdoor 19"- 9U x 600D wall mount industrial heavy duty racks. . Racks shall have front glass door , side openable & removable doors with proper ventilation with inbuilt lock-key arrangement at each door, arrangement at each door, inside of rack four AC operated 90 CFM fans and spike guard with fuse with pole brackets,clamps and other accessories for installation of UPS inside rack.						
	42URACK	17.00	Numbers	17444.70	296559.90	AT Par	296559.90
11	Description:- Supply of Outdoor 19"- 42U x 600D wall mount industrial heavy duty racks. . Racks shall have front glass door , side openable & removable doors with proper ventilation with inbuilt lock-key arrangement at each door, arrangement at each door, inside of rack four AC operated 90 CFM fans and spike guard with fuse with pole brackets,clamps and other accessories for installation of UPS inside rack						
12	FDMS	110.00	Numbers	6726.00	739860.00	AT Par	739860.00
	Description:- Supply of 24x 2 port FDMS (SC type)						
13	12FFMS	50.00	Numbers	3764.20	188210.00	AT Par	188210.00
	Description:- Supply of 12x2 port FDMS (SC type)						
14	12F	8160.00	Metre	11.15	90984.00	AT Par	90984.00
	Description:- Supply of 12 core metal strengthened outdoor unarmoured OFC (ITU-T G-652-D)						
15	POWERCBL	200.00	Metre	70.21	14042.00	AT Par	14042.00
	Description:- Supply of 3Core 1.5 sqmm flexible copper Power cable 1 mtr						
16	CAT6	11.00	Numbers	3304.00	36344.00	AT Par	36344.00
	Description:- Cat 6 UTP 24Port Loaded Patch Panel						
17	CAT6PC	653.00	Numbers	159.56	104192.68	AT Par	104192.68
	Description:- Cat6 Patch Chord - 1 Mtr at Server side						
18	TRENCH1200	8095.00	Metre	95.26	771129.70	AT Par	771129.70
	Description:- Excavation of trench (in all types of soil but excluding rocky soil) at 1.2 mtr depth & 300 mm wide at the bottom of trench including clearing of bushes, trees etc and refilling of the trench by excavated soil and ramming after laying of the required quantity of cables as per instruction. Wherever excavation of trench is not possible up to 1.2 mtrs as per EIC due to terrain conditions, the payment for trenching & backfilling will be paid on pro-rata basis as per clause. The approval of the EIC & CA of the work will be required for such dispensation						
19	HDD	2265.00	Metre	175.79	398164.35	AT Par	398164.35
	Description:- Horizontal drilling at a approximately depth of 1.65 m below the formation level of the earth including insertion of DWC/HDPE duct along with couplings etc.						
20	LAYHDPE	8060.00	Metre	5.51	44410.60	AT Par	44410.60
	Description:- Laying of HDPE duct single 40/33mm OD/ID in the trench & through PPRC/GI/DWC pipe used for protection						
21	SUPGI	162.00	Metre	277.37	44933.94	AT Par	44933.94
	Description:- Supply of GI pipe 50mm Dia 'B' Grade wiyh sockets & fittings as per spec. IS-1239 of 1990 & 1992 of latest.						
22	FIXGI	200.00	Metre	41.32	8264.00	AT Par	8264.00
	Description:- Fixing of GI pipe on culverts, bridges in yards& mid sections						
23	BLOWOFC	11340.00	Metre	10.81	122585.40	AT Par	122585.40
	Description:- Pulling and blowing of OFC in HDPE duct						
24	Jointpit	16.00	Numbers	7424.84	118797.44	AT Par	118797.44
	Description:- Supply & Installation of jointing pit as per drawing with cover and required trenching to ease out Cable/Duct						
25	ofcje	100.00	Numbers	4720.86	472086.00	AT Par	472086.00
	Description:- Supply of OFC Joint enclosure including Splicing (24Fibre) with all accessories as per TEC spec No. GR/OJC-02/02sep 2003 or latest for 24 fiber of reputed make						
26	SPLICE	122.00	Numbers	308.41	37626.02	AT Par	37626.02
	Description:- Splicing of 12 & 24 Fiber OFC						

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27	ROUTEMARK	188.00	Numbers	206.13	38752.44	AT Par	38752.44	
	Description:- Supply and fixing of cable route markers as per drawing							
28	ROUTEPLAN	10000.00	Metre	3.45	34500.00	AT Par	34500.00	
	Description:- OFC route tracing and submission of corrected cable route and plan (soft copy in CD & 2 hard copy) cable route plan should contain LC gates culverts/bridges, joint chamber, stations, off set, depth of cable at every 100 mtrs							
29	FIXRACK	38.00	Numbers	1096.50	41667.00	AT Par	41667.00	
	Description:- Fixing and mounting of 6U/9U/42U size Rack at suitable height on Wall, Pole, all sorts of angles, nuts, bolts , clamps to be supplied by contractor (Design of clamps to be approved by Field -in- Charge before starting the work)							
30	MCB	200.00	Numbers	81.06	16212.00	AT Par	16212.00	
	Description:- supply & installation of 20A/SP MCB as per ISI Standard in suitable PVC/Metallic Box of reputed make like Havells, Hager, Legrand only							
31	blowofc	16977.00	Metre	7.44	126308.88	AT Par	126308.88	
	Description:- Blowing/Pulling/Laying of OFC/Power cabel/Ethernet cable in HDPE/PVC conduit pipe/Flexible pipe							
32	Commision	4.00	Numbers	16885.29	67541.16	AT Par	67541.16	
	Description:- Installation, Testing & Commissioning of netwok (This includes commissioning of Access switches/Fibre switches in Racks 6U/9U/42U racks as per plan lay out and fixing of Patch chord as per requirement. Labeling of Racks/ Sticking of proper size as per instructions of Engineer Incharge, RailTel.							

3. ITEM BREAKUP

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 attached	No	No	Allowed (Mandatory)

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 attached.	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
1	Power of attorney, EMD, Form 2A	No	No	Allowed (Mandatory)

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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)
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General Instructions

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

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	Submission of digitally signed copy of tender document/addendum on portal.	No	No	Allowed (Mandatory)

Undertakings

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per tender documents.	No	No	Not Allowed

Custom

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Statement of Deviation (Form-5) duly signed and stamped, should be uploaded on portal.	No	No	Allowed (Mandatory)

6. Documents attached with tender

S.No.	Document Name	Document Description
1	TendereOfficeLANpassive141220_compressed_compressed_compressed.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.

Signed By: KANCHAN MARTOLIA PANGTEY

Designation : AGM/Project 1