

**NORTHERN REGION-O AND M/RAILTEL NORTHERN REGION
TENDER DOCUMENT**

Tender No: RCIL-OT-NR-OnM-25-26-06

Closing Date/Time: 02/07/2025 11:00

DGM/O and M acting for and on behalf of The President of India invites E-Tenders against Tender No **RCIL-OT-NR-OnM-25-26-06** Closing Date/Time 02/07/2025 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	Supply, Installation, Trenching/HDD/Clamping, Laying of Duct, Blowing of OFC through Ducts, Splicing, Testing & Commissioning for OFC replacement between in NDLS-Rewari section of RailTel		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	02/07/2025 11:00	Date Time Of Uploading Tender	27/05/2025 17:23
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	48301446.33	Tendering Section	O AND M
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money (Rs.)	966100.00	Validity of Offer (Days)	60
Tender Doc. Cost (Rs.)	0.00	Period of Completion	270 Days
Contract Type	Works - General	Contract Category	Expenditure
Bidding Start Date	18/06/2025		
Are JV allowed to bid	No	Number of JV Member Allowed	0
Are Consortium allowed to bid	No	Number of Consortium Member Allowed	0
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 () 01-Trenching (1.2m depth)							2268432.00	
1	1	21600.00	Metre	105.02	2268432.00	AT Par	2268432.00	
	Description:- Trenching to a depth of 1.2 mtr and appropriate width for pipe/duct/cable and backfilling after laying OFC as per Section-II, Chapter 4 -clause-4.1 to 4.14. (Hard Soil)							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 02-Horizontal Drilling							28768406.40	
02	02	48240.00	Metre	596.36	28768406.40	AT Par	28768406.40	
	Description:- Horizontal Drilling including insertion of DWC pipes/HDPE duct along with couplings etc. As per Section-II, Chapter 4, clause 4.17 .							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 03-Hard Rock							204400.80	
03	03	720.00	Metre	283.89	204400.80	AT Par	204400.80	
	Description:- Cutting hard rock for 0.3 mtr depth of trench as per Section-II,Chapter-4, clause-4.8							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 04-Protection work at bridge/culvert							903528.00	
04	04	1440.00	Metre	627.45	903528.00	AT Par	903528.00	
	Description:- Supply and provision of Channels, clamps, fixtures,Troughs,nuts & bolts etc.as per Section-II, Chapter-3,clause-3.9.							

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Schedule () 05-DWC Pipe							35743.68	
05	05	216.00	Metre	165.48	35743.68	AT Par	35743.68	
	Description:- Supply of DWC pipe 78/63 mm OD/ID as per IS 14930 Part II in 30 mtrs length with with 2 snap fit couplers for jointing Each 30 mtr coil length as per Section-II,Chapter-4,clause 4.11.4.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 06-Concreting							79965.00	
06	06	15.00	cum	5331.00	79965.00	AT Par	79965.00	
	Description:- Concreting for protection of OFC cable as per Section-II, Chapter-4,clause-4.18.2.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 07-Transportation Cost							309267.20	
07	07	14720.00	Kilometre	21.01	309267.20	AT Par	309267.20	
	Description:- Transportation cost							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 08-G.I. (Pipe on RCC Bridges)							359056.80	
08	08	720.00	Metre	498.69	359056.80	AT Par	359056.80	
	Description:- Supply & laying of 50 mm dia GI Pipe IS1239 medium grade with holes drilled as an anti theft measure coupling etc. on bridges/ trenches/ other surfaces with CC at every 1m as per drawing. As per Section-II,Chapter 8, AnnexureVIII.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 09-G.I.(Pipe onGirder Bridges)							225187.20	
09	09	360.00	Metre	625.52	225187.20	AT Par	225187.20	
	Description:- Supply & laying of 75 mm dia GI Pipe IS1239 medium grade with holes drilled as an anti theft measure with threads on either end for coupling etc. And suitable 5 Mtr. GI clamps as per site requirement on bridges/ trenches/building entry/other surfaces. As per Section-II,chapter 8 ,AnnexureVIII.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 10-Laying/pulling of HDPE Duct							817236.00	
10	10	75600.00	Metre	10.81	817236.00	AT Par	817236.00	
	Description:- Laying of HDPE duct in trenches. Supply and pulling of nylon rope through it.As per Section-II,Chapter-4,clause-4.13.16(a).							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 11-Blowing of OFC							1079496.00	
11	11	79200.00	Metre	13.63	1079496.00	AT Par	1079496.00	
	Description:- Laying of OFC/ QUAD Cable in trench and through HDPE/GI/RCC pipes where ever necessary as per Section-II,Chapter-4,clause-4.18.1.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 12-FRP/RCC Route marker							134352.00	
12	12	360.00	Numbers	373.20	134352.00	AT Par	134352.00	
	Description:- Supply and fixing of cable route markers as per Section-II Chapter-4,clause 4.15 drawing (Drg No.RCIL/N Region/1/2004).							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 13-Conical Chamber							688745.52	
13	13	72.00	Numbers	9565.91	688745.52	AT Par	688745.52	
	Description:- Supply & provision of conical manhole (1.5 mtr dia)							

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S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 14-FRP/RCC Chamber							757078.56	
14	14	144.00	Numbers	5257.49	757078.56	AT Par	757078.56	
	Description:- Supply & installation of jointing pit as per drawing with cover and required trenching to ease out cable/duct. (The joint chamber should be of the size of outer dia 1100 mm, Height -600 mm (2 pieces of 300 mm each). The thickness of the wall should be 50 mm and each piece of the chamber should have suitable grooves to fit each other).As per drawing Section-III,DRG.No-RCIL/N.Region/03/2004.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 15-OFC Joint Enclosure							187220.81	
15	15	29.00	Numbers	6455.89	187220.81	AT Par	187220.81	
	Description:- Supply & installation of optical Fibre splicing (Joint) Enclosure (24/48F) for loose tube complete with all accessories as per TEC specifications no. TEC no. TEC/ GR/TX/OJC- 002/03/APR-2010or latest with the following additional features. As per Section-II, Chapter-5,clause 5.1 to 5.22							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 16-FMS							34562.46	
16	16	2.00	Numbers	17281.23	34562.46	AT Par	34562.46	
	Description:- Supply and Installation of 19" Rack Mounted 48F FMS (Fiber Management System) with all installation material, Splicing of 1x48 or 2X24 fiber of cable with all connectors & accessories. SC-APC TYPE as per Section-II,Chapter-7,clause-2.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 17-Earthing							268716.33	
17	17	9.00	Numbers	29857.37	268716.33	AT Par	268716.33	
	Description:- Supply & Installation of unit maintenance free earthing as per RDSO specification RDSO/SPN/197/2008 or latest.As per Section-II,chapter 7,Clause-1.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 18-FMS							172812.30	
18	18	10.00	Numbers	17281.23	172812.30	AT Par	172812.30	
	Description:- Supply and Installation of 19" Rack Mounted 24F FMS (Fiber Management System) with all installation material, Splicing of 2x48 fibre of cable with all connectors & accessories. SC-APC TYPE as per Section-II,Chapter-7,clause-2.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 19-Fire Suppression System							978550.75	
19	19	2.00	Numbers	326768.67	653537.34	AT Par	653537.34	
	Description:- Supply In-cabinet Automatic Fire Supression system as per RDSO specification No.RDSO/SPN/218/2016 ver 1.0 d2 or latest.As per Section-II,Chapter-7,clause-3.							
20	19	105.00	Metre	1969.63	206811.15	AT Par	206811.15	
	Description:- Supply of Linear Pneumatic Heat detection tube kit,(standard) for In-cabinet Automatic Fire Suppression system(ICAFSS) system as per RDSO specification No.RDSO/SPN/218/2016 ver 1.0 d2 or latest.As per Section-II,Chapter-7,clause-3.							
21	19	2.00	Numbers	47846.13	95692.26	AT Par	95692.26	
	Description:- Supply of Master Control Unit (In-Cabinet monitoring panel, ICMP) for In-Cabinet Automatic Fire Suppression system(ICAFSS) system as per RDSO specification No.RDSO/SPN/218/2016 ver 1.0 d2 or latest.As per Section-II,Chapter-7,clause-3.							
22	19	2.00	Numbers	11255.00	22510.00	AT Par	22510.00	
	Description:- Installation,Testing and commissioning of In-Cabinet Automatic Fire Suppression System supplied by SOR item 19,20,21 as per Section-II,Chapter-7,clause 3.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 20-Supply of Duct							3991680.00	

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23	20	75600.00	Metre	52.80	3991680.00	AT Par	3991680.00	
	Description:- Permanently Lubricated HDPE Telecom duct to use as U/G Optical fibre cable conduits size 40/33 mm and accessories as per TEC Specs No. TEC/GR/FA/CDS-008/04/AUG-19 with latest amendment for RailTel Optic Fiber Network. As per Section-II,Chapter-7,clause-4.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 21-Supply of OFC							5981184.00	
24	21	79200.00	Metre	75.52	5981184.00	AT Par	5981184.00	
	Description:- Supply of 48 F Fiber Armoured OFC cable as per RDSO Specs RDSO/SPN/TC/110/2020 ver 0 or Latest for RailTel OFC network.As per Section-II,Chapter-7,clause-5.Supply of 48 F OFC duct as per RDSO specs.As per Section-II,Chapter-7,clause-5.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 22-Testing & Commissioning							55824.52	
25	22	2.00	Lumpsum	27912.26	55824.52	AT Par	55824.52	
	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 and hard copy of test report and As built route plan.As per Section-II,Chapter-5,clause-5.23.							

3. ITEM BREAKUP

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	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

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

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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	As per tender document.	No	No	Not Allowed

Custom

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

6. Documents attached with tender

S.No.	Document Name	Document Description
1	TenderdocumentRE.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 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: HEMANT KUMAR SINGH

Designation : AGM