Tender No: 17-2024-NGP-TELE-TUNNEL Closing Date/Time: 22/07/2024 15:00

**SR.DSTE/CO** acting for and on behalf of The President of India invites E-Tenders against Tender No 17-2024-NGP-TELE-TUNNEL Closing Date/Time 22/07/2024 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.

#### 1. NIT HEADER

Name of Work		nunication in tunnels of ghat sections (C h) in Nagpur division of Central Railway.	. ,
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	22/07/2024 15:00	Date Time Of Uploading Tender	27/06/2024 18:34
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	60105503.69	Tendering Section	WORKS
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money (Rs.)	450500.00	Validity of Offer ( Days)	60
Tender Doc. Cost (Rs.)	0.00	Period of Completion	9 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	08/07/2024	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	chedule A1-SOR SUPPLY							
	1	40.00	Set	19351.71	774068.40	AT Par	774068.40	
1	steel electro No. (2) Earl 25 x 6mm	ode 3 Mtr lo th enhancen - 02 No (4)	ng 17mm di nent compou Copper Str	a with copper I und RDSO App	bonding thickness proved in sealed b 6mm- 01 No (5)	of min. 250m ag of 10 kgs -	consisting of : 1) (icron & UL listed of 03 No. (3) Coppe opper Cable to co	& marked-01 er strip 150 x

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedul	e A2-SOR E	XECUTION					1455685.15	
	1	20.00	Kg	177.84	3556.80	AT Par	3556.80	
1	pipes/its co	oupler as pe		h requisite no	of nut and bol		girder bridges/rock e requirement and	
	2	40.00	Set	5755.94	230237.60	AT Par	230237.60	
2	=1 Ohm compound practice. Al</td <td>consisting o &amp; constructi I the consun ures for the</td> <td>f a digging the on of chamber nables for mou</td> <td>e earth to req , measuremer inting the copp</td> <td>uired depth, insent of earth value aper tape inside the</td> <td>rtion of electr and all other v e relay room,</td> <td>latest, to construc ode, filling of eart work of earthing as Exothermic weld n If by the contractor</td> <td>h enhancing per code of naterials and</td>	consisting o & constructi I the consun ures for the	f a digging the on of chamber nables for mou	e earth to req , measuremer inting the copp	uired depth, insent of earth value aper tape inside the	rtion of electr and all other v e relay room,	latest, to construc ode, filling of eart work of earthing as Exothermic weld n If by the contractor	h enhancing per code of naterials and
	0	900.00	cum	380.80	342720.00	AT Par	342720.00	

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	Description	n:- Evcavati	on of cable tren	nch as nar cahl	e route plan 1 0	mt deen and	300mm wide alon	a side thew
	_			-	-		filling after cable	-
							ckness afer cleari	
							ore. If it is less, the	
							Il be made. In ca	
	trench is no	ot achievable	e due to site co	onditions, propo	ortionate paymer	nt will be made	as per procedure	e. The work
	shall be do	ne as per e	extant practice	on C.Rly & th	ne instruction of	Railway engir	neer at site. Drg	No SK 805
	(Inspection	by Consigne	ee)					
	4	60.00	cum	634.67	38080.20	AT Par	38080.20	
	Descriptio	n:- Excavation	on of cable tre	nch as per cab	le route plan, 1.0	0 mt. deep and	d 300mm wide ald	ng side the
							after cable laying	
							afer clearing of ro	
4							it is less, then th	
							nade. In case dep	
							procedure. The w	
	-	-	ctice on C.Riy	& the instructio	n of Hallway eng	jineer at site. L	Org No SK 805 (In	ispection by
	Consignee)	100.00	Metre	76.13	7613.00	AT Par	7613.00	
E				i i	l l			. 1
5							ng of ends with bri	ck masonry
	at both end		instruction of F		site. (Inspection	by Consignee)		
	6	60.00	cum	634.67	38080.20	AT Par	38080.20	
	Description:- Digging of trench 1.0 M deep from rail flange/road level (for LC) and, 0.3 Mtr to 0.6 Mtrs wide and							
6	_	•	-		•		verd separately).	
					-	rge or his rep	resentatives and	road tarred
	immediatel	y. Drg No SK	806 (Inspection	on by Consigne	e)	<del></del>		
	7	100.00	Metre	56.28	5628.00	AT Par	5628.00	
7	Descriptio	n:- Laying o	f DWC/RCC pip	oes alongwith o	collars / RCC Ha	If round pipes	in trenches at pla	ces of track
	and road cr	ossings, pla	tform cutting et	c. (Inspection I	oy Consignee)			
	8	100.00	Metre	143.54	14354.00	AT Par	14354.00	
	Descriptio	n:- Laying of	f GI pipes in on	bridges/culver	ts/concrete drain	n/ mountain ride	ges etc. with suita	ble GI bend
8	shall be pro	ovided where	e there is turnir	ng of pipe as p	er instructions of	f the site engin	eer. GI Clamps a	t every 2 m
						pipe before lay	ying as per instruc	ctions of the
	site engine	er. 100 mm (	dia. Drg No SK	808 (Inspectio	n by Consignee)			
	9	150.00	Metre	2840.21	426031.50	AT Par	426031.50	
	Descriptio	n:- Horizonta	al boring of cal	ole duct of min	imum 2.0 Mtr de	pth along with	laying of 120mm	HDPE pipe
	for track ci	rossing with	minimum dep	th reckoned fr	om bottom of t	he rail/Road c	rossing with mini	mum depth
9							instructions of sit	
							Representative. F	
							and adequate nos	
						siy so that it sr	nould not get dam	tage due to
	1		ure on cable. (I			AT Davi	01110.05	
40	10	15.00	Kilometre	6076.59	91148.85	AT Par	91148.85	
10	-		f HDPE duct in	trench and its	protective work	as per directior	n of site engineer.	(Inspection
	by Consign							
	<del>                                     </del>	· ·		1	Т	П		
	11	ee) 20.00	Kilometre	12911.75	258235.00	AT Par	258235.00	
11	11 Descriptio	20.00 <b>n:-</b> Blowing/			l l		258235.00 work, as per direc	ction of site

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedul	Schedule A3-NS ITEMS						57875750.14	
	1	2.00	Numbers	5156328.47	10312656.94	AT Par	10312656.94	

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ı	Channelized repeater. The item consists (a)Off-Air Channelized repeater (Bi-Directional Amplifier) as per RE specifications No. RDSO/SPN/TC/109/2023 with latest Amendment/Revision (b) Optical Master Unit along as RDSO specifications No. RDSO/SPN/TC/109/2023 with latest Amendment/Revision. With suitable interface should be able to connect to Tunnel ventilation control room/divisional control room (Inspection by RDSO)	per
	2 6.00 Numbers 3351613.34 20109680.04 AT Par 20109680.04	
2	Description:- Supply of Optical Remote Unit for VHF simplex system requirements mentioned in tender as specifications No. RDSO/SPN/TC/109/2023 with latest Amendment/ Revision and technical specs attached main and stand by connections to Optical Master Unit. One ORU should be able to connect minimum three ON (two at stations and one at in between tunnels). (Inspection by RDSO)	with
	3 9.00 Numbers 61006.00 549054.00 AT Par 549054.00	
3	<b>Description:-</b> "Supply of 3KVA/ 2.7KW True On Line Rack mounted UPS System Phase: 1P Input - 1P Ou Form Factor: 2U Size Dimension (W x D x H): 440 x 430 x 88mm. Make APC, Microtek or similar. Specification per Chapter 3 of Tender document. (Inspection by RITES)	
Ì	4 9.00 Set 133104.00 1197936.00 AT Par 1197936.00	
4	<b>Description:-</b> Supply of Lithium Battery: Battery Configuration: 72V/38AH Dimension (W x D x H) (+/- 2m 483 x 620 x 176mm .Make Exide, Enertect or similar (Inspection by RITES)	nm)։
5	Description:- Supply, Installation and Configuration of Network Monitoring System for all technolog including all Hardware (PC, printer ,scanner,cables,connectors etc) and Software as per Technical Specificatio chapter 3 of tender document. (Inspection by consignee)	
	6 30.00 Numbers 3327.68 99830.40 AT Par 99830.40	
6	<b>Description:-</b> Patch cord with connectors as per OEM requirement-10 Mtrs of approved make. Deta Specification as per RDSO/SPN/TC/69/2007 Rev.0 or latest and as per chapter 3 of tender document. (Inspecibly consignee)	
	7 2.00 Numbers 396140.05 792280.10 AT Par 792280.10	
7	<b>Description:-</b> Supply of Voice Recording equipment as per RDSO Specification No. RDSO/SPN/TC/038/2002 (4 channels) with latest Amendment/Revision of approved quality. (Inspection by RDSO)	(per
Ì	8 1.00 Kilometre 221838.77 221838.77 AT Par 221838.77	
8	<b>Description:-</b> Supply of 1/2" RF Feeder Cable of approved make. Detailed Specification as per chapter 3 tender document (Inspection by RITES)	3 of
l_	9 30.00 Numbers 1330.76 39922.80 AT Par 39922.80	
9	<b>Description:-</b> Supply of N-Type Connectors for 1/2" Cable of approved make. Detailed Specification as chapter 3 of tender document (Inspection by consignee)	per
	10 7.00 Kilometre 998273.39 6987913.73 AT Par 6987913.73	
10	<b>Description:-</b> Supply of 7/8" Leaky Radiating Cable as per specifications No. RDSO/SPN/TC/109/2023 or lat (Inspection by RDSO)	test.
Ì	11 30.00 Numbers 1552.82 46584.60 AT Par 46584.60	
11	<b>Description:-</b> Supply of N-Type Connectors for 7/8" Radiating cable of approved make. Detailed Specification per chapter 3 of tender document (Inspection by consignee)	n as
Ì	12 1200.00 Numbers 776.61 931932.00 AT Par 931932.00	
12	<b>Description:-</b> "Supply of Stainless Steel Clamps for 7/8" Radiating Cable anchored using SS Bolts and SS And Fastners (Stainless steel shall be a Cr-Ni-Mo alloy or Cr-Ni-Mo-Ti alloy, material No. 1.4404 or 1.4571 accord to EN 10088 resp. 316 S 11 or 320 S 31 according BS) of reputed make like HILTI or better. Detailed Specifical as per chapter 3 of tender document (Inspection by RITES)"	ding
	13 5250.00 Numbers 510.21 2678602.50 AT Par 2678602.50	
13	<b>Description:-</b> Supply of Nylon Clamps for 7/8" Radiating Cable using Stainless Steel Self-Anchoring Expansional Bolts of reputed make like HILTI or better. Detailed Specification as per chapter 3 of tender document (Inspecibly RITES)	
	14 24.00 Numbers 3327.68 79864.32 AT Par 79864.32	
14	<b>Description:-</b> Supply of Jumper Cables 1 mtr in 1/2"SF Cable with N-N /DM NM terminations as per OEN approved make. Detailed Specification as per chapter 3 of tender document (Inspection by consignee)	√l of
	15 16.00 Numbers 15529.17 248466.72 AT Par 248466.72	

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	Descriptio (Inspection		litter of appro	oved make. Det	ailed Specification	n as per ch	apter 3 of tender	document
	16	14.00	Numbers	15529.17	217408.38	AT Par	217408.38	
16	_	n:- 30dB on on spection by	-	pproved make	. Detailed Speci	fication as	per chapter 3	of tende
	17	20.00	Numbers	3867.37	77347.40	AT Par	77347.40	
17	-		mination Load	` ,	f approved make.	Detailed Spe	ecification as per c	chapter 3 o
	18	10.00	Numbers	10312.24	103122.40	AT Par	103122.40	
18	Description	n:- Supply of	RF lighting ar	nd Surge Arresto	or protection of app	oroved make	. (Inspection by RI	TES)
	19	4.00	Numbers	15529.17	62116.68	AT Par	62116.68	•
19	_		_	Antenna in VHF Inspection by R	Frequency Band	of approved	I make. Detailed S	Specification
	20	16.00	Numbers	38822.00	621152.00	AT Par	621152.00	
20	_	-		Antenna in VHF tion by RITES)	Band at Portals	of Tunnels.	Detailed Specifica	ition as pe
	21	1.00	Kilometre	6800.26	6800.26	AT Par	6800.26	
21	-	<b>n:-</b> Laying o	f RF Cable		vith descriptions o	of antenna,		ccessories
	22	25.00	Kilometre	5629.37	140734.25	AT Par	140734.25	
22	-			power/telecom/q by consignee)	uad/OFC cable	of various	sizes in trench/	pipes/cable
	23	200.00	Metre	415.95	83190.00	AT Par	83190.00	
23	_	n:- Supply o		th thread collar	of 40mm nomina	l bore, speci	ification No. IS-12	39 mediun
	24	500.00	Metre	712.23	356115.00	AT Par	356115.00	
24	material, a GI/DWC/plb contractor v	fter laying on the pipes will be arranged by the rail	of GI/DWC/pl e supplied by ed where digg	o pipes and th the railway. NOT ging of concrete	ole trench 0.5 Met len re-filling the E: Proportionate p tunnel surface up t site and should b	trench as poayment aga to 0.5 mtr de	per Technical Sp inst the work exec pth is not possible	ecifications cuted by the , this has to
	25	<i>(</i>						(Inspection
25		7 00	Kilometre	374674 46	2622721 22	AT Par	2622721 22	(Inspection
					2622721.22 accessories on tu		2622721.22 ng with required a	
	with contrac	n:- Laying of ctors tools, P	7/8" LCX cab lant, labour et	ole and required c complete. (Ins	accessories on tu pection by consign	nnel wall alo	ng with required a	
	with contract	n:- Laying of ctors tools, P 3000.00	7/8" LCX cab lant, labour et Metre	ole and required c complete. (Insp 2021.00	accessories on tu pection by consign 6063000.00	nnel wall alo ee) AT Par	ng with required a	accessories
26	with contract 26  Description 100 micron between the	n:- Laying of ctors tools, P 3000.00 n:- Supply ar s. The strip e strips shall	7/8" LCX cab lant, labour et Metre and installation shall be mour be done by ex	ole and required c complete. (Ins 2021.00 of 50x6 mm conted on insulator	accessories on tu pection by consign 6063000.00 pper coated steel s at every meter g to ensure 100%	nnel wall alo ee)  AT Par  strip with co	ng with required a 6063000.00 pper coating thick tact with the wall.	ness of mir
26	with contract 26  Description 100 micron between the	n:- Laying of ctors tools, P 3000.00 n:- Supply ar s. The strip e strips shall	7/8" LCX cab lant, labour et Metre and installation shall be mour be done by ex	ole and required c complete. (Ins 2021.00 of 50x6 mm conted on insulator cothermic welding	accessories on tu pection by consign 6063000.00 pper coated steel s at every meter g to ensure 100%	nnel wall alo ee)  AT Par  strip with co	ng with required a 6063000.00 pper coating thick tact with the wall.	ness of mir
	with contract 26  Description 100 micron between the shall be UL 27  Descriptio Radio Unit	n:- Laying of ctors tools, P 3000.00 n:- Supply ar s. The strip se strips shall listed. make 2.00 n:- Installation and linking was a strip of the control of the ctors of the	7/8" LCX cab lant, labour et Metre nd installation shall be mour be done by ex- JMV or better Numbers on, Configurat with the Mast	ole and required c complete. (Inspection by 77973.14 ion, testing, mo	accessories on tu bection by consign 6063000.00 pper coated steel is at every meter g to ensure 100% RITES)	nnel wall alo ee)  AT Par strip with co to avoid con electrical coi  AT Par Commissionir	6063000.00 pper coating thick tact with the wall. ntact. The exother  155946.28 ng of Off-Air BDA	ness of mir the jointing mic welding
	with contract 26  Description 100 micron between the shall be UL 27  Descriptio Radio Unit (Inspection	n:- Laying of ctors tools, P 3000.00 n:- Supply as s. The strip setrips shall listed. make 2.00 n:- Installation and linking we consigned.	7/8" LCX cat lant, labour et Metre nd installation shall be mour be done by ex-JMV or better Numbers on, Configurat with the Maste)	ole and required to complete. (Inspection of 50x6 mm conted on insulator to thermic welding (Inspection by 77973.14) ion, testing, moer unit for Re-britansia.	accessories on tubection by consign 6063000.00 pper coated steel s at every meter g to ensure 100% RITES) 155946.28 initoring and Croadcast. Also incl	nnel wall alo ee)  AT Par strip with co to avoid con electrical con AT Par Commissionir	6063000.00 pper coating thickle tact with the wall. ntact. The exother 155946.28 ng of Off-Air BDA ation & configuration	ness of mir the jointing mic welding
27	with contract 26  Description 100 micron between the shall be UL 27  Description Radio Unit (Inspection 28  Description	n:- Laying of otors tools, P  3000.00 n:- Supply are strips shall listed. make 2.00 n:- Installation and linking why consigned 6.00 n:- Installation.	7/8" LCX cat lant, labour et Metre nd installation shall be mour be done by ex-JMV or better Numbers on, Configurat with the Maste)  Numbers n, Configuration, Configuration, Configuration, Configuration, Configuration, Configuration, Configuration, Configuration,	ole and required to complete. (Inspection by Inspection by Inspection by Inspection for testing, more unit for Re-but 18353.44 on, testing, mone of testing, mone of the state	accessories on tubection by consign 6063000.00 pper coated steel rs at every meter g to ensure 100% RITES) 155946.28 initoring and Croadcast. Also incident and Committee and Commit	nnel wall alo ee)  AT Par strip with co to avoid con electrical con AT Par Commissionir ludes installa  AT Par	6063000.00 pper coating thick tact with the wall. ntact. The exother  155946.28 ng of Off-Air BDA ation & configuration 290120.64 Remote Optical uni	ness of min the jointing mic welding /Main Base on of NMS
27	with contract 26  Description 100 micron between the shall be UL 27  Description Radio Unit (Inspection 28  Description required ac	n:- Laying of ctors tools, P  3000.00 n:- Supply as s. The strip se strips shall listed. make 2.00 n:- Installation and linking who consigned 6.00 n:- Installation cessories. Al	7/8" LCX cablant, labour et  Metre  Ind installation Shall be mour be done by ex- JMV or bette  Numbers on, Configurat with the Maste e)  Numbers n, Configurati so includes in	ole and required to complete. (Inspection of 50x6 mm conted on insulator cothermic welding (Inspection by 77973.14 ion, testing, more unit for Re-bit 48353.44 on, testing, monestallation & confi	accessories on tubection by consign 6063000.00 pper coated steel s at every meter g to ensure 100% RITES) 155946.28 initoring and Croadcast. Also included attoring and Comming guration of NMS. (	nnel wall alo ee)  AT Par strip with co to avoid con electrical con AT Par Commissionir ludes installa  AT Par issioning of F	6063000.00 pper coating thickle tact with the wall. Intact. The exother 155946.28 Ing of Off-Air BDA ation & configuration 290120.64 Remote Optical unity consignee)	ness of mir the jointing mic welding /Main Base on of NMS
27	with contract 26  Description 100 micron between the shall be UL 27  Description Radio Unit (Inspection 28  Description required ac 29	n:- Laying of otors tools, P  3000.00  n:- Supply and setting settings shall listed. maked 2.00  n:- Installation and linking with the setting shall linking shall linking with the setting shall linking sha	7/8" LCX cat lant, labour et Metre nd installation shall be mour be done by ex-JMV or better Numbers on, Configurat with the Mastre)  Numbers n, Configuration of Configuration	ole and required to complete. (Inspection of 50x6 mm conted on insulator wothermic welding (Inspection by 77973.14) ion, testing, more unit for Re-bit 48353.44 on, testing, monestallation & confiction of the co	accessories on tubection by consign 6063000.00 pper coated steel its at every meter g to ensure 100% RITES) 155946.28 initoring and Coadcast. Also included itoring and Comminguration of NMS. (592394.12	AT Par Commissionir ludes installa  AT Par	6063000.00 pper coating thick tact with the wall. ntact. The exother  155946.28 ng of Off-Air BDA ation & configuration 290120.64 Remote Optical unity consignee) 592394.12	ness of mir the jointing mic welding /Main Base on of NMS
27	with contract 26  Description 100 micron between the shall be UL 27  Description Radio Unit (Inspection 28  Description required ac 29  Description As-Built Rep	n:- Laying of otors tools, P  3000.00 n:- Supply are strips shall listed. make 2.00 n:- Installation and linking why consigned 6.00 n:- Installation cessories. Al  1.00 n:- Conduction port and sub-	7/8" LCX cat lant, labour et Metre nd installation shall be mour be done by exp. JMV or better Numbers on, Configurate with the Master on, Configuration of Con	ole and required c complete. (Ins 2021.00 of 50x6 mm conted on insulator cothermic welding (Inspection by 77973.14 ion, testing, more unit for Re-bit 48353.44 on, testing, monestallation & confict 592394.12 e Tests with Ral Design Docum	accessories on tubection by consign 6063000.00 pper coated steel s at every meter g to ensure 100% RITES) 155946.28 initoring and Croadcast. Also included attoring and Comming guration of NMS. (	AT Par Commissionir ludes installa  AT Par AT Par Strip with column to avoid con electrical column.  AT Par Commissionir ludes installa  AT Par dissioning of F Inspection by AT Par as Testing	6063000.00 pper coating thick tact with the wall. ntact. The exother  155946.28 ng of Off-Air BDA ation & configuration at configuration at consigned processions of the consistency of the consisten	ness of min the jointing mic welding /Main Base on of NMS
227 228 229	with contract 26  Description 100 micron between the shall be UL 27  Description Radio Unit (Inspection 28  Description required ac 29  Description As-Built Rep	n:- Laying of otors tools, P  3000.00 n:- Supply are strips shall listed. make 2.00 n:- Installation and linking why consigned 6.00 n:- Installation cessories. Al  1.00 n:- Conduction port and sub-	7/8" LCX cat lant, labour et Metre nd installation shall be mour be done by exp. JMV or better Numbers on, Configurati with the Mastre)  Numbers n, Configurati so includes in Lumpsum ang Acceptance mission of fina	ole and required c complete. (Ins 2021.00 of 50x6 mm conted on insulator cothermic welding (Inspection by 77973.14 ion, testing, more unit for Re-bit 48353.44 on, testing, monestallation & confict 592394.12 e Tests with Ral Design Docum	accessories on tubection by consign 6063000.00 pper coated steel is at every meter g to ensure 100% RITES) 155946.28 initoring and Coadcast. Also include itoring and Comminguration of NMS. (592394.12 ilway. This include	AT Par Commissionir ludes installa  AT Par AT Par Strip with column to avoid con electrical column.  AT Par Commissionir ludes installa  AT Par dissioning of F Inspection by AT Par as Testing	6063000.00 pper coating thick tact with the wall. ntact. The exother  155946.28 ng of Off-Air BDA ation & configuration at configuration at consigned processions of the consistency of the consisten	ness of min the jointing mic welding /Main Base on of NMS
27	with contract 26  Description 100 micron between the shall be UL 27  Description Radio Unit (Inspection 28  Description required ac 29  Description As-Built Rep documentat 30	n:- Laying of otors tools, P  3000.00 n:- Supply as s. The strip se strips shall listed. make 2.00 n:- Installation and linking who consigned 6.00 n:- Installation cessories. Al 1.00 n:- Conducting out and subtion. (Inspect 1.00)	7/8" LCX cablant, labour et  Metre Ind installation Ind i	ole and required c complete. (Ins 2021.00) of 50x6 mm conted on insulator cothermic welding (Inspection by 77973.14) ion, testing, more unit for Re-bit 48353.44 on, testing, monetallation & confict 592394.12 or Tests with Rail Design Documbee) 200400.41	accessories on tubection by consign 6063000.00 pper coated steel s at every meter g to ensure 100% RITES)  155946.28 nitoring and Croadcast. Also included itoring and Comminguration of NMS. (592394.12 illway. This included tent Submission of 200400.41	AT Par Strip with conto avoid conelectrical	6063000.00 pper coating thick tact with the wall. ntact. The exother  155946.28 ng of Off-Air BDA ation & configuration 290120.64 Remote Optical unity consignee) 592394.12 - with Railway, prenuals and training	ness of mir the jointing mic welding /Main Base on of NMS t along with
227	with contract 26  Description 100 micron between the shall be UL 27  Description Radio Unit (Inspection 28  Description required ac 29  Description As-Built Rep documentat 30  Description storage dev Drawings p	n:- Laying of stors tools, P  3000.00 n:- Supply and settings shall listed. maked 2.00 n:- Installation and linking with the settings shall listed. maked 2.00 n:- Installation and linking with the settings of the settings	7/8" LCX catalant, labour et Metre Ind installation shall be mour be done by exployed on the Configuration of Lumpsum Ing Acceptance In Copy submis	ole and required c complete. (Ins 2021.00) of 50x6 mm conted on insulator cothermic welding (Inspection by 77973.14) ion, testing, more unit for Re-bit 48353.44 on, testing, monestallation & confict 592394.12 be Tests with Rail Design Documber) 200400.41 ent like Plans, Design minimum 06	accessories on tubection by consign 6063000.00 pper coated steel rs at every meter g to ensure 100% RITES) 155946.28 initoring and - Coadcast. Also incident Submission of Section 1592394.12 plays. This include the statement Submission of the statement Submission	AT Par Strip with conto avoid	6063000.00 pper coating thick tact with the wall. ntact. The exother  155946.28 ng of Off-Air BDA ation & configuration & configuration of the configuration	ness of min the jointing mic welding /Main Base on of NMS t along with
27	with contract 26  Description 100 micron between the shall be UL 27  Description Radio Unit (Inspection 28  Description required ac 29  Description As-Built Rej documentar 30  Description storage dev	n:- Laying of stors tools, P  3000.00 n:- Supply and settings shall listed. maked 2.00 n:- Installation and linking with the settings shall listed. maked 2.00 n:- Installation and linking with the settings of the settings	7/8" LCX catalant, labour et Metre Ind installation shall be mour be done by exployed on the Configuration of Lumpsum Ing Acceptance In Copy submis	ole and required c complete. (Ins 2021.00) of 50x6 mm conted on insulator cothermic welding (Inspection by 77973.14) ion, testing, more unit for Re-bit 48353.44 on, testing, monestallation & confict 592394.12 be Tests with Rail Design Documber) 200400.41 ent like Plans, Design minimum 06	accessories on tubection by consign 6063000.00 pper coated steel is at every meter g to ensure 100% RITES) 155946.28 initoring and Croadcast. Also included itoring and Comminguration of NMS. (592394.12 illway. This included into Submission of 200400.41 rawings and As-B Coopies in A3 size	AT Par Strip with conto avoid	6063000.00 pper coating thick tact with the wall. ntact. The exother  155946.28 ng of Off-Air BDA ation & configuration & configuration of the configuration	ness of miness of miness of miness of mines welding mines welding mines welding mines welding mines welding mines welding mines and testing of the copy of the cop

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31	<b>Description:-</b> Excavation, ramming, Casting Cement Concrete foundation of dimension 600mm x 600mm (L x W x H) in the ratio of 1:3:6,for fixing floor mount rack for housing telecom equipment inside the tunnel at Trolly refuge or as per direction of Engineerin-charge, using standard size galvanized 4 nos. Anchor bolts & nuts (also referred to as foundation bolts) conforming to IRS Drg. No. SA-116A/M. For erection of concrete foundation, making the concrete surface rough (to ensure fixing of foundation firmly with concrete surface of tunnel), complete with contractor's material including cement, sand, stones, anchor bolts and nuts and curing of casted foundation, refilling, ramming, & restoration of concreting layer around foundation and replacing the top surface with smooth finishing also disposal of loose concreting dust from site. Cable duct with HDPE pipe of size 63/50mm to be provided inside the foundation aligned diagonally for cable entry into the rack by contractor with all materials. The cost of carrying all material required for foundation i.e. cement, sand, stones, anchor bolts & nuts, etc. to the spot inside the tunnels (irrespective of distance from the station) to be borne by contractor only. (Inspection by consignee)						
	32	100.00	Numbers	543.82	54382.00	AT Par	54382.00
32	approved		d Specificatio	•			as per OEM requirement o est and chapter 3 of tender
	33	100.00	Numbers	627.11	62711.00	AT Par	62711.00
33	approved		d Specificatio	•	•	,	as per OEM requirement o est and chapter 3 of tender
	34	200.00	Metre	151.61	30322.00	AT Par	30322.00
34				•	and copper conductor document (Inspection)		- armoured cable of reputed signee)
	35	3000.00	Metre	55.00	165000.00	AT Par	165000.00
35	-				er RDSO Specifica and plug etc. (Inspe		SO/SPN/TC/45/2013 Rev 2.0 signee)
	36	10000.00	Metre	28.78	287800.00	AT Par	287800.00
36	-		_	de 6 fibre arm nilar (Inspection		e as per IT	U-TG 652D cable . Make
	37	20.00	Numbers	4974.67	99493.40	AT Par	99493.40
37	terminating splice cove grommets materials.	g the optic fibe er for pigtail sp shall be prov LIU should be	er cables. It sholicing. Cable vided at the coordinate of reputed	nall provide mini glands shall be cable entry poir make. Pigtails/p	mum bending rad provided for secunt for tight sealing	ius and the spred anchoring The splice supplied alo	LIU should be provided for blice trays shall function as a g of incoming cables. Rubber tray shall be made of ABS ongwith the LIU by the firm (nee).
00	38	50.00	Numbers	2008.36	100418.00	AT Par	100418.00
38	Description	n:- Supply of	OFC jointing I		ke D link or similar	(Inspection b	oy consignee)
	39	200.00	Numbers	123.06	24612.00	AT Par	24612.00
39	fusion splicopy) shall	cing for termin	nation of OFC to railways s	cables. The fit ite incharge for	pers terminated sh	all be tested	inal Joints/jointing kit through and test report (hard & sof perly marked with necessary

### 3. ITEM BREAKUP

No item break up added

### 4. ELIGIBILITY CONDITIONS

### **Special Financial Criteria**

S.N	· ·	Confirmation Required		Documents Uploading
1	As the tender cost is more than 50 lakhs, the eligibility criteria is applicable. The annexure VI- B as mentioned in GCC 2022 (with latest amendment )should be submitted along with relevant /supporting document. Other terms and conditions are as per tender document and GCC 2022 with latest amendment.	No	INO	Allowed (Mandatory)

#### **Special Technical Criteria**

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S.No.		Confirmation Required		Documents Uploading
1	As the tender cost is more than 50 lakhs, the technical eligibility criteria is applicable as mentioned in GCC 2022 (with latest amendment). Other terms and conditions are as per tender document and GCC 2022 (with latest amendment). Similar work definition for this tender - Any work involving the scope of Supply, Installation, Testing and Commissioning of tunnel radio communication system using leaky cables.	No	No	Allowed (Mandatory)

#### **Special Technical Criteria**

S.No.	•	Confirmation Required		Documents Uploading
1	Tender specific OEM authorization must be submitted along with the offer for the items mentioned below. The authorization shall consist of i. Product is not end of life . ii. Support for the offered product will be available till completion of codal life. Authorization shall be provided for Schedule A3- Item no. 1,2,5 and 7. The offers will be summarily rejected in absence of authorization (s) . No Bidder / Tenderer(s) shall demand any explanation for the cause of rejection of his/their tender nor the Railways undertake to assign reasons for declining to consider or reject any particular tender or tenders.	No	IN∩	Allowed (Mandatory)

#### Bidders shall confirm and certify on the behalf of the tenderer including its constituents as under:

S.No.	Description
1	I/we the tenderer (s) am/are signing this document after carefully reading the contents.
2	I/We the tenderer(s) also accept all the conditions of the tender and have signed all the pages in confirmation thereof.
3	I/we hereby declare that I/we have downloaded the tender documents from Indian Railway website www.ireps.gov.in . I/we have verified the content of the document from the website and there is no addition, no deletion or no alteration to the content of the tender document. In case of any discrepancy noticed at any stage i.e. evaluation of tenders, execution of work or final payment of the contract, the master copy available with the railway Administration shall be final and binding upon me/us.
4	I/we declare and certify that I/we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.
5	I/We also understand that my/our offer will be evaluated based on the documents/credentials submitted along with the offer and same shall be binding upon me/us.
6	I/We declare that the information and documents submitted along with the tender by me/us are correct and I/we are fully responsible for the correctness of the information and documents, submitted by us.
7	I/we certify that I/we the tenderer(s) is/are not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of submission of bids, either in individual capacity or as a HUF/ member of the partnership firm/LLP/JV/Society/Trust.
8	I/we understand that if the contents of the certificate submitted by us are found to be forged/false at any time during process for evaluation of tenders, it shall lead to forfeiture of the Bid Security and may also lead to any other action provided in the contract including banning of business for a period of upto two year. Further, I/we and all my/our constituents understand that my/our offer shall be summarily rejected.
9	I/we also understand that if the contents of the certificate submitted by us are found to be false/forged at any time after the award of the contract, it will lead to termination of the contract, along with forfeiture of Bid Security/Security Deposit and Performance guarantee and may also lead to any other action provided in the contract including banning of business for a period of upto two year.
10	I/We have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India and certify that I am/We are not from such a country or, if from such a country, have been registered with the competent Authority. I/We hereby certify that I/we fulfil all the requirements in this regard and am/are eligible to be considered (evidence of valid registration by the competent authority is enclosed)

## Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc.

S.No.	Description
Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc. Please submit a certificate in the prescribed format (please download the format from the link given below). Non submission of the certificate, or submission of certificate either not properly filled in, or in a format other than the prescribed format shall lead summary rejection of your offer.  (Click here to download the Format of Self Certification)	

## 5. COMPLIANCE

#### Commercial-Compliance

S.No.	Description	Confirmation	Remarks	Documents
		Required	Allowed	Uploading

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	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.		IVΔc	Allowed (Optional)
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#### **General Instructions**

,	S.No.		Confirmation Required		Documents Uploading
1		As per tender document and GCC 2022 with latest amendments	No	No	Not Allowed

#### 6. Documents attached with tender

S.No.	Document Name	Document Description
1	Tunneltender27.06.24.pdf	Tender document
2	Cablecutpolicyfortenderdocument.pdf	
3	GCCAPRIL2022WithAdvanceSlips1- 6.pdf	GCC April 2022 with correction slip
4	RDSOspecificationtunnel.pdf	RDSO specification of tunnel

This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Induswww 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: NIKHIL PRAKASH GAIKWAD

**Designation: DSTEN1** 

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