

Pre Bid Response & Corrigendum Document

For

Selection of Agency for Fiber Rollout & Deployment for Creation of OFC Backbone Link In Bastar Division In The State Of Chhattisgarh under BastarNet Project



**CHhattisgarh infotech & biotech Promotion Society
(CHiPS)**

**State Data Center Building, Near Police Control Room,
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Tender Reference Number:

28/CEO/ CHiPS /BastarNet/ /2016

Dated 26/10/2016

Project Name:

Selection of Agency for Fiber Rollout & Deployment for Creation of OFC Backbone Link In Bastar Division In The State Of Chhattisgarh under BastarNet Project

Reference Number:

Pre Bid Response 01/CEO/CHiPS/BastarNet/2016

Dated 11th November, 2016

Last date and time for submission of bids:

21st November 2016 at 03:00 PM

Physical Submission of EMD/DD:

21st November 2016 at 03:00 PM to 5:00 PM

Date of Technical Bid Opening:

22nd November 2016 at 11:00 AM

Note: Bidder are requested to please submit the signed copy of this corrigendum with the Technical Bid in envelope B.

Corrigendum and Addenda:-

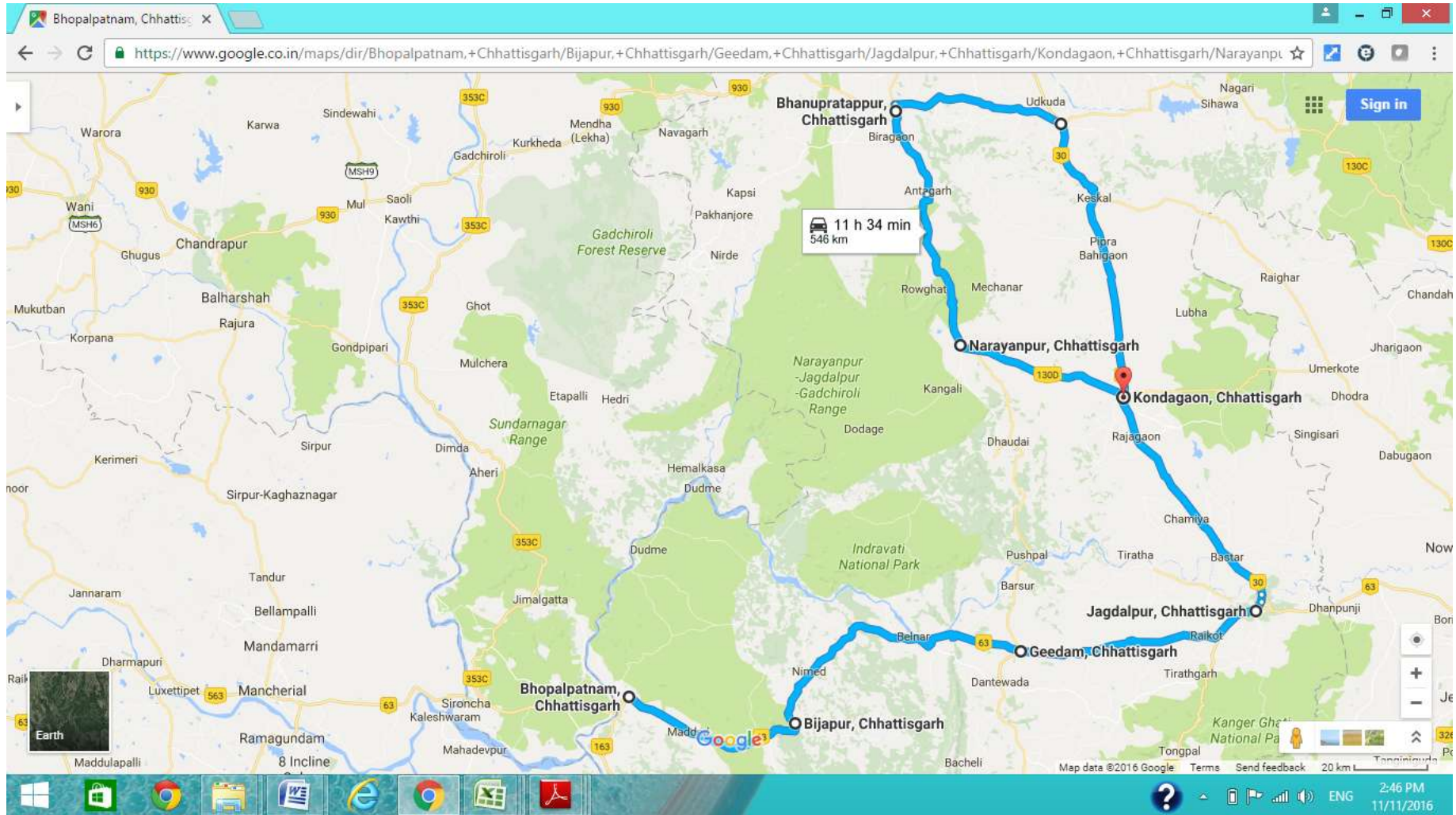
A. The following Addenda are to be read, as mentioned below at **Page no.46, in 5 under Scope of Work.**
Latitude and Longitude for Links are as below

Sl. No.	location	type	Latitude	Longitude
1	Bhanupratapur	BHQ	20.30937400	81.06650600
2	Bhopalpatnam	BHQ	18.86419800	80.38538900
3	GEEDAM	BHQ	18.97491200	81.39669500
4	kondagaon	BHQ	19.58984200	81.66546300
5	Konta	BHQ	17.81180600	81.37972200
6	Bijapur	DHQ	18.79560500	80.81846700
7	Dantewada	DHQ	18.90962900	81.34354300
8	Jagdapur	DHQ	19.08840600	82.02345000
9	Kanker	DHQ	20.26727200	81.49899600
10	Narayanpur	DHQ	19.72611500	81.23330700
11	Sukma	DHQ	18.38676900	81.68273300
12	Dornapal	Nagar Panchayat	18.15052800	81.50588900

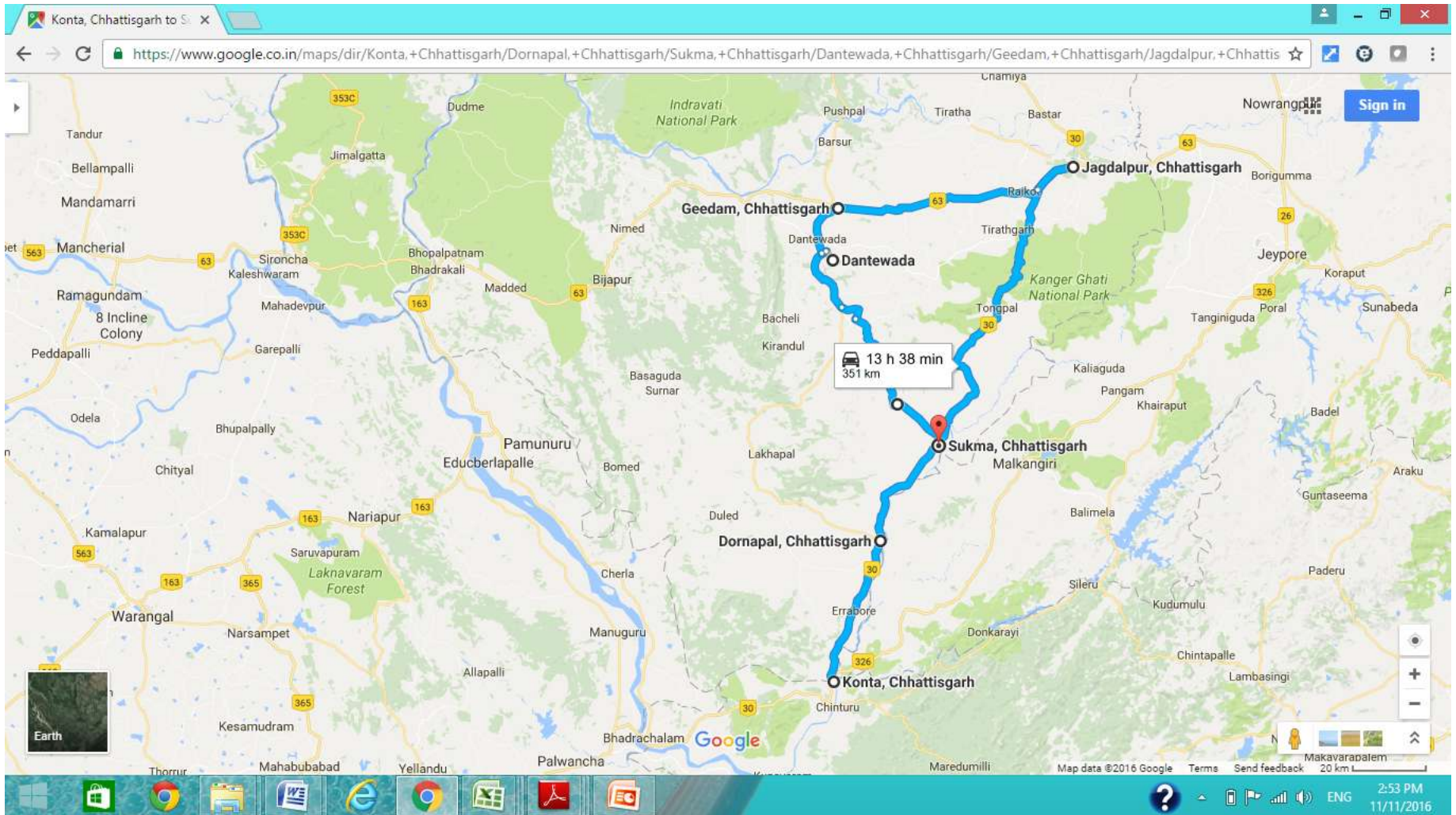
B. The following Addenda are to be read, as mentioned below at **Page no.46, Section 5 under Scope of Work.**

The Amended Pictorial view and details of Ring and Link is as below

Ring 1:



Ring 2 :



Note: Jagdalpur to Geedam OFC laying Link will be complete by Ring 1 Bidder.

C. The following Addenda are to be read, as mentioned below at **Page no.94, Section 4.3 under Optical Fibre Cable & Installation**
Intrusion proof cable is not required. The Minimum Specification of 48F Armoured Cable is as per below.

Type-A: 48 F Single Mode Multi Thread Armoured Cable G.652D

Minimum Technical Specification Sheet							
Cable Description	48F SM MT Arm. Cable						
Type of Fibre	Single Mode, G.652D						
Cable Construction details							
Central Strength Member	Fibre Reinforced Plastic [FRP Rod], Dia-1.5-0/+0.1mm						
No.of Fibres per Tube	12 Fibres/Tube						
Moisture Barrier	Flooding Jelly in Core						
Fibre Colour	1 Blue	2 Orange	3 Green	4 Brown	5 Slate	6 White	7 Red
	8 Black	9 Yellow	10 Violet	11 Rose	12 Aqua		
Loose Tubes	4 nos, PBTP Loose Tube Filled with Thixotropic Jelly						
Loose Tubes Colour	Blue,Orange, Green & Brown						
Core Sequence	Blue, Orange, Green, Brown & Dummy-1						
Core Wrapping	Polyster Tape						
Core Binder	PP Binder/Polyster Binder						
Moisture Barrier	Water Swellable Tape						
Armouring	Corrugated ECCS Tape						
Rip cords	2No.s Poly. Ripcord (2200Dtex*3ply) below Armour						
Outer Sheath	HDPE Black Colour (Thickness=1.7±0.1mm)						
Cable Optical Characteristics							
Attenuation at 1310 nm	≤ 0.34 dB/Km						
Attenuation at 1550 nm	≤ 0.20 dB/Km						
Attenuation at 1625 nm	≤ 0.23 dB/Km						
Cable Mechanical Characteristics							
Test Parameter	Test Procedure	Specification Requirement				Acceptance Criteria	
Tensile Strength	IEC 60794-1-2-E1	9.81*1.3*W (W=Weight of 1Km of Cable) @≤0.25% Strain				Change in att. Is ≤ 0.05db, No Damage or crack on Cable & no Fibre Break	
Crush Load	IEC 60794-1-2-E3	4000N (100*100mm) for 60sec					

Torsion	IEC 60794-1-2-E7	2m($\pm 180^\circ$),10Kg,10Cycles	
Impact	IEC 60794-1-2-E4	Height=0.5m,W=50N	
Min. Bending Radius	IEC 60794-1-2-E6	20D, D= Cable Outer Dia.	
Temperature Cycling	IEC 60794-1-2-F1	Laying & Installation:-10°C to +60°C Operation:-20°C to +70°C Transport & Storage: -20°C to +70°C	
Kink	IEC 60794-1-2-E10	10D, D= Cable Dia.	No Kink
Water Penetration	IEC 60794-1-2-F5	1m Water Head,3m Cable Sample,24hr	Pass
Cable Physical Characteristics			
Cable Outer Diameter	10.5 \pm 0.5 mm	Cable Length	4000 mtrs \pm 5 % (As per PPC Instruction)
Nominal Cable Weight	117 Kg/Km \pm 5%		

D. The following Addenda are to be read, as mentioned below at **Page no.94, Section 4.5 under Overhead ADSS Aerial Cable**

The Minimum Specification of 48F Overhead ADSS Cable is as per below

Minimum Technical Specification							
Cable Description	48F SM MT ADSS CABLE						
Type of Fibre	Single Mode, G.652.D						
Cable Construction details							
Central Strength Member	Fibre Reinforced Plastic [FRP Rod] ,Dia- 2.2\pm0.1mm						
No. of Fibres per Tube	8 Fibres/Tube						
Fibre Colour	1 Blue	2 Orange	3 Green	4 Brown	5 Slate	6 White	7 Red
	8 Black						
Loose Tubes	6 nos, PBTP Loose Tube Filled with Thixotropic Jelly (2.0\pm0.1mm)						
Loose Tubes Colour	1 Blue	2 Orange	3 Green	4 Brown	5 Slate	6 White	
Moisture Barrier	Water Swellable Yarn wrapped over FRP Rod (1 No.)						

Core Wrapping	Water Swellable Tape		
Peripheral Strength Member	Aramid Yarn		
Rip cords	2No.s Polyester 3ply Ripcord below Sheath		
Outer Sheath	HDPE Orange Colour (Thk-1.8 mm nominal)		
Cable Optical Characteristics			
Attenuation at 1310 nm	≤ 0.36 dB/Km		
Attenuation at 1550 nm	≤ 0.22 dB/Km		
Attenuation at 1625 nm	≤ 0.25 dB/Km		
Cable Mechanical Characteristics			
Temperature Range [IEC 60794-1-2-F1]	Laying and Installation: '-20° to +60°C Operating: '-20° to +70°C Transport and Storage: '-20° to +70°C		
Cable Bending Radius [IEC 60794-1-2-E11 A]	During Installation (Full Load): 20 x D, D = Cable Diameter Installed (No Load): 15 x D, D = Cable Diameter		
Repeated Bending [IEC 60794-1-2-E6]	30 Cycle, r = 20 X D, 10kg Load, D = Cable Diameter		
Tensile Force [IEC 60794-1-2-E1]	4500 N		
Torsion Resistance (IEC 60794-1-2-E7)	10 Cycle (± 180°) 5 Kg Weight, L= 2 Mtr		
Impact Resistance (IEC 60794-1-2-E4)	Height 500 mm, Weight = 5 Kg, 3 Nos		
Crush Resistance [IEC 60794-1-2-E3]	2000 N (100 X 100 mm) for 60 sec		
Water Penetration (IEC 60794-1-2-F5B)	1 Mtr Water Head, 3 Meter Cable Sample, 24 Hours		
Cable Physical Characteristics			
Cable Outer Diameter	11 ± 0.5mm	Nominal Cable Weight	90 Kg/Km

Wind Speed: 80 Km/Hr
Span: Up to 100 Mtr.

E. The following point is added, as mentioned below **Page no.94, Section 4.5 under Overhead ADSS Aerial Cable**

Universal Pole Accessories should be supplied by bidder. The details of the supply is as below

Tension Pole Assembly

Twisted Link

- Stay Clamp
- Tension Hook
- Turn Buckle
- Extension Link
- Thimble
- Terminating Helix
- Jumper Cable Clamp
- Protective Helix

F. The following Addenda are to be read, as mentioned below at at Page No. 23 under 4.15 Deciding Award of Contract point no. V

- a) After acceptance of LoI the bidder will be conduct **LiDAR Based** site survey for Ring Awarded to Bidder. After Approving of Site Survey report and Bill of Material (BoM) by CHiPS, Performance Security shall be deposited as specified in this document for entering into a Contract with CHiPS.
- b) The Cost for LiDAR based Site survey will be include in Financial Proposal.

Note: Please read **LiDAR Based** site survey instead of Site survey mentioned in the RFP.

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	Section & Page Number	Clause No.			
1	Sec-5, Page No.46		Underground OFC Laying in Ring 1 : The following are the district/Tehsil /Blocks covered under Ring 1 Architecture	Kindly share the Lat/Long of End points of Dist./Tehsil office location falling under Ring 1.	Lat/Long of link termination points is attached in Corrigendum
2	Sec-5, Page No.46		Underground OFC Laying in Ring 2: The following are the district/Tehsil /Blocks covered under Ring 2 Architecture	Kindly share the Lat/Long of End points of Dist./Tehsil office location falling under Ring 2.	Lat/Long of link termination points is attached in Corrigendum
3	Sec-5, Page No.67	5.4.20	All assets deployed in BastarNet including joint chamber, route chamber, major culvert location, bridges, route diversion, PoP location need to be captured with GPS coordinate and same to be mapped by Bidder on GIS map supplied by CHiPS.	As a input from CHiPS, Shape files for GIS based data loading will be required	GIS based data would provided by CHiPS
4	Sec-5, Page No.94	4.3	4.3 Optical Fiber Cable & Installation: Type A : Intrusion Proof Fiber Optic Cable [(48F Armoured G.652D)]	Kindly share the cable construction specifications of 48 F Armoured Optic Cable	Please read Corrigendum
5	Sec-5, Page No.94	4.5	4.5 Overhead ADSS Aerial Cable: Minimum Specification: 48 Core Optical Fiber G.652 D. ADSS Cable	Kindly share the cable construction specifications of 48 F ADSS Cable	Please read Corrigendum
6	Sec-5, Page No. 46 & 47		Underground OFC Laying in Ring 1 (Page 46) & The following are the pictorial view and details of Ring and Link wise installation and commissioning required under this project (Page 46)	Links Geedam to Bijapur and Bijapur to Bhopalpatnam are shown pictographically (page 47) under Ring-1 and are described as Link 11 and Link 12 under Ring 2, Kindly clarify whether Link 11 and Link 12 come under Ring 1 or Ring 2 ??	Pictorial View is wrong, please find corrected pictorial View for reference in Corrigendum

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	Section & Page Number	Clause No.			
7	Sec-5, Page No. 46 & 47		Underground OFC Laying in Ring 2 (Page 46) & The following are the pictorial view and details of Ring and Link wise installation and commissioning required under this project (Page 46)	Kindly clarify what does the blue line in the Ring 2 picture (page 47) indicates. Two paths from Dantewara are as per links in Ring2, however third path shown in map is not appearing in links of Ring2	Pictorial View is wrong please find corrected pictorial View for reference
8	Sec-5, Page No 58	5.4.9(f)	At road crossings, two or more extra HDPE Pipe/PLB Blowing Type/Preinstalled ropes shall be laid as per direction of Site Engineer. The HDPE Pipe shall be jointed by coupler/socket at both ends, Nylon or P.P. rope shall be drawn through HDPE Pipe properly at time of laying pipes.	1. Please clarify Type and width of Road Crossing where more than one duct to be laid 2. Need to know exact number of Ducts to be laid in such Road Crossings for material calculation	two number of duct to be laid at road crossings
9	Sec-5, Page No 59	5.4.9(h)	In cross country routes, where depth of trench is less than 1.20m, HDPE Pipe/PLB Blowing Type/Pre-installed ropes should be laid within GI/RCC pipes. Alternatively, HDPE Pipe/PLB Blowing Type/Pre-installed ropes may be encased in reinforced concrete casing of dimensions 275mm x 275mm. In built up areas, where the depth of trench is not less than 165 cms., HDPE Pipe/PLB Blowing Type/Pre-installed ropes should be laid within GI/RCC pipes. In case of trench depth being less than 165 cms, the HDPE Pipe/PLB Blowing Type/Pre-installed ropes may be encased in reinforced concrete casing of dimensions 275 mm x 275 mm with the permission of Competent Authority.	If depth is more than 165 cms in built up area, do we still need to give GI/RCC Protection	yes

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	Section & Page Number	Clause No.			
10	Sec-5, Page No 78	5.5.2.4 .3 & 5.5.2.4 .4	5.5.2.4.3 RCC pipes should be used parallel to dry culvert. 5.5.2.4.4 For wet culvert, G.I. protection and concrete encasement to be provided.	What is definition of Wet and Dry Culvert?	As Per RFP
11	Sec-5, Page No 58 & 93	5.4.9(d) & 4.2.3(a)	Pg. 58 d.) The HDPE Pipe/PLB Blowing Type/Pre-installed ropes shall be laid in 50 mm dia RCC spun pipes, at road crossings and through G.I. Pipes on culverts and bridges and also in exceptional cases where the depth of the trench is less than 165 cms. as specified by the concerned officer-In- Charge. Pg. 93 4.2.3.a) a) RCC Full Round Pipes Reinforced cement concrete pipes (spun type) coupled with RCC collars sealed with cement mortar used to provide additional protection to PLB HDPE Ducts/coils at lesser depths should be of full round, NP-2 class and size 100 mm (internal diameter), conforming to IS standard 458-1988 with latest amendments.	These two points are contradictory, what will be exact specification of RCC pipes- 50 mm or 100mm?	Please read 50 mm dia instead of 100 mm dia

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	Section & Page Number	Clause No.			
12	Sec-5, Page No 60-61	5.4.11 a) (I, ii & iii)	i) For HDPE Pipe in 200 meters section rope is to be replaced by new one. ii) For pre-installed rope type :- The rope is to be replaced in coil length iii) PLB Pipe (blowing type) entire length of section allotted to the contractor should be checked by passing the mandrel of suitable size from one end of section to other end by blowing the air with the help of compressor of suitable capacity. It is the responsibility of the contractor to arrange the compressor and other necessary accessories at his cost.	As per our understanding, if we lay PLB Pipe (blowing type) in the entire project , we need not provide nylon rope in duct as OFC cable shall be blown with the help of air compressors	As Per RFP
13	Sec-5, Page No 66	5.4.18.3	The OFC cable drums are usually of 2 kms in length hence optical fiber joints will be at every 2 kms approx. The 48 fibers are to be spliced at every 2 kms. at both ends (Terminations) of the equipment room, as directed by the Engineer-in-charge.	It is suggested to use 4 km drum, as this will reduce no of joints. However pull through chambers may be installed at every 1 kms.	Please read 4 km drum instead of 2 Km Drum.
14	Sec-5, Page No 52-53	5.3.1 vi)	Opening of manholes (of size 3 meters x1 meters x 1.65 meters depth), replacing existing 6Plg P.P. ropes by 8 mm P.P. rope (from manhole to manhole) for ensuring smooth passage for pulling the cable. Pulling of Optical Fiber Cable with proper tools and accessories as per construction specifications. Sealing of both ends of the manholes by hard rubber bush of suitable size to avoid entry of rodents into the HDPE/PLB HDPE pipes, putting split HDPE/PLB HDPE pipes and split RCC pipes with proper fixtures over cable in the manhole to protect the bare cable in the pulling manhole. Back filling and dressing of	Specification and intent is not clear. Kindly clarify.	As Per RFP

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	Section & Page Number	Clause No.			
			manholes.		
15	ANNEXURE-III, Page No 96-97	4	48 Core ADSS cable including hanging as per specification mentioned in the Tender Document	Aerial Cabling specifications not mentioned in RFP, whereas " 48 Core ADSS cable including hanging as per specification mentioned in the Tender Document" which is part of Financial Proposal	AS Per Corrigendum
16	Sec-5, Page No.79	5.5.2.10	Termination	Need clarity on FDMS & Racks, we understand FDMS & Rack will be in scope of Active element vendor	FDMS is part of this tender
17	Sec-5, Page No.49	5.2	Securing Right Of Way (ROW) permissions by Forest, State Roadways, National Highways	ROW permission to be extended for all authorities beyond Forest, State Rodaways,National Highways by CHiPS/District Collector	yes
18	Sec-4, Page No.28	4.19.5	Force Majeure	Naxal attack may be covered in Force Majeure clause. Please confirm.	yes
19	Additional		General Query	Can we adopt cross country path(shortest) in hilly area rather than following the main road? Please confirm.	the actual path would be decided after LiDAR based survey and approval by chips
20	Additional		General Query	In case of HDD (while crossing), it is not possible to lay GI Pipe. Please clarify.	ok
21	Additional		General Query	Need clarification on who will borne the ROW cost.	CHiPS/ State would be born by CHiPS.

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	Section & Page Number	Clause No.			
22	Sec-3, Page-10	5	The bidder/ Consortium Partner should have cumulative experience of underground laying and installing optical fiber cable (OFC) for a length of at least 800 Kms in India after 1st April, 2009.	We understand that in case of phase completion of an ongoing project, submission of Acceptance Testing Certificate (AT) duly signed by customer will serve the purpose. Please confirm.	Yes
23	Sec-3, Page-10	7	The bidder should furnish, as part of its proposal, an Earnest Money Deposit (EMD) of the Rs. 60,00,000/- (Rs. Five Lakh only) The EMD should be in the form of DD/Bank Guarantee (As per format prescribed in this RFP) issued by a Nationalized / Scheduled Bank.	As per our understanding, 'Rs. Five Lakh only' in this clause has been printed by mistake and should be read as 'Rupees Sixty Lakh only'. Please confirm.	It's a typo error. Please read Rs. Sixty Lakh Only)
24	Sec-3, Page-21	4.12	The bidder shall meet the criteria for eligibility mentioned in the Tender document. The bidder must have registration certificate, registration under Labour Laws Contract Act, valid sales tax registration certificate and valid service tax registration certificate, whichever is applicable, for this Tender. Any kind of consortium will not be permitted.	As per Eligibility Criteria mentioned at page 9, Consortium is allowed whereas this clause says "Any kind of consortium will not be permitted". Please confirm whether consortium is allowed or not.	It's a typo error. Consortium is allowed as per Eligibility Criteria Mentioed in RFP
25	Sec-4, Page-36	4.26.2	Payment Milestones	We recommend separate payment terms for supply & services.	As per RFP

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	Section & Page Number	Claus e No.			
26	Sec-4, Page-45	4.42	The Successful bidder shall sign contract with the CHiPS for a period of 8 Months implementation and 24 months Operation and Maintenance Support from the date of FAT completion.	<p>We understand that the implementation period shall start from the date of signing of final contract agreement and not from date of receipt of LOI.</p> <p>Please confirm.</p>	The bidder should conclude and submit the Survey report with in 15 days from Issuance of LoI. After submission of survey report and accepted by CHiPS , CHiPS will sign the Agreement with the sucessull bidder after submission of Performance Bank Guarantee as per requirement of RFP and Deadline for Implementation and O & M Period will start.
27	Annexure-X, Page-118	8	Bid documents uploading during bid preparation should be less than five MB (for individual document) and over all bid documents should be less than fifty MB.	For submitting /uploading the documents with clear pixcels, we recommend to increase file size from 5 MB to 20 MB.	As per RFP and State e-Procurement Portal

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	Section & Page Number	Clause No.			
28	Section 5, Page No 45	5	<p>Scope of Work : The scope of work necessarily, but not exclusively includes the following activities:-</p> <ol style="list-style-type: none"> 1. Underground OFC Laying in Ring 1 2. Underground OFC Laying in Ring 2 3. Operation and Maintenance for a period of two years 	<p>Scope of work defines the underground OFC laying in ring 1-405 km & Ring 2-431 km. While as per Annexure I Ring 1 mentions 15 km of 48F Overhead ADSS Cable & Ring 2 mentions 16 km of 48F Overhead ADSS Cable.</p> <p>Please clarify whether the laying of overhead ADSS cable is also in the scope of work.</p>	Overhead cabling is part of scope of Ring 1 & Ring 2 both
29	Section 5, Page No 53	5.4	The detailed OF construction Specifications are given in document titled as “Optical Fiber Cable Construction Practice Manual” issued as a part of tender document.	Document titled as "Optical Fibre Cable Construction practices – Manual” is missing in tender document. So please provide the same for underground (as well as overhead ADSS OFC if required).	Please read Corrigendum
30	Additional		General Query	G652D Fiber Specification is missing. Please provide the same.	Please read Corrigendum
31	Additional		General Query	Cable Accessories specification is missing.	Please read Corrigendum
32	36	4.26	Payment Milestone	No payment terms mentioned for supply of material.	As per RFP
33	51	5.2	Roles & Responsibility matrix	Procurement of OFC cables, civil material and equipment and accessories will be in scope of contractor, No payment terms has been mentioned for supply of material	Payment will be done only after Laying of 15 Km as per RFP terms and Condition and Final Payment will be done after Link testing.

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34	36	4.26	Payment Milestone	20% payment for deployment of OFC will be released by competent authority after verifying. What kind of verification will be done.	As per RFP
35	36	4.26	Payment Milestone	15Km OFC link deployment will be counted at each link or it can be multiple link of one ring.	Continuous Laying of 15Km OFC under any one Link
36	36	4.26	Payment Milestone - O & M	IF any link completed within 8 months period however overall ring has not been completed, O & M will start for that link forthwith and it will be delayed till entire ring ready for services.	NO, O & M will start only after successful FAT of all the Links
37	Delivery Schedule 5.6 P 88		The below schedule of delivery is applicable for both the successful bidder of Ring and its include ROW permission from various department by CHiPS/Contractor.	240 days inclusive of ROW is too inadequate & stringent. It should be exclusive of ROW. Time counter for link should be reckoned from after grant of ROW. Logic: Time for ROW acquisition is highly Indeterminate even though it will be obtained by CHiPS as no time commitment has been spelled out by it in commercial terms. Despite advance Tripartite agreement & blanket State Govt order to field agencies BBNL Experience with NOFN shows significant delays do occur at ground level. ROW would not only include permission from state govt but forest clearances and multiple agencies of central govt agencies like NHAI/ Railway crossings/oil pipelines	As Per RFP

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38	5.6.1 to 5.6.7 P 88		Monthly Delivery roll out schedule	Whether it is permissible to carry forward delay in delivery to next month? Whether any penalty will be levied in absence of flexibility to carry forward?	As per RFP
39	Payment Milestones 4.26.2 P 36		e) On every 15 Km of OFC laying, bidder will submit the bill for payment and 20% of the total cost for 15 Km OFC laying will be release after verifying by the competent authority. f) 80% of the value for one link after successful FAT from both the end PoP will be paid to successful bidder.	Payment mile stones are too tight and not commensurate with stringent SLAs Para 4.21 & severe depth penalties in Para 4.21.4.Instead of 20 % and 80% It should be 40 % & 60% respectively.	As per RFP
40	5.4.18.3 Jointing/Splicing g: P 67		Note: The jointing/splicing of optical fiber cable is an optional item. The CHIPS units, which are equipped for this works, should preferably carry out this work by CHIPS.	This aspect is not appearing in format pf price schedule to be filed by bidder in annexure III Page 96.Further if this option is exercised what will be the splicing time frames of CHiPs set up as it will hve impact on delivery schedule and 80 % payments are payable after end to FAT.	The jointing/splicing of optical fiber cable is mandatory and would be the scope of Bidder.
41	Overhead ADSS Aerial Cable Annexure I TECHNICAL SPECIFICATI ON AND COMPLIANCE SHEET 4.5 P 94		Minimum Specification: 48 Core Optical Fiber G.652 D. ADSS Cable	No technical specification for ADSS have been specified nor any construction specifications given.But construction spec has been given for UG OFC on P 90.This is likely to lead to subjectiveness/ arbitrariness in pass/fail during final AT and delay payments & result in dispute.	Please refer Corrigendum

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42	Measurement 5.5.4.1 P75		The works shall be deemed to have been completed only after the same has been accepted by the inspection teams. The Acceptance Testing will be undertaken jointly by the representative of Contractor, CHiPS and Competent Authority. The acceptance certificate will be jointly issued by CHIPS and Competent Authority for release of payment after successful completion of Joint Acceptance Testing.	Dependence is involved in simultaneous availability of contractor, CHiPs rep & Competent Authority at ground/field level .There is need to spell out strength & quantum of human resources and mechanism and time commitment of such availability in absence of laxity can result at delay will fall on contractors head and delay payments.
43	4.21.3 Penalty for cutting / damaging the old cable P 30		During excavation of trench utmost care is to be taken by the contractor, so that the existing underground cables are not damaged or cut.	As Per RFP. Bidder need to assess the condition after LoI or may survey before submission of Bid at their own cost.

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44	5.7 Laying of Overhead Cables P 88		In case after route survey it is ascertained that the optical fibre cable cannot be laid underground due to terrain constraints or miscellaneous reasons, then the cable may be planned to be laid overhead after obtaining due approval from CHIPS reps. In case approval is granted for laying overhead cable for certain sections of the route then the following would be adhered to by the contractor 1. Construction practice for laying of overhead cables in region would be followed to include span length, construction of poles, fastening and securing of cables. 2. The cable to be laid for these sections would be separately designed and manufactured to provide the necessary tensile strength. The essential design specifications for overhead optical fibre cable would include the following:-	Specification for overhead cable, poles and accessories is not given. Sentence seems to be incomplete on page number 89.	Specificagtion of Overhead ADSS cable is mentioned in Corrigendum. The Details of pole mounting accessories is mentioned in Corrigendum.
45	4.3 Optical Fibre Cable & Installation P 94		Type A: Intrusion Proof Fibre Optic Cable (48F Armoured G.652D)	No technical specification for Intrusion Proof Fibre Optic Cable (48F Armoured G.652D) have been specified nor any construction specifications given. G652D is Type of Optical Fibre. Mentioned cable is Intrusion Proof Cable. Design of Intrusion Proof Cable is very different with existing cable. This will create problem while connecting the new route with existing cable route. Please clarify the design with detailed specification.	Please refer Corrigendum

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46	4.21.4 Penalty for Depth of OFC underground Cable Laying P 30 AND 5.4.9 Laying of HDPE Pipes / PLB HDPE Pipe P 58		Depth is mentioned as 1 & 0.6 m. This clause contradicts with clause number 5.4.9, where depth is mentioned as 1.65 m	Please clarify.	Standard Depth Would be 1.65 M. After Deviation accepted by CHiPS/Competent Authority mentioned Penalty for 1 Mtr. & 0.6 Mtr. Is applicable as per mentioned in clause 4.21.4.
47	4.26.2 Payment Milestones P 36		20% every 15 Km and 80% on FAT.	Please change 20% to 50% and balance on FAT.	As per RFP
48	page 9, point 2		As per page 9, point 2 average Rs 150 Crores turnover is mentioned for qualification in last three years from telecom works only. In this tender only one route is planned to be awarded to one bidder having L1 status. Why these financial are needed which are applicable for jointly both two routes? Also as per international and national bidding documents their turnover should be from all civil works and technical creteria should be taken separately which has already been taken in the bid as 800 Km. OFC laying experience.		As Per RFP
49	page 10 point 5,		As per page 10 point 5, 800 Km. OFC laying criterion should also be revised as only one route has to be awarded to any one bidder as per bid which is only half of 800 Km.		As Per RFP

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50	page 19		As per page 19 if bidder is interested only in one route which is also the award condition given for two routes to any one L1 bidder than what should be written for the route in which we do not want to quote any rate.		The Bidder should quote for both the Ring under this RFP
51	EMD		Please reduce the EMD amount which is calculated for two routes but award will be given to only one route.		As Per RFP
52	page 21 point 4.12		As per page 21 point 4.12 valid sales tax registration and labour registration are required but these will be submitted only after the award as per tender we are not regular contractor of the Chattisgarh state.		The bidder should submit labour and vat registration for their State
53			Is there any 3rd party or consultant appointed to supervise the work other than CHIPS officials		Yes, It's a CHiPS discretion
54	page 21		At page 21 last line "Consortium will not be permitted" should be deleted as already 3 members consortium is allowed in the bid.		Its atypo error, Consortium will not be permitted in now deleted
55	page 23 (v)		At page 23 (v) 2nd line "Bill of Material (BOM) by CHIPS" is written. What does it mean?		Approved qty. by CHiPS after survey by Bidder as per Financial Proposal
56	page 23 (vi) (iii)		At page 23 (vi) (iii) Additional links award is the right of CHIPS but it should be given with the prior consent of the bidder as rate may change depending on strata or local problems like Naxal may prohibit the bidder to do the additional work.		Addittional Link will be order after consent from Successful bidder.

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57			Work execution period is given as 8 months and ROW permission are mentioned on the part of district collection/CHIPS officials. Date of start should be counted after the received of ROW permission. Bidder should not be penalised due to ROW permission delay.		Bidder will not penalised due to ROW permission. Other Terms and condition for ROW is as per RFP
58	page 2, 4.19.1 (i)		At page 2, 4.19.1 (i) Right to terminate the contract is mentioned in case the liquidated damages/Penalty exceeds 10% of the total contract value but in bid every place maximum 10% penalty is applicable than how more than 10% is possible?		As Per RFP
59	page 29, 4.21.2 (a)		At page 29, 4.21.2 (a) digging not allowed for more than 200 mts. stretch in a route at a time for public convenience but as route one more than 400 Km. and also many links are involved so permission should be given to do the work at many places in a route with not more than 200 Mtr. digging in a Km. for public comfort.		It is 200 Mtr. digging in a Km. for public comfort.
60	page 37 clause 4.26.2 (k)		As per page 37 clause 4.26.2 (k) payment should be made within 30 days of the submission of invoices by bidder to CHIPS. Kindly enter the Interest clause to be paid by CHIPS to bidder if the payment is delayed by more than 30 days as per international and national level bidding guidelines.		As Per RFP

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61	page 26, clause 4.26.2 (i)		As per page 26, clause 4.26.2 (i) All duties and taxes will be paid but not clearly mentioned by whom? Please clear it that either bidder or CHIPS is responsible for the taxes payment? Also mention the % and kind of taxes to be taken into account in financial quote as we are not aware about these taxes.	As Per RFP
62	page 42		At page 42 clause Taxes, bidder is required to quote the rate including all tax but in financial bid separate column is mentioned for taxes. So please clarify what to do?	Please quote current Taxes applicable on line items mentioned in the RFP
63	page 48 clause 5.1.6		At page 48 clause 5.1.6 bidder is required to submit the rates for both two mentioned routes. Why we should give rates for both routes as we may be interested in one route only and CHIPS is also going to award the one route only.	As Per RFP
64	page 52 clause 5.3.1		As per page 52 clause 5.3.1 only optical fibre supply and laying through HDPE pipe is given as per scope of work. Who will supply the HDPE pipe? Please clear.	Bidder will supply all the material required for laying of OFC under this RFP
65	page 96		As per page 96 different strata length is given for the rate quote. If after actual survey than the length changes than who will be authorized to accept these changes at CHIPS and up to what extend these changes are allowed? Thanking you,	As Per RFP
66	Depth Relaxation		Please clarify if depth deviation signed and approved from your end, will penalty/rate deduction still be applicable.	After acceptance of deviation by Competent Authority penalty will not

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					deducted.
67	Eligibility Relaxation, refer page 9 "Eligibility Criteria"		Linkquest Quippo Infra LLP is a joint venture company formed between two large business houses, Linkquest Telecom Limited which is a leading services Company having an annual turnover of more than 200 Crores in services alone and Quippo Construction Limited (part of Seri Group), Which is one of the largest companies		As per RFP
68	O&M		Please clarify whether O&M will also be part of evaluation for L1 bidder		Yes
69	Constorium Bidding		Please clarify if there are 2 bids submitted by a constorium where in 1st bid "A" is the primary/lead bidder and "B" is the secondary bidder and in the 2nd bid "B" is the primary/lead bidder and "A" is the secondary bidder and if one bid becomes L1 and the 2nd bid becomes L2, can Ring1 & Ring 2 both be awarded to both the bidder		No, One firm can participate and submitted only one bid either as a lead member or consortium partner. In case a firm found in Two submitted bid, than both the bid shall rejected.