

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
1	2.28) Evaluation of Eligibility Criteria		Bid Process	<p>The Sole Bidder or Lead Bidder in case of a consortium should have experience of Laying, Installation, Testing and Commissioning of Optical Fibre Cable (Underground or Aerial), Duct and accessories as mentioned below in last 3 years as on bid submission date.</p> <p>Package A: 5100 kms Package B: 4900 kms</p> <p>In case the sole bidder or a Lead bidder (in case of Consortium) desires to bid for both the packages then the bidder must have experience of 10000 kms, in Laying, Installation, Testing and Commissioning of Optical Fibre Cable (Underground or Aerial), Duct and accessories as mentioned below in last 3 years on bid submission date. The experience quoted should have atleast 80% in underground OFC laying.</p> <p>Note: 1. If bidder bids for both the packages and it is found that his experience is not meeting the work experience requirement of 10,000 Kms., as above, then in that case GFGNL reserve the right to consider his bid in any one of the packages.</p>	The clause of eligibility in last three years stopping us to bid . Please either get corrected as BSNL do in recently EPC tender or Please arrange to extend last three years to Last 5 years starting from 2012-13 . as Execution work order received and completion have difference .	Please refer revised RFP
2	4.4.5.1		Video Wall	Full HD IPS LED/DLP Display, Direct LED Backlight, Display suitable for use in video wall with bezel to bezel distance not more than 3 mm	The Gap between 2 Display should be less than or equal to 1.0mm as 3.0 is old technology & picture image will get broken into various parts	Revised Clause : " Full HD IPS LED Display, Direct LED Backlight, Display suitable for use in video wall with bezel to bezel distance not more than 2 mm"
3	11.1.7		Video Wall	Video Wall	Videowall & Controller should be from same OEM for better interoperability & Performance	RFP Clause remains unchanged.
4	4.4.5.1		Video Wall	Video Wall	To add - The video wall screen should not fail in case of any power supply failure .It should automatically switch over without any downtime	RFP Clause remains unchanged.
5	4.4.5.1		Video Wall	Video Wall	To add - The video wall content will be able to show live on any remote display .Mobile with IE (no apps) as this is very important feature for 24x7 Operations as well as for crisis management	RFP Clause remains unchanged.
6	4.4.5.1		Video Wall	Video Wall	Request you to mention Control RS-232/RS-422/IR/IP	RFP Clause remains unchanged.
7	2.28) 3 Note 1		TEC	As per Tender TSEC obtained by the OEMs of bidders for the various tenders floated by BBNL/BSNL in the last two years shall be acceptable for the items which are part of this RFP provided that the technical specifications remains unchanged. In case of OFC, any change in the source of raw material shall be subject to fresh TSEC process.	Since this is for the first time BSNL/BBNL/State Govt is procuring 48F/96 Double sheath HDPE Ribbon Type cable and has this never been procured earlier. Also there is no TEC/GR of this type of Cables. Therefore we have to take fresh/new TSEC/QF103 as per tender specification which will take minimum 2-3 months time.Since earlier procurement of Ribbon type Cables by BSNL was done against TEC GR No GR/ OFC-05/02 March 2006, We therefore request you for participation in tender Kindly allow the TSEC as per GR GR/OFC-05/02 March 2006 or any other ribbon cable Spec.	Please refer revised RFP
8	4.7.1) 1		Fiber	Aerial OF Cable (ADSS Cable): 24 pair ADSS on power lines: As per TEC GR No. TEC/GR/TX/OFC-022/02/MAR-17	As per GR there are 6 types of ADSS cables are mentioned, Therefore kindly let us know which type of ADSS cable spec to be consider, In recent BharatNet-II tenders - either IIA or IIIA type is used. Request you to confirm the same.	Please refer revised RFP

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9	4.7.1) 20		Fiber	96/48 Pair metal free ribbon type OFC: As taken from BSNL Tender No. : Tender Enquiry No.: CA/Ent.-CNP/OFC/T-553/2016 issued on 24-June-2016.	Tender No CA/Ent.-CNP/OFC/T-553/2016 issued on 24-June-2016 is of 24F Loose tube type not for 48/96F Ribbon type . We understand this is a typographical mistake . For 48F/96F Ribbon type Cable Kindly include the above two tenders of BSNL Delhi (CA/NOFN/OFC/T-609/2017 Dated: 15.12.2017 and CA/MMT/NOFN/ Section of PIA/T-610/2017 dated 29.12.2017 BSNL for Bharatnet Phase-II project for 15 package.)	Please refer revised RFP
10	5.1		Network Design	SOR - OFC Qty in Kms	Request you to provide package wise size wise quantity of OFC and other items required in each package	Bidder to decide as part of Site survey and design of network
11	5.1) B 1		TEC	SOR- ADSS Optical fibre Cable 24 core ribbon	ADSS OFC as per TEC GR No. TEC/GR/TX/OFC-022/02/MAR-17 are loose tube type and non ribbon, Therefore request you to kindly remove " Ribbon" word and confirm ADSS type.	To be read as "ADSS Optical fibre Cable 24 core"
12	4.8.1.10		O&M	The PIA will maintain an As-build route diagram and details for splicing of OFC for each GP through GIS tool. The diagram shall indicate the cores from all OFC with their color coding and numbering. PIA will provide As-build route diagram every quarter during implementation phase and on 1st Jan of every year during O&M phase, then only next payment will be processed. These diagrams will be in high resolution pdf plus A2 sized print out covering one block per A2 sheet.	As-built is important document for Network Maintenance during Operation & Maintenance. We have reviewed the requirement and seems there is no clarity on As-Built accuracy requirement and also what are the landmark and road features to be captured apart from three point referencing.	Please refer revised RFP
13	Disclaimer	NA	Site Survey	Each bidder should, therefore, conduct its own surveys and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information contained in this RFP and obtain independent advice from appropriate sources before filling up the RFP	we request you to allow us for site survey as mentioned in page 10	Please refer revised RFP
14	4.4.5.1		Desktop	HDD: Min 500 GB Hard Disk (Hard disk Capacity should be upgradable)	standard industry norms are for 1TB with redundancy raid	RFP Clause remains unchanged.
15	4.4.5.1		Video Wall	Video wall of (5X3 Matrix) 15 LED/DLP cubes of min 55" screen	Quantity is not confirmed request you to provide us to survey the site for understanding overall requirement of NOC center	Please refer revised RFP
16	4.4.5.1		Video Wall	Full HD IPS LED/DLP Display, Direct LED Backlight, Display suitable for use in video wall with bezel to bezel distance not more than 3 mm	We request you please amend new technology of 0.9 mm even bezel with total of bezel to Bezel of 1.8mm Every OEM have 1.8 mm bezel with them, It will help to better picture Quality	Revised Clause : " Full HD IPS LED Display, Direct LED Backlight, Display suitable for use in video wall with bezel to bezel distance not more than 2 mm"
17	4.4.5.1		Video Wall	Response Time 8 ms	request you to change response time to 12ms or Less	Revised Clause: "Configuration - Sr. no. 7 - response time to 12ms or Less"
18	4.4.5.1		Video Wall	Input / Output for controller required for each video wall.	Kindly mention input/ output number (min 12/16 or more)nothing is mentioned in the RFP	Video wall / Controller shall support atleast 12 inputs and 24 output connections concurrently
19	4.4.5.1		Video Wall	Installation / Push pull brackets	kindly mention in the SOW	RFP Clause remains unchanged.
20	4.4.5.1		Video Wall	24X7	Kindly mention, All the display and controller should be for 24X7 operational	Additional clause in Section 4.4.5.1 at Sr. No. d. : "All the displays and controller should be 24x7 operational."

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21	3.27 Payment Schedule		Payment	<p>Mobilization - 10% of Capex cost (As per Quoted in Table A.1 / B.1 of Financial Bid as per the package) - Against submission of additional BG of 110% of mobilization advance</p> <p>End-to-End connectivity for individual GPs</p> <p>a. 80% of Capex cost (discovered cost per GP from Financial Bid Table A.1 and B.1 from its respective package)* Number of Live GPs</p> <p>b. Of aforementioned part payment (point a) 70% will be paid on bill submission once GP is Lit ON. Remaining 30% of it will be paid post TPA audit and deduction in rates (if applicable) due to noncompliance with depth to be achieved for fibre cable laying for respective soil strata type as defined in section 3.32)</p> <p>c. During O&M period, payment would be made post deduction in rates (if applicable) due to noncompliance with depth to be achieved for fibre cable laying for respective soil strata type as defined in section 3.32 after Fourth Party Audit</p> <p>O&M Cost Post Go live of Project(all GPs included) 100% of O&M cost of respective year for specified package of the project to be paid in equal instalments on Quarterly basis in arrears, based on</p>	<p>The mentioned payment terms will add a huge financial burden on overall project cost. We are requesting to workout a viable option to control overall cost of the project. The mobilization money should be equivalent to PBG advance bank guarantee and value should be 30% of capital Expenditure. please note labours/ digging cost requires daily cash flow. Hence you may workout appropriate mechanism to pay 80% of the money against materials supply and digging based milestone payment every fortnight.</p> <p>For O&M cost, we request authority to release payment on monthly basis instead of Quarter.</p>	RFP Clause remains unchanged
22	4.3.1.2/10		Network Design	<p>GPON</p> <p>13. Route from island – 3 (RoG scope) will have 48F cable from Umargav to Ankleshwar and 96F cable from Ankleshwar to State NOC, Gandhinagar.</p> <p>14. While planning all these 4 routes, PIA will have to ensure that all enrout cities with 2 lacs or more population will be connected on the respective route. For connectivity of such cities, only single physical path will be planned from highway intersection point to DC/TC office within city with 2 ducts. Both 96F cables (coming from 2 different directions as in & out connectivity) will be laid in these 2 ducts. Only HDD methodology will be used for this connectivity within city area. Example of this is Vadodara city which will be covered on Route from island – 3 (RoG scope)</p>	<p>In given list, most of the town are covered according to our knowledge. However, the information about 2 lac population is based on respective record of the Authority and when they revise and publish new number is unknown to us. We are requesting you to give specific town name under 2 lac population criteria to be declare now Or charged extra as per quoted line items of BOQ.</p>	<p>Bidder is requested to refer latest census data. Town population as on June 2017(anticipated)</p>
23	4.3.3.4		NMS	<p>4.3.3.4 MIS Reports Details of MIS reports to be submitted by PIA during execution and O&M phase is provided in Section – 4.4.6.3.1</p>	<p>We request GFGNL to remove word " indicative" and provide specific list/format of the required reports.</p>	RFP Clause remains unchanged.

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24	4.3.1 Plan, Design, Implement and Commission Phase		Software	<p>6. Provision, development of and supplying, installation commissioning of all software / applications for the following functionalities (PIA will have to provide source code to State/SIA for Web portal and Mobile app):</p> <p>i. ERP (Finance/Billing, CRM, Asset Management, HRMS/Work force management)</p> <p>ii. Web portal</p> <p>iii. Mobile app</p> <p>iv. NMS including</p> <p>a. GIS based dashboard for OFC and components monitoring</p> <p>b. Fibre monitoring system</p> <p>v. Project Management tool including workflow management with GIS tracking</p>	<p>We assume that the real ask is ERP for over all functionality management with the module mentioned in the RFP, please clarify there is no ask on OSS/BSS related to Service and operation provisioning of actual telecom services as for e.g. Circuit provisioning and IP allocation will be configured manually and in a workflow respective invoice workorder will be issued by manual entry in ERP system. kindly reconfirm source code is for web portal and Mobile app only, not applicable for required OS/Middleware/Application/ ERP etc.</p>	Please refer revised RFP
25	4.7.1		UPS	<p>Integrated SMPS power supply at GP Location (12 volt DC)</p> <p>Note : SMPS for GP locations shall be of 12 volt (DC) with 2 Hrs battery backup</p>	<p>There is ambiguity between specification given in GR and RFP. Hence we request authority to give clarity about the backup and the equipment to be used for the same. Also, request to be flexible on last mile electronics UPS/SMPS with desired backup</p>	Integrated SMPS power supply stands removed. Further, UPS of 1 KVA capacity to be provided at GP locations with 2 hrs battery backup."
26	4.4.5.2		UPS	<p>Network rack Specifications</p> <p>6. IPDU: 2 nos. of 32 Ampere IP Switched PDU each having 21 nos. C13 sockets, 3 nos. of C19 sockets</p>	<p>OLT gets power from single power source and each equipment will have a separate power connectivity and hence, the purpose of IPDU will not be served. More over, the quantity of sockets are too high for the equipments installed inside the rack 18U/ 42U. We hereby request authority to review and give actual need/requirement.</p>	Please refer revised RFP
27	21		TEC	<p>Electronic Route Marker</p> <p>TEC/GR/TX/TIE-007/02.MAR-14 Electronic route marker (ball type, should be able to transmit signal from minimum 5 feet depth, should have configurable internal memory to store data, orange color for telecommunication cables)</p>	<p>please explain What will be the distance between two marker also clarify on the storage space in electronic route marker.</p>	"Electronic Route Marker" stands removed. However, the distance between two Cement Route Markers must be 200 Meters.
28	Technical specifications as per TEC GR		UPS	<p>Integrated SMPS power supply at OLT Locations/BSNL exchange</p> <p>Integrated SMPS Power Supply</p>	<p>As BSNL infrastructure is available (SMPS Battery bank and earthing). We request and strongly suggest GFGNL to allow/source DC power for OLT at BSNL locations.</p> <p>Places where BSNL exchange not available, please specify required power and back-up time to be specific.</p>	For OLTs, DC power will be provisioned at BSNL exchanges. Wherever, BSNL exchange may not have sufficient infrastructure, the bidder needs to provision outdoor rack/cabinet with concrete platform as part of design for such locati as mentioned in Clause 4.3.1.
29	4.4.5.7 Desktop specs		Desktop	<p>Monitor: 17 Inches or Higher, Wide LED Screen , Resolution- 1920x1080, Aspect Ratio-16:9</p>	<p>in current generation all desktops OEMs have 18.5" with 1366X768 resolution. The said resolution of 1920X1080 can only be achieved in 21" or above which is very higher in cost as compared to 18 or 18.5".</p> <p>Hence we request to amend the clause as: 18.5 Inches or Higher, Wide LED Screen , Resolution- 1366X768 , Aspect Ratio-16:9</p> <p>Also the monitor and desktop shall be of same make else the user/bidder will have warranty / support issues if they go with different makes of monitor and desktop.</p>	Revised Clause - "Monitor: 21 Inches or Higher, Wide LED Screen , Resolution- 1920x1080, Aspect Ratio-16:9"
30	4.4.5.7 Desktop specs		Desktop	<p>Processor: Latest Intel Core i5 with 2.8 GHz with 6MB L3 cache or higher</p>	<p>We request to please consider equivalent AMD A10 processor.</p>	Revised Clause- "Processor: Latest Intel Core i5 with 2.8 GHz with 6MB L3 cache or equivalent or higher"
31	4.4.5.7 Desktop specs		Desktop	<p>System Memory: Minimum 4 GB DDR3 or higher expandable up to 16 GB or more</p>	<p>Since technology as improved hence current generation desktops shall have 32GB expandability considering future needs also.</p>	RFP Clause remains unchanged.

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32	4.4.5.7 Desktop specs		Desktop	Warranty support: Minimum from 7 years from the date of Commissioning	No OEMs offer warranty more than 5 years. However support is available in the form of AMC for 6th and 7th year. We request to amend the clause as: 5 years OEM warranty and bidder can avail additional 2 years AMC for 6th and 7th year.	RFP Clause remains unchanged.
33	4.4.5.5 Workstation specs/Power Supply		Desktop	Minimum 400-watt Continuous Power Supply with Full ranging input and APFC. Power supply should be 92% efficient with EPEAT Gold certification for the system model. Power supply should support standalone self test.	The most important feature to consider is power supply as every different component required different power supply and to work on 24/7 and 365 days environment it is highly recommended	RFP Clause remains unchanged.
34	4.4.5.5 Workstation specs/ Remote Collaboration Software		Desktop	Hardware or Software based Remote Collaboration system which can help remotely access 3D data across network has to be supplied with the system. <ul style="list-style-type: none"> - Hardware or Software should be workstations OEM Proprietary version. - Software should come from the factory preinstalled. - It should allow collaboration between multiple participants on an OpenGL 3D or DirectX applications. - It should support One to One for remote work and One to many for collaboration with keyboard and mouse control. - Application should be stateless and should not transfer actual data over the network. - Pixel information or images should be 128 SSL encrypted. - Should work on both Linux and Windows, and should be inter-operable. 		RFP Clause remains unchanged.
35	4.4.5.5 Workstation specs/ Additional Software		Desktop	1. The hardware vendor should supply an automatic system performance tuning and monitoring software on Windows. 2. The tuning software should have modules for resource monitoring over a long period of time, and should be capable of showing GPU utilisation (GPU, Graphics memory and Codec activity) for both Graphics and GPU Compute cards. 3. A complete Offline Diagnostics and Asset Discovery software suite should be supplied along with the system.	for different ISV application driver update automatically, GPU utilisation and BIOS level setting	RFP Clause remains unchanged.
36	4.4.5.5 Workstation specs/ Security		Desktop	BIOS controlled electro-mechanical internal chassis lock for the system.	For Security purpose	RFP Clause remains unchanged.
37	Sec-I	1.1 c)	EMD/Tender Fees	The Bid Security and non-refundable bid processing fees in a separate sealed envelope superscribed with the bid document number to be submitted to GFGNL office.	1) We understand that bidder can submit only one Techno-commercial Bid against all packages, whereas separate Financial Bid for each package need to be submitted/uploaded. Please confirm. 2) As per our understanding, bidder bidding for both the packages can submit either a single BG (totalling the EMD amount of both the packages) or two separate BG (package wise). Please confirm.	1) The package will be split into two tenders which are available for download on the portal. Bidders are requested to go through the tender documents they wish to bid. 2) For EMD and PBG, the bidders bidding for both packages should submit two separate DD/BGs, for each package.

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38	Sec-V	5.5	Software	The Sole Bidder/lead Bidder should submit valid letter from each of the OEM (one and only one OEM for each component) - confirming the following: OEM shall ensure that all equipment/components/sub-components being supplied by them shall be supported for entire contract period. If the same is de-supported by the OEM for any reason whatsoever, The bidder shall replace it with an equivalent or better substitute that is acceptable to Tenderer without any additional cost to the Tenderer and without impacting the performance of the solution in any manner whatsoever.	Open Source Software does not have any OEM Name or MAF which can be submitted. Tender must clarify by exempting all such Open Source Softwares from OEM NAME and MAF requirement.	Please refer revised RFP
39	Sec-I	13©	Software	GIS layered Network Information System (GIS NIS) that is network management, fibre management, inventory and asset mapping, GIS layer MIS	<ol style="list-style-type: none"> 1. GIS based Network Information System shall be BoQ line Item for better understanding . 2. Who will provide GIS base Map and what should be the formats. 3. Does Storage of GIS Map shall be considered in this RFP scope 4. How many concurrent user shall use GIS based NIS - required to know for hardware sizing and software licensing . 5. Please define broad scope of Integration with Package B and BBNL central NOC. 	<ol style="list-style-type: none"> 1) RFP Clause remains unchanged. 2) The bidder can choose to purchase the base map from the open market or sign an NDA with GoG and collect the existing base map. Before commencing the work, the successful bidder will provide GIS layered planned network. Concurrently with implementation, the GIS plan will be updated live from the field on As-Is network basis in a central software and that will be accessible to all stakeholders. At the end of the project phase, the PIA is expected to provide a highly accurate GIS map. 3) GFGNL will provide the storage device. However, the bidder is expected to provide Database licenses for the same. 4) Total Users=600, Concurrent Users= 100 5) As per revised RFP
40	Sec-II	8	EMD/Tender Fees	Bidders are required to upload the Scanned copy of Bank Guarantee and Demand draft for EMD and Tender Fee respectively (as mentioned in this RFP) at online bidding portal. Further, original Bank Guarantee and Demand Draft for EMD and Tender Fee respectively, must be submitted in a sealed envelope mentioning "EMD and Tender fee" before due Date and Time for Submission of Bids as mentioned in Section I - "Invitation to Bids".	<ol style="list-style-type: none"> 1) We understand that bidder can submit only one Techno-commercial Bid against all packages, whereas separate Financial Bid for each package need to be submitted/uploaded. Please confirm. 2) As per our understanding, bidder bidding for both the packages can submit either a single BG (totalling the EMD amount of both the packages) or two separate BG (package wise). Please confirm. 	<ol style="list-style-type: none"> 1) The package will be split into two tenders which are available for download on the portal. Bidders are requested to go through the tender documents they wish to bid. 2)For EMD and PBG, the bidders bidding for both packages should submit two separate DD/BGs, for each package.
41	Sec-II	2.7	Bid Process	List of Subcontractors- Annexure 5.17	This is stringent condition as declaring list of sub-contractors at the time of bid submission has never been asked in such type of tenders. Request to remove this clause.	Clause 3.3 (3) Removed Annexure 5.17 Removed
42	Sec-II	3.3(3)	Bid Process	The bidders shall submit a list of all subcontractors to be deployed by him as per Annexure 5.17.	This is stringent condition as declaring list of sub-contractors at the time of bid submission has never been asked in such type of tenders. Request to remove this clause.	Clause 3.3 (3) Removed Annexure 5.17 Removed
43	Sec-II	1	Bid Process	Each bidder must submit Priced BOQ –Annexure 5.19, on 3rd day from the date of financial bid opening in a sealed envelope.	<ol style="list-style-type: none"> 1) Please confirm whether only hard copy of 'Priced BOQ –Annexure 5.19' need to be submitted or soft copy through e-tender portal or e-mail also need to be submitted. 2) As L1 will be declare on the date of financial bid opening, we understand, Priced BoQ need to be submitted by declared L1 bidder only. Please confirm. 	All bidder must submit hard copy of Priced BOQ –Annexure 5.19, on 3rd day from the date of financial bid opening in a sealed envelope.

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44	Sec-II	2	Bid Process	Envelope of only L1 bidder of each package shall be opened and other bidder's envelopes shall be returned back to them in received sealed condition only after 180 days from the date of opening of financial bid.	1) Please confirm whether only hard copy of 'Priced BOQ –Annexure 5.19' need to be submitted or soft copy through e-tender portal or e-mail also need to be submitted. 2) As L1 will be declare on the date of financial bid opening, we understand, Priced BoQ need to be submitted by declared L1 bidder only. Please confirm.	All bidder must submit hard copy of Priced BOQ –Annexure 5.19, on 3rd day from the date of financial bid opening in a sealed envelope.
45	Sec-II	2.12(1)	EMD/Tender Fees	The Bidder shall furnish, as part of its bid, an Earnest Money Deposit (EMD) of the amount INR 15,00,00,000/- (Rupees Fifteen Crores only) for each package.	To increase the competition, we request to reduce the amount of EMD from 15 Crore to INR 5 Crore for each package. This will allow more bidder to participate and quote competitive price.	RFP Clause remains unchanged.
46	Sec-II	2.15(1)	EMD/Tender Fees	The original and all copies of the bid shall be typed or written in indelible ink. The original and all copies shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the Contract in accordance with Clause 2.11 "Bidder Qualification". All pages of the bid, except for un-amended printed literature, shall be initialed and stamped by the person or persons signing the bid.	As per tender, Bid has to be submitted online through e-tender portal only (except EMD & Tender Fee). Please confirm.	Bidders are required to upload the Scanned copy of Bank Guarantee (Annexure 5.18) and Demand draft for EMD and Tender Fee respectively (as mentioned in this RFP) at online bidding portal. Further, original Bank Guarantee and Demand Draft for EMD and Tender Fee respectively in hard copies, must be submitted in a sealed envelopes mentioning "EMD and Tender fee" before due Date and Time for Submission of Bids
47	Sec-II	Note 1	TEC	All the tender items e.g. GPON OLT, ONT, OFC, Splitters, Batteries, and Charging Control Unit should have valid Type Approval Certificate (TAC) from Telecom Engineering Centre (TEC), New Delhi or Technical Specification Evaluation Certificate (TSEC) from Quality Assurance Circle, BSNL, Bengaluru, against the respective technical specifications of this RFP..... The TSEC obtained by the OEMs of bidders for the various tenders floated by BBNL/BSNL in the last two years shall be acceptable for the items which are part of this RFP provided that the technical specifications remains unchanged. In case of OFC, any change in the source of raw material shall be subject to fresh TSEC process of QA.	Request to amend the TSEC Clauses for OFC as under on lines of other BSNL/ BBNL tenders. For 48F and 96F Ribbon OFC Bidder who has obtained TSEC / QF103 for any size of ribbon OFC against GR/OFC-05/02 MAR.2006 or any size of ribbon cable against any of BSNL / BBNL tenders for ribbon OFC issued during last 3 years is eligible to bid / participate as bidder or issue MAF for all sizes. But for supply he shall obtain valid TSEC for all sizes of specified OFC. For 24F ADSS OFC Bidder shall have TSEC / QF 103 FOR any Size / type of ADSS OFC. But for supply bidder shall obtain valid TSEC for all sizes of specified OFC.	Please refer revised RFP
48	Sec-III	3.27	Payment	Payment Schedule for GP Installations	We request to add in the schedule as" 50% of payment against delivery" and subsequently change 35% in the clause no. 3 and 5% in the clause no. 4.	RFP Clause remains unchanged.
49	Sec-III	3.19 3.32	Penalty	Delivery Timeline & Milestones for NOC and all Software 3. Non-adherence to the aforementioned timelines/milestones shall attract penalty as detailed in Section 3.32 of this Tender.	Except ERP all other software is required to be Open source. PIA must not be subjected to penalty for Open Source software. We request to exempt all Open Source Software from all liability and penalty clauses for which currently PIA is made responsible	RFP Clause remains unchanged.
50	Section III	4	Penalty	In case of deficiency in Ongoing performance and service levels penalty shall be applied as per below criteria :	The SLA defined in the tender is very stringent, we request to change the SLA as per the similar tender of Mahait (Mahait/CNI/001/01/2018 Dated 31/01/2018) which is as follows.	RFP Clause remains unchanged.
51	Sec-IV	4.3.1.2(4)	Fiber	24F ribbon ADSS cable will be used for aerial connectivity of GP in case UG fibre execution is not possible.	Which TEC GR is applicable for 24 Core Ribbon ADSS cable ? As on date, there is no TEC GR available for the same.	To be read as "ADSS Optical fibre Cable 24 core". Word "Ribbon" removed in this clause.
52	Sec-IV	4.8.1.4	Network Design	Making manhole of size (2.0 m length x 1.0 m width x 1.65 m Depth) at every Cable pulling location for housing the OF Cable loop & Pulling Optical Fibre Cable using proper tools and accessories. A loop of minimum 25 meter of OFC will be left in every manhole.	Minimum loop of 25 meter of OFC is to be left from both sides. Pls confirm.	Yes

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53	Sec-IV	4.8.1.10	Network Design	Manholes marked during PLB HDPE Ducts pipe laying of approx. size of 2.0 m length x 1.0 m width x 1.65 m depth shall be excavated for pulling the cables. There may be situations where	Cable pulling is now obsolete and may be replaced by Cable blowing	RFP Clause remains unchanged.
54	Sec-IV	4.8.1.11	Network Design	Construction of Jointing Chamber	Pls clarify requirements for loop chambers/ handhole what will be the staggered distance between loop chambers/ handhole and splice chambers/ manhole	As per industry best practice. / As per industry best practice, loop chamber to be installed at following locations (but not limited to) 1. Every Km 2. At both sides of road crossings, culvert and bridge crossings.
55	Sec-IV	4.3.1.2 pt. no. 3	Network Design	Each OLT will have total 32 Ports. Of 32 Ports, 16 PON Ports will be there on LT cards (Line cards towards ONT side) and 16 Network Connectivity (4x10G + 4x1G) Ports will be there on 2 redundant NT cards (Network cards towards backend network)	All the TSEC certified Vendors of GPON have only 2x10G Ports Per NT card for the Network. We kindly request you to modify the clause as "Each OLT will have 28 Ports. Of 28 Ports, 8 Ports will be there on LT cards (Line cards towards ONT side) and 20 Network connectivity (2x10G + 8x1G) will be there on 2 redundant NT cards (Network cards towards the backend network)	RFP Clause remains unchanged.
56	Sec-IV	4.3.1.2	Network Design	No mention of Spare line card	We kindly request GFGNL to include one spare line card (of same type) with every OLT. All accessories for the spare line card like Fiber Patch cords, SFP etc. Should be supplied by the bidder	RFP Clause remains unchanged.
57	Sec-IV	4.3.1.2 Pt. no. 1 of GP locations	Network Design	Each ONT will have 1 PON Port and minimum 8 Ethernet Ports (1000 Base T)	All the TSEC certified Vendors of GPON got TSEC for ONT with following interfaces : 1x PON + 4x1G + 2 POTS + 1x802.11 b/g/n ONTs. Hence we request GFGNL to modify this clause as "Each ONT will have 1 PON Ports , 4 Ethernet Ports (1000 Base-T), 2 PoTS Ports and 1x802.11 b/g/n WiFi Port."	RFP Clause remains unchanged.
58	General	NA	Network Design	Protection of PON Ports	The OLT uplinks are requested to support redundancy. There is no request of redundancy for the PON Ports. The fiber cuts are quite frequent events and in order to provide high availability we request GFGNL to consider fiber protection for the PON Side. kindly consider the same.	RFP Clause remains unchanged.
59	Sec-IV	4.3.1.2 Pt. no. 2 of State NOC	NMS	PIA of Package – B (Saurashtra) will have to extend required support for successful integration and monitoring of Network components installed in this package geography area.	We understand that EMS server , Desktops etc will be supplied separately for the two packages. There could be a possibility that the L1 bidders in each package can be different and hence the GPON equipment and EMS servers will be different and hence the EMS servers, Desktops to be quoted separately for each package.	RFP Clause remains unchanged.
60	Sec-IV	4.4.5.2	NMS	Network rack Specifications Floor mount 18U Network Rack (For ONT/GP Locations) 1. 18 U: 600 x 1070 x 1185 mm 2. Door Steel Full Prf 750W x 18U 3. Castor with ft break (2+2) 4. Sliding Tray 5. Should have sufficient perforation for ventilation of air 6. IPDU: 2 nos. of 32 Ampere IP Switched PDU each having 21 nos. C13 sockets, 3 nos. of C19 sockets	The Network Rack Specifications are not as per the Standard Specifications. We kindly request the tendering authority to allow the OEM to specify the requirements of the Network Rack for the ONT locations	Please refer revised RFP
61	Sec-IV		NMS	Floor Mount 42U Rack (For OLT Locations) 1. 42 U : 750 x 1070 x 1991 mm 2. Door Steel Full Prf 750W x 42U 3. Castor with ft break (2+2) 4. Sliding Tray 5. Should have sufficient perforation for ventilation of air 6. "IPDU: 2 nos. of 32 Ampere IP Switched PDU each having 21 nos. C13 sockets, 3 nos. of C19 sockets"	The Network Rack Specifications are not as per the Standard Specifications. We kindly request the tendering authority to allow the OEM to specify the requirements of the Network Rack for the OLT locations	Please refer revised RFP

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
62	Sec-IV	4.3.1 Pt. no. 9	NMS	Integration with State NOC at Gandhinagar and existing BBNL NOC at Bangalore.	We understand that the PIA's scope is to integrate the EMS with the NMS at State NOC and further integration with Central NOC of BBNL located at Bangalore, however the necessary support for this integration (Like interfaces, API, ports etc.) shall be provided by GFGNL. Please confirm.	NMS to NMS integration. EMS to NMS at gandhinagar as per RFP
63	Sec-IV	4.3.2 Pt. no. (2c)	NMS	Server provisioning: Server (Computing) and Storage for all software applications like NMS along with all other applications such as ERP, Project management tool, web portal mobile, etc. will be provided by GFGNL on state data centre cloud. However required necessary OS licenses, Data base licenses or any other software license required shall be supplied, installed, configured and managed by PIA for entire tenure of the project. The PIA shall be responsible for selection of a server from a pool of available servers provided by GFGNL at SDC as per the sizing for required for each application software. Implementation, configuration and management is under PIA scope of work. Further, loading of the appropriate software (operating system, device drivers, middleware, and applications), appropriately customizing and configuring the system and the software to create or change a boot image for this server, and then change its parameters, such as IP address, IP Gateway to find associated network and storage resources assignment is under PIA scope of work.	<p>Please clarify the following:</p> <ol style="list-style-type: none"> EMS Hardware which includes the EMS Server & Storage should be provided by the PIA as part of the GPON solution. The EMS application at the state NOC will be clustered in a 1+1 failover configuration with shared storage. Please confirm. There will not be DR (Disaster Recovery) site for the state NOC. All third party softwares that is part of the GPON solution shall be licensed versions and not freeware/opensource/shareware. The sizing of the hardware based on the applications like ERP, PMS, Web portal and Mobile etc. would vary from OEM to OEM. - We understand that PIA has to supply the application softwares, and provide the required sizing to GFGNL for deployment - We also understand the PIA shall not consider the costing for application hosting and PIA will be allowed to make changes in H/W sizing post bid based on the best fitted solution. 	RFP Clause remains unchanged.
64	Sec-IV	4.4.3/Page 132 (6)	NMS	The NMS shall be configured to automatically discover all manageable elements of the scope till ONT on field side and till gateway device at State NOC as well as Active devices installed at SDC(including servers, routers, UTM, switches, etc.).	Can it be inferred that the chosen NMS shall be capable to discover all Active devices installed at the SDC (including servers, routers, UTM, switches, etc.). Or is it under the scope of the PIA to co-ordinate with the NMS OEM(C-Dot).	PIA of Package A will supply, develop, install and maintain NMS. However, PIA of package B needs to extend all support for the integration required for his scope. NMS for monitoring of Severs, Applications on SDC hardware can be taken from existing Data Center SI.
65	Sec-IV	4.4.6/Page 150(1)	NMS	GFGNL will procure following NOC tools from C-DOT and shall be provided to PIA of package –A for implementation, testing, commissioning and additional development of feature sets required as per scope of the RFP. a. Tele- PlanNet b. GIS-NDS c. GIS-FFLS d. NMS	Need clarity on whether NMS source code would be made available to the PIA or if the PIA has to co-ordinate with the NMS OEM(C-Dot) to get the functionality developed. We need more clarity with regard to the SLA between the PIA & the NMS OEM(C-Dot) i.e if BBNL would be part of this agreement or if BBNL will play a role in forming this agreement.	Please refer to revised Corrigendum RFP and corrigendum note .
66	Sec-IV	4.4.6.2 (RFMS)	NMS	Table 6. PON monitoring - Should be able to test live Passive Optical Network (PON) for any split ratio.	Please confirm the number fibers to be monitored live.	The number of fibers to be monitored live : One No. per OFC
67	Sec-IV	4.4.5	NMS	Following sub sections list down minimum requirement of functional and technical specification for components required for setting up NOC. These includes Civil works, Electrical and data cabling works, HVAC, Video Wall, Staff support system and other IT & Non-IT components.	<p>Please confirm following:</p> <ol style="list-style-type: none"> NOC building will be provided by GFGNL. Minor civil work will be done by PIA considering equipment installations only. 	Please refer revised RFP
68	Sec-IV	Indicative Summary of NOC IT & Non IT Infrastructure Sr. No. 1-	NMS	Staff Seating Space - Seating space for NOC staff	Please provide count of NOC staff for seating arrangement. Who will be responsible for providing air conditioning at locations other than Server Room.	Please refer revised RFP

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
69	Sec-IV	Indicative Summary of NOC IT & Non IT Infrastructure Sr. No. 1-	NMS	HVAC - HVAC (Precision ACs for Server room) Equipment, Insulated Chilled Water Piping Work, Air Distribution System, Insulation Work	Who will be responsible for providing air conditioning at locations other than Server Room.	Please refer revised RFP
70	Sec-IV	Indicative Summary of NOC IT & Non IT Infrastructure Sr. No. 6 -Non -IT infrastructure	NMS	Fixtures and Furniture Fixtures and Furniture for Server/Telecom room and Network Operations Centre (Video Wall Room)	Please confirm that at page no. 127 in clause 4.4 Network Operation Centre -" Who will be responsible for providing air conditioning at locations other than Server Room.	Please refer revised RFP
71	Sec-IV	Indicative Summary of NOC IT & Non IT Infrastructure General	NMS	DG Power BackUp	Please confirm that DG backup would be required or not and who would be responsible for supply & installation.	No DG Backup is required
72	General	NA	NMS	EMS Integration with NMS through NBI (North Bound Interface)	We assume that the Element Management System(EMS) will be integrated with BBNL's Network Management System on standard North Bound Interface viz SNMPxxx/XML/ JAVA / CORBA. TMF-814/ CORBA shall be supplied as the North bound interface along with suitable network interface and software in the EMS, so as to have a common/ centralized network management system of different vendors. Please confirm.	RFP Clause remains unchanged.
73	Sec-IV	3	Software	Project Management Tool, Mobile Application (Project and O&M Phase) and Web Portal shall be Open Source only, for the entire duration of this contract. NMS and GIS (NIS) may be licensed product for the Project Execution phase. However, the same has to be compulsorily developed on Open source for the O&M Phase. The PIA will have to completely migrate all data from licensed product to Open source platform. ERP can be Licensed or open source for the entire duration of contract.	To enable industry standards deliverables and allow maximum participation we request tendering authority to relax Open Source Software requirement. We request Tendering Authority also allow Licensed Software as an option same as ERP.	Please refer revised RFP.
74	Sec-IV	Note 1	TEC	All the materials as above have to be TSEC/Type approved by BSNL QA/TEC against mentioned TEC GR or as per the approval procedure of BBNL for which TEC GR not there.	Request to release approval procedure (if any) of BBNL against the products for which TEC GR not there.	RFP Clause remains unchanged.
75	Sec-IV	4.3.1.7 pt. no. 4	TPA	All material will be inspected at factory site by TPA/FPA representative as directed by State/SIA/BBNL. Once the material is passed from TPA/FPA at factory and is delivered at site, random inspection of some samples of material will also be done at the site by FPA/alternate agency appointed by state/SIA	We request the GFGNL to accept the factory test reports of the OEM instead of site inspection by TPA/TFA. Once the material is received at site, a random inspection of some samples of materials can be done by FPA/alternate agency appointed by the state/SIA	RFP Clause remains unchanged.
76	Sec-IV	4.3.1.2 Pt. no. 4 of GP Locations	UPS	PIA will also install SMPS at GP with minimum Power backup of 2 Hrs	We kindly request GFGNL to provide the specifications for the SMPS in the GP	Integrated SMPS power supply stands removed. Further, UPS of 1 KVA capacity to be provided at GP locations with 2 hrs battery backup."
77	Sec-IV	4.7	UPS	1. The Integrated SMPS Power Supply shall be as per TEC GR No. TEC/GR/TX/HPS-001/01/March-17 with following features.	As per our recent experiences in BSNL NOFN tenders, no OEM name is listed in TEC approved vendor list for this product. Hence no OEM has TSEC approved product as required in this tender. We therefore request you to delete this Clause.	Integrated SMPS power supply stands removed. Further, UPS of 1 KVA capacity to be provided at GP locations with 2 hrs battery backup."
78	Sec-IV	4.7	UPS	Note : SMPS for GP locations shall be of 12 volt (DC) with 2 Hrs battery back-up.	Please clarify the requirement of SMPS at GP. UPS is already asked in SOR for GP locations to power UP ONT. We therefore request you to delete this clause from tender.	Integrated SMPS power supply stands removed. Further, UPS of 1 KVA capacity to be provided at GP locations with 2 hrs battery backup."

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
79	Sec-IV	4.3 Scope of Work Item 11	UPS	PoP at Block shall be established at respective BSNL exchange for which power & other site requirements shall be provided by BSNL. BSNL will give a tapping point for electricity with 15 A plug from where arrangement of necessary cable, MCB, plug point etc will be scope of PIA along with the requisite onsite co-ordination. The raw power & other site requirements at Gram Panchayat shall be provided by State government. It would be the responsibility of PIA to carry out site survey to understand the level of preparedness in all respect. In cases, where the ONT has to be installed and does not have appropriate plug points/ wiring, the PIA shall draw the electrical wiring from the nearest junction box to the ONT/ Rack (with requisite plug points etc.) at no extra cost to State/SIA. It is clarified that if the GP does not have electricity connection, then the electricity connection will be obtained and provided by the state government. From existing connection from the switch board to the place where ONT and FTB is set up, the cost of wiring and appropriate electric devices will be borne by the PIA and is part of current scope.	We understood that 15A DC power point would be available to power up OLT at Block.Necessary wiring will be done by PIA. Please confirm. SMPS would not be required to supply by PIA at blocks.	At blocks, PIA is not required to provide SMPS / UPS.
80	Sec-IV	4.4.5.6 Online UPS	UPS	Table 3.Certifications - UPS should meet CE, BIS and ROHS standards (Compliance to be submitted)	As per industry standards, BIS certificate is only required for UPS below 10 KVA ratings. We request you to delete BIS requirement from the tender.	RFP Clause remains unchanged.
81	Sec-IV	4.4.5.6 Online UPS	UPS	Table 4.Input Voltage Range -160-280 VAC @ 100% load, Single Phase	The UPS required at NOC is of higher capacity. Hence we propose input voltahe range from 370 VAC to 440 VAC (+ or - 15%) with 3 phase.	Please refer revised RFP
82	Sec-IV	4.4.5.1	Video Wall	ConfigurationFull HD IPS LED/DLP Display, Direct LED Backlight, Display suitable for use in video wall with bezel to bezel distance not more than 3 mm	Bezel to Bezel distance should be less than 1 mm to have seamless experience.	Revised Clause : " Full HD IPS LED Display, Direct LED Backlight, Display suitable for use in video wall with bezel to bezel distance not more than 2 mm"
83	Sec-IV	4.4.5.1	Video Wall	Interface: Control RS-232/RS-422/IR	Request to Add IP based also as latest trend in market. This should be modified as "Control RS-232/RS-422/IR/IP	RFP Clause remains unchanged.
84	Sec-IV	General	Video Wall	New Clause	Request you to kindly add a clause "Videowall & Controller should be from same OEM for better interoperatibility, Performance and maintenance"	RFP Clause remains unchanged.
85	Sec-V	Annexure 5.1 Pkg A	Network Design	A Supply - Passive Infrastructure (Underground Cable) (As per technical specifications given in Annexure-A TEC GR No.) 10 - Electronic Route Indicators	Please confirm that Electronic Route Indicator is required with Route Locator or not. If yes then please kindly add this item in SoR of both packages	"Electronic Route Marker" stands removed. However, the distance between two Cement Route Markers must be 200 Meters.
86	Sec-V	Annexure 5.1 Pkg B	Network Design	A Supply - Passive Infrastructure (Underground Cable) (As per technical specifications given in Annexure-A TEC GR No.) 10 - Electronic Route Indicators	Please confirm that Electronic Route Indicator is required with Route Locator or not. Kindly add this in SoR of both packages.	"Electronic Route Marker" stands removed. However, the distance between two Cement Route Markers must be 200 Meters.
87	Sec-V	SOR for Package A	NMS	D- Supply – Network Operations Centre (NoC)	Item – GISNIS missing from SoR . It should be added . -consist of network management, fibre management, inventory and asset mapping, GIS layer MIS	Please refer revised RFP

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
88	Section V	Annexure 5.1 Pkg A	UPS	C Supply - Active Infrastructure 5 - UPS at GPs. 6 - UPS at Blocks	Please clarify following: 1. Please provide specifications and load to be considered of UPS at Gram Panchayat and Block. 2. UPS with battery backup would be designed with connected load or with full capacity of UPS (considering PF -.8).	Please refer revised RFP
89	Sec-V	Annexure 5.1 Pkg B	UPS	C Supply - Active Infrastructure 5 - UPS at GPs. 6 - UPS at Blocks	Please clarify following: 1. Please provide specifications and load to be considered of UPS at Gram Panchayat and Block. 2. UPS with battery backup would be designed with connected load or with full capacity of UPS (considering PF -.8).	Please refer revised RFP
90	4.8 Annexure B	4.8.1.4	Network Design	Making manhole of size (2.0 m length x 1.0 m width x 1.65 m Depth) at every Cable pulling location for housing the OF Cable loop & Pulling Optical Fibre Cable using proper tools and accessories. A loop of minimum 25 meter of OFC will be left in every manhole.	Minimum loop of 25 meter of OFC is to be left from both sides. Please confirm.	Yes
91	4.8 Annexure B	4.8.1.10	Network Design	Manholes marked during PLB HDPE Ducts pipe laying of approx. size of 2.0 m length x 1.0 m width x 1.65 m depth shall be excavated for pulling the cables. There may be situations where	Cable pulling is now obsolete and may be replaced by Cable blowing	RFP Clause remains unchanged.
92	4.8 Annexure B	4.8.1.11	Network Design	Construction of Jointing Chamber	Please clarify requirements for loop chambers/ handhole what will be the staggered distance between loop chambers/ handhole and splice chambers/ manhole	Please refer revised RFP
93	General	General	Network Design	General	Please confirm that like other tenders of BaharatNet we have not observed any solar power system in SOR and in tender. Please confirm if it not required.	Solar power system is not required.
94	1.2; Note (b)	-	Site Survey	The Bidders of both the packages are expected to conduct a comprehensive site survey before bidding to arrive at the actual route lengths, BoQ and other components efficiently and effectively	Conducting comprehensive route survey is a long process and involves significant cost. In none of the BharatNet tenders of other states, this model is followed wherein bidders will have to estimate the BoQ prior to bidding. It is likely that the route length quoted by different bidders will vary. It is requested that BoQ may be defined by GFGNL which may be finetuned by actual site survey by the selected PIA after awarding the contract. This will put all bidders in the same platform for evaluation of the commercial offers. This will also avoid unnecessary expenditure by all the bidders on site survey before bidding. GFGNL may kindly agree.	RFP Clause remains unchanged.
95	2.29.4		Bid Process	Bidders quoting unrealistic Project cost shall be rejected straightaway by the committee and EMD of such bidder shall be forfeited.	It is not clear what %age of variation of the estimated project cost is categorized as unrealistic. As the project is on turnkey basis involving supply of many types of hardware, civil activities, RoW activities, O&M for seven years etc. the bid values quoted by bidders may vary significantly. Kindly clarify when the bid value quoted is considered as unrealistic.	RFP Clause remains unchanged.
96	3.3.2		Bid Process	There shall be only one level of sub-contracting i.e. the sub-contractor, appointed by the PIA shall directly execute the work without further subcontracting the work	We understand that if PIA "A" sub-contracts the civil activities of trenching and fiber laying to Agency "B" and Agency "B" purchases different hardware from Agencies "C", "D" and "E" and O&M for part of the network is awarded to some of these agencies, say, "D" and "E", such an arrangement is acceptable. Kindly confirm.	As per RFP

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
97	3.19		Penalty	Table under "Project Implementation Schedule for GPs Installation"	For the commissioning of the GPs from T+3 month onwards, one of the documents required is NMS report. However, for Package "B", NMS report is dependent on completion of NMS activity by PIA of Package A. Kindly confirm that delay on the part of generating NMS report on account of delay by PIA of Package A will not impact declaring commissioning of GPs of Package B.	In the event of NMS not being ready or functional, GFGNL will make a makeshift arrangement to check the availability of GPs, through other mechanisms.
98	3.32		Penalty	Penalty	The maximum penalty is stated as capped at 20%. This is very high compared to the standard cap in any project of similar type, which is 12%. It is requested that maximum penalty due to delay may be capped at 12%.	RFP Clause remains unchanged.
99	4.8.1.5 page no. 197/341		Fiber	PP rope Diameter	PP rope diameter is mentioned 6 mm while as per GR TEC/GR/TX/CDS-008/03/MAR-11(Permanently Lubricated HDPE Telecom Ducts) clause 4.4 PP rope diameter should be 4 mm. Use of 4 mm diameter PP rope as per GR may be allowed.	Use of 4 mm diameter PP rope as per GR is allowed
100	Sec-IV Page 115) 4		UPS	PIA will also install UPS at GP with minimum power backup of 2 Hrs.	As per earlier BBNL/BSNL tender the GP location has provision of Hybrid SPV system (12V/120W) complied against the TEC GR No GR/SPV-02/03. May 2008. Whether the same is applicable in this tender also. Kindly clarify.	Integrated SMPS power supply stands removed. Further, UPS of 1 KVA capacity to be provided at GP locations with 2 hrs battery backup."
101	Annexure-A Interated SMPS Page Nos 191 & 192) Bottom Note		UPS	SMPS for GP locations shall be of 12 volt (DC) with 2 Hrs battery backup	Kindly clarify the applicable specs and GR no for 12V DC power supply to be used at GP site	Integrated SMPS power supply stands removed. Further, UPS of 1 KVA capacity to be provided at GP locations with 2 hrs battery backup."
102		4.4.5.5 Page No.140	Desktop	Operator Workstations, EMS server ,Desktops, etc	We understand that EMS server, Desktops etc., will be supplied separately for the two packages. There could be a possibility that the L1 bidders in each package can be different and hence the GPON equipment and EMS servers will be different and hence the EMS servers, Desktops to be quoted separately for each package.	RFP Clause remains unchanged.
103	III	4.3.1.2 (3)	Network Design	Each OLT will have total 32 Ports. Of 32 Ports, 16 PON Ports will be there on LT cards (Line cards towards ONT side) and 16 Network Connectivity (4x10G + 4x1G) Ports will be there on 2 redundant NT cards (Network cards towards backend network)	All the TSEC certified Vendors of GPON have only 2x10G Ports Per NT card for the Network, we kindly request you to modify the clause as "Each OLT will have 28 Ports. Of 28 Ports 8 Ports will be there on LT cards (Line cards towards ONT side) and 20 Network connectivity (2x10G + 8x1G) will be there on 2 redundant NT cards (Network cards towards the backend network)	RFP Clause remains unchanged.
104		4.3.1.2	Network Design	No mention of Spare line card	We kindly request GFGNL to include one spare line card (of same type) with every OLT. All accessories for the spare line card like Fiber Patch cords, SFPs etc., should be supplied by the bidder.	RFP Clause remains unchanged.
105		4.3.1.2 Page No. 115	Network Design	Each ONT will have 1 PON Port and minimum 8 Ethernet Ports (1000 Base T)	All the TSEC certified Vendors of GPON got TSEC for ONT with following interfaces : 1x PON + 4x1G + 2 POTS + 1x802.11 b/g/n ONTs. Hence we request GFGNL to modify this clause as " Each ONT will have 1 PON Ports , 4 Ethernet Ports (1000 Base-T), 2 PoTS Ports and 1x802.11 b/g/n WiFi Port."	RFP Clause remains unchanged.
106		4.3.1.2 Page No.115	NMS	EMS server ,Desktops, etc	We understand that EMS server , Desktops etc will be supplied separately for the two packages. There could be a possibility that the L1 bidders in each package can be different and hence the GPON equipment and EMS servers will be different and hence the EMS servers, Desktops to be quoted separately for each package.	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
107		4.4.5.2	NMS	Floor mount 18U Network Rack (For ONT/GP Locations)	The Network Rack Specifications are not as per the Standard Specifications. We kindly request the tendering authority to allow the OEM to specify the requirements of the Network Rack for the ONT locations	Please refer revised RFP.
108		4.4.5.2	NMS	18 U: 600 x 1070 x 1185 mm	The Network Rack Specifications are not as per the Standard Specifications. We kindly request the tendering authority to allow the OEM to specify the requirements of the Network Rack for the ONT locations	Please refer revised RFP.
109		4.4.5.2	NMS	Door Steel Ful Prf 750W x 18U	The Network Rack Specifications are not as per the Standard Specifications. We kindly request the tendering authority to allow the OEM to specify the requirements of the Network Rack for the ONT locations	Please refer revised RFP.
110		4.4.5.2	NMS	Castor with ft break (2+2)	The Network Rack Specifications are not as per the Standard Specifications. We kindly request the tendering authority to allow the OEM to specify the requirements of the Network Rack for the ONT locations	Please refer revised RFP.
111		4.4.5.2	NMS	Sliding Tray	The Network Rack Specifications are not as per the Standard Specifications. We kindly request the tendering authority to allow the OEM to specify the requirements of the Network Rack for the ONT locations	Please refer revised RFP.
112		4.4.5.2	NMS	Should have sufficient perforation for ventilation of air	The Network Rack Specifications are not as per the Standard Specifications. We kindly request the tendering authority to allow the OEM to specify the requirements of the Network Rack for the ONT locations	Please refer revised RFP.
113		4.4.5.2	NMS	IPDU: 2 nos. of 32 Ampere IP Switched PDU each having 21 nos. C13 sockets, 3 nos. of C19 sockets	The Network Rack Specifications are not as per the Standard Specifications. We kindly request the tendering authority to allow the OEM to specify the requirements of the Network Rack for the ONT locations	Please refer revised RFP.
114		4.4.5.2	NMS	Floor Mount 42U Rack (For OLT Locations)		Please refer revised RFP.
115		4.4.5.2	NMS	42 U : 750 x 1070 x 1991 mm	The Network Rack Specifications are not as per the Standard Specifications. We kindly request the tendering authority to allow the OEM to specify the requirements of the Network Rack for the OLT locations	Please refer revised RFP.
116		4.4.5.2	NMS	Door Steel Ful Prf 750W x 42U	The Network Rack Specifications are not as per the Standard Specifications. We kindly request the tendering authority to allow the OEM to specify the requirements of the Network Rack for the OLT locations	Please refer revised RFP.
117		4.4.5.2	NMS	Castor with ft break (2+2)	The Network Rack Specifications are not as per the Standard Specifications. We kindly request the tendering authority to allow the OEM to specify the requirements of the Network Rack for the OLT locations	Please refer revised RFP.
118		4.4.5.2	NMS	Sliding Tray	The Network Rack Specifications are not as per the Standard Specifications. We kindly request the tendering authority to allow the OEM to specify the requirements of the Network Rack for the OLT locations	Please refer revised RFP.
119		4.4.5.2	NMS	Should have sufficient perforation for ventilation of air	The Network Rack Specifications are not as per the Standard Specifications. We kindly request the tendering authority to allow the OEM to specify the requirements of the Network Rack for the OLT locations	Please refer revised RFP.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
120		4.4.5.2	NMS	IPDU: 2 nos. of 32 Ampere IP Switched PDU each having 21 nos. C13 sockets, 3 nos. of C19 sockets	The Network Rack Specifications are not as per the Standard Specifications. We kindly request the tendering authority to allow the OEM to specify the requirements of the Network Rack for the OLT locations	Please refer revised RFP.
121		4.3.1/Page 106(9)	NMS	Integration with State NOC at Gandhinagar and existing BBNL NOC at Bangalore.	Can it be inferred that this integration is between the NMS in the state NOC and the NMS at the BBNL NOC and not between the EMS's in the 2 NOC's. Please confirm.	RFP Clause remains unchanged.
122		4.3.2/Page 122 (2c)	NMS	Server provisioning: Server (Computing) and Storage for all software applications like NMS along with all other applications such as ERP, Project management tool, web portal mobile, etc. will be provided by GFGNL on state data centre cloud. However required necessary OS licenses, Data base licenses or any other software license required shall be supplied, installed, configured and managed by PIA for entire tenure of the project. The PIA shall be responsible for selection of a server from a pool of available servers provided by GFGNL at SDC as per the sizing for required for each application software. Implementation, configuration and management is under PIA scope of work. Further, loading of the appropriate software (operating system, device drivers, middleware, and applications), appropriately customizing and configuring the system and the software to create or change a boot image for this server, and then change its parameters, such as IP address, IP Gateway to find associated network and storage resources assignment is under PIA scope of work.	<p>We infer that the EMS Hardware which includes the EMS Server & Storage should be provided by the PIA as part of the GPON solution. The EMS application at the state NOC will be clustered in a 1+1 failover configuration with shared storage. Please confirm.</p> <p>We assume that the EMS Server Hardware and Software configurations should be capable of managing less than 350 OLTs and 8000 ONTs. Kindly confirm.</p> <p>Also, we infer that there will be no DR (Disaster Recovery) site for the state NOC. Please confirm.</p> <p>We assume that all third party softwares that is part of the GPON solution shall be licensed versions and not freeware/opensource/shareware. Please confirm.</p>	RFP Clause remains unchanged.
123		4.4 / Page 127 (3)	NMS	The NOC will have the capacity to monitor the active components like OLT, ONT, routers, switches, UTM, Servers, etc. on a video wall with dedicated team. The combined expertise will enable the State to have complete view of the network in the State.	Is it the Central NOC at Bangalore that is mentioned in this clause? Please confirm.	NOC here refers to the State NOC at Gandhinagar.
124		4.4.3 / Page 129 (3)	NMS	In depth training shall be given to PIA resources by respective OEM of NMS.	If the PIA has to procure the NMS, then could you clarify on what this training pertains to?	RFP Clause remains unchanged.
125	General	NA	NMS	EMS Integration with NMS through NBI (North Bound Interface)	We assume that the Element Management System (EMS) will be integrated with BBNL's Network Management System on standard North Bound Interface viz SNMPxxx/XML/ JAVA / CORBA. TMF-814/ CORBA shall be supplied as the North bound interface along with suitable network interface and software in the EMS, so as to have a common/ centralized network management system of different vendors. Please confirm.	RFP Clause remains unchanged.
126	General	NA	NMS	EMS Client	We infer that remote access to the EMS can be through Java based client is acceptable. Kindly confirm.	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
127		4.4 / Page 127 (2)	Software	All the software such as, ERP, NMS, FMS, GIS, etc. will be hosted at Gujarat State data centre, but will be access from NOC as it will be the focal point for activities such as network monitoring, network incident resolution, software distribution and its updates, OLT and ONT configuration, applications monitoring (ERP, GIS, etc.), network performance monitoring and coordination with affiliated vendors	Is it the Central NOC at Bangalore that is mentioned in this clause? Please confirm.	Please refer revised RFP
128		4.5.1 / Page 153 (4)	Software	GFGNL shall have only one software package. Both PIA will also capture project progress in the same tool.	What is the software package being referred to in this clause?	Please refer revised RFP
129		4.3.1.7	TPA	All material will be inspected at factory site by TPA/FPA representative as directed by State/SIA/BBNL. Once the material is passed from TPA/FPA at factory and is delivered at site, random inspection of some samples of material will also be done at the site by FPA/alternate agency appointed by state/SIA	We request the GFGNL to accept the factory test reports of the OEM instead of site inspection by TPA/TFA. Once the material is received at site, a random inspection of some samples of materials can be done by FPA/alternate agency appointed by the state/SIA	RFP Clause remains unchanged.
130		4.3.1.2 Page No. 115	UPS	PIA will also install SMPS at GP with minimum Power backup of 2 Hrs	"We kindly request GFGNL to provide the specifications for the SMPS in the GP"	Integrated SMPS power supply stands removed. Further, UPS of 1 KVA capacity to be provided at GP locations with 2 hrs battery backup."
131	Section II: General Instruction to Bidders 2.28 Evaluation of Eligibility Criteria (page-37)	Note 1	TEC	The TSEC obtained by the OEMs of bidders for the various tenders floated by BBNL/BSNL in the last two years shall be acceptable for the items which are part of this RFP provided that the technical specifications remains unchanged.	TSEC obtained for any of the Tenders of Bharat Net Phase-II shall be allowed as eligibility criteria to quote and for supplies against this RFP. Please confirm.	Yes, however if product is changed due to specific functional requirement asked in this tender, then fresh TSEC approval is required.
132	Section II: General Instruction to Bidders 2.28 Evaluation of Eligibility Criteria (page-37)	Note 1	TEC	The TSEC obtained by the OEMs of bidders for the various tenders floated by BBNL/BSNL in the last two years shall be acceptable for the items which are part of this RFP provided that the technical specifications remains unchanged.	TSEC obtained against Bharat Net Phase-II Tender No. TE No. CA/MMT/NOFN/Selection of PIA/T-610/2017 Dated 29.12.2017 shall be eligible for Supplies against products of this RFP.	Yes, however if product is changed due to specific functional requirement asked in this tender, then fresh TSEC approval is required.
133	4.7.1 (Page. No. 189)	7, 8, 9 & 10	TEC	Technical specifications as per TEC GR for Tension Pole Assembly Set & Suspension Pole Assembly Set referred is GR No. GR/OFA-01/02.Jul 2005, with latest amendments if any.	TEC GR No. referred in RFP is GR/OFA-01/02.Jul 2005, with latest amendments if any where as this TEC GR. Has been superseded by TEC Gr. No. TEC/GR/TX/OAF-001/03 dated Mar 2017. The lead bidder can quote as per updated TEC GR. Please confirm	Please refer revised RFP.
134	Section V: Bid Submission Format (page-273)	5.1 (SOR for Package-A) A - 7	Network Design	96F FTB (Fully loaded including enclosure)	FTB is only applicable for Individual Fibre. As per other Bharat Net phase - 2 tenders, for Ribbon Fibre Cable, for GP Location FDMS 3B is to be supplied as per TEC GR. GR/FDM-01/02. APR 2007 with Amendments, if any. Please confirm Clarifications received by BBNL for the Products like FTB 48F, FTB 96F & Splice Closure (SIC & BJC). The Products are replaced in the Tender for the Ribbon Fibre Cable as below:	FDMS (for ribbon type cable) as per TEC GR. GR/FDM-01/02. APR 2007 with Amendments is required at OLT locations.
135	Section V: Bid Submission Format (page-273)	5.1 (SOR for Package-A) A - 8	Network Design	48F FTB (Fully loaded including enclosure)	FTB is only applicable for Individual Fibre. As per other Bharat Net phase - 2 tenders, for Ribbon Fibre Cable, for GP Location FDMS 3B is to be supplied as per TEC GR. GR/FDM-01/02. APR 2007 with Amendments, if any. Please confirm	FDMS (for ribbon type cable) as per TEC GR. GR/FDM-01/02. APR 2007 with Amendments is required at OLT locations.
136	Section V: Bid Submission Format (page-273)	5.1 (SOR for Package-A) A - 7 & 8	Network Design	96F FTB (Fully loaded including enclosure) & 48F FTB (Fully loaded including enclosure)	As per recent Bharat Net Phase-II tenders, type of Adaptors & Connectors has to be SC-APC. Please confirm	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
137	Section V: Bid Submission Format (page-273)	5.1 (SOR for Package-A) A - 6	Network Design	Splitters 1:4	Splitters 1:4 has to be supplied TSEC approved as per TEC GR. Mentioned in tender and has to be Rack/Wall Mount type. Please confirm.	Splitter will be Rack Mounted
138	Section V: Bid Submission Format (page-273)	5.1 (SOR for Package-A) A - 6	Network Design	Splitters 1:4	Splitter 1:4 has to be pre-connectorized and Type of Connectors / adaptors should be SC-APC. Please confirm	RFP Clause remains unchanged.
139	Section V: Bid Submission Format (page-273)	5.1 (SOR for Package-A) B - 2	Network Design	24F FTB (Fully loaded including enclosure)	As per TEC GR. FTB is only applicable for Individual Fibre and not for ribbon fibre. As per other Bharat Net phase - 2 tenders, for Ribbon Fibre Cable, for GP Location FDMS 3B is to be supplied as per TEC GR. GR/FDM-01/02. APR 2007 with Amendments, if any. Please confirm	FTB(for loose tube type cable) is required.
140	Section V: Bid Submission Format (page-273)	5.1 (SOR for Package-A) B - 2	Network Design	24F FTB (Fully loaded including enclosure)	As per recent Bharat Net Phase-II tenders, type of Adaptors & Connectors has to be SC-APC. Please confirm	RFP Clause remains unchanged.
141	Section V: Bid Submission Format (page-273)	5.1 (SOR for Package-A) B - 7	Network Design	Pole clamping Kit (Aerial Fibre laying)	TEC GR No. referred in RFP is GR/OFA-01/02.Jul 2005, with latest amendments if any where as this TEC GR. Has been superseded by TEC Gr. No. TEC/GR/TX /OAF-001/03 dated Mar 2017. The lead bidder can quote as per updated TEC GR. Please confirm	RFP Clause remains unchanged.
142	Section V: Bid Submission Format (page-274)	5.1 (SOR for Package-A) C - 2	Network Design	ONT	ONT has to be supplied with ONT enclosures made of Mild Steel and has to be properly perforated and transparent for easy view as per Bharat Net Phase-I tenders. Please confirm	ONT is to be mounted in Rack
143	Section V: Bid Submission Format (page-275)	5.1 (SOR for Package-A) E - 2.a	Network Design	The cost shall include fixing of joint chamber, manhole, splice closure , . . .	Splice Closure (i.e. FDMS Outdoor) for Ribbon OFC has to be supplied TSEC Approved as per TEC GR. TEC/GR/TX/FDM-003/01 MAR 2012.	Bidder to supply SJC/BJC/FDMS-Outdoor (for ribbon type cable) as per relevant TEC GR as per size of cable
144	Section V: Bid Submission Format (page-275)	5.1 (SOR for Package-A) E - 2.a	Network Design	The cost shall include fixing of joint chamber, manhole, splice closure , . . .	TEC GR. Referred in RFP for Splice Closure (SJC & BJC) is TEC/GR/TX/OJC-002/03/APR-2010, with latest amendments if any. Whereas this is applicable only for OFC cable with Individual Fibre. OFC used in this RFP is Ribbon Type and as per all the recent Bharat Net Phase-II Tenders, Splice closure is referred to as FDMS Outdoor and being supplied against TEC GR. TEC/GR/TX/FDM-003/01 MAR 2012. Please confirm that this shall be applicable for this tender also.	Bidder to supply SJC/BJC/FDMS-Outdoor (for ribbon type cable) as per relevant TEC GR as per size of cable
145	Section V: Bid Submission Format (page-275)	5.1 (SOR for Package-A) E - 2.a	Network Design	Splice Closures	Splice Closure is a TSEC approved material and should be a part of the SOR to maintain the uniformity of the products. We request you to kindly add Splice Closure (i.e. FDMS Outdoor) as an Line Item in SOR of the RFP.	Please refer revised RFP
146	Section V: Bid Submission Format (page-274)	5.1 (SOR for Package-A) C - 7	NMS	18U Floor mount Rack	Dimensions of Rack supplied (HxWxD) : 18U x 800mm x 800mm. Please confirm	Please refer revised RFP.
147	Section V: Bid Submission Format (page-274)	5.1 (SOR for Package-A) C - 8	NMS	42U Floor mount Rack	Dimensions of Rack supplied (HxWxD) : 42U x 800mm x 1000mm. Please confirm	Please refer revised RFP.
148	Section V: Bid Submission Format (page-274)	5.1 (SOR for Package-A) C - 7	NMS	18U Floor mount Rack	Rack should be standard 19"/ETSI rack. With front Glass Door and perforated rear and side doors. It should be supplied with Runway Segments and FRP Spare Cable Box of Size – Diameter 0.78 meter x Height 0.19 meter. Please confirm.	Please refer revised RFP.
149	Section V: Bid Submission Format (page-274)	5.1 (SOR for Package-A) C - 8	NMS	42U Floor mount Rack	Rack should be standard 19"/ETSI rack. With front Glass Door and perforated rear and side doors. It should be supplied with Runway Segments and FRP Spare Cable Box of Size – Diameter 0.78 meter x Height 0.19 meter. Please confirm.	Please refer revised RFP.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
150	4.4.6.4 Network Management System (NMS)/phase2	4.4.6.4.1 NMS Functional Modules and Requirements:	NMS	Alarms isolation, Correlation and Root Cause Analysis	Its key ask of RFP for NMS system to provide RCA analysis, its also mentioned C-DOT to provide NMS tools however C-DOT is not capable to provide advance RCA as per NOC requirement. Considering the complexity of environment, proposed EMS should be talking to different layer in network and system to figure out right set of events to get RCA. Its strongly recommended to consider industry standard EMS solution which can provide advance event correlation and root cause analysis	Please refer Corrigendum RFP.
151	4.4.6.4 Network Management System (NMS)/phase2	4.4.6.4.1 NMS Functional Modules and Requirements:	NMS	Trouble Tickets generation and life cycle management for Network and Service problems	To run any NOC smoothly its MUST to have closed integration of NMS and ITSM to provide closed loop incident functionality, C-DOT would not be feasible solution for same, please consider industry standard EMS here - have attached draft specs towards the same for your reference	Please refer Corrigendum RFP.
152	4.4.6.4 Network Management System (NMS)/phase2	4.4.6.4.1 NMS Functional Modules and Requirements: Performance Management	NMS	SLA management	SLA is one of the key factor in these kind of RFP's to manage and maintain infra and apps, EMS tools should be doing SLA management across infra and app, to maintain SLA, OLA and other system critical agreement to run and smooth on going operation, requirement of industry standard SLA tool is must. Also SLA tool should be taking to all layer across infra, db, MT and app to provide right set of info to track SI performance and smooth ops, C-DOT will not be able to give data the level its asked and SI and support team wouldnt be comfortable doing the same	Please refer revised RFP.
153	4.4.6.4 Network Management System (NMS)/phase2	4.4.6.4.1 NMS Functional Modules and Requirements: Performance Management /f. Asset Management System:	NMS	Procurement List, Tender and Purchase Order Management	Considering the size of Gujarat Bharatnet initiative, proposed ITAM should be robust enough to provide scalability and stability for ALM and SAM, only industry standard solutions can help to achieve the said goal	Please refer revised RFP.
154	4.4.6.4 Network Management System (NMS)/phase2	4.4.6.4.1 NMS Functional Modules and Requirements: Performance Management /f. Asset Management System:	NMS	Dash Board reports with drill down features	Its very critical ask in RFP as NOC team would need 2 or 3 level drill down to run the show efficiently, however C-DOT has dashboarding capability but getting further to 3 level drill down is not possible to resolve issue, do RCA and get management dashboard	Please refer Corrigendum RFP.
155	Generic	Industry Standard EMS	NMS	Industry Standard EMS	For a project of the size, scale, complexity and significance of Gujarat Bharatnet, an Industry-standard, Enterprise Grade, and Certified Enterprise Management System (EMS) solution MUST be asked for. This constitutes a fraction of cost compared to the outcomes it will deliver to the success of the project. Benefits far out-weigh this fraction of cost	Please refer revised RFP.
156	4.8.1.5	PLB HDPE DUCT	TEC	The Ducts shall be blue in colour and have the identification markings as per TEC GR wherein "Gujarat Fibre Grid (GFGNL)" shall be marked as Tenderer's name.	The Ducts shall be in Orange or Yellow colour and have the identification markings as per TEC GR wherein "Gujarat Fiber Grid (GFGNL)" shall be marked as Tender's name.	Any one colour per island.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
157	NA	NA	Video Wall	We here by wants to convey that, Certifications for the Video wall Display which is mentioned, We will be able to give BIS Certificate, at the time of supply of the material (Video wall Display). So please consider it, as New Models are coming in Panasonic. And for the Certificates, keep BIS compulsory only. Because BIS is the Authorized Standard Certificate given as per the Central Government norms. We request you to do needful changes, which is required for the healthy competition & Premium brands can participate like Panasonic, Sony, Barco etc.		Please refer revised RFP.
158	4.4.5 NOC - IT & Non - IT Infrastructure Requirement	Indicative Summary of NOC IT & Non IT Infrastructure NOC Build-up (Approx. 2000 Sq. Ft.) Interior - PCC, False Flooring & Ceiling, Furniture, Partitions, Doors and Accessories Page 135 of 341	NMS	PCC, False Flooring & Ceiling, Furniture, Partitions, Doors and Accessories	<p>As per above mentioned clause in the RFP document GFGNL/DST/BharatNet – PIA/2018/26, we hereby wish to inform that one of the important aspects has been overlooked i.e control room as per international norms of Ergonomics, aesthetics, safety and functionality and sustainability.</p> <p>Control room as per international norms of Ergonomics, aesthetics, safety and functionality and sustainability.</p> <p>To describe it further we hereby request you to refer the below mentioned information to have a world class control room as being done in other smart city projects.</p> <p>Why Control Room? For a brief on the mentioned topic please refer the footnotes. Few of the important consideration are:</p> <ol style="list-style-type: none"> 1) "Seismically qualified (Zone-5) ceiling and vertical wall finish. 2) ASTM E84 certified interior finishes to ensure that the wall finishes and ceiling do not provoke fire 3) Greenguard Certified Control Room Interiors to ensure healthy working environment for operators. 4) FSC certified supplier to ensure that this project does not become a concerned from environmental point of view because of deforestation. 5) RoHS certified ceiling and wall finishes to nsure restriction of hazardous substances 	Please refer revised RFP.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
159	4.4.5 NOC - IT & Non – IT Infrastructure Requirement	Indicative Summary of NOC IT & Non IT Infrastructure NOC Build-up (Approx. 2000 Sq. Ft.) Interior - PCC, False Flooring & Ceiling, Furniture, Partitions, Doors and Accessories Page 135 of 341	NMS	Ceiling	<p><u>False ceiling -</u></p> <p>Unlike normal offices the False ceiling of the Command and Control Room must be designed to suit the Control Rooms' aesthetical/functional, safety and ergonomical requirements.</p> <p>It is recommended that ceiling tiles are designed to provide acoustics and ensure that no echo is generated within the control room.</p> <p>Proper LASER cut outs should be provided for proper installation and fixing of the ceiling lights, HVAC ducts and Fire-fighting equipments.</p> <p>All the ceiling tiles and panels should be processed on CNC machines so that desired profile/design is obtained and this manufacturing shall also enable quick and perfect installation at site. With such manufacturing practices Human installation errors are almost reduced to zero.</p> <p><u>For designer control rooms please refer the images attached herewith.</u></p>	Please refer revised RFP.
160	4.4.5 NOC - IT & Non – IT Infrastructure Requirement	Indicative Summary of NOC IT & Non IT Infrastructure NOC Build-up (Approx. 2000 Sq. Ft.) Interior - PCC, False Flooring & Ceiling, Furniture, Partitions, Doors and Accessories Page 135 of 341	NMS	Why conventional gypsum and paint ceiling is not recommended in Control Room	<p><u>Why conventional gypsum and paint ceiling is not recommended in Control Room</u></p> <p>Since command and control rooms are mission critical facility and is meant for 24X7 working; for years to come (without taking any shut-downs/interruptions) therefore whatever material is used in the control room, it should be maintenance free and sustainable.</p> <p>Gypsum being prone to water and humid conditions (please refer attached image of Mold Formation in one of the control rooms), it is recommended not to use Gypsum ceiling in the control room.</p>	Please refer revised RFP.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
161	4.4.5 NOC - IT & Non – IT Infrastructure Requirement	Indicative Summary of NOC IT & Non IT Infrastructure NOC Build-up (Approx. 2000 Sq. Ft.) Interior - PCC, False Flooring & Ceiling, Furniture, Partitions, Doors and Accessories Page 135 of 341	NMS	Ceiling	<p>Following should be the properties of the Control room</p> <p>False Ceiling:-</p> <p>SAFETY:-</p> <p>Fire Safety :- The proposed system has Class A fire rated tiles as per ASTM E84 to ensure safety against fire.</p> <p>Seismic Safety :- The entire structure is seismically tested and qualified for Zone 5 vibrations. The design complements the overall control room design.</p> <p>Acoustics :- The tiles are designed to provide acoustics and ensure that no echo is generated in the control room. Ceiling has acoustical properties as the perforated tiles have 0.6 NRC.</p> <p>QUALITY:-</p> <p>Quality in Manufacturing :- Proper laser cut outs shall be provided for proper installation of the ceiling lights.</p> <p>Quality Workmanship :- All the panels are cut on laser so that desired clip in profile is obtained for quick and perfect installation at site. Human installation errors are almost reduced to zero with such manufacturing practices.</p> <p>Aesthetics :- Unlike normal offices the False ceiling of the CCRs must be designed to suit the CCRs aesthetical/functional, safety and ergonomic requirements.</p>	Please refer revised RFP.
162	4.4.5 NOC - IT & Non – IT Infrastructure Requirement	Indicative Summary of NOC IT & Non IT Infrastructure NOC Build-up (Approx. 2000 Sq. Ft.) Interior - PCC, False Flooring & Ceiling, Furniture, Partitions, Doors and Accessories Page 135 of 341	NMS	False Flooring	<p>In the entire document nothing is mentioned related to the floor finish / false flooring system, if it is required then please refer the below mentioned points.</p> <p>1. Unlike normal conventional false floors, the floors have to be provided with calcium silicate floor tiles which shall have acoustic laminate on the top.</p> <p>The top finish material must be bio-degradable, acoustical in nature and must not emit any harmful VOCs, should be durable in nature and resistant to scratches.</p> <p>The overall tile weight shall be 22-28 Kg (lighter without compromising the strength); to make it easier to lift the tile without any fatigue to the maintenance personnel.</p> <p>The acoustic Laminate shall reduce impact sound by 14dB (ISO 717-2)). It shall be twinlayer linoleum built up from 2 mm acoustic laminate.</p>	Please refer revised RFP.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
163	4.4.5 NOC - IT & Non – IT Infrastructure Requirement	Indicative Summary of NOC IT & Non IT Infrastructure NOC Build-up (Approx. 2000 Sq. Ft.) Interior - PCC, False Flooring & Ceiling, Furniture, Partitions, Doors and Accessories Page 135 of 341	NMS	Partitions	<p align="center"><u>Partitions & Panelling</u></p> <p>The work environment plays a vital role in the operations of a control room as aesthetically superior environment enhances the performance. An aesthetically superior environment not only adds substance to the surroundings but also to the conduct and the body language of the individuals working into it.</p> <p>The verticle wall cladding/finishes and room partitions must add value to the control room in terms of:- Functionality (Achieving Acoustings & reducing Echo), Sustainability (Maintenance Free Environment), Safety(against fire and seismic vibrations), Easy Upgradation (for accomodating future technologies without any civil work (like increasing the number of Large Video Screens, access the cable ducts for any new equipment introduced at a later stage) etc. Aesthetics : The control room being the Core Activity area/heart of any controlling/monitoring activity, hence it is recommended that it is designed to have World Class feel.</p>	Please refer revised RFP.
164	4.4.5 NOC - IT & Non – IT Infrastructure Requirement	Indicative Summary of NOC IT & Non IT Infrastructure NOC Build-up (Approx. 2000 Sq. Ft.) Interior - PCC, False Flooring & Ceiling, Furniture, Partitions, Doors and Accessories Page 135 of 341	NMS	Partitions	<p align="center"><u>Panelling and Partition :-</u></p> <p>These two finishing items shall be made up of panels which are 100% factory made and are ASTM E-84 certified (for safety against any fire incident as these will not provoke fire). Also the front sheet is a PVC coated sheet shall be Class A Fire Rated as per ASTM E84 and the color must not fade for another 10 years. The PVC coating shall be resistant to scratch and peeling off.</p>	Please refer revised RFP.
165	4.4.5 NOC - IT & Non – IT Infrastructure Requirement	Indicative Summary of NOC IT & Non IT Infrastructure NOC Build-up (Approx. 2000 Sq. Ft.) Interior - PCC, False Flooring & Ceiling, Furniture, Partitions, Doors and Accessories Page 135 of 341	NMS		<p>Why painting is not recommended in Control Room</p> <p>Since wall cladding itself is a designer material and hence painting is not recommended/required at all.</p> <p align="center">Reduction in total Installation time:-</p> <p>Using the modular control room interior design will reduce the complete site installation only to two months as compared to conventional working of 4 months .</p>	Please refer revised RFP.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
166	4.4.5 NOC - IT & Non – IT Infrastructure Requirement	Indicative Summary of NOC IT & Non IT Infrastructure NOC Build-up (Approx. 2000 Sq. Ft.) Interior - PCC, False Flooring & Ceiling, Furniture, Partitions, Doors and Accessories Page 135 of 341	NMS		The wall cladding Panels must be designed to take care of undulation of civil walls (upto 100mm) and provide perfect flat surface finish.	Please refer revised RFP.
167	4.4.5 NOC - IT & Non – IT Infrastructure Requirement	Indicative Summary of NOC IT & Non IT Infrastructure NOC Build-up (Approx. 2000 Sq. Ft.) Interior - PCC, False Flooring & Ceiling, Furniture, Partitions, Doors and Accessories Page 135 of 341	NMS		Applying approved fire retardant coating on all vertical surfaces, furniture etc. as per manufacturer's specification. Fire Safety :- The proposed system has Class A fire rated tiles as per ASTM E84 to ensure safety against fire.	Please refer revised RFP.
168	4.3.1.2 / Page 109	Clause 1 & 4	Network Design	1. OLT will be installed at BSNL exchange inside 42U ETSI rack 4. Splitters will only be planned & installed at BSNL exchange / block level. 1:4 splitters will be used.	We presume these are the functions expected to be performed by FDMS Rack who specs in Annex A, page 181 is given as FDMS: As per TEC GR No. GR/FDM-01/02. APR 2007 with Amendment Dated 02.05.2012, with latest amendments if any. The FDMS mentioned in the above GR does not detail on the splitter mounting nor does it has provision of air flow management. These have been covered in FDMS Exchange specifications covered in Bharat net tender CA/MMT/NOFN/Selection of PIA/T-610/2017. Similar racks has been covered in 05/CEO/CHIPS/MSI/BHARATNET/2018 & BBNL/MM/2017/PIA Kindly advise whether the supplies can be done against the specifications mentioned in these tenders. These racks can be used to terminate the fibers, as well as to mount splitters, RFMS and OLT Chassis	96F cable is of ribbon type. So, pigtailed inside FDMS must also be of ribbon type. Please refer Equipment Rack specifications in revised RFP Mentioned clause remains same.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
169	4.4.6.2 / Page 151	Clause 2	Network Design	2. An OLT location will have 5 - 6 nos. 96F ribbon feeder cables terminated on FDMS.	<p>We presume these are the functions expected to be performed by FDMS Rack who specs in Annex A, page 181 is given as FDMS: As per TEC GR No. GR/FDM-01/02. APR 2007 with Amendment Dated 02.05.2012, with latest amendments if any.</p> <p>The FDMS mentioned in the above GR does not detail on the splitter mounting nor does it has provision of air flow management.</p> <p>These have been covered in FDMS Exchange specifications covered in Bharat net tender CA/MMT/NOFN/Selection of PIA/T-610/2017. Similar racks has been covered in 05/CEO/CHIPS/MSI/BHARATNET/2018 & BBNL/MM/2017/PIA</p> <p>Kindly advise whether the supplies can be done against the specifications mentioned in these tenders. These racks can be used to terminate the fibers, as well as to mount splitters, RFMS and OLT Chassis</p>	<p>96F cable is of ribbon type. So, pigtailed inside FDMS must also be of ribbon type.</p> <p>Please refer Equipment Rack specifications in revised RFP</p> <p>Mentioned clause remains same.</p>
170	Annexure A / Page 181	Clause 5 & 6	TEC	<p>SJC: As per GR No. TEC/GR/TX/OJC-002/03/APR-2010, with latest amendments if any.</p> <p>BJC: As per GR No. TEC/GR/TX/OJC-002/03/APR-2010, with latest amendments if any.</p>	<p>The closures specified in this GR is not suitable for ribbon fiber cables.</p> <p>The closure suitable for ribbon fiber has been specified in FDMS Outdoor specifications covered in Bharat net tender CA/MMT/NOFN/Selection of PIA/T-610/2017. Similar closures has been covered in 05/CEO/CHIPS/MSI/BHARATNET/2018 & BBNL/MM/2017/PIA</p> <p>Kindly advise whether the supplies can be done against the specifications mentioned in these tenders.</p>	Please refer revised RFP.
171	Annexure A / Page 181	Clause 4	TEC	FTB: As per GR No. TEC/GR/TX/FTB-02/02/APR-2010 – Type – II, with latest amendments if any.	<p>It has been mentioned that FTB should be as per GR No. TEC/GR/TX/FTB-02/02/APR-2010 – Type – II, with latest amendments if any.</p> <p>The wall mount FTB as per GR is only for upto 24F, here the requirement is 48F and 96F.</p> <p>The FDMS closure suitable for high count ribbon fiber has been specified in FDMS Indoor GP specifications covered in Bharat net tender CA/MMT/NOFN/Selection of PIA/T-610/2017. Similar cabinets has been covered in 05/CEO/CHIPS/MSI/BHARATNET/2018 & BBNL/MM/2017/PIA</p> <p>Kindly advise whether the supplies can be done against the specifications mentioned in these tenders.</p>	Please refer revised RFP.
172	1.2 Summary of Packages	Package A (Rest of Gujarat) consists of	Network Design	Connectivity to GFGNL's State NOC at Gandhinagar, Gujarat along the specified route	Please clarify whether separate connectivity is required from Taluka to State NOC	As per RFP
173	1.2 Summary of Packages	Package A (Rest of Gujarat) consists of	Network Design	Bandwidth provisioning for each ONT, through OLT/NOC via either BSNL or GSWAN backhaul. This would entail all connections including connection with OCLAN.	Please clarify whether separate connectivity is required from BSNL or GSWAN to THQ.	As per RFP

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
174	1.2	a	Network Design	The agency (PIA) shall be responsible for implementing entire project on EPC basis including but not limited to Survey, Design & Plan, Supply, Installation, testing, commissioning of OFC (Underground & Aerial) & its accessories (patch panel, Electronic route marker, splitter, splicer, joint connectors, mounting structure for Aerial, Pole [if required] etc.), PLB HDPE Duct, Manhole & Handhole, Joint chambers, Patch cords, Racks, UPS, GPON equipment, NOC equipment's (IT & Non-IT), Remote Fibre Management System, other Hardware/software as per detailed scope of work and its end-to-end integrations. Also, to undertake the responsibility for Operations & Maintenance (O&M) and service provisioning of the established network for 7 years from the date of Go-live on turnkey basis.	Is it require to install Electronic Route Indicators? If yes, what is the preferred location or distance between two ERMs	"Electronic Route Marker" stands removed. However, the distance between two Cement Route Markers must be 200 Meters.
175	1.2 Summary of Packages	Package A (Rest of Gujarat) consists of	RoW	Procurement of RoW permissions	Please clarify whether single window clearance would be made available for this project.	There is no Single Window clearance. GFGNL has intimated the state bodies of the RoW requirements of this project. Central agencies shall be intimated by GFGNL in due course. The PIA shall provide a separate dedicated RoW team for filing, liaising, follow-up and escalation of RoW permission related matters.
176	1.2 Summary of Packages	Package A (Rest of Gujarat) consists of	RoW	Procurement of RoW permissions	With Single window clearance, we request for turn around time of 5 Days.	There is no Single Window clearance. GFGNL has intimated the state bodies of the RoW requirements of this project. Central agencies shall be intimated by GFGNL in due course. The PIA shall provide a separate dedicated RoW team for filing, liaising, follow-up and escalation of RoW permission related matters.
177	1.2 Summary of Packages	Summary of software that are part of Package A	Site Survey	Bidders of both the packages are expected to conduct a comprehensive site survey before bidding to arrive at the actual route lengths, BoQ and other components efficiently and effectively	As the survey will be desktop basis, the BoQ, length and other components may vary during the actual route/site survey. Please clarify how much variation is permitted.	Any deviation or variation has to be borne by the bidder at his own cost. The bidder is expected to be as accurate as possible in his site survey.
178	1.2 Summary of Packages	Summary of software that are part of Package A	Software	Necessary OS and DB Licenses to be procured by PIA	Requesting to clarify whether existing OS / DB licenses available with SDC to be utilized. Also provide the details of existing OS / DB licenses required for the software/application provided by GFGNL.	4.3.2.2 c) Server (Computing) and Storage for all software applications like NMS along with all other applications such as ERP, Project management tool, web portal mobile, etc. will be provided by GFGNL on state data centre. However required necessary OS licenses, Data base licenses or any other software license required shall be supplied, installed, configured and managed by PIA for entire tenure of the project.
179	1.2 Summary of Packages	Package A (Rest of Gujarat) consists of	Software	Tenderer reserves the right to change/replace the aforementioned software. However, the successful bidder would continue to maintain, and operate the new software after receiving appropriate training.	In case the Tenderer changes/replaces the software then it is assumed that appropriate training/handholding would be facilitated by the Tenderer for the specific software, only post that, the PIA may be in position to maintain and operate the replaced software.	Please refer Corrigendum RFP.
180	1.2 Summary of Packages	Package A (Rest of Gujarat) consists of	Software	Coordination with C-DOT for continuous development of CDOT products and continuous feature development of software provided by the bidder	PIA shall operate and maintain the software provided by C-DOT, and hence, only customization may be needed to meet the specific requirement of the project. Hence, PIA shall not be involved in continuous development of the CDOT products.	Please refer Corrigendum RFP.
181	1.2 Summary of Packages	4.b	Software	Security Policy and System Security Plan	It is assumed that the Security policy / System Security plan shall be provided by Tenderer and adhered to by PIA.	RFP Clause remains unchanged.
182	3	3.21	Bid Process	the Tenderer shall notify the PIA of its decision at least 3 (six) months prior to the expiry of the Term	Please clarify whether it is three months or six months	To be read as "Six" months.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
183	3	3.14 Ownership of Equipment	Insurance	The Tenderer shall own the services and items supplied by the PIA arising out of or in connection with this Contract only after the date of 100% Go-Live. In case of theft/physical damage (Repair not possible -RNP) to the Network components / equipment, the equipment shall be replaced on PIA's cost till full 100% Go-live and at Tenderer's cost after full 100% Go-live.	Since, the theft/physical damage shall be replaced on PIA's cost, please clarify whether the respective insurance must be taken in Tenderer's name.	Please refer Clause No 3.34 "Insurance"
184	3	3.27 Payment Schedule	Payment	Payment Schedule	We request to revise the payment schedule so that atleast 80% of the Capex payment is released for the material delivery.	RFP Clause remains unchanged.
185	3	3.32	Penalty	Penalty for deviation in delivery timelines / milestone to be achieved will be ceiling capped at 20% of total CAPEX of respective package	We request to amend the clause as : Penalty for deviation in delivery timelines / milestone to be achieved will be ceiling capped at 10% of total CAPEX of respective package for the respective aggregated pending GPs.	RFP Clause remains unchanged.
186	3	3.32	Penalty	Underground fiber laying: Penalty for deviation from Standard Engineering Instructions for fibre laying (Underground), is capped at 10% of CAPEX cost of the package. This penalty is separate and applicable in addition to 20% of penalty capping applied for non-compliance in delivery timeline or milestones achievement as per table 3.5 of this section.	We request to amend the clause as : Penalty for deviation from Standard Engineering Instructions for fibre laying (Underground), is capped at 10% of respective deviated pits. This penalty is inclusive of 10% of penalty capping applied for non-compliance in delivery timeline or milestones achievement as per table 3.5 of this section.	RFP Clause remains unchanged.
187	3	3.32 4. Penalties applicable in case of deficiency in Ongoing performance and service levels during Operations & Maintenance Phase	Penalty	Maximum penalty ceiling shall be 20% of Quarterly OPEX Value	We request to amend the clause as : Maximum penalty ceiling shall be 10% of Quarterly OPEX Value	RFP Clause remains unchanged.
188	3	3.32 5. Penalties for not keeping man-power	Penalty	there would be a penalty per person per day as defined below and will be deducted from the quarterly payment without any maximum penalty cap.	We request to amend the clause as : There would be a penalty per person per day as defined below and will be deducted from the quarterly payment with maximum penalty cap of 10% for the respective person.	RFP Clause remains unchanged.
189	Section -III	3.32	Penalty	Penalty	For Calculation of % of penalty to be levied for shortfall in commissioning of GP, whether Gross number of shortfall in commissioning of GP will be considered or Net shortfall in GP (excluding pending due to ROW issue) will be considered. In case penalty percentage will be on Gross number of GP, then please change the same to Net no of GPs	Cumulative GPs pending will be taken. GPs pending for RoW applications will not be counted.
190	3	3.19	Software	API Integration of all other apps with ERP	Please clarify whether the API integration shall be limited to the applications under the purview of this project only.	RFP Clause remains unchanged.
191	3	3.32 4. Penalties applicable in case of deficiency in Ongoing performance and service levels during Operations & Maintenance Phase	Software	SLA for NMS, ERP, Mobile App and Web Portal	As per RFP, the NMS tools / Hosting are provided by GFGNL, in case of bugs/errors in the application OR Data Centre level failure which may result in non-availability of the NMS. In such a situation, we request the removal of this clause.	Downtime of Applications provided by PIA, due to failure of GFGNL-provisioned hardware shall not be considered for penalty calculation.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
192	3	3.22 Prices	Variation	Prices quoted must be firm and shall not be subject to any upward revision on any account whatsoever throughout the period of contract. Tenderer however reserves the right to review the charges payable for the Maintenance and Management of the infrastructure at any time at the request of Tenderer whichever is earlier to incorporate downward revisions as applicable and necessary.	We request removal of this clause.	RFP Clause remains unchanged.
193	3	3.22 Prices	Variation	If at any time, during the period of contract, the PIA offers identical services/products to any other Govt. Department/ Organization at prices lower than those chargeable under this contract, he shall notify the same to the Tenderer and extend such reduced prices to the Tenderer with immediate effect.	We request removal of this clause as due to Geographical limitations and time frame, the prices for services/product may vary that is offered to any other Govt. Department/Organization during the period of contract	RFP Clause remains unchanged.
194	3	Clause 3.22	Variation	Tenderer however reserves the right to review the charges payable for the Maintenance and Management of the infrastructure at any time at the request of Tenderer whichever is earlier to incorporate downward revisions as applicable and necessary.	Since the PIA has already invested Maintenance and Management costs, we request to remove this clause.	RFP Clause remains unchanged.
195	4.3	4.3.1.2	Network Design	Network Design Criteria	As Per Above Image From INT1 to GP1 48F can be used, but from 48F how many Fiber (Tube) will be terminated at GP Location.	All 48F will be terminated at GP location inside 48F FTB which is mentioned in SoR.
196	4.3	4.3.9	Network Design	Fibre laying architecture will be Linear, running through, beginning at the OLT at the exchange, running through the villages dropping 12 fibres at each village (by splicing 1 no. 12F ribbon between 96F cable & 48F cable)	Please clarify, at intersections, how many fibers/tubes (from 96F) are required to be spliced to connect 48F?	Already mentioned in this clause. 6 F or 12F ribbon splicing is required between 96F and 48F cables such that 12 number of fibres shall be dropped at each GP.
197	4.3	4.3.1.2	Network Design	Network Design Criteria	From OLT 1 to OLT 2 96F consider as Feeder cable. Please clarify, from one 96F Feeder, how many GPs are required to be connected	It should be based on link budget considerations. Maximum 7 GPs can be connected on single 96F feeder cable as per design mentioned in this tender.
198	4.3	4.3.4	Network Design	Splitters will only be planned & installed at BSNL exchange / block level.	Please suggest if 1:4 Splitters can be used at Junctions for 12F/48F Conncctivity	RFP Clause remains unchanged.
199	4.8.1.10	4.8.1.10	Network Design	Joining/ Splicing Optical Fibre Cable Joints between 96F feeder cable and 48F distribution cable will be at varying distances depending upon the road intersection point from where distribution fibre to be laid for connecting Panchayats. The 12 fibres are to be spliced at every Joint between feeder and distribution cables to provide each GP with minimum 12F connectivity & at both ends (Terminations) in the equipment room as directed by the State/SIA.	As per the clause, 12 fibers of 96 Fiber Feeder cable will be Spliced at Intersections to connect with 48 Fiber Distribution Cable. Do we need to install 1:4 Splitters at these locations. Kindly Confirm.	No, splitters will only be installed at OLT location (at BSNL exchange).
200	4.8.1.4	General	Network Design	Router Marker	Please clarify what would be the distance between two Cement & Electronic Route Markers	"Electronic Route Marker" stands removed. However, the distance between two Cement Route Markers must be 200 Meters.
201	4.8.1.10	General	Network Design	CABLE PULLING Manholes marked during PLB HDPE Ducts pipe laying of approx. size of 2.0 m length x 1.0 m width x 1.65 m depth shall be excavated for pulling the cables. There may be situations where addition manholes are required to be excavated, for some reasons, to facilitate smooth pulling of cable.	Please clarify, what would be the distance between two Manholes	As per industry best practice. / As per industry best practice, loop chamber to be installed at following locations (but not limited to) 1. Every Km 2. At both sides of road crossings, culvert and bridge crossings.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
202	4.8.1.11	General	Network Design	The joint chambers are provided at every joint to keep the O.F.C. joint well protected and also to keep extra length of cable, which may be, required to attend the faults at a later date. Jointing chambers are to be prepared at the Fibre Point of Interconnect (FPIO) or normally at distance of every 2 km. Actual location of jointing chamber depends on length of cable drum and appropriateness of location for carrying out jointing work, tapping point for 96/48 connection.	Please clarify, whether it is mandatory to use 2km OFC Drum. Can 4km OFC Drum be also used	No change in clause. Only 2 Km OFC drum to be used.
203	4.8.1.11		Network Design	Fixing of Route Indicators / Joint Indicators: Pits shall be dug 500cm to 1000 cm towards jungle side at every Manhole and Jointing Chamber for fixing of Route/Joint Indicator.	Is 500 cm to 1000 cm correct? OR will it be 50 cm to 100 cm?	It is 50 cm to 100 cm. Please refer revised RFP
204	4.8.1.10		Network Design	The PIA will maintain an As-build route diagram and details for splicing of OFC for each GP through GIS tool. The diagram shall indicate the cores from all OFC with their color coding and numbering. PIA will provide As-build route diagram every quarter during implementation phase and on 1st Jan of every year during O&M phase, then only next payment will be processed. These diagrams will be in high resolution pdf plus A2 sized print out covering one block per A2 sheet.	What is the accuracy requirement for As-Built Diagram. Also what are the landmark and road features to be captured.	As per Revised RFP
205	General		Network Design	DUCT/SPAN	No of duct for multiple fiber from one road (if any)	Only 1 duct to be laid for one cable.
206	4	4.4.3 NOC Monitoring Requirements	NMS	In case any mentioned functionality of NMS is not available out of the box from day one, then PIA must ensure to develop and deliver any such functionality required by coordinating with NMS software provider	Since the framework, codes, etc is the ownership of NMS OEM, it may not be feasible for PIA to develop the functionality required. Hence, we request Tenderer to get the necessary functionality developed from the respective OEM.	Please refer Corrigendum RFP.
207	4	4.4.1	NMS	NOC Location	Requesting to provide the necessary details about the NOC location identified by the Tenderer	Please refer Corrigendum RFP.
208	4	4.3.3.2 Periodical Maintenance	O&M	The PIA shall carry out periodical maintenance of the network commissioned with such frequency that each OLT and ONT is covered once every month	We request to amend the clause as: The PIA shall carry out periodical maintenance of the network commissioned with such frequency that each OLT and ONT is covered once every quarter.	RFP Clause remains unchanged.
209	Annexure C	Annexure C	General	Lat Long Information	Please provide the Lat Long and Name details for all the BSNL Exchanges that are in the purview of this RFP	Will be provided to the bidders after signing of NDA.
210	General	General	General	General	We request to provide a SPOC, dedicated team and define timelines of approx. 48 hours for timely resolution of the issues highlighted during the execution/O&M of the project at field/central level.	RFP Clause remains unchanged.
211	1.2 Site Survey	Page 16 of 341	Site Survey	The Bidders of both the packages are expected to conduct a comprehensive site survey before bidding to arrive at the actual route lengths, BoQ and other components efficiently and effectively.	As per our understanding , bidder has to complete the site survey and prepare complete BOQ details before finalization/submission of the bid. As you aware that site survey is a specific and time consuming job it should be taken care by the client. So, may we request you to kindly remove the survey scope from the bidder scope before the bid submission. Hence, you are requested to provide the tentative BOQ for the evaluation purpose in the tender document . Actual survey can be conducted by the L1 bidder. Based on the survey completed by the L1 bidder, final BOQ can be derived and payment will be on actual basis.	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
212	Section 2, Evaluation of Eligibility Criteria	2.28, Sr. 3, page 35 of 341	Bid Process	In case the sole bidder or a Lead bidder (in case of Consortium) desires to bid for both the packages then the bidder must have experience of 10000 kms, in Laying, Installation, Testing and Commissioning of Optical Fibre Cable (Underground or Aerial), Duct and accessories as mentioned below in last 3 years on bid submission date.	The experience asked in the tender is on higher side and would limit the participation . Considering the above may we request you to kindly relax the eligbilty criteria from 10000 KM Experience of Laying, Installation, Testing and Commissioning to 6500 KM.	RFP Clause remains unchanged.
213	Penalty	3.2.2 Point f, page 78 of 341	Penalty	Penalty for deviation in delivery timelines / milestone to be achieved will be ceiling capped at 20% of total CAPEX of respective package.	Penalty of 20 % is in higher side. We may request you to kindly reduce the penalty to 10 % of total CAPEX of repective package.	RFP Clause remains unchanged.
214	Penalty	Point 5 , page 83 of 341	Penalty	Maximum penalty ceiling shall be 20% of Quarterly OPEX Value.	Kindly reduce penalty ceiling up to 10 % of Quarterly OPEX value.	RFP Clause remains unchanged.
215	Scope of Work - ROW permission	4.3.1 Plan, Design, Implement and Commission Phase, page 104	RoW	The bidder is responsible for obtaining RoW permissions. The office of GFGNL will facilitate in coordination with respective Government agencies, however, the PIA shall have to prepare proposals in requisite format, submit it to relevant agencies for approval, and do necessary follow up. In case, there are penalties for executing work without ROW permission, then PIA shall bear that. State government has waived ROW charges. However approval for alignment with state agencies still needs to be done. PIA shall obtain ROW permissions from the central and state agencies such as national highways, Oil and gas pipelines, Railways etc. If the PIA has to pay ROW charges to any agencies (Except Penalties for violation which PIA has to bear), then the GFGNL shall reimburse.	Kindly confirm that bidder shall be not responsible for any delay due to ROW permissions as these are dependent upon approval from diiffrent state and central agencies.	Refere Clause: 3.32 (g) : "In case of delay in delivery milestone of GPs due to RoW approval not received in a month from the date of complete RoW application such GPs shall be excluded from calculation of penalties."
216	Scope of Work - Site Survey	4.3.1, Sr no 1 of Sr. No. 3, page 104	Site Survey	Detailed Site Survey (before bidding, GIS data related to GP locations and desktop based site survey, done by the tenderer, can be shared with perspective bidder upon signing of NDA with the tenderer.) and mapping of GIS data, route planning and optimization.	As per our understanding , bidder has to complete the site survey and prepare complete BOQ details before finalization/ submission of the bid. As you aware that site survey is a specific and time consuming job it should be taken care by the client. So, may we request you to kindly remove the survey scope from the bidder scope before the bid submission. Hence, you are requested to provide the tentative BOQ for the evaluation purpose in the tender document . Actual survey can be conducted by the L1 bidder. Based on the survey completed by the L1 bidder, final BOQ can be derived and payment will be on actual basis.	RFP Clause remains unchanged.
217	Site Survey	4.3.1.1	Site Survey	All bidders shall conduct exhaustive field site survey to derive optimal path of connectivity between OLT & ONTs for preparing the Bill of Quantity (BoQ) for each site, Taluka, District and state before submission of bids. Based on the site survey report and finalized BoQ, the PIA shall carry out the implementation of the work	As per our understanding , bidder has to complete the site survey and prepare complete BOQ details before finalization/ submission of the bid. As you aware that site survey is a specific and time consuming job it should be taken care by the client. So, may we request you to kindly remove the survey scope from the bidder scope before the bid submission. Hence, you are requested to provide the tentative BOQ for the evaluation purpose in the tender document . Actual survey can be conducted by the L1 bidder. Based on the survey completed by the L1 bidder, final BOQ can be derived and payment will be on actual basis.	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
218	Section II	2.28-2,3	Bid Process	The Sole Bidder or Lead Bidder in case of a consortium should have experience of Laying, Installation, Testing and Commissioning of Optical Fibre Cable (Underground or Aerial), Duct and accessories as mentioned below in last 3 years as on bid submission date: Package A: 5100 kms Package B: 4900 kms	As this is a consortium bid,pls allow the lead bidder to take the experience criteria of laying of cables from his consortium members.	RFP Clause remains unchanged.
219	SectionII	2.28 Note 1	Bid Process	In case the sole bidder or a Lead bidder (in case of Consortium) desires to bid for both the packages then the bidder must have average annual turnover criteria equal to cumulative value of both the packages i.e. INR 795.8 crore for the last three audited financial years (2014-15, 2015-16 and 2016-17)	As the tender is opening in the next FY,pls allow 2017-18 turnover (unaudited) for calculating the average turnover for last 3 years.So please confirm that bidders can use either FY 2014-15,2015-16 & 2016-17 OR 2015-16,2016-17 and 2017-18 for calculating the average turnovers..	RFP Clause remains unchanged.
220	Section-II	10	PMA	The Sole Bidder or Lead Bidder through its consortium partner should comply with Preferential Market Access (PMA) guidelines notified by DoT and all its clarifications/amendments applicable on this RFP.		Query not understood
221	Section-II	2.28-7	TEC	The Sole Bidder/lead Bidder should submit valid letter from each of the OEM (one and only one OEM for each component) - confirming the following: OEM shall ensure that all equipment/components/sub- components being supplied by them shall be supported for entire contract period. If the same is de-supported by the OEM for any reason whatsoever, The bidder shall replace it with an equivalent or better substitute that is acceptable to Tenderer without any additional cost to the Tenderer and without impacting the performance of the solution in any manner whatsoever.	As part of the documentary evidence required,bidder is required to submit the TSEC approval certificate and MAF.We would like to submit that the no. of ports as asked in the tender for GPON equipments is more than last few BSNL/BBNL tenders.We have taken TSEC approval against the last BSNL tenders for NOFN as per TEC GR.Please confirm if an OEM bids the same Model which is having the TSEC approval against the last BSNL tender complying to the TEC GR, OEM need not submit a fresh TSEC certification against this tender as it would save a lot of precious time. Anyways,the supplies would happen after BSNL QA clearance. Please confirm.	If the OEM has TSEC approval for the exactly same product which has been asked in this tender, then no fresh TSEC approval is required. But if product is changed due to specific functional requirement asked in this tender, then TSEC approval is required.
222	Section II	Note 1	TEC	Note 1: All the tender items e.g. GPON OLT, ONT, OFC, Splitters, Batteries, and Charging Control Unit should have valid Type Approval Certificate (TAC) from Telecom Engineering Centre (TEC), New Delhi or Technical Specification Evaluation Certificate (TSEC) from Quality Assurance Circle, BSNL, Bengaluru, against the respective technical specifications of this RFP. In case any of the quoted models does not have TAC/ TSEC then it should be applied for TSEC to Quality Assurance Circle, BSNL, Bengaluru or to TEC, New Delhi for the model against the technical specifications, at least one day before the bid submission date. The registration number allotted for the TSEC purpose by Quality Assurance Circle, BSNL,Bengaluru or for TAC purpose by TEC, New Delhi shall be submitted along with the bid. However, only type approved products as per above specifications shall be accepted which shall have to be obtained before issuing Work Order by the Tenderer.	We would like to submit that the no. of ports as asked in the tender for GPON equipments is more than last few BSNL/BBNL tenders.We have taken TSEC approval against the last BSNL tenders for NOFN as per TEC GR.Please confirm if an OEM bids the same Model which is having the TSEC approval against the last BSNL tender complying to the TEC GR, OEM need not submit a fresh TSEC certification against this tender as it would save a lot of precious time .Anyways,the supplies would happen after BSNL QA clearance. Please confirm.	If the OEM has TSEC approval for the exactly same product which has been asked in this tender, then no fresh TSEC approval is required. But if product is changed due to specific functional requirement asked in this tender, then TSEC approval is required.
223	Section-IV	4.3.1.7	Delivery Milestone	1 Year after go live	If few GPs got delayed due to unforeseen reasons, then what would be the criterion of the "go live"? Kindly Confirm.	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
224	Section-IV	4.3.1.2	Network Design	Network Design Criteria/ "16 Network connectivity [(4 * 10G) + (4 * 1G)] ports will be there on 2 redundant NT cards (Network cards towards backend Network)".	As a general practice wherein 10G & 1G interfaces are being used in OLT Equipment, 10G interfaces distribution across redundant modules are required however GigE interfaces are required in separate modules with flexibility to plugin as & when required across multiple slots. Moreover GE interfaces redundancy is not required. Kindly confirm.	We are concerned with only no. of ports, with redundancy (wherever applicable)
225	Section-IV	4.3.1.2	Network Design	Network Design Criteria/ "All Optical Fibre Cables, equipment, passive and active components will meet technical requirement specified in respective TEC GR / tender as specified in Annexure – A."	We would like to submit that the no. of ports as asked in the tender for GPON equipments is more as compared to the TEC GR and last few BSNL/BBNL tenders. We have taken TSEC approval against the last BSNL tenders for NOFN meeting the TEC GR. Please confirm if an OEM bids the same Model which is having the TSEC approval against the last BSNL tender meeting the TEC GR, OEM need not submit a fresh TSEC certification against this tender as it would save a lot of precious time. Anyways, the supplies would happen after BSNL QA clearance. Please confirm.	If the OEM has TSEC approval for the exactly same product which has been asked in this tender, then no fresh TSEC approval is required. But if product is changed due to specific functional requirement asked in this tender, then TSEC approval is required.
226	Section-IV	4.4.3	NMS	NOC Monitoring Requirements / "The Successful bidder shall Implement, operate and maintain, Network Management System (NMS), SLA & Performance Monitoring System for the complete BharatNet Phase -2 Network established."	We understand that Active Equipments (Transport Network & GPON) are required to be managed from same NMS. Please confirm.	RFP Clause remains unchanged.
227	Section-IV	4.4.3	NMS	NOC Monitoring Requirements / "The Successful bidder shall Implement, operate and maintain, Network Management System (NMS), SLA & Performance Monitoring System for the complete BharatNet Phase -2 Network established."	In order to ensure no failure in case of NMS Server Hardware/Software failure, we understand that Server Redundancy would be required to work on 1+1 Hot Standby Mode. Please confirm.	RFP Clause remains unchanged.
228	Section- II	2.28 (1, b)	Bid Process	Technical eligibility	In case of consortium, we request you to consider average annual turnover for combined consortium members instead of only Lead Bidder.	RFP Clause remains unchanged.
229	Section- II	2.28 (2)	Bid Process	Technical eligibility	We request you to consider completed length of seven years instead of three years. Further, in case of consortium, please consider the laying experience of all the consortium members instead of only Lead bidder.	RFP Clause remains unchanged.
230	Section - I	3.27	Payment	Payment Terms	We request you to consider release of partial payment on supply of materials, to ease the cash flow.	RFP Clause remains unchanged.
231	NA		Network Design	NA	With reference to your RFP No: GFGNL/DST/BharatNet – PIA/2018/26 , Optical fiber cable Quantity is not mentioned, So please advice to cable Quantity with size enabling us to proceed further	Survey and Network planning is to be done by bidder. Cable size is already provided in this tender.
232	I	Note 1	TEC	The TSEC obtained by the OEMs of bidders for the various tenders floated by BBNL/BSNL in the last two years shall be acceptable for the items which are part of this RFP provided that the technical specifications remains unchanged.	1. We understand that if the GPON OEM has the TSEC certificate against any of the BBNL tenders with mention of TEC GR (GR No. GR/PON-01/02 APRIL 2008 with all amendments) in the last two years, the OEM will be eligible to participate in the bid and for the supply of GPON equipments. As this clause has only mentioned about the Eligibility to participate for the bid we request to confirm that this clause is applicable for supply as well. Kindly confirm	Yes, however if product is changed due to specific functional requirement asked in this tender, then fresh TSEC approval is required.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
233	III	4.3.1.2 (3)	Network Design	Each OLT will have total 32 Ports. Of 32 Ports, 16 PON Ports will be there on LT cards (Line cards towards ONT side) and 16 Network Connectivity (4x10G + 4x1G) Ports will be there on 2 redundant NT cards (Network cards towards backend network)	All the TSEC certified Vendors of GPON have only 2x10G Ports Per NT card for the Network, we kindly request you to modify the clause as "Each OLT will have 28 Ports. Of 28 Ports 8 Ports will be there on LT cards (Line cards towards ONT side) and 20 Network connectivity (2x10G + 8x1G) will be there on 2 redundant NT cards (Network cards towards the backend network)	RFP Clause remains unchanged.
234	III	4.3.1.2	Network Design	No metnion of Spare line card	We kindly request GFGNL to include one spare line card (of same type) with every OLT. All accessories for the spare line card like Fiber Patch cords, SFPs etc., should be supplied by the bidder.	As per RFP
235	III	4.3.1.2 Page No. 115	Network Design	Each ONT will have 1 PON Port and minimum 8 Ethernet Ports (1000 Base T)	All the TSEC certified Vendors of GPON got TSEC for ONT with following interfaces : 1x PON + 4x1G + 2 POTS + 1x802.11 b/g/n ONTs. Hence we request GFGNL to modify this clause as " Each ONT will have 1 PON Ports , 4 Ethernet Ports (1000 Base-T), 2 PoTS Ports and 1x802.11 b/g/n WiFi Port."	As per RFP
236	III	4.3.1.2 Page No. 115	UPS	PIA will also install UPS at GP with minimum Power backup of 2 Hrs	"We kindly request GFGNL to provide the specifications for the UPS in the GP"	Integrated SMPS power supply stands removed. Further, UPS of 1 KVA capacity to be provided at GP locations with 2 hrs battery backup." Please refer revised RFP
237	III	4.3.1.7	TPA	All material will be inspected at factory site by TPA/FPA representative as directed by State/SIA/BBNL. Once the material is passed from TPA/FPA at factory and is delivered at site, random inspection of some samples of material will also be done at the site by FPA/alternate agency appointed by state/SIA	We request the GFGNL to accept the factory test reports of the OEM instead of site inpection by TPA/TFA. Once the material is received at site, a random inspection of some samples of materials can be done by FPA/alternate agency appointed by the state/SIA	RFP Clause remains unchanged.
238	III	4.3.2/Page 122 (2c)	Software	Server provisioning: Server (Computing) and Storage for all software applications like NMS along with all other applications such as ERP, Project management tool, web portal mobile, etc. will be provided by GFGNL on state data centre cloud. However required necessary OS licenses, Data base licenses or any other software license required shall be supplied, installed, configured and managed by PIA for entire tenure of the project. The PIA shall be responsible for selection of a server from a pool of available servers provided by GFGNL at SDC as per the sizing for required for each application software.Implementation, configuration and management is under PIA scope of work. Further,loading of the appropriate software (operating system, device drivers, middleware, and applications), appropriately customizing and configuring the system and the software to create or change a boot image for this server, and then change its parameters, such as IP address, IP Gateway to find associated network and storage resources assignment is under PIA scope of work.	We infer that the EMS Hardware which includes the EMS Server & Storage should be provided by the PIA as part of the GPON solution. The EMS application at the state NOC will be clustered in a 1+1 failover configuration with shared storage. Please confirm. We assume that the EMS Server Hardware and Software confiurations should be capable of managing less than 350 OLTs and 8000 ONTs. Kindly confirm. Also, we infer that there will be no DR (Disaster Recovery) site for the state NOC. Please confirm. We assume that all third party softwares that is part of the GPON soution shall be licensed versions and not freeware/opensource/shareware. Please confirm.	Please refer revised RFP
239	General	NA	Software	EMS Integration with NMS through NBI (North Bound Interface)	We assume that the Element Management System (EMS) will be integrated with BBNL's Network Management System on standard North Bound Interface viz SNMPxxx/XML/ JAVA / CORBA. TMF-814/ CORBA shall be supplied as the North bound interface along with suitable network interface and software in the EMS, so as to have a common/ centralized network management system of different vendors. Please confirm.	Please refer Corrigendum RFP document.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
240	General	NA	Software	EMS Client	We infer that remote access to the EMS can be through Java based client is acceptable. Kindly confirm.	Please refer Corrigendum RFP document.
241	General	NA	Network Design	LCT	There is no mention of Local Craft Terminal (GUI Based) for managing the OLT at the OLT site for local debugging and monitoring purpose. As LCT is part of the GPON GR , we request you to specify the number of LCT's required to be quoted.	LCT as per latest TEC GR.
242	2.28) Eligibility Criteria	Page no.35, - Eligibility Criteria) 4	Bid Process	Each of the consortium partner should have an average annual turnover of at least INR 100 Crores in last three (3) audited financial years (2014-15, 2015-16 and 2016-17) AND One Consortium partner can tie up with only one lead bidder for a particular package.	Each of the consortium partner should have an average annual turnover of at least INR 40 Crores in last three (3) audited financial years (2014-15, 2015-16 and 2016-17) AND One Consortium partner can tie up with only one lead bidder for a particular package.	RFP Clause remains unchanged.
243	2.28) Eligibility Criteria	Point No. 4	Bid Process	Each of the consortium partner should have an average annual turnover of at least INR 100 Crores in last three (3) audited financial years (2014-15, 2015-16 and 2016-17) AND One Consortium partner can tie up with only one lead bidder for a particular package.	Since the project is labour intensive and spread across state a local consortium partner with strong presence and technical manpower capability would be needed by any lead bidder for execution of this project. in such scenario keeping the turnover high for consortium partner may limit the participation of potential local players with lead bidders. Hence requesting you to keep the turnover for consortium to INR 40 CR. Each of the consortium partner should have an average annual turnover of at least INR 40 Crores in last three (3) audited financial years (2014-15, 2015-16 and 2016-17) AND One Consortium partner can tie up with only one lead bidder for a particular package.	RFP Clause remains unchanged.
244	2.28) Eligibility Criteria		Bid Process	The Sole Bidder or Lead Bidder in case of a consortium should have experience of Laying, Installation, Testing and Commissioning of Optical Fibre Cable (Underground or Aerial), Duct and accessories as mentioned below in last 3 years as on bid submission date: Package A: 5100 kms Package B: 4900 kms	Relaxing the criteria and allowing the experience of consortium member will bring flexibility to bid and encourage more participation as bidder will get more options in forming the consortium arrangements with potential players. The Sole Bidder or any member of consortium (in case of a consortium) should have experience of Laying, Installation, Testing and Commissioning of Optical Fibre Cable (Underground or Aerial), Duct and accessories as mentioned below in last 7 years as on bid submission date: Package A: 2000 kms with allowance for capative deployment Package B: 2000 kms with allowance for capative deployment	RFP Clause remains unchanged.
245	4.3.1.6	Note) 4	RoW	PIA shall obtain necessary Right of Way (RoW) from State/Central agencies whichever applicable by completely following RoW application process of respective agencies. State/SIA shall facilitate the PIA in obtaining the same. The fees paid in obtaining RoW shall be reimbursed on actuals on giving necessary/relevant documents	This will reduce massive finance cost on project PIA shall obtain necessary Right of Way (RoW) from State/Central agencies whichever applicable by completely following RoW application process of respective agencies. State/SIA shall facilitate the PIA in obtaining the same. The PIA will give the Demand Note for fees to be paid for RoW to GFGNL and GFGNL to pay directly to state / central agencies .	As per RFP
246			Software		How many users will use the ERP system?	Please refer revised RFP
247	3.19	Page 60	Delivery Milestone	Delivery Timeline & Milestones for NOC and all Software:	Basic functionalities of all ERP modules are to be defined for T+2 months.	As per RFP
248	3.19	Page 60	Delivery Milestone	Delivery Timeline & Milestones for NOC and all Software:	Development of HR module in T+2 months is difficult.	As per RFP

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
249	4.5.2	Page 154	Software	Project Management Tool	Is it mandatory to have single login for all applications? Does this mean ERP, web portal and mobile applications will have common login window?	Yes
250	4.5.6.1	Page 159, Point 1	Software	4.5.6.1 HRMS and Payroll	Publishing of vacant positions on web portal will be done using web services or via manual entry?	RFP Clause remains unchanged.
251	4.5.6.2	Page 161, Point 1	Software	Inventory Management Module	The mentioned assets to be managed in ERP asset management system are different from what was discussed. It seems it is required to manage field assets as well in ERP. Will this lead to any kind of integration with mobile application?	RFP Clause remains unchanged.
252	4.5.6.3	Page 163	Software	Document Management System	It is required to have a centralized document management system. The ERP solution has a different approach for managing documents as attachments to various transactional records. Will that work? Another approach to centralized document management is if we incorporate that in web portal instead of as part of the ERP system.	Proposed solution by bidder must meet defined functional scope in RFP.
253	4.5.6.3	Page 164	Software	Document Management System	The features of the DMS are to be assessed for the solution.	RFP Clause remains unchanged.
254	4.5.6.4	Page 167, Point 2	Software	Customer Relationship Management	For the complaints tickets and grievances, we need an integration of ERP to web portal?	Proposed solution by bidder must meet defined functional scope in RFP.
255	4.5.6.4	Page 167, Point 3	Software	Customer Relationship Management	Feasibility for reporting requirements to be assessed.	Proposed solution by bidder must meet defined functional scope in RFP.
256	3.19	Page 60	Software	Delivery Timeline & Milestones for NOC and all Software:	What is the function of RoW manager? How will it integrate with web portal?	Please refer revised RFP
257	3.19	Page 60	Software	Delivery Timeline & Milestones for NOC and all Software:	Does it mean that the web portal should be ready with RoW integration by T time?	Yes
258	4.5.4.1	Page 156, Point 9	Software	Project Phase	It is assumed that an integration with GIS software would be required. Please elaborate on the format of integration.	Please refer revised RFP
259	4.5.5	Page 158, Point 1	Software	Web Portal	Will there be a uniform interface for web portal to ERP/GIS/NMS/PMT integrations?	Proposed solution by bidder must meet defined functional scope in RFP.
260	4.5.5	Page 158, Point 2	Software	Web Portal	The static and dynamic data will be fed in by GFGNL users either manually or via integrations. Please confirm.	Proposed solution by bidder must meet defined functional scope in RFP.
261	4.5.5	Page 158, Point 3	Software	Web Portal	The users of web portal will be separate from that of ERP and mobile application. Please confirm.	Proposed solution by bidder must meet defined functional scope in RFP.
262	4.5.5	Page 158, Point 4	Software	Web Portal	It is assumed that the customized reports will be based on the information received through integration from PMT or NMS.	RFP Clause remains unchanged.
263	4.5.5	Page 158, Point 9	Software	Web Portal	Is it that the user will be redirected to different applications from web portal upon login? I.e. If the user has access to NMS then he will be taken to the NMS application.	Post successful authentication from webportal through SSO, the user based on its authorization policies shall be given application access option.
264	4.5.6.2	Page 161, Point 1	Software	Inventory Management Module	The mentioned assets to be managed in ERP asset management system are different from what was discussed. It seems it is required to manage field assets as well in ERP. Will this lead to any kind of integration with mobile application?	Proposed solution by bidder must meet defined functional scope in RFP.
265	4.5.6.3	Page 163	Software	Document Management System	It is required to have a centralized document management system. The ERP solution has a different approach for managing documents as attachments to various transactional records. Will that work? Another approach to centralized document management is if we incorporate that in web portal instead of as part of the ERP system.	Proposed solution by bidder must meet defined functional scope in RFP.
266	4.5.6.3	Page 164	Software	Document Management System	The features of the DMS are to be assessed for the solution.	Proposed solution by bidder must meet defined functional scope in RFP.
267	4.5.6.4	Page 167, Point 2	Software	Customer Relationship Management	For the complaints tickets and grievances, we need an integration of ERP to web portal?	Proposed solution by bidder must meet defined functional scope in RFP.
268	4.5.6.4	Page 167, Point 3	Software	Customer Relationship Management	Feasibility for reporting requirements to be assessed.	Proposed solution by bidder must meet defined functional scope in RFP.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
269	4.5.2	4	Software	The selected PIA would be required to provide a project tracking and management web-based application accessible through a mobile app and available in offline mode also	Do we have to provide an interface for project management tool in mobile application? Which features will be available on mobile application from PM tool? What will be the format of web services exposed by PM tool?	Proposed solution by bidder must meet defined functional scope in RFP.
270	4.5.4.1	4	Software	The purpose of the app is to collect the status of work, and evidence of completed work by the PIA that are rolling out the fibre network.	Is the sole purpose of mobile application is to track project implementation and monitoring during O&M phase? Please confirm that the access to mobile application will be separate from that of the ERP or web portal. The users of the mobile application will have to register themselves (or by the admin user) in the application.	Proposed solution by bidder must meet defined functional scope in RFP.
271	4.5.4.1	4	Software	The app should have role-based access – 'Management' and 'Delivery'	Please confirm that the "Management" and "Delivery" are the two roles for mobile application users.	Proposed solution by bidder must meet defined functional scope in RFP.
272	4.5.4.1) 5	5	Software	The app should be integrated to the web-portal, the inventory management module and the document management system where aggregate details captured can be viewed	It is assumed that the integration of mobile application with the web portal will happen through web services. Please confirm.	Proposed solution by bidder must meet defined functional scope in RFP.
273	4.5.4.1) 5	5	Software	The app should be integrated to the web-portal, the inventory management module and the document management system where aggregate details captured can be viewed	Shall we consider mobile application integration with the ERP for inventory and document management modules?	Proposed solution by bidder must meet defined functional scope in RFP.
274	4.5.4.1) 6	6	Software	The should track the users working on different sites, the site details, provide process flow of different activities through checklists, Activity lists, etc and have provisions to enter equipment details such as BOM code, Equipment Manufacturer, Equipment code, lat-long, etc. along with facility to upload documents in PDF, JPG/JPEG format.	It is assumed that the users, site details, activities, check lists etc. will be created/stored in mobile application itself. Please suggest if these information should be obtained from any other data sources through integration.	Proposed solution by bidder must meet defined functional scope in RFP.
275	4.5.4.1) 7	7	Software	Capability to capture the document through mobile devices along with indexing. Using mobile app the users should be able to upload letters, circulars directly to the document management system (RoW Permissions, TPA Reports)	Please elaborate on the document indexing requirement. It is assumed that the documents will be uploaded in the mobile application only.	Proposed solution by bidder must meet defined functional scope in RFP.
276	4.5.4.1) 9	9	Software	The app should be integrated with an open source GIS software to plot the laid fibre on a layer based on status and condition; a consolidated view should be available on the web portal	We need to understand the way integration with the GIS system would work.	Proposed solution by bidder must meet defined functional scope in RFP.
277	4.5.4.1) 11	11	Software	The app should be integrated with an open source GIS software to plot the laid fibre on a layer based on status and condition; a consolidated view should be available on the web portal	Is incident management a separate software system? Who will develop or provide the application interfacing?	Proposed solution by bidder must meet defined functional scope in RFP.
278	4.5.4.1) 12	12	Software	The application shall have option to push progress data manually and support automated push of the data every 8 hour	Please elaborate on the push progress data feature. We think there should be a background job or an API to accomplish the task.	Proposed solution by bidder must meet defined functional scope in RFP.
279	4.5.4.1		Software		Shall we keep the information captured during project phase in the O&M phase as well?	Proposed solution by bidder must meet defined functional scope in RFP.
280	4.5.4.2) 3	3	Software	The purpose of the app is to facilitate leadership team and O&M team with viewing of data from NMS and Project Management tool during O&M phase and act as an interface for handling O&M activities. The PIA will have to provide tablets / equivalent smart phones to field staff to operate mobile application during O&M phase.	Are we supposed to provide a view to capture complaints?	Proposed solution by bidder must meet defined functional scope in RFP.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
281		4	Software	The app will provide view of route diagrams in between selected locations, asset related information like asset ID / Equipment code, equipment manufacturer, lat-long etc	As discussed, the assets mentioned here will be separate from ERP assets and managed in the mobile application only.	Proposed solution by bidder must meet defined functional scope in RFP.
282			RoW		What is Right of Way (RoW) application?	As per RFP
283	4.7) Page 183	Integrated SMPS Power Supply	UPS	Note: SMPS for GP locations shall be of 12 volt (DC) with 2 Hrs battery back-up.	but for Blocks Level & District level , ONT equipment works on what voltage range(12 VDC or 48 VDC)? What about Backup Hrs? <u>As per our information the ONT switches works on 48 VDC</u>	Please refer revised RFP.
284	4.3.1 Plan, Design, Implement and Commission Phase	Page no 105	Software	(PIA will have to provide source code to State/SIA for Web portal and Mobile app):	Please clarify for which application, you are looking for Source code?	Please refer revised RFP.
285	1.2	Page no 19, Point e.	Software	Project Management Tool, Mobile Application (Project and O&M Phase) and Web Portal shall be Open Source only, for the entire duration of this contract. NMS and GIS (NIS) may be licensed product for the Project Execution phase. However, the same has to be compulsorily developed on Open source for the O&M Phase. The PIA will have to completely migrate all data from licensed product to Open source platform. ERP can be Licensed or open source for the entire duration of contract. f. PIA needs to intimate the compute requirement to GFGNL before	When you ask for Licenced Product, Are you looking for Source code? If yes then Request you to change it from Open Source to Source code. Since Open source terms means the Source code is available to whole world. As far as this Project is concern for O & M, If you want to develop on Product Source code. the you should ask for Source code not the Open source.	As per Revised RFP
286			Software		we are requesting you to consider Manager of Manager NMS which can tightly integrates with OSS/BSS and Active and Passive EMS for FCAPS. This is standard practice across FTTH and IP MPLS Deployemnt.	Proposed solution by bidder must meet defined functional scope in RFP.
287	1.3 Bid Data Sheet		EMD/Tender Fees	Tender fee	We understand bidder's need to submit Single Demand Draft of Rs 25000 towards tender fee irrespective of number of packages quoted by them. Please confirm.	Please refer revised RFP
288	1.3 Bid Data Sheet		EMD/Tender Fees	EMD:INR 15,00,00,000/- (Rupees Fifteen Crores only) for each package.	"As we are submitting the EMD in the form of BG, our banker requires the following details from the Beneficiary bank 1) Name of Beneficiary: 2) Name of Bank : 3) Bank address : 4) Bank Account No : 5) IFSC CODE : 5) MICR CODE : 6) BRANCH CODE : As per the RBI guidelines we require the above details for issuing the Bank Guarantee. Request you to get the following details."	1) Name of Beneficiary: Gujarat Fiber Grid Network Ltd 2) Name of Bank : State Bank of India 3) Bank address : Udyog Bhavan, Sector-11, Gandhinagar 4) Bank Account No : 36242993620 5) IFSC CODE : SBIN0060228 5) MICR CODE : 380002128 6) BRANCH CODE : 60228

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
289	2.1		Bid Process	Bids (Technical bid & Financial bid) shall be submitted online on https://www.gfgnl.nprocure.com .	As Bidders need to submit entire technical bid online only which comprises on All eligiblity documents, Purchase orders,Completion certificates, compliances, Datasheets,Brochures etc, kindly confirm that there is no space limit in the e-procurement portal and we can submit all the docuements with ease. Also unlimited number of files should be allowed to upload in the portal so that we can prepare and submit a quality bid.	Multiple file is allowed to upload.
290	2.28		Bid Process	Evaluation of Eligibility Criteria The Sole Bidder or Lead Bidder in case of a consortium should have experience of Laying, Installation, Testing and Commissioning of Optical Fibre Cable (Underground or Aerial), Duct and accessories as mentioned below in last 3 years as on bid submission date: Package A: 5100 kms Package B: 4900 kms In case the sole bidder or a Lead bidder (in case of Consortium) desires to bid for both the packages then the bidder must have experience of 10000 kms, in Laying, Installation, Testing and Commissioning of Optical Fibre Cable (Underground or Aerial), Duct and accessories in last 3 years on bid submission date.	As An optical ground wire (OPGW) is a type of cable that is used in overhead power lines and OPGW cable combines the functions of grounding and communications, we undertsand Bidder's can propose their Optical Ground Wire (OPGW) installation and commissioning experience also for these criteria. Please confirm.	As per RFP
291	2.28		Bid Process	Evaluation of Eligibility Criteria The Sole Bidder or Lead Bidder in case of a consortium should have experience of Laying, Installation, Testing and Commissioning of Optical Fibre Cable (Underground or Aerial), Duct and accessories as mentioned below in last 3 years as on bid submission date: Package A: 5100 kms Package B: 4900 kms In case the sole bidder or a Lead bidder (in case of Consortium) desires to bid for both the packages then the bidder must have experience of 10000 kms, in Laying, Installation, Testing and Commissioning of Optical Fibre Cable (Underground or Aerial), Duct and accessories in last 3 years on bid submission date.	"We understand that the experience of the Lead bidder's associate company and/or JV Company can also be considered to meet this requirement. Please confirm.	RFP Clause remains unchanged.
292	2.28		Bid Process	Evaluation of Eligibility Criteria Sole Bidder or Lead Bidder (in case of consortium) should have an average annual turnover of at least following values in last three (3) audited financial years (2014-15, 2015-16 and 2016-17) : Rs 405.8 Crores for Package A Rs 389.9 Crores for Package B In case the sole bidder or a Lead bidder (in case of Consortium) desires to bid for both the packages then the bidder must have average annual turnover criteria equal to cumulative value of both the packages i.e. INR 795.8 crore for the last three audited financial years (2014-15, 2015-16 and 2016-17)	Considering the requirement of fund flow management to achieve GP wise project milestone and meet final delivery schedule, it is extremelly important that MSI should have strong financials with positive network. We request you to modify the clause as "Sole bidder or lead bidder of a consortium, in the last three (3) audited financial years (2014-15, 2015-16 and 2016-17), should have an average annual turnover of at least: Rs. 1000 crore for Package-A, Rs. 900 crore for Package-B. In case the sole bidder or a Lead bidder (in case of Consortium) desires to bid for both the packages then the bidder must have average annual turnover criteria equal to cumulative value of both the packages i.e. INR 1950 crore for the last three audited financial years (2014-15, 2015-16 and 2016-17)"	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
293	2.28		Bid Process	<p>Evaluation of Eligibility Criteria The Sole Bidder or Lead Bidder in case of a consortium should have experience of Laying, Installation, Testing and Commissioning of Optical Fibre Cable (Underground or Aerial), Duct and accessories as mentioned below in last 3 years as on bid submission date: Package A: 5100 kms Package B: 4900 kms In case the sole bidder or a Lead bidder (in case of Consortium) desires to bid for both the packages then the bidder must have experience of 10000 kms, in Laying, Installation, Testing and Commissioning of Optical Fibre Cable (Underground or Aerial), Duct and accessories in last 3 years on bid submission date.</p>	<p>Underground experience can be reduced to have more MSI participation in the bid. Considering >95% UG scope, the Sole Bidder or Lead Bidder should have experience of Laying, Installation, Testing and Commissioning of Optical Fibre Cable (Underground or Aerial), Duct and accessories as mentioned below in last 3 years as on bid submission date: Package A: 2500 kms Package B: 2500 kms In case the sole bidder or a Lead bidder (in case of Consortium) desires to bid for both the packages then the bidder must have experience of 5000 kms, in Laying, Installation, Testing and Commissioning of Optical Fibre Cable (Underground or Aerial), Duct and accessories in last 3 years on bid submission date. We request you to amend the clause in line with core RFP scope of Under Ground or Aerial scope.</p>	RFP Clause remains unchanged.
294	-		Bid Process	No mention of Fiber OEM manufacturing qualification in terms of production capability.	<p>The project has >70% OFC supply. OFC OEM will play vital role. BBNL RFP and all state-led model RFPs (Maharashtra, AP, Chhattisgarh and even BSNL RFPs) has defined OFC OEM criteria. As a MSI, we fail to understand the logic of eliminating OFC OEM qualification. The RFP allows single OEM per package for bidder. Considering dependency of such huge quantity, strong OEM criteria should be considered.</p>	RFP Clause remains unchanged.
295	3.27		Payment	Mobilization - 10% mobilization advance against submission of additional BG of 110% of mobilization advance.	We request you to amend the clause in line with other state led RFP models. We suggest 20% mobilization advance against submission of additional BG of 110%. Fund flow will be critical component for this massive scale project.	RFP Clause remains unchanged.
296	Addition		Payment	No mention of payment against material.	<p>As a MSI, we suggest 60% payment against material / supply of goods. Considering the need to mobilize the material, machines and manpower during initial phase of the project, the project fund flow is critical component for timely execution. GFGNL may please refer other state led RFP's payment terms.</p>	RFP Clause remains unchanged.
297	3.27		Payment	Payment shall be released by the Tenderer against the invoices raised by PIA within 30 calendar days on providing all the relevant documents timely and are complete in all reference.	More precise payment process flow should be defined with TAT and touch points details.	RFP Clause remains unchanged.
298	4.2		TPA	PIA will have to complete his roles and responsibilities as mentioned in this RFP with supervision from his own team. GFGNL will select one agency from the list of approved agencies (Govt has finalized a list of agencies approved for the work of TPA) as TPA (Third Party Auditor) who will carry out supervision of all field activities executed by PIA. PIA will have to extend all required support to TPA for audit of 100% Network.	Clause of 100% TPA certification should be relaxed with Sample check audit only. This will hamper overall project timeline and delay in payment realisation.	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
299	4.2		TPA	GFGNL will also select a separate agency who will be an FPA (Fourth Party Auditor). Scope of FPA will be to audit on random basis up to 10 % of Network. This scope items will be selected Selection of Project Implementing Agency (PIA) for BharatNet Phase-II in Gujarat Gujarat Fibre Grid Network Limited Page 99 of 332 randomly as described in detail in this section of RFP. FPA will check quality of fibre routes by excavating manual pits or by electronic method.	Introduction of FPA will add one more layer which will create delay in overall process. Request to relax FPA audit clause. GFGNL may please refer other state's RFP certification process. No state and BBNL has FPA certification process, this is an addition layer which will create delay in overall timeline.	RFP Clause remains unchanged.
300	Addition	General	General	Self certifications	Clarity on optical and civil quality certification sought.	As per RFP
301	5.1		General	Schedule of Requirements (SOR)	Request to share detailed BOQ.	It is an EPC contract.
302	Addition	General	General	Hindrance Register:	In order to record and address various hindrances faced by PIA , suggest to include a Hindrance clause to maintain Hindrance Register for each Block wherein various hindrances faced by PIA during execution of the Contract are registered. The hindrance mentioned in the register to be endorsed by purchaser by signing & making necessary remarks . . The noting made by Purchaser will form as basis for operation of many contractual clauses. The PIA shall ensure the entry of all unprecedented / unpredicted events in the Hindrance Register. The PIA or their authorized representatives shall also be at liberty to note their difficulties etc. in these books. The Hindrance Register shall invariably be consulted by Purchaser at the time of making final payments and while giving time extension to the PIA. This will help in addressing various day-to-days hindrances and enable timely resolutions which is necessary for timely execution of this project.	As per RFP
303	Construction of Jointing Chamber:- 4.8.1.11		Fiber	<u>Construction of Jointing Chamber:-</u> The joint chambers are provided at every joint to keep the O.F.C. joint well protected and also to keep extra length of cable, which may be, required to attend the faults at a later date. Jointing chambers are to be prepared at the Fibre Point of Interconnect (FPIO) or normally at distance of every 2 km.	Distance between 2 loop chambers are not clearly mentioned.. Guidelines required to place additional loop Chamber at Critical Crossings if required.	As per industry best practice, loop chamber to be installed at following locations (but not limited to) 1. Every Km 2. At both sides of road crossings, culvert and bridge crossings.
304	Construction of Jointing Chamber:- 4.8.1.11		Fiber	<u>Construction of Jointing Chamber:-</u> For fixing pre cast RCC chamber, first a pit of size 2 m x 2 m x 1.8 m depth shall be required to be dug. Pre cast RCC chamber shall consist of three parts (i) round base plate of 140 cm diameter and 5 cm thickness in two halves (ii) full round RCC joint chamber with diameter of 120 cm and height of 100 cm and thickness of 5 cm (iii) round top cover will be in two halves with diameter of 140 cm and thickness of 5 cm having one handle for each half in centre and word 'BBNL OFC' engraved on it. (See figure '4').	1) In Drawing (figure '4'), Chamber Height is showing 50cm but in measurements it is 100cm 2) As suggested in RFP, pit size for chamber installation is 2M*2M*1.8M Depth, which actually not required because of chamber size Mentioned in RFP is 1.4M Dia. 3) Diameter of Chamber cover is greater than Chamber Dia.. Need to recheck. Chamber Diameter is 120mm and Cover Diameter is 140mm 4) Bottom Plate is mentioned in 2 Parts.	As per BSNL/Industry practice, subject to meeting functionality, desirability and quality
305	Annexure C:- 4.9		General	<u>Annexure C:-</u> List of GPs is attached separately on online bidding portal along with this RFP. Bidders are requested to refer the same.	Only GP names are available in Annexure-C, Lat long of all GPs and OLT locations are required for NW Planning & Survey	Prospective bidders can sign an NDA with GFGNL and take the list of GPs and BSNL Exchanges with lat long details.
306	Construction of Jointing Chamber:- 4.8.1.11		Fiber	<u>Construction of Jointing Chamber:-</u> The route indicators are to be placed at every 200 mts. and at every place where the cable changes direction. The	No provision of route indicator at coupler location.	As per RFP

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
307	Construction of Jointing Chamber, Route Index Diagrams –Profile - 4.8.1.11		Fiber	Construction of Jointing Chamber, Route Index Diagrams –Profile:- Offset of cable from centre of the road at every 10 meters Depth profile of Cable at every 10 meter;	According to RFP, depth and offset require at each 10 meter, but as per telecom industry practice it is at interval of 20m..	RFP Clause remains unchanged.
308	Plan, Design, Implement and Commission Phase - 4.3.1.3		RoW	Plan, Design, Implement and Commission Phase:- The bidder is responsible for obtaining RoW permissions. The office of GFGNL will facilitate in coordination with respective Government agencies, however, the PIA shall have to prepare proposals in requisite format, submit it to relevant agencies for approval, and do necessary follow up.	1) Need clarity of RoW Owner. 2) Process for Remubersment process of BG, SD and any reccuring charges, if required.	1. As per RFP 2. 30 days on best effort basis.
309	Fibre Implementation - 4.3.1.3 - Sr. No. 10		General	Fibre Implementation:- In likely event of no availability of Telephone exchange at Subir taluka in Dang district / any other Taluka, the PIA shall set up air conditioned temporary container cabin for housing OLT/ FTB along with its associated power system. Concrete platform of suitable size (based on size of container) with minimum height of 1 mtr is to be onstructed with required steps.	Clarification required for Space and Electricity	Space & electricity will be provided by GFGNL.
310	Page No. 196 - 4.8.1.4		Fiber	The Optical Fibre Cable shall be laid through PLB HDPE Ducts buried at a nominal depth of 165cm. The steps involved in OF Cable laying are as under:- PLB HDPE Ducts, putting split PLB HDPE Ducts and split RCC pipes with proper fixtures over cable in the manhole to protect the bare cable.	Process/ Activity is not Clear	As per BSNL/Industry practice, subject to meeting functionality, desirability and quality
311	Laying OF PLB HDPE Ducts - 4.8.1.7		Fiber	Laying OF PLB HDPE Ducts:- The PLB HDPE Ducts shall be laid in RCC Full Round spun Pipes/GI Pipes as required at Road crossings.	RCC Full Round Pipes and GI pipes are not feasible for HDD execution.	As per BSNL/Industry practice, subject to meeting functionality, desirability and quality
312	(Rest of Gujarat) consists of - Package A		General	(Rest of Gujarat) consists of:- 1. Optical Fibre Cable (OFC-underground and aerial) Survey, Design & Plan, Supply, Installation, Testing, Commissioning, end to end integration, and Operations & Maintenance at 3824 Gram Panchayats (Annexure - C) as per the detailed scope of work specified in this tender document including: a. Planning of network	Scope (length) is not mentioned.	As per RFP

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
313	- 3.32.7		Penalty	<p>Penalty for cutting/damaging the existing cable/utilities :- _____ 1. During excavation of trench utmost care should be taken by the bidder, so that the existing underground cables/utilities are not damaged or cut. In-case any damage/ cut is done to the existing cables/utilities, a penalty of Rs. 50,000/- per cut will be levied and the same will be deducted from PIA's bills.</p> <p>2. Besides the above penalty, the bidder shall carry out such repairs for restoration of the damaged cable/utilities free of charge. The cost of jointing kit shall also be borne by the bidder. If bidder fails to repair the damage, the cost of repair (including cost of labour + Jointing kit) shall be recovered from the bidder.</p>	<p>1. In case existing underground cable/Utilities are damaged, Bidder will restore the same. Penalty clause is not practicable and may be removed. Please confirm</p> <p>2. There shall be no responsibility of executor if damage accrued by third party's mistake. Additional cost of such repair to be done at the cost of third party and such circular to be released by GoG.</p>	RFP Clause remains unchanged.
314	- 3.3.2.A		Penalty	<p>Underground Fibre Cable Laying:- The relaxation by the competent authority prescribed below shall be obtained giving reasons for not achieving standard depth;</p>	TAT for deviation approval need to be predefined..	As per RFP
315	- 4.8.1.3 GENERAL		General	General	Inbuilding process is not available	Query not understood
316	a. Underground Fibre Cable Laying - 2		Fiber	In rocky area (including Murrum & soil mixed with stone or soft rock) depth of burial shall be 1.2m at the minimum.	We understand depth of 1.2m is achieved in rocky area (including Murrum & soil mixed with stone or soft rock). Depth penalty will not be imposed in such case. Please confirm	As per RFP
317	B) and does not provide requisite protection, then the Bidder is liable to penalty as per below as per below criteria - 2		TPA	Appointed TPA will do on-field measurement by means of sample pits (2 pits per Kms.) Average depth will be calculated on per Km. basis and will be compared against the depth required for that respective soil type.	Considering time require to complete this activity, this clause may be removed. Please confirm	RFP Clause remains unchanged.
318	4.3.1.6 Go-Live for the network (Connectivity from Block to Gram Panchayat) - 4		RoW	PIA shall obtain necessary Right of Way (RoW) from State/Central agencies whichever applicable by completely following RoW application process of respective agencies. State/SIA shall facilitate the PIA in obtaining the same. The fees paid in obtaining RoW shall be reimbursed on actuals on giving necessary/relevant documents.	It is recommended that ROW may be applied in the name of GFGNL and DN also to be paid by GFGNL, however bidder will coordinate with authorities for application and permission from authorities. Please confirm	Please refer revised RFP
319	4.3.1.6 Go-Live for the network (Connectivity from Block to Gram Panchayat) - 4		RoW	PIA shall obtain necessary Right of Way (RoW) from State/Central agencies whichever applicable by completely following RoW application process of respective agencies. State/SIA shall facilitate the PIA in obtaining the same. The fees paid in obtaining RoW shall be reimbursed on actuals on giving necessary/relevant documents.	What will be process and frequency to claim ROW DN reimbursement and what will be timeline of getting reimbursement amount. Please clarify	Please refer revised RFP
320	4.3.1.7 Quality Assurance and Testing - 2		TPA	Quality testing of 100% Network components as per BoM will be carried out by TPA (Third Party Auditor) selected by State/SIA from the list of approved agencies of GoI/BBNL (as detailed in Clause – 4.2 : Implementation Approach) as per the guideline provided by State/SIA.	100% Quality testing of such huge scope by TPA is not feasible as it will increase touch points and Time, This clause may be removed. Please confirm	RFP Clause remains unchanged.
321	4.3.1.7 Quality Assurance and Testing - 3		TPA	Random quality testing of up to 10% Network components as per BoM will be carried out by FPA (Fourth Party Auditor) appointed by State/SIA (as detailed in Clause – 4.2 : Implementation Approach).	10% Quality testing of such huge scope by FPA is not feasible as it will increase touch points and Time, This clause may be removed. Please confirm	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
322	4.3.1.7 Quality Assurance and Testing - 4		TPA	All material will be inspected at factory site by TPA / FPA representative as directed by State/SIA/BBNL. Once the material is passed from TPA / FPA at factory and is delivered at site, random inspection of some samples of material will also be done at site by FPA / alternate agency appointed by State/SIA.	It is suggested that QA report by bidder to be considered as evidence of material inspection in order to reduce coordination touch points and time. Please confirm	RFP Clause remains unchanged.
323	a. Underground Fibre Cable Laying - 3.3.2.A		Fiber	a. Underground Fibre Cable Laying Normally depth of the trench should 1.65 m in normal & mix soil and 1.2m in hard soil. Deviations due to field conditions will be required to have necessary protections in case of less depth. The cases and solutions are as following;	Protection details not mentioned for Below-- Normal Soil:- 1) Depth between 1.65m to 1.2m 2) Depth between 0.9m to 0.6m 3) Depth Less than 0.6m Rocky area:- 1) Depth between 1.2m to 0.9m 2) Depth Less than 0.6m Please clarify	As per Revised RFP
324	GPON (Gigabit Passive Optical Network): - 4.3.1.2		Fiber	GPON (Gigabit Passive Optical Network): 2. 96F unarmoured Optical Fibre Cable (Ribbon) will be used as feeder cable from OLT / block location to road intersection location (where distribution cable from GP will meet feeder cable). 3. 48F unarmoured Optical Fibre Cable (Ribbon) will be planned as distribution cable from the Road intersection location to the village panchayat (GP).	Armoured cable is recommended considering Operations benefits.	RFP Clause remains unchanged.
325	Section 1 , 3e Pg.19		Software	Project Management Tool, Mobile Application (Project and O&M Phase) and Web Portal shall be Open Source only, for the entire duration of this contract. NMS and GIS (NIS) may be licensed product for the Project Execution phase. However, the same has to be compulsorily developed on Open source for the O&M Phase. The PIA will have to completely migrate all data from licensed product to Open source platform. ERP can be Licensed or open source for the entire duration of contract.	For clarification, some of the licensed product do not allow to transfer in Open source platform in such case can the licensed source be used as is basis	RFP Clause remains unchanged.
326	2.31 (2) pg 41		General	Change in scope means only addition of a new gram panchayat. Any variation in path for fibre lying or consequent change in route kilometre or change in GPON equipment set up will not be considered as change in scope – this being the EPC contract. Similarly changes in trenching / ducting / extra protection deliverables due to terrain; delays or route changes due to ROW challenges; or other reasons will not be considered as change in scope.	For any change in scope, the extension of time to complete such scope shall also be provided to PIA and LD imposition due to certain change in milestone shall also be extended accordingly.	RFP Clause remains unchanged.
327	Section 2 (2.7) pg. 26		Bid Process	Envelop of only L1 bidder of each package shall be opened and other bidder's envelopes shall be returned back to them in received sealed condition only after 180 days from the date of opening of financial bid.	Please confirm that the unsuccessful bidder will receive the sealed condition only after 180 days of opening of financial bid which was stated under 1.3 Section 1 under the heading, Date and time of opening of financial bid " to be communicated to bidder later "	RFP Clause remains unchanged.
328	Section 2 (2.12) pg 28		EMD/Tender Fees	The EMD of PIA shall be returned upon the execution of the Contract, pursuant to Clause 2.34 "Award of Contract" and furnishing the Bank Guarantee, pursuant to Clause 2.13. No interest shall be paid by the Tenderer on the EMD.	Please confirm that the EMD / Bid Security for successful Bidder will be returned within 7 days or immediately of L1 acceptance of Contract and furnishing the required Performance Security.	As per RFP

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
329	Section 2 (2.13) pg 29 Section 2 (2.34) (4) pg 41		PBG	The selected PIA has to submit two separate performance Bank Guarantees- one for the Project implementation phase valid till 100% Go-live of the project/package and the second one for the Operations and Maintenance Phase valid up to 180 days beyond the expiry of the contract.	Project Implementation Phase PBG 1. valid till Go Live date (definition states RFP successfully concluded to the satisfaction of USOF the word "satisfaction level" not defined in the RFP.) 2." Valid till Package" not defined in the RFP 3. In the subsequent para of 2.13 (a) states valid for 18 months whichever is later which contradicts to the statement in Section 2.34 (Award of Contract) (4) PBG shall be valid upto 180 days beyond the "expiry of Contract" 8 years (1 year for Implementation and Go- Live, and 7 years for Operations and Maintenance from the date of Go Live). 4. When the two PBG will be returned to PIA (no time frame defined)	The clause 2.13 (2) "Performance Bank Guarantee" and 2.34 (4) "Award of Contract" to be read as: The Bidder whose bids are accepted shall be required to submit two separate performance Bank Guarantees- one for the Project implementation phase and Maintenance Phase as below: a. 1st Bank Guarantee- Project Implementation Phase: The PIA, within 15 days from the date of receipt of Notification of Award, shall furnish a Bank Guarantee equal to 10% of the CAPEX, valid till 100% go-live of the project/package or 18 months whichever is later. The Performance Bank Guarantee would be released upon submission of PBG for O&M Phase. b. 2nd Bank Guarantee-O&M Phase: The PIA, within 15 days from the date of 100% Go Live, shall furnish a Bank Guarantee equal to 10% of the OPEX value of the project, valid up to 180 days beyond the expiry of contract.
330	Section 3.12 pg 54		General	Tenderer shall own and have Intellectual Property Rights of all the deliverables which have been developed by the PIA during the performance of Services and for the purposes of interalia use of such Services under this Contract. The PIA undertakes to disclose all Intellectual Property Rights arising out of or in connection with the performance of the Services to the Tenderer and execute all such agreements/documents and file all relevant applications, effect transfers and obtain all permits and approvals that may be necessary in this regard to effectively conserve the Intellectual Property Rights of the Tenderer.	All intellectual property rights of all deliverables which have been developed is only a grant to use such licenses cannot be transfer of ownership.	RFP Clause remains unchanged.
331	Section 3.14 Pg 55		General	Ownership of Equipment 1. The Tenderer shall own the services and items supplied by the PIA arising out of or in connection with this Contract only after the date of 100% Go- Live. In case of theft/physical damage (Repair not possible -RNP) to the Network components / equipment, the equipment shall be replaced on PIA's cost till full 100% Go-live and at Tenderer's cost after full 100% Go-live.	In the event of theft , PIA shall replace the network components /equipments but in case of physical damage (Repair not possible) or components or equipments not available for out of date PIA shall provide a substitute replacement.	RFP Clause remains unchanged.
332	Section 3.15 Pg. 55		General	The PIA shall indemnify and defend GFGNL and its representatives & employees and hold GFGNL, its representatives, employees harmless from: Any environmental damages caused by it and/or its representatives or employees or employees of any third party or sub-contractor or agency engaged by the PIA	Environmental damages to be explicitly defined	RFP Clause remains unchanged.
333	Section 3.15 Pg 56		General	The PIA may only disclose Confidential Information in the following circumstances: i. with the prior written consent of the Tenderer; ii. to a member of the PIA s' Team ("Authorized Person") if: a. the Authorized Person needs the Confidential Information for the performance of obligations under this contract; b. the Authorized Person is aware of the confidentiality of the Confidential Information and is obliged to use it only for the performance of obligations under this contract	to be added: c. the Court or legal proceedings directs PIA to exchange information	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
334	Section 3.18 Pg 57		Warranty	A comprehensive on-site warranty and Operations & Maintenance on all goods supplied under this contract shall be provided by the respective Original Equipment Manufacturer (OEM) through PIA till the end of the Contract	Warranty period is not defined end of contract date is 8 years from the date of Go Live Warranty should start when 50% of GPs in a block are commissioned and incremental every month there of.	As per RFP
335	Section 3.19 Pg 58 Section 3.32(g) Pg 78 Section 4.3.1 (3) Pg104		RoW	PIA should apply for ROW permissions during this period as per the Approved Route Plans	1.Responsibility is not define for ROW for approved Route , kindly clarify if delay in providing Approved Route Plan will exempted from delivery time. 2. Applying for ROW permission for for all districts and blocks and Gram panchayat within a span of 2 months may be extended instead of 1 month only in pg no 78 . PIA should be given an extension of time for the approval granted in all these districts , blocks and gram panchayat. 3. Request to clarify about giving waiver of right of way charges, administrative and all other kinds of fees, charges etc. for laying of optical fibre under BharatNet Phase-2 project in areas under the jurisdiction of Gujarat and State Bodies including Forest, Irrigation, Energy, Agriculture, Urban, R&B, PWD, Panchayat etc. Kindly also clarify ROW reimbursement and demand note approval process for central Govt agencies like NHAI, Railways etc.	Please refer revised RFP
336	Section 3.20 pg.61		Penalty	Penalties shall be capped as per Section 3.32, beyond which the Purchaser has the right to terminate the contract or a portion or part of the work thereof	Liquidated damages is capped for cumulative GPS for Package A and Package B with minimum 0.5% of the Capex value of pending GPs based on aggregate milestone for 60 weeks which varies as per the pending % till 60-75% with 4% maximum limit for 60 weeks . On 61st week minimum limit is 5% till maximum limit of ceiling capped @ 20% of total capex of respective Package. For more clarity, any delay not attributable to PIA will be to GFGNL scope and time extension with additional cost shall be granted to PIA in execution schedule at actuals	RFP Clause remains unchanged.
337	Section 3.32 pg 76 Table under Package A typo error T+ 8 till T+10		Penalty	T+8 -> Months Commissioning of 550 GPs -> Aggregate commissioning of 1950 GPs -> 0.5% T+9 -> Months Commissioning of 550 GPs -> Aggregate commissioning of 2500 GPs -> 0.5% T+10 -> Months Commissioning of 550 GPs -> Aggregate commissioning of 3050 GPs -> 0.5%	Typo error T+8 -> Months Commissioning of 450 GPs -> Aggregate commissioning of 1950 GPs -> 0.5% T+9 -> Months Commissioning of 450 GPs -> Aggregate commissioning of 2500 GPs -> 0.5% T+10 -> Months Commissioning of 450 GPs -> Aggregate commissioning of 3050 GPs -> 0.5%	RFP Clause remains unchanged.
338	section 3.32 pg 78 (e)		Penalty	Exclusion from penalty of late delivery milestone, shall not be accepted against reason such as rainy season or access rain or any similar situations, as such factors are already factored into stipulated project delivery timelines / milestones to be achieved.	Extension to be provided for such late delivery milestone due to rainy season or access rain.	RFP Clause remains unchanged.
339	section 3.32 (5)		Penalty	If successful bidder does not deploy the required specified quantity & quality manpower as per tender document/RFP or a person deployed is not reporting to the duty, there would be a penalty per person per day as defined below and will be deducted from the quarterly payment without any maximum penalty cap	No separate additional payment for manpower deployment under operational and maintenance	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
340	Section 3.33 (1) Arbitration		General	The arbitration shall be conducted in accordance with the provisions of the Arbitration & Conciliation Act, 1996 or any statutory modification of re-enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceedings. In case of dispute not getting resolved by the aforementioned three-member committee, the Chief Secretary of Government of Gujarat shall appoint an arbitrator. The arbitrator shall adjudicate on only such disputes as are referred to him by the appointing authority and give separate award against each dispute and claim referred to him and shall give reasons for the award. The fee payable to arbitrator shall be paid equally by both the parties.	1. No venue mentioned in the RFP 2. For any dispute of PIA,PIA has no appointing right for arbitration 3. PIA is obligated to continue to implement the project and provide services for the whole duration of the RFP under dispute of payment	As per RFP
341	3	Section 3.34 Insurance	Insurance	The Goods supplied under this Contract shall be fully insured by the PIA, against any loss or damage during transit, upto the time it is installed at the Tenderer's designated location. For the Operations and Maintenance phase, the insurance taken should cover risks such as fire, earthquake and cyclone (for wind speeds greater than 80 kmph).	1. Insurance cover for wind speed greater than 80Kmph cannot be measured from PIA 2.Since the Insurance scope is till Commissioning and the work is taken over by GFGNL, hence subsequently after commissioning, GFGNL will take the insurance for AMC period. 3. Penalties to be excluded in case insurance claimed	As per Revised RFP
342	Section 3.42(2)		General	Provided, also that if the contract is terminated under this clause, the Tenderer shall be at liberty to take over from the PIA at a price to be fixed by the Tenderer, which shall be final, all unused, undamaged and acceptable materials, bought out components and stores in course of manufacture which may be in possession of the PIA at the time of such termination or such portion thereof as the Tenderer may deem fit, except such materials, bought out components and stores as the PIA may with the concurrence of the Tenderer elect to retain.	In the event of termination of Contract by Customer due to Force Majure event, the takeover price of the unused, undamaged and acceptable materials, bought out components and stores in course of implementation which may be in possession of Contractor at the time of such termination or such portion shall be as per Contract Price breakup. The payments awaited by the Contractor / pending to be paid to Contractor will be released within 7 days of termination. The Bank Guarantees available with Customer will be returned promptly within 7 days of termination. Please confirm.	RFP Clause remains unchanged.
343	Section 3.27 Payment Schedule under table Pg.64		Payment	Payment Schedule for GP Installation--> 1. Mobilisation 10% of the Capex Cost upon 110% of BG. 2. 80% of Capex cost upon discovery of Eto E connectivity for individual cost. 3. 10%of Capex cost upon Number of live GPs/total number of GPs. A. Number of Live GPs of aforementioned part payment 70% will be paid on bill submission once GP is lit on B. Remaning 30% will be paid post TPA audit and deduction in rates. C. O&M payment after deduction from fourth party audit	Payment schedule is not clear Please confirm that BG of equivalent amount of advance is to be submitted. Further, the advance is not adjusted in the milestone payments of Supply and Services. Number of Live GPS not mentioned neither the month of the milestone mentioned.	Please refer revised RFP
344	Table 1.1 (14) (Page 14)		SLA	SLA Computation	As mentioned in RFP, Package B will also arrange resources in NOC, then SLA computation should also be part of Package-B rather than Package-A	SLA will be computed for both the packages separately by GFGNL.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
345	Table 3.1 & 3.2 (Page-59)		Timeline	GP Commissioning & NOC Readiness	Complete NOC with O&M Modules will be ready at T+12 while GP commissioning will start from T+3. How would Monitoring & SLA management will happen for Extended O&M Period till NOC is fully ready?	GFGNL will make a makeshift arrangement to monitor SLAs
346	Table 3.1 & 3.2 (Page-59)		SLA	GP Commissioning & NOC Readiness	Will SLA compliance be part of O&M during extended O&M? If yes, pls clarify mechanism of monitoring and SLA computation and management. We recommend that this should be SLA/ Penalty free period and on best effort basis.	Yes, GFGNL will make a makeshift arrangement to monitor SLAs as mentioned in the RFP
347	Clause-3.22 (1) (Page-62)		General	Downward Revision	Pls clarify under which circumstances downward price revision will be triggered?	RFP Clause remains unchanged.
348	Clause-3.22 (2) (Page-62)		General	Lower Prices	As scope, geography, SLA, Rewards & Penalty, Partner Ecosystem and working conditions will be different for each project, hence service prices can not be compared apple to apple amongst projects. Request to delete this clause from RFP.	RFP Clause remains unchanged.
349	Clause-3.24 (Page-63)		General	Suspension of Work	O&M is 24*7*365 work and teams are also deployed thereby accordingly. Request to clarify that this suspension of work clause is not applicable to O&M period.	RFP Clause remains unchanged.
350	Table 3.3 (5) (Page-66)		SLA	O&M Payments	1. Clarify- Who will be SPOC for SLA signoff on monthly basis? Will it be single person or multiple persons? We request to make it Single Person Responsibility.	RFP Clause remains unchanged.
351	Table 3.3 (5)(Page-66)		SLA	O&M Payments	2. Pls clarify TAT of Monthly SLA Signoff by respective SPOC of Purchaser.	RFP Clause remains unchanged.
352	Table 3.3 (5)(Page-66)		SLA	O&M Payments	3. Once three months SLA documents are signed off individually, there should not be any need of signing Quarterly SLA document, pls clarify. If yes, pls mention TAT of SLA document signoff.	RFP Clause remains unchanged.
353	Table 3.3 (5)(Page-66)		Payment	O&M Payments	4. In which office, bidder will submit O&M Invoice ?	RFP Clause remains unchanged.
354	Table 3.3 (5)(Page-66)		SLA	O&M Payments	5. Pls clarify Payment TAT (timeline from submission of invoice with purchaser validated quarterly SLA document at purchaser office)	To be released within 30 days of submission of valid invoices subject to the condition that invoice and all supporting documents are in order and work is performed as per the scope of the project and meeting SLA criteria. GFGNL shall be entitled to withhold the payment of a disputed invoice or part of it delivered by the PIA, when GFGNL disputes such invoice, or part of it, provided that such dispute is bonafide.
355	Table 3.9 (1)(Page-82)		SLA	O&M SLA & Penalty (Page-82)	1. As network is on Spur and is also having Aerial connectivity, targeting 99% uptime is not feasible and associated penalties are also high, we suggest this to be amended to- >=95%.....No Penalty 94.99-92%.....1% of Quarterly O&M Invoice Value 91.99...90%.....2% of Quarterly O&M Invoice Value Less than 90%...5 % of Quarterly O&M Invoice Value	RFP Clause remains unchanged.
356	Table 3.9 (2)(Page-82)		SLA	O&M SLA & Penalty (Page-82)	1. How will Uptime of Mobile Apps will be measured?	Uptime information to be provided by PIA.
357	Table 3.9 (2)(Page-82)		SLA	O&M SLA & Penalty (Page-82)	2. If phone of mobile app has gone faulty or discharged during field visits, how will such situation be handled?	It is bidder's responsibility.
358	Table 3.9 (2)(Page-82)		Penalty	O&M SLA & Penalty (Page-82)	4. Penalties mentioned in the NOC table (2), should be applicable reduced- >=99 %....No Penalty 99%-98%.....0.1% of Monthly O&M Charges 98-97%.....0.2% of Monthly O&M Charges <97%.....0.3% of Monthly O&M Charges	RFP Clause remains unchanged.
359	Clause 4 (Note. 5)(Page-83)		Penalty	Maximum Penalty Ceiling (Page-83)	Maximum Penalty shall be 6% of Quarterly O&M Invoice. This should be inclusive of manpower & SLA clauses.	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
360	Clause 4 (Note. 6)(Page-83)		SLA	Termination Clause (Page-83)	SLA below 90% for consecutive 3 months should be considered for start of discussion of termination clause.	As per RFP
361	Clause 4 (Note. 11)(Page-83)		General	Exclusions (Page-83)	Thefts & Vandalism should also be part of exclusions.	RFP Clause remains unchanged.
362	Clause 4 (Note. 11)(Page-83)		General	Exclusions (Page-83)	During such cases of thefts and vandalism, material for replacement to be provided by Purchaser.	As per RFP
363	Clause 5 (Penalty on Manpower)(Page-84)		Penalty	Manpower Requirement (Page-84)	It is recommended that bidder is already bound by SLAs & Penalty and hence mandatory manpower clause shall be removed. Subsequent to this, penalty on manpower non-availability becomes redundant.	RFP Clause remains unchanged.
364	Clause 5 (Penalty on Manpower)(Page-84)		Penalty	Manpower Requirement (Page-84)	Max. Penalty on account of manpower unavailability be limited to 2% of Quarterly O&M Invoice value, in case mandatory clause is not removed.	RFP Clause remains unchanged.
365	Clause 5 (Penalty on Manpower)(Page-84)		Manpower	Manpower Requirement (Page-84)	How will ground team' attendance be done and verified, in case manpower clause is not removed? Pls clarify.	GFGNL team will monitor the manpower SLAs
366	Clause 5 (Penalty on Manpower)(Page-84)		Manpower	Manpower Requirement (Page-84)	In some cases, is person falls ill or due to some exceptional family situation has to take leave on urgent basis, then replacement be allowed in 10 days time without any penalty.	RFP Clause remains unchanged.
367	3.46 Exclusions(Page-84)		Penalty	Exclusions (Page-84)	Period when access to GP & Taluka not allowed due to any reasons should also be excluded.	RFP Clause remains unchanged.
368	3.46 Exclusions(Page-84)		Penalty	Exclusions (Page-84)	Any theft of GP equipment or damage due to vandalism should also be excluded from SLA	RFP Clause remains unchanged.
369	3.46 Exclusions(Page-84)		Penalty	Exclusions (Page-84)	Equipment outage due to power issues should also be excluded from SLA calculations.	As per RFP
370	3.46 Exclusions(Page-84)		Penalty	Exclusions (Page-84)	If PIA has already informed Purchaser about possible Road work, Poles work or any infrastructure work to Purchaser and requested to give permission for alternative route. In such cases, from raising application till final completion of work, if any damage happens to network due to reason non attributable to PIA, such cases to be excluded from SLA calculations.	As per RFP
371	4.3 Scope of Work (12)(Page-102)		General	Support Requirements	Pls clarify what kind of support is to be extended for service provisioning agencies?	As per RFP
372	4.3.1 Operation Scope (10) Page-105)		O&M	GP Under O&M	Pls clarify when GPs will be put under Extended O&M i.e. when all GPs in a Block are lit, or some GPs in a block are lit? There could be situation when GPs in a block are pending due to field issues which are not attributable to PIA, what will happen in such cases? We suggest that Extended O&M shall be started when 25% GPs in a block are lit and month on month incremental prorata payments are made against those GPs which are entering extended O&M period.	RFP Clause remains unchanged.
373	4.3.1 Operation Scope (10) (Page-105)		O&M	SLA during Extended O&M	As NOC is not likely to be fully functional, it is suggested that SLA, Penalty & Mandatory manpower clauses shall not be applicable during this time. O&M during this stage should be on best effort basis.	As per RFP
374	4.3.1 Operation Scope (10) (Page-106)		O&M	SLA during Extended O&M	We also request that instead of 50%, purchaser should make prorata on 100% basis during Extended O&M period.	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
375	State NOC (Page-115)		NMS	Distribution of Responsibility in NOC between Package- A & Package- B	NOC will be setup by Package-A. Monitoring+ TT raising+ Fault Management+ Performance Reporting+ Password Management+ SLA computation will be done by respective package owners for their packages. Pls confirm. Package-A will take care of NOC elements upkeep + database management. Pls confirm.	As per RFP
376	4.3.1.6 (Page-120)		Payment	Go-Live for the network (Connectivity from Block to Gram Panchayat)	As block is measurement entity, rather than package level, block level Go-Live criteria should be followed and once block is made Go-Live, 100% payment of O&M for that block should commence. (100% here means that all GPs which can be commissioned in block excluding those GPs which are not possible due to reasons non attributable to PIA)	RFP Clause remains unchanged.
377	4.3.2 Operations Phase (page-121)		General	Spares Stocking	Although Purchaser spares will be used during thefts and vandalism however in some exceptional cases if PIA spares are used for restoring fault then Purchaser should purchase additional spares so that PIA is able to maintain requisite Spare Inventory. If any other fault happens in same area till Purchaser provides spares, then such faults should not be included in SLA computation.	PIA must ensure to comply with SLA requirements of the RFP
378	4.3.3 Maintenance Phase (page-123)		Payment	Go Live	Go-Live is recommended on Block basis and once Block is made Go Live, it should start getting payment as per 100% value. Further, if few GPs in a block are pending due to reasons non attributable to PIA, then Purchaser to declare that Block as fully completed after submission of necessary documents by PIA convincing reasons of pendency.	RFP Clause remains unchanged.
379	4.3.3.2 Periodical Maintenance (Page-124)		O&M	Monthly Visits	As PIA is bound by SLA & penalties, it is requested that mandatory visit clause be removed.	RFP Clause remains unchanged.
380	4.3.3.2 Periodical Maintenance (Page-124)		O&M	Monthly Visits	We understand that Purchaser will purchase batteries during 7 year period as batteries will die out twice considering 3 year battery life. Pls confirm.	Please refer revised RFP Clause 4.4.5.6 (25)
381	4.3.3.2 Periodical Maintenance (Page-124)		O&M	Monthly Visits	Batteries are generally stolen from GPs. Pls clarify what security mechanism Purchaser is considering during O&M phase to avoid such instances. In such theft cases, Purchaser will provide the batteries as mentioned in RFP that under theft cases, Purchaser will provide material.	As per RFP
382	4.3.3.2 Periodical Maintenance (Page-124)		O&M	Monthly Visits	If monthly visit clause removal is not possible, visit should be made quarterly as is general practice around telecom industry.	As per RFP
383	4.3.3.2 Periodical Maintenance (Page-124)		General	(2) Thefts & FIR	Pls clearly specify who will file the FIR. PIA should not have any role in filing FIR and it PIA should be removed from BSNL/ Gram Panchayat/ State/ Purchaser. Pls confirm.	Till 100% Go-Live, it's the PIA's responsibility. After 100% Go-Live, GFGNL will file FIR in case required.
384	4.3.3.2 Periodical Maintenance (Page-124)		O&M	(4) Restoration for more than 100 mtrs	100 meters is a huge distance to be repaired. Ideally this limit should be 50 meters, pls confirm. Same length clause used in S. No.7 in RFP.	As per RFP
385	4.3.3.2 Periodical Maintenance (Page-124)		General	(4) Restoration for more than 100 mtrs	Cost of services and workmanship should also be borne by Purchaser, similar to like material cost. It is to be noted that fault has occurred due to reasons non attributable to PIA.	As per RFP
386	4.3.3.2 Periodical Maintenance (Page-124)		General	(5) Restoration for Pole Damage Case	Cost of services, workmanship and jointing kits should also be borne by Purchaser, similar to like material cost. It is to be noted that fault has occurred due to reasons non attributable to PIA.	As per RFP

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
387	4.3.3.2 Periodical Maintenance (Page-124)		General	(9) Handover Clause	If some devices are down due to reasons non attributable to PIA i.e. Thefts wherein Purchaser is supposed to provide replacement units, then such cases should be taken over in as is condition.	As per RFP
388	4.3.3.2 Periodical Maintenance (Page-125)		General	(9) Handover Clause	If some stretch of fibre is down/ non repaired due to reasons non attributable to PIA (road widening, pole damage etc) wherein Purchaser is supposed to provide cost of material and services and it failed to provide the same, then same shall be taken over by Purchaser in as is condition.	As per RFP
389	4.3.3.2 Periodical Maintenance (Page-125)		General	(10) FRT Teams	Request not to limit PIA with manpower and FRT detail clauses as PIA is already bound by SLA & Penalty.	As per RFP
390	4.3.3.2 Periodical Maintenance (Page-125)		O&M	General	We understand that purchaser will directly do fuel filling in DGs at NOC, pls confirm.	No DG is required
391	4.3.3.2 Periodical Maintenance (Page-125)		O&M	General	We understand that Purchaser will directly handle EB payments at GP, Taluka & NOC levels. Pls confirm.	GFGNL will reimburse
392	4.3.3.3 Audit and Security Services (Page-126)		TPA	(1) Frequency of Audits	Pls specify the frequency of audits by 3rd party or any agency appointed by Purchaser	RFP Clause remains unchanged.
393	4.4 Network Operation Centre (page-127)		NOC	(1) Shifting of NOC	Will shifting of NOC happen during Implementation phase or O&M phase?	NOC shifting will happen anytime during the contract tenure.
394	4.4 Network Operation Centre (Page-127)		NMS	(3) Monitoring	Will NOC has modules to monitor Power Infra elements also? Secondly, will passive infra nodes have integration with EMS & consequently with NOC.	Power Infra elements will not be monitored by NOC. For passive Infra nodes, integration with EMS & NOC shall meet functional requirements defined as per RFP
395	4.6.2 Resource Requirement for Field Operations during O&M Phase (page- 172)		Manpower	Manpower Mandatory Clause	Request you to remove mandatory manpower clause and remove this part. PIA is already bound by SLA & Penalties.	RFP Clause remains unchanged.
396	4.6.2 Resource Requirement for Field Operations during O&M Phase(page- 172)		Manpower	Manpower Mandatory Clause (FRT)	This dimesioning is very high, one per Taluka. Request to make one FRT per two Taluka.	RFP Clause remains unchanged.
397	4.6.2 Resource Requirement for Field Operations during O&M Phase		Manpower	Manpower Mandatory Clause (OLT)	Technician in each OLT location will not have any work. OLT maintenance should be done by some shared resource, pls amend this clause.	RFP Clause remains unchanged.
398	4.6.3 Resource Requirement for NOC(page- 173)		Manpower	Manpower Mandatory Clause	Request you to remove mandatory manpower clause and remove this part. PIA is already bound by SLA & Penalties.	RFP Clause remains unchanged.
399	4.6.3 Resource Requirement for NOC(page- 173)		Manpower	Manpower Mandatory Clause- Deputy Director	During O&M Phase, One Deputy Director per package is sufficient, pls confirm.	RFP Clause remains unchanged.
400	4.6.3 Resource Requirement for NOC (page- 173)		Manpower	Manpower Mandatory Clause- Technical Manager cum Network Expert	IT Infra is to be provided by Package- A, then why do we need Teach manager for IT infra in Package-B?	RFP Clause remains unchanged.
401	4.6.3 Resource Requirement for NOC (page- 173)		Manpower	Manpower Mandatory Clause- Security Expert & Backup/ Storage Expert	These two profiles can be performed easily by single resource.	RFP Clause remains unchanged.
402	4.6.3 Resource Requirement for NOC (page-179)		Manpower	Dedicated nature of staff	This condition be removed. WE may put higher number of field staff to cover smaller geographical area for quick response however such resources may be shared with other projects in that area. This way, efficiency will be better. Pls remove dedicated clause.	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
403	4.6.3 Resource Requirement for NOC (page-180)		Manpower	Replacement of Staff	There should be rollover period of 10 days allowed when a person leaves location and replacement arrives in exceptional situations.	RFP Clause remains unchanged.
404	4.6.3 Resource Requirement for NOC (page-180)		Manpower	Training to HelpDesk Team	Pls specify how many times in a year, training is to be provided.	RFP Clause remains unchanged.
405	3.27/ Page 64		Payment	Payment Milestone	Only CAPEX cost has been mentioned . Clarification required on Services Cost during Project Phase.	RFP Clause remains unchanged.
406	4.3..1.7/Page 121		TPA	Quality Assurance and Testing	All material will be inspected at factory site by TPA / FPA representative as directed by State/SIA/BBNL. Clarification required on timeline for the same.	RFP Clause remains unchanged.
407	4.2.10/ Page 97		TPA	Implementation Approach	GFGNL will also select a separate agency who will be an FPA (Fourth Party Auditor). Scope of FPA will be to audit on random basis up to 10% of Network. . Clarification required between Audit Scope of TPA & FPA .	RFP Clause remains unchanged.
408	4.3.1.6/ Page 120		General	Go-Live for the network (Connectivity from Block to Gram Panchayat)	Go-LIVE definition to be clarified as there is mismatch in Go-LIVE definition in point 1 & 3 of Clause No 4.3.1.6	Please refer Clause 4.3.3 of RFP Document for clarification
409	4.7.1		Fiber	Technical Specifications as per TEC GR 1. Aerial OF Cable (ADSS Cable): 24 pair ADSS on power lines: As per TEC GR No. TEC/GR/TX/OFC-022/02/MAR-17 with latest amendments if any.	1. As per clause 4.7.1. TEC/GR/TX/OFC-022/02/MAR-17 is mentioned which is non-ribbon type ADSS OFC, while in BOQ for Package A & Package B as per page number 317 & 325 respectively ADSS OFC 24 core Ribbon is mentioned. So please confirm can we consider Non-Ribbon ADSS OFC as per mentioned TEC GR? 2. If yes, then please suggest what shall be cable type for this ADSS requirement, as TEC/GR/TX/OFC-022/02/MAR-17 has 6 variable for cable construction as per loading conditions. ?	1) To be read as "ADSS Optical fibre Cable 24 core". Word "Ribbon" removed in this clause. 2) As per revised RFP
410	4.7.1		Fiber	Technical Specifications as per TEC GR OFC: 96/48 Pair metal free ribbon type OFC: As taken from BSNL Tender No. : Tender Enquiry No.: CA/Ent.-CNP/OFC/T-553/2016 issued on 24-June-2016. Note: Draft GR GENERIC REQUIREMENTS NO. TEC/GR/OFC-23/01/XXX-2011 (under finalization in TEC, finalized GR and its latest amendment, thereof, will be considered). TECHNICAL SPECIFICATIONS (DTR)/REQUIREMENTS FOR 96F and 48F METAL FREE OPTICAL FIBRE CABLE WITH DOUBLE HDPE SHEATH (G.652D Fibre)"	1. Please confirm whether cable shall be Ribbn Type or Non Ribbon Type? 2. If Ribbon type then can we follow Tender Enquiry No.: CA/Ent.-CNP/OFC/T-553/2016 issued on 24-June-2016 which is for Nylon Duct as per TEC/GR/OFC-05/02 MAR 2006 ? or else please provide the detailed cable construction. 3. If Non-Ribbon then can we follow Double HDPE sheath OFC as Draft GR GENERIC REQUIREMENTS NO. TEC/GR/OFC-23/01/XXX-2011 (under finalization in TEC)? or else please provide the detailed cable construction.	Please refer revised RFP
411	Annexure B(1)		Fiber	GUIDELINE FOR INSTALLATION OF ADSS AERIAL OPTICAL FIBRE CABLE: Scope This document is intended to provide guidelines for selection of appropriate methodology for aerial installation of ADSS optical Fibre Cable on Existing Electrical Poles of 440/220/132/33/11 KV Lines and LT lines as per the route map and network design.	As per Annexure A aerial ADSS OFC shall be as per TEC/GR/TX/OFC-022/02/MAR-17 which is limited to 33/11 KV with spacing between OFC & power conductor more than 1.5 meter. So requesting to change the guidelines for installation up to 33 KV only.	Clause deleted for 440/220/132/KV Lines.
412	4.8.2		Fiber	AERIAL OPTICAL FIBER CABLE SPECIFICATIONS: Tensile force During installation : 9.81 x 1.3 x w Permanent with ice & wind load: 9.81 x 3 x w (Where w is the mass of 1 km length of cable, in kg)	Latest amendments of TEC/GR/TX/OFC-022/02/MAR-17 has 6 variable as per cable construction & loading conditions. Tensile strength as per the mentioned GR is 9.81 x 4 x w for designs without ICE Loading & 9.81 x 6 x w for designs with ICE Loading. But 9.81 x 1.3 x w or 9.81 x 3 x w is not part of of TEC/GR/TX/OFC-022/02/MAR-17. So please clarify the final specification.	Please refer latest relevant TEC GR

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
413	4.8.2		Fiber	AERIAL OPTICAL FIBER CABLE SPECIFICATIONS: 1. Maximum span length : 100 metres 2. Maximum ice loading : 1 Kg per meter 3. Operational wind velocity : 75Kms per hour	Latest amendments of TEC/GR/TX/OFC-022/02/MAR-17 has 6 variable as per cable construction & loading conditions. But 100m span, 1Kg/m Ice loading & 75 Kmph is not part of TEC/GR/TX/OFC-022/02/MAR-17. So please clarify the final specification.	AERIAL OPTICAL FIBER CABLE SPECIFICATIONS: 1. Maximum span length : 100 metres (as per GR) 2. Maximum ice loading : 0 Kg per meter (as per GR) 3. Operational wind velocity : 100 Kms per hour (as per GR)
414	Priced BoQ format for Package A		Fiber	Supply-Passive Infrastructure (Underground Cable) Supply - Passive Infrastructure (Aerial Cable)	Please provide the line item wise quantity.	As per RFP
415	Priced BoQ format for Package B		Fiber	Supply-Passive Infrastructure (Underground Cable) Supply - Passive Infrastructure (Aerial Cable)	Please provide the line item wise quantity.	As per RFP
416	3.18 (1)		Warranty	A comprehensive on-site warranty and Operations & Maintenance on all goods supplied under this contract shall be provided by the respective Original Equipment Manufacturer (OEM) through PIA till the end of the Contract.	Comprehensive warranty for 5 years is not a viable option in view of product roadmap, its end of sale date. Warranty can be given for 1/2 Year and rest of years of contract should be considered for AMC.	RFP Clause remains unchanged.
417	3.18 (2)		O&M	Technical Support shall be provided by the respective OEM for till the end of the contract period.	OEM will only provide L3 Support while bidder/SI would provide L1/L2 support. Request to change clause to "L3 Technical Support shall be provided by the respective OEM for till the end of the contract period."	As per RFP
418	3.27		Payment	Payment Schedule	For all COTS ERP, DMS and BPMS licenses we would request 100% payment against delivery of licenses	RFP Clause remains unchanged.
419	4.4		NOC	NOC will be located in a single premise from where detailed status of the network can be monitored and managed. GFGNL will provide a temporary place in Gandhinagar for NOC setup, however once final location is identified gradually NOC IT and NON-IT resources needs to be transferred at finalized location without adding any additional cost and creating any disruption in services of NOC.	Kindly clarify that permanent location and temporary location build will be done by the PIA or GFNL.	Please refer revised RFP
420	4.4.1		NOC	Area Layout	Number of Users in the NOC Room is not defined. Number of Active & Passive devices like number of Monitors, CPUs, Keyboard & Mouse and any other device which needs to be incorporated on the desk is not confirmed.	As per RFP
421	4.4.5 (2)		General	Server (Computing) and Storage for NMS will be provided by GFGNL on state data centre cloud.	We understand that GFGNL would provide Server & Storage. Please confirm whether PIA also have to supply Virtualization licenses along with OS and Database licenses.	Please refer 4.5.1 of the RFP Document
422	4.4.5.1 (1)		Video Wall	The Gap between 2 Display should be less than 3.0 mm	The Gap between 2 Display should be less than or equal to 1.0mm as 3.0 is old technology & picture image will get broken into various parts. Please amend clause for 1.0 mm	Revised Clause : " Full HD IPS LED Display, Direct LED Backlight, Display suitable for use in video wall with bezel to bezel distance not more than 2 mm"
423	4.4.5.1		Video Wall	Control RS-232/RS-422/IR	Request you to mention Control RS-232/RS-422/IR/IP	RFP Clause remains unchanged.
424	4.4.1 and 4.4.5.4		NOC	4.4.1-The NOC area is also accommodated with meeting rooms attached to it or situated next to the NOC area. Out of these, one will be big enough to accommodate group of 30-40 people. 4.4.5.4 - It is PIA of package A's responsibility to provide non IT infrastructure including but not limited to Tables and Chairs (15 nos) for Helpdesk support staff in Network Operations Center (Video Wall Room).	Kindly clarify the no of the persons accomdation in NOC room as in clause 4.4.1 it is mentioned for the 30 -40 people and in in clause 4.4.5.4 it is mentioned for 15 people.	4.4.1) Point 3) stands deleted
425	4.4.5.6		UPS	Online UPS 20 KVA-Specs given for Input Voltage Range 160-280VAC @100% Load,Single phase	In above 10 KVA UPS Input Voltage Range - 3 Phase input is standard rating as per IEB Term, please changed it to 3 Phase input.	Please refer revised RFP

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
426	4.4.5.6		UPS	In Certifications BIS is mentioned	BIS is not applicable for 20 KVA UPS, (BIS is applicable for 1 to 5 KVA Online UPS Only) . Kindly remove the same.	RFP Clause remains unchanged.
427	4.3 (9), 4.5.2 (a)		Software	Mobile Application for execution and O&M phase	We suggest to include number of API integration from external systems like Project Mgmt Tool, NMS, BSS, ERP. We suggest 20 API integrations initially as each API integration has significant effort estimate. This will also help in enhancing Mobile Application in future using per API integration cost.	Proposed solution by bidder must meet defined functional scope in RFP.
428	4.5.2 (a)		Software	The purpose of the app is to facilitate leadership team and O&M team with viewing of data from NMS and Project Management tool during O&M phase and act as an interface for handling O&M activities. The PIA will have to provide tablets / equivalent smart phones to field staff to operate mobile application during O&M phase.	Please mention the quantity and specs for the tablet / Smart phone	Proposed device by bidder must meet defined functional scope in RFP.
429	4.5.2 (a)		Software	The purpose of the app is to facilitate leadership team and O&M team with viewing of data from NMS and Project Management tool during O&M phase and act as an interface for handling O&M activities. The PIA will have to provide tablets / equivalent smart phones to field staff to operate mobile application during O&M phase.	Whether PIA would have to include the cost of SIM / Internet charges in bid.	Yes
430	4.5.2 (a)		Software	The purpose of the app is to facilitate leadership team and O&M team with viewing of data from NMS and Project Management tool during O&M phase and act as an interface for handling O&M activities. The PIA will have to provide tablets / equivalent smart phones to field staff to operate mobile application during O&M phase.	Please mention that for how many users Mobile Application is to be sized and licensed	As per RFP
431	4.5.3		Software	3. Web Portal....provisioning	How many users need to be provisioned.	As per RFP
432			NMS	NMS requirement....provisioning	Please specify for Concurrent user for NMS and maximum number of Network Elements to be considered	Please refer revised RFP
433	4.5.4 (1)		Software	The ERP solution should seamlessly integrate with other system like ePayment, etc. to enable complete view of necessary information	Please clarify what is E-Payment portal here. Is it existing portal of Gujarat govt.	To be read as "Integration with payment gateways / interface"
434	4.5.4 (2)		Software	The PIA should consider an indicative license count of 200. Excess licenses required during roll-out would be the responsibility of the PIA.	Each license of ERP has significant cost. Therefore bidder would only be contractually and commercial responsible for 200 licenses. For extra license requirement, SIA has to place add-on order. Please confirm.	Please refer revised RFP
435	4.5.4 (2)		Software	6.Help Desk...provisioning	How many help desk users need to be considered	As per RFP
436	4.5.4 (2)		Software	10.The Web ...ERP System	Need clarity in the process narrated. Because this may be effecting the user count for the ERP.	Query not understood
437	4.5.4		Software	2. Indicative...of the PIA.	What is the anticipated user growth in next 5 years which would need the access to ERP and need to be provisioned .	Please refer revised RFP
438	4.5.4.1		Software	HRMS and Payroll	Please clarify the number of employees which will be covered by the HRMS and Payroll functionalities. Please also provide the break up of employees and managers for enabling self service features	Please refer revised RFP
439	4.5.4.2		Software	Inventory management	Please elaborate the insurance details requirement.	As per RFP
440	4.5.4.3		Software	2. Business Process Management System	The BPMS functionalities narrated , need to be part of the DMS or there can be a separate solution proposed for the same?	Proposed solution by bidder must meet defined functional scope in RFP.
441	4.5.4.4		Software	Enquiry Log	Will there be a help desk for communicating / addressing the customer greivances	Please refer: 4.4.6.1.1 "NMS Functional Modules and Requirements"

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
442	4.5.4.5		Software	General Ledger	Please clarify whether the projects undertaken need to be represented in the ERP for their physical and financial progress ?	Proposed solution by bidder must meet defined functional scope in RFP.
443			Software	Costing	Please clarify the applicable and adopted costing principles and the cost audit rules applicable.	Proposed solution by bidder must meet defined functional scope in RFP.
444			Software	Budgeting	Please clarify whether the budget formulation exercise need to be addressed through the system.	Proposed solution by bidder must meet defined functional scope in RFP.
445			Software		Is it expected that the service tickets are raised for all type of enquiries and they need to be distributed to the respective users in the organization for resolution.	As per RFP
446			Penalty	Manpower penalties during the Operations Phase	Manpower penalty is very stringent. Suggest to keep penalty for field staff on monthly or Quarterly level with view of 24 working days in a month and National Holiday consideration.	RFP Clause remains unchanged.
447	4.4.5		NOC	Server (Computing) and Storage for NMS will be provided by GFGNL on state data centre cloud.	Do PIA needs to consider VM Licenses for Server	As per RFP
448	4.3		NOC	Integration with State NOC at Gandhinagar and Central NOC at Bangalore. Integration with Bangalore NOC will be through Gandhinagar NOC and therefore, will be in responsibility of the PIA of Rest of Gujarat.	How BBNL will be connected to Gandhinagar state NOC means on internet or via some lease line	Connectivity from Gandhinagar NOC to BBNL NOC will be provided by GFGNL
449	4.4.6.1.1		Software	Trouble Tickets generation and life cycle management for Network and Service problems	We assume we have to supply ITIL V3 compliant system for IT service management and no separate specifications for trouble ticketing system	Proposed solution by bidder must meet defined functional scope in RFP.
450	3.19		Software	Bulk Mail solution deployment.	Do PIA needs to provide Bulk E-Mail and SMS gateway for the solution	SMS gateway will be provided by GFGNL. For email services required server will be provided by GFGNL. However, Email service application, Gateway and Domain name to be provided by PIA.
451	NA		Network Design	Connectivity to GFGNL's State NOC at Gandhinagar, Gujarat along the specified route.	Do bidder needs to provide fiber connectivity from GFGNL provided DC to the new build NOC	Please refer revised RFP.
452	4.4.5		Network Design	Data /Communication Network Services: To be provided by GFGNL, for internet, NOC.	We assume that all internet services will be provided by GFGNL, please confirm	As per RFP
453	Annexure 5.1		UPS	Supply - Active Infrastructure, 5- UPS at GPs	Kindly clarify that UPS or SMPS needs to be provided and what will be the battery back up time.	Please refer revised RFP
454	Annexure 5.1		UPS	Supply - Active Infrastructure, 6- UPS at Block	What will be the power back up of UPS at Block level, Kindly provide	Please refer revised RFP
455	4.4.5		NOC	HVAC - HVAC (Precision ACs for Server room) Equipment, Insulated Chilled Water Piping Work, Air Distribution System, Insulation Work	In the RFP, Only PAC is mentioned for the server room , Kindly clarify for the other area HVAC (CAC) will be provided by the GFNL or PIA. If provided by the PIA kindly provide the quantity /rating /redundancy level.	Precision AC is not required
456	4.4.5		NOC	Back up Power -DG system	In the RFP, DG system requirements are not mentioned kindly clarify that DG system is needs to be provided by the PIA or GFNL	No DG is required
457	4.4.5		NOC	5. MFD Printers - Laser Printer, Inkjet etc.	Kindly provide the quantities of the printers in the NOC	Stands deleted.
458	4.4.5		Rack	Racks - 18 U, 42 U, etc.	Kindly provide the requirements (quantities) of the rack as IT Infrastructure to be hosted in the State DC. Also clarify that is server room is required in NOC or not.	42 U Racks are required only at NOC and OLT Locations. PIA need not provision racks in State DC. Please refer revised RFP
459	4.4.5		NOC	Server Room-power and cooling requirements to be provided by the GFNL	We are assuming that server and storage requirements to be provided by the GFNL at Data Centre and Server room is also mentioned in the NOC. Kindly clarify that , Is Server room required in the NOC. If required kindly provide the rack requirement, Power and cooling requirements for the same.	As per RFP

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
460	4.5.1 General Instructions		Software	Project Management Tool, Mobile Application (Project and O&M Phase) and Web Portal shall be Open Source only, for the entire duration of this contract. NMS and GIS (NIS) may be licensed product for the Project Execution phase. However, the same has to be compulsorily developed on Open source for the O&M Phase. The PIA will have to completely migrate all data from licensed product to Open source platform. ERP can be Licensed or open source for the entire duration of contract.	To enable industry standards deliverables and allow maximum participation we request tendering authority to relax Open Source Software requirement. We request Tendering Authority also allow Licensed Software as an option same as ERP.	RFP Clause remains unchanged.
461	Stipulated Time Schedule 3.19 3.32		Software	Delivery Timeline & Milestones for NOC and all Software 3. Non-adherence to the aforementioned timelines/milestones shall attract penalty as detailed in Section 3.32 of this Tender.	For ERP, tender has allowed Licensed or open source. We request to allow Licensed or open source for all other software as well like GIS, Project Management, NMS, Web Portal, Mobile Application, Trouble Ticketing. is required to be Open source. PIA must not be subjected to penalty for Open Source software. We request to exempt all Open Source Software from all liability and penalty clauses for which currently PIA is made responsible.	RFP Clause remains unchanged.
462	3.19		Software	Delivery Timeline & Milestones for NOC and all Software	All Opensource or licensed product require at least 3 months of implementation and customization time. Request to modify T = Time when Hardware infrastructure is made available to PIA for installation of application T+3 = a. NMS Software, GIS (NIS), ERP with HR Module and Project Management to be deployed and customized as per the RFP requirements. b. The PIA must also ensure availability of RoW Manager capability on the website/Webportal and integration with GIS layer. All subsequent milestone should be extended accordingly.	RFP Clause remains unchanged.
463	4.5		Software	ERP (including HRMS & Payroll, Inventory Management, Document Management System, Customer Relationship Management and finance and Accounts)	Tender mention about CRM on page 167 & 69, however its specification is added in tender as part of ERP. Kindly note that CRM is part of B2B BSS system (not part of ERP). We assume that B2B CRM has to be quoted. Please confirm. On table 1.2 page number 16 Tender asks for Billing software however detailed requirement for Billing can not be found in the tender. Bharatnet projects have a specific requirement for billing B2B customers. B2B billing happens on below basis - SLA Based Billing - Nth Percentile Billing - Bandwidth Billing Tender does not clarify whether B2B customers have to be billed and if yes what are the detailed requirement specifications for the same. Such billing happens from B2B Billing Systems which integrates with ERP. Please add specification for B2B CRM and Billing and also add in SOR.	Proposed solution by bidder must meet defined functional scope in RFP.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
464	5.5		Bid Process	The Sole Bidder/lead Bidder should submit valid letter from each of the OEM (one and only one OEM for each component) - confirming the following: OEM shall ensure that all equipment/components/sub-components being supplied by them shall be supported for entire contract period. If the same is de-supported by the OEM for any reason whatsoever, The bidder shall replace it with an equivalent or better substitute that is acceptable to Tenderer without any additional cost to the Tenderer and without impacting the performance of the solution in any manner whatsoever.	It is not possible to get MAF for Open Source Software and it is offered from Opensource community (not from any OEM). Please exempt submission of MAF document for all such Open Source Softwares from OEM NAME and MAF requirement.	RFP Clause remains unchanged.
465	4.4.5		NOC	4. PIA must ensure to comply and provide components meeting mentioned minimum specific criteria and to provide any other required components required but not listed here with, for smooth and enable a full functional NOC.	Please clarify here what is meaning of Minimum specific criteria. What is the scope of supply this clause is referring to.	As per RFP
466	4.4.5.7 Desktop specs		NOC	Monitor: 17 Inches or Higher, Wide LED Screen , Resolution- 1920x1080, Aspect Ratio-16:9	in current generation all desktops OEMs have 18.5" with 1366X768 resolution. The said resolution of 1920X1080 can only be achieved in 21" or above which is very higher in cost as compared to 18 or 18.5". <u>Hence we request to amend the clause as: 18.5 Inches or Higher, Wide LED Screen , Resolution- 1366X768 , Aspect Ratio-16:9</u> <u>Also the monitor and desktop shall be of same make else the user/bidder will have warranty / support issues if they go with different makes of monitor and desktop.</u>	Revised Clause - "Monitor: 21 Inches or Higher, Wide LED Screen , Resolution- 1920x1080, Aspect Ratio-16:9"
467	4.4.5.7 Desktop specs		NOC	Processor: Latest Intel Core i5 with 2.8 GHz with 6MB L3 cache or higher	We request to please consider equivalent AMD A10 processor.	Revised Clause- "Processor: Latest Intel Core i5 with 2.8 GHz with 6MB L3 cache or equivalent or higher"
468	4.4.5.7 Desktop specs		NOC	System Memory: Minimum 4 GB DDR3 or higher expandable up to 16 GB or more	Since technology as improved hence current generation desktops shall have 32GB expandability considering future needs also.	RFP Clause remains unchanged.
469	4.4.5.7 Desktop specs		NOC	Warranty support: Minimum from 7 years from the date of Commissioning	No OEMs offer warranty more than 5 years. However support is available in the form of AMC for 6th and 7th year. <u>We request to amend the clause as: 5 years OEM warranty and bidder can avail additional 2 years AMC for 6t and 7th year.</u>	RFP Clause remains unchanged.
470	3.19 Stipulated Time Schedule		Timeline	Supply, Installation, Testing and Commissioning of NOC Connectivity including but not limited to: Point to Point Leased Line, Internet Leased Lines, PRI for Voice, and SMS Gateway.	Please confirm whether Bidder has to supply IP contact Center (with PRI option) for providing Call queue and handling of calls by multiple NOC resources. If yes, please provide specification & sizing for Contact Center.	No
471	Payment Schedule - Mobilisation (Page 64)		Payment	Documentary Evidence - Against submission of additional BG of 110% of mobilization advance	Documentary Evidence - Against submission of BG of 10% of Capex Cost	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
472	3.32 Penalty		Penalty	During excavation of trench utmost care should be taken by the bidder, so that the existing underground cables/utilities are not damaged or cut. In-case any damage/ cut is done to the existing cables/utilities, a penalty of Rs. 50,000/- per cut will be levied and the same will be deducted from PIA's bills.	Additional Clause required: The bidder shall carry out utility coordination with the existing operator/ utility service provider. The onus of showing the correct path of their existing utility/ cable lies with the Operator and Utility Service Provider. In case the damage happens in the area which is not marked by Operator/ Utility Service Provider, the bidder shall not be responsible for the damages. The following two clauses for damage recovery shall be applicable only if the bidder damages the Utility/ Cable even after the correct marking done	RFP Clause remains unchanged.
473	3.3	Sub Contract	General	2. There shall be only one level of sub-contracting i.e. the sub-contractor, appointed by the PIA shall directly execute the work without further subcontracting the work.	Restriction on levels of sub-contracting is to be removed	Clause 3.3 (3) Removed Annexure 5.17 Removed
474	3.3	Sub Contract	General	3. The bidders shall submit a list of all subcontractors to be deployed by him as per Annexure 5.17.	List cannot be provided in the bid. This can be provided during execution	Clause 3.3 (3) Removed Annexure 5.17 Removed
475	5.11	Annexure 5.11- Financial Bid	Bid Process	The present bid is in Lumpsum form	It is recommended to have unit rate contract to have optimal cost.	RFP Clause remains unchanged.
476	1.2		Site Survey	BoQ of project	Clause states that "The Bidders of both the packages are expected to conduct a comprehensive site survey before bidding to arrive at the actual route lengths, BoQ and other components efficiently and effectively". Query - Tenderer will not provide actual route lengths, BoQ and other components and it need to be determined by Bidder themselves. As per Financial Bid format also, Bidder has to provide a consolidated Price for entire network commissioning. Tenderer should provide all the details like actual route length, BoQ and other components.	RFP Clause remains unchanged.
477	1.3		EMD/Tender Fees	Bid Data Sheet	Query - Whether tender fees of Rs. 25,000/- is for one package or for both package	Please refer revised RFP
478	2.7		EMD/Tender Fees	Bid Security	Bidders are required to upload the Scanned copy of Bank Guarantee (Annexure 5.18) and Demand draft for EMD. Query - If EMD is to be paid in the form of BG, then for what purpose we have to give DD.	BG is for the EMD, while DD is for Tender Fees
479	2.12.5		EMD/Tender Fees	EMD	EMD of PIA should be returned back after award of work to PIA.	RFP Clause remains unchanged.
480	3.21.2		O&M	Term and Extension of Contract	Extension of O&M period should be with mutual consent of Tenderer and PIA	As per RFP
481	3.21.3		O&M	Term and Extension of Contract	O&M terms and conditions for extended period should be decided mutually by Tenderer and PIA	As per RFP
482	3.21.4		O&M	Term and Extension of Contract	If Tenderer decide not to extend O&M contract then PIA need to maintain network for maximum 3 months after expiry of contract.	As per RFP
483	3.22.1		General	Prices	Prices quoted by PIA should be firm and cannot be revised upward or downward	RFP Clause remains unchanged.
484	3.22.2		General	Prices	Lower prices will be applicable only in case of delivery extension period.	RFP Clause remains unchanged.
485	3.27		Payment	Payment Schedule	Mobilisation advance should be given against BG of 100% of mobilisation advance	RFP Clause remains unchanged.
486	3.27		Payment	Payment Schedule	There is no payment milestone on material delivery. Query - There should be payment milestone of 60% on material delivery	RFP Clause remains unchanged.
487	3.27		Payment	Payment Schedule	It should be changed in line with Maharashtra Bid. There is no payment milestone at the time of delievery of material.	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
488	3.27		Payment	Payment Schedule	Workflow for processing of our invoices and payments not defined. Query - What will be the process of processing of our invoices and payments. Complete workflow at the end of Tenderer required.	RFP Clause remains unchanged.
489	3.30.2		General	Termination	PIA should also have option of termination of contract on its own by giving Tendered a prior and written notice at least 6 months in advance	RFP Clause remains unchanged.
490	3.32		Penalty	Penalties	All penalties should be capped upto 12% of Total CAPEX of respective package	RFP Clause remains unchanged.
491	5		Manpower	Penalties for not keeping manpower	RFP defines penalty for non availability of manpower in O&M phase. Query - RFP already specifies SLA penalty for O&M . There should not be any separate penalty for manpower.	RFP Clause remains unchanged.
492	5		Manpower	Penalties for not keeping manpower	Clause specify that PIA shall ensure that alternative arrangements are made and leave for a staff is pre-sanctioned by Tenderer. If not, penalties shall apply. Query - There should not be any requirement of approval for leaves of staff from Tenderer.	RFP Clause remains unchanged.
493	4.2.9		TPA	GFGNL	GFGNL will appoint a TPA (Third Party Auditor) who will carry out supervision of all field activities executed by PIA. PIA will have to extend all required support to TPA for audit of 100% Network. GFGNL will also select a separate agency who will be an FPA (Fourth Party Auditor). Scope of FPA will be to audit on random basis up to 10% of Network. Query - There should not be additional Fourth Party Auditor (FPA)	RFP Clause remains unchanged.
494	4.3.1.6		RoW	RoW permissions	RoW charges should be paid by Tenderer	Please refer revised RFP
495	4.3.2.4		O&M	Operations Phase	PIA will not be responsible for complying with DoT legal requirements	As per RFP
496	5.11		Financial Bid	Financial Bid	Financial Bid Table specify that we have to mention Taxes and Duties in Financial bid. Query - Whether Taxes and Duries (As applicable) need to be mentioned as % or value	Taxes to be mentioned in value
497	5.11		Financial Bid	Financial Bid	Clause states that "The O&M value quoted should be minimum 35% of sub total cost of the respective Capex table". Query - Minimum 35% O&M value will be considered before or after calculating NPV of O&M value.	To be calculated before NPV
498	Clause - 2.28 (1)		Bid Process	The Sole Bidder and each of the Consortium members should be entity registered under Companies Act, 1956/2013 or as amended and should have been operating for at least last 3 years in India as on bid submission date.	With the Government of India's push to Encourage FDI in various infrastructure sectors, International Giants in fiber infrastructure construction area are looking to participate in this tender using their international expertise, Financial credentials and state of the art Technology and OSP practices. We request you to amend this clause to allow such companies to participate in a consortium with an Indian firm.	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
499	Clause - 2.28 (1)		Bid Process	Turnover considered would be a consolidated turnover of the company i.e. A parent company can use the turnover of its child company (100% subsidiary of parent) but a child company cannot use parent company's turnover.	A subsidiary company will use same processes, Domain expertise and financial credentials for executing such projects. Hence a fully owned subsidiary should be allowed to use the parent companies turnover and experience in similar and relevant projects. We request you to amend the following clause Turnover considered would be a consolidated turnover of the company i.e. a parent company can use the turnover of its child company (100% subsidiary of parent) or child company can use parent company's turnover from Similar Fiber OSP Projects.	RFP Clause remains unchanged.
500	Section IV: Scope of Work	4.3.1	Bid Process	Detailed Site Survey (before bidding, GIS data related to GP locations and desktop based site survey, done by the tenderer, can be shared with perspective bidder upon signing of NDA with the tenderer.) and mapping of GIS data, route planning and optimization.	1. All bidders like BSNL, JIAR, Khandu, Mahanagar, APSFL, OPTCL have provided bill of quantities according to their requirement consisting of specific details such as : Supply PLB HDPE Telecom Duct Optical Fibre Cable (Aerial and underground) Fibre Distribution Management System Spare cable box at OLT RCC Route Indicators / Joint Indicators Full DWC Pipe of OFC Route GI Pipe Splitters Patch cord Services Installation, testing commissioning of aerial and underground cabling and its accessories Construction of Joint Chambers NOC Equipments such as: OLT Chassis & allied Accessory GPON Ports Redundant Line Cards Control/ switch/ Uplink with specifications DCDB along with Power cable and earthing cables at each OLT site. Element Management System (EMS) Main & DR EMS Server ONT Solar power panel	RFP Clause remains unchanged.
501	Section 1 ITB	1.2	Software	GIS layered Network Information System (GIS NIS) that is network management, fibre management, inventory and asset mapping, GIS layer MIS	1. GIS based Network Information System shall be BoQ line item for better understanding . 2. Who will provide GIS base Map and what should be the formats. 3. Does Storage of GIS Map shall be considered in this RFP scope 4. How many concurrent user shall use GIS based NIS - required to know for hardware sizing and software licensing . 5. Please define broad scope of Integration with Package B and BBNL central NOC.	1) As per RFP 2) The bidder can choose to purchase the base map from the open market or sign an NDA with GoG and collect the existing base map. At the end of the project phase, the PIA is expected to provide a highly accurate GIS map. 3) GFGNL will provide the storage device. However, the bidder is expected to provide Database licenses for the same. 4) Please refer revised RFP 5) As per RFP
502	Section 1 ITB	1.2	NOC	Integration of State NOC with Central (BBNL) NOC	Please define broad scope of Integration with BBNL central NOC from functional perspective and type of applications to be integrated .	State NOC NMS to Central NOC NMS integration.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
503	Section 1 ITB	1.2	Software	Project Management Tool, Mobile Application (Project and O&M Phase) and Web Portal shall be Open Source only, for the entire duration of this contract. NMS and GIS (NIS) may be licensed product for the Project Execution phase. However, the same has to be compulsorily developed on Open source for the O&M Phase. The PIA will have to completely migrate all data from licensed product to Open source platform. ERP can be Licensed or open source for the entire duration of contract.	Like ERP , NMS and GIS (NIS) may be considered as Licensed or Open Source for entire duration of contract. Number of software licenses to be mentioned .	Proposed solution by bidder must meet defined functional scope in RFP.
504	Section II: General Instruction to Bidders	2.1	EMD/Tender Fees	Bidders are required to upload the Scanned copy of Bank Guarantee and Demand draft for EMD and Tender Fee respectively (as mentioned in this RFP) at online bidding portal. Further, original Bank Guarantee and Demand Draft for EMD and Tender Fee respectively, must be submitted in a sealed envelope mentioning "EMD and Tender fee" before due Date and Time for Submission of Bids as mentioned in Section I - "Invitation to Bids".	Kindly confirm only EMD and tender fees has to be submitted offline. Also request you to keep offline submission after 2 days of bid submission.	Bidders are required to upload the Scanned copy of Bank Guarantee (Annexure 5.18) and Demand draft for EMD and Tender Fee respectively (as mentioned in this RFP) at online bidding portal. Further original, Bank Guarantee and Demand Draft for EMD and Tender Fee respectively, must be submitted in a sealed envelope mentioning "EMD and Tender fee" before due Date and Time for Submission of Bids
505	Section II: General Instruction to Bidders	2.12	EMD/Tender Fees	The EMD must be submitted in the form of unconditional Bank Guarantee valid for period of 6 months from the date of bid submission, of any Scheduled Bank drawn in favor of "Gujarat Fibre Grid Network Limited", payable at Ahmedabad/Gandhinagar	Kindly make EMD validity as 180 days instead of 6 months for clarity.	RFP Clause remains unchanged.
506	Section II: General Instruction to Bidders	2.28	Bid Process	The Sole Bidder/lead Bidder should submit valid letter from each of the OEM (one and only one OEM for each component) - confirming the following: OEM shall ensure that all equipment/components/sub- components being supplied by them shall be supported for entire contract period. If the same is de-supported by the OEM for any reason whatsoever, The bidder shall replace it with an equivalent or better substitute that is acceptable to Tenderer without any additional cost to the Tenderer and without impacting the performance of the solution in any manner whatsoever.	Since as System Integrator, We are responsible to meet the technical specification and SLA levels for the entire technical Solution, we request you not to insist for single make /model in the contract. Alternatively, you may kindly approve at least three makes and models for each of the equipment to be provided for this project. This will help the SI to offer a very competitive price to the customer by taking aggressive risks on their costs, which will totally benefit the customer. If only one make is insisted the vendor does not support the Si in times and therefore the cost go up considerably. For your Kind information, in almost all of the government contracts there is a list of Compendium of Suppliers approved for each of the item required for the Project. This list is made part of the contract. During execution of the contract, the SI/Contractor shall have to supply materials of makes/OEMs who are mentioned in that list only. This is followed in MPMKVVCL/GoMPRD/ PGCIL/ NTPC/ NPCIL/ DoIT-GoMP/ MPTD/ BSNL, Jharkhand, Mahanet, APSFL, OPTCL. None of the government project were vigilance/RTI is applicable have single make to be provided during bid submission. Hence we request you to kindly accept the same.	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
507	Section II: General Instruction to Bidders	2.13	PBG	<p>a. 1st Bank Guarantee- Project Implementation Phase: The PIA, within 15 days from the date of receipt of Notification of Award, shall furnish a Bank Guarantee equal to 10% of the CAPEX, valid till 100% go-live of the project/package or 18 months whichever is later. The Performance Bank Guarantee would be released upon submission of PBG for O&M Phase.</p> <p>b. 2nd Bank Guarantee-O&M Phase: The PIA, within 15 days from the date of 100% Go Live, shall furnish a Bank Guarantee equal to 10% of the OPEX value of the project, valid up to 180 days beyond the expiry of contract.</p>	<p>1st Bank Guarantee- Project Implementation Phase: The PIA, within 15 days from the date of receipt of Notification of Award, shall furnish a Bank Guarantee equal to 10% of the CAPEX, valid till 100% go-live of the project/package or 14 months whichever is later</p> <p>2nd Bank Guarantee-O&M Phase: The PIA, within 15 days from the date of 100% Go Live, shall furnish a Bank Guarantee equal to 10% of the OPEX value of the project, valid up to 90 days beyond the expiry of contract.</p>	RFP Clause remains unchanged.
508	ITB	2.28	Bid Process	12. Lead Bidder shall be solely responsible for any failure liable to the Government for the execution of the project in accordance with the terms & conditions of the bid document and a statement of this effect shall be included in the MoU/ Consortium Agreement.	Kindly clarify the responsibility of the Lead Bidder for the acts of the other Consortium Members? We propose to amend as "All consortium members shall be jointly and severally liable towards the Employer"	RFP Clause remains unchanged.
509	Section II: General Instruction to Bidders	2.28	Bid Process	The Sole Bidder or Lead Bidder in case of a consortium should have experience of Laying, Installation, Testing and Commissioning of Optical Fibre Cable (Underground or Aerial), Duct and accessories as mentioned below in last 3 years as on bid submission date: Package A: 5100 kms Package B: 4900 kms	Request you to kindly change the required length to : Package A: 4200 kms Package B: 4000 kms	RFP Clause remains unchanged.
510	Section II: General Instruction to Bidders	2.31	Bid Process	Price variation clause deleted	Kindly provide the maximum cap of price variation that can be considered. Suggest to consider +- 20% of total contract price (except OPEX Cost)	As per RFP
511	Section II: General Instruction to Bidders	2.33	EMD/Tender Fees	Upon furnishing of Bank Guarantee equal to 10% of the capex value as per Clause 2.13 of this RFP, by the selected PIA, the Tenderer may notify each unsuccessful Bidder and shall refund their EMD, pursuant to Clause 2.12-(4) "Earnest Money Deposit".	Request you to return the EMD of unsuccessful bidder on award of contract	RFP Clause remains unchanged.
512	Section II: General Instruction to Bidders	2.33	Bid Process	There shall be only one selected bidder for each package.	Kindly clarify if both packages can be awarded to a single bidder.	As per RFP
513	Section I: Invitation to Bids	1.2	RoW	Implementation up to GP including: a. Procurement of RoW permissions. b. Digging/trenching/HDD c. Duct laying/duct pulling d. OFC laying e. Installation f. Commissioning g. Testing h. Connectivity and Integration of GP to NMS/State NOC/BBNL NOC i. Documentation	<p>1. We request that ROW charges for state Government to be waved off. Please confirm</p> <p>2. We understand that ROW charges for Central Government (NHAI / Railways) in bidder's scope. But Delay if any in getting such approval beyond 5 Days from date of application shall lead to suitable extension in project schedule without levy of LD. please confirm.</p>	Please refer revised RFP
514	Section II: General Instruction to Bidders	2.34	Penalty	If at any point during the contract, if the PIA fails to deliver as per the RFP terms & conditions or any other reason amounting to disruption in services, the Termination and Exit Management clause shall be invoked.	In case of delay for the reasons not attributable to Bidder like Site not ready, approval or Security concerns, penalty will not be invoked	As per RFP

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
515	ITB	2.34	General	5. Tenderer may, at any time, terminate the contract by giving written notice to the PIA without any compensation, if the PIA becomes bankrupt or otherwise insolvent, provided that such termination shall not prejudice or affect any right of action or remedy which has accrued or shall accrue thereafter to Tenderer	Please clarify about the accrued rights of the Bidder, post termination by Tenderer.	RFP Clause remains unchanged.
516	GCC	3.12	General	Tenderer desires, Further, the PIA shall be obliged to ensure that all approvals, registrations which are inter-alia necessary for use of the infrastructure installed by the PIA, the same shall be acquired in the name of the Tenderer, prior to termination of this Contract and which shall be assigned by the Tenderer to the PIA for the purpose of execution of any of its obligations under the terms of the Bid, RFP or this Contract. However, subsequent to the term of this Contract, such approvals etc. Shall endure to the exclusive benefit of the Tenderer.	The costs towards obtaining licenses/ approvals for use of IPR under the Project is to be borne by whom? Please clarify. In case of any additional costs due to change in circumstances not anticipated during bid submission is to be borne by whom?	As per RFP
517	GCC	3.16	General	3. The PIA may only disclose Confidential Information in the following circumstances:	Please add Information can be disclosed under legal or regulatory directions/ such compelled disclosures.	As per RFP
518	GCC	3.16	General	5. The PIA shall sign a Non-Disclosure Agreement (NDA) with the Tenderer on mutually agreed terms & conditions. The PIA and its antecedents shall be bound by the NDA. The PIA shall be responsible for any breach of the NDA by its antecedents or delegates.	Please clarify which document shall prevail in case of an inconsistency in the terms of the NDA and the RFP.	RFP
519	GCC	3.17	Financial Bid	3.17 Taxes The quoted offer should be exclusive of Taxes. Taxes shall be paid extra on actual, as applicable. The taxes prevailing at the time of raising the invoice shall be paid. GFGNL shall deduct appropriate tax as applicable at source from the payment against the delivery & services and corresponding TDS certificate shall be issued at the end of respective quarter.	The Financial Bid is to include all taxes as per Cl.2.8 of ITB whereas, the quoted price is exclusive of taxes as per Cl. 3.17 herein. Please clarify.	As per RFP
520	Section III: General Conditions of the Contract and Service Level Agreement	3.19	Timeline	Project Implementation Schedule for GPs Installation, NOC and software	<ul style="list-style-type: none"> Detailed survey and obtaining RoW permission especially from Central Govt. authorities which is at present in Bidder's scope would take at least 2 to 3 month's time. Monsoon period will continue over 2 to 3 months during which outdoor activities cannot continue. Central and Access electronics need detailed System Requirement study and design Integration with ISP network need to be deliberated and planned. Scarcity of resource in market due to huge temporary demand since multiple projects in States has come up at the same time. <p>In view of the same, we request you to kindly amend the project schedule to at least 24 months from the date of signing of Contract along with availability of clear work front and Row approval. The time period required for survey and obtaining RoW permission should be kept out of the Project completion schedule. Alternatively 40% of the project which falls under urgent requirement can be planned for commissioning in 12 months.</p>	As per RFP

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
521	Section III: General Conditions of the Contract and Service Level Agreement	3.2	Penalty	Liquidated Damages	Request you to kindly change Liquidated damages to : complete 100% of total GPs within stipulated time schedule then a penalty @0.5% for each week of delay or part thereof for the undelivered portion limited to maximum of 10% of the Order value (Excluding AMC cost).	RFP Clause remains unchanged.
522	Section III: General Conditions of the Contract and Service Level Agreement	3.21	O&M	The term of this Contract shall be initially for a period of 8 years (one year for implementation and 7 years for Operations & maintenance) from the date of issue of contract and Go live of the entire work, according to the time schedules specified in Clause 3.19	Kindly reduce the O&M duration to 3 years	As per RFP
523	GCC	3.21	General	4. Where the Tenderer is of the view that no further extension of the term be granted to the PIA , the Tenderer shall notify the PIA of its decision at least 3 (six) months prior to the expiry of the Term. Upon receipt of such notice, the Bidder shall continue to perform all its obligations hereunder, until such reasonable time beyond the Term of the Contract within which, the Tenderer shall either appoint an alternative PIA or create its own infrastructure to operate such Services as are provided under this Contract. Tenderer shall make payment for work executed for the extended period post contract expiry.	Please provide for adequate compensation case of extended stay	RFP Clause remains unchanged.
524	Section III: General Conditions of the Contract and Service Level Agreement	3.22	General	If at any time, during the period of contract, the PIA offers identical services/products to any other Govt. Department/ Organization at prices lower than those chargeable under this contract, he shall notify the same to the Tenderer and extend such reduced prices to the Tenderer with immediate effect.	Request to kindly delete this clause	RFP Clause remains unchanged.
525	GCC	3.22	General	Prices quoted must be firm and shall not be subject to any upward revision on any account whatsoever throughout the period of contract. Tenderer however reserves the right to review the charges payable for the Maintenance and Management of the infrastructure at any time at the request of Tenderer whichever is earlier to incorporate downward revisions as applicable and necessary.	Please provide for price variation in case of "Change in Law" event or "change order" event.	RFP Clause remains unchanged.
526	Section III: General Conditions of the Contract and Service Level Agreement	3.27	PBG	Against submission of additional BG of 110% of mobilization advance	Request you to kindly reduce the advance and performance bank guarantee on completion of every 20% of GP's	RFP Clause remains unchanged.
527	Section III: General Conditions of the Contract and Service Level Agreement	3.27	Payment	Payment Schedule for GP Installations	Please change payment terms as attached in annexure 1	RFP Clause remains unchanged.
528	Section III: General Conditions of the Contract and Service Level Agreement	3.27	Payment	Payment Schedule for NOC and Other Applications:	Please change payment terms as attached in annexure 2	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
529	Section III: General Conditions of the Contract and Service Level Agreement	3.30	General	The PIA may, subject to approval by the Tenderer, terminate this Contract before the expiry of the term by giving the Tenderer a prior and written notice at least 12 months in advance indicating its intention to terminate the Contract.	Kindly update the clause: The PIA may, subject to approval by the Tenderer, terminate this Contract before the expiry of the term by giving the Tenderer a prior and written notice at least 1 months in advance indicating its intention to terminate the Contract.	RFP Clause remains unchanged.
530	Section III: General Conditions of the Contract and Service Level Agreement	3.31	General	In case of exigency, if the Tenderer gets the work done from elsewhere, the difference in the cost of getting the work done shall be borne by the PIA with capping of maximum 10% of the value of goods/services at contract	In case the termination is not due to PIA, this clause will not be applicable	RFP Clause remains unchanged.
531	Section III: General Conditions of the Contract and Service Level Agreement	3.32	Penalty	Penalty for deviation in delivery timelines / milestone to be achieved will be ceiling capped at 20% of total CAPEX of respective package.	Kindly keep all penalties max upto 10% of the Order value (Excluding AMC cost).	RFP Clause remains unchanged.
532	Section III: General Conditions of the Contract and Service Level Agreement	3.43	General	No Assignment The PIA shall not transfer any interest, right, benefit or obligation under this Contract without the prior written consent of the Tenderer	Kindly include the following assignment clause: "The Contractor shall not, without the express prior written consent of the Employer, assign to any third party the Contract or any part thereof, or any right, benefit, obligation or interest therein or there under, except that the Contractor shall be entitled to assign either absolutely or by way of charge any monies due and payable to it or that may become due and payable to it under the Contract to any Financial Institution(s) or Bank(s) or NBFC(s). In the event the Contractor assigns the monies due and payable to it or that may become due and payable to it, under the Contract, to any Financial Institution(s) or Bank(s) or NBFC(s), the Employer shall acknowledge the intimation letter it may receive from such financial institution(s) or Bank(s) or NBFC(s). If the Employer does not reply within 15 days of the receipt of the intimation letter, it can be considered as "acknowledged by the Employer". Furthermore the Employer will provide an indicative date by when the funds will be released to the Contractor as a measure of comfort for the decisions of Financial Institution(s) or Bank(s) or NBFC(s)".	RFP Clause remains unchanged.
533	Section III: General Conditions of the Contract and Service Level Agreement	4	Penalty	Proposed SLA Uptime Per Block:25 % of the Quarterly OPEX of respective block	Kindly keep all penalties max upto 10% of of the Quarterly OPEX of respective block	RFP Clause remains unchanged.
534	Section III: General Conditions of the Contract and Service Level Agreement	6	Penalty	During excavation of trench utmost care should be taken by the bidder, so that the existing underground cables/utilities are not damaged or cut. In-case any damage/ cut is done to the existing cables/utilities, a penalty of Rs. 50,000/- per cut will be levied and the same will be deducted from PIA's bills.	Kindly reduce the penalty amount to 5000/- per cut	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
535	GCC	3.24	General	3.24 Suspension of Work 1. The PIA shall, if ordered in writing by the Tenderer's Representative, temporarily suspend the works or any part thereof for such a period and such a time as ordered, then PIA shall not be entitled to claim compensation for any loss or damage sustained by him by reason of temporary suspension of the Works as aforesaid but shall be eligible for the payment (of products/services delivered and accepted) during the suspension period as per contract	Provide for compensation in case of suspension of the contract for reasons not attributable to the Bidder.	RFP Clause remains unchanged.
536	GCC	3.29	General	2. The Tenderer may, by a written notice of suspension to the PIA, suspend all payments to the PIA under the Contract, provided that such notice of suspension: a. shall specify the nature of the failure; and b. shall request the PIA to remedy such failure within a specified period from the date of receipt of such notice of suspension by the PIA	Payments suspension has to be invoices payable post termination. However, please amend the clause so as to remit the payments for work executed before termination/ invoices payable before termination.	As per RFP
537	GCC	3.3	General	e. Termination for Convenience: The Tenderer, may, by prior written notice sent to the PIA at least 6 months in advance, terminate the Contract, in whole or	Please provide for adequate compensation	As per RFP
538	GCC	3.3	General	case of any loss or damage due to default on the part of the PIA in performing any of its obligations with regard to the execution of the scope of work under this Contract, the PIA shall compensate the Tenderer for any such loss, damages or other costs, incurred by the Tenderer. Additionally, other members of its team shall perform all its obligations and responsibilities under this Contract in an identical manner as were being performed before the collapse of the PIA as described above in order to execute an effective transition and to maintain business continuity. All third parties shall continue to perform all/any functions as stipulated by the Tenderer and as may be proper and necessary to execute the scope of work under the Contract in terms of the PIA s' Bid, the RFP and this Contract.	The compensation to be provided by PIA is to be limited to the actual costs incurred. Further, the costs borne by the third parties performance of contract, post termination shall be borne by the Tenderer. Please clarify	RFP Clause remains unchanged.
539	GCC		General	Termination by PIA	Please provide for an option for termination by the Bidder/ PIA in case of Events of default by the Employer/ Tenderer	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
540	GCC	3.33	General	<p>Except otherwise provided in this RFP in the event of any question or interpretation of any clause, dispute or difference or to any other claim, right, matter or thing whatsoever in any way arising out or relating to this RFP whether arose during the progress of the work or after the cancellation, termination, completion or abandonment thereof, shall be settled by the parties amicably through negotiation within a period of 30 days of the notice by other party, failing which, the dispute shall be referred to a three member committee appointed by the CMD, BBNL. The arbitration shall be conducted in accordance with the provisions of the Arbitration & Conciliation Act, 1996 or any statutory modification of re-enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceedings. In case of dispute not getting resolved by the aforementioned three-member committee, the Chief Secretary of Government of Gujarat shall appoint an arbitrator. The arbitrator shall adjudicate on only such disputes as are referred to him by the appointing authority and give separate award against each dispute and claim referred to him and shall give reasons for the award. The fee payable to arbitrator shall be paid equally by both the parties.</p>	<p>Please note the 2015 Amendment to the Arbitration & Conciliation Act of 1996 disqualifies any "related" party or employee of the parties to the arbitration proceedings. Therefore, since CMD, BBNL falls under this category, it is requested to amend the clause so as to [provide for the parties to mutually appoint the arbitrator OR refer the dispute to Indian Arbitration Council for appointment (as per Amendment Act of 2018 if it comes into force) so that the council shall appropriately appoint the arbitrator.</p>	As per RFP
541	GCC	3.42	General	<p>2. Provided, also that if the contract is terminated under this clause, the Tenderer shall be at liberty to take over from the PIA at a price to be fixed by the Tenderer, which shall be final, all unused, undamaged and acceptable materials, bought out components and stores in course of manufacture which may be in possession of the PIA at the time of such termination or such portion thereof as the Tenderer may deem fit, except such materials, bought out components and stores as the PIA may with the concurrence of the Tenderer elect to retain.</p>	<p>Please provide for extension of time and compensation in case of a Force Majeure event. Further, in case of termination as per this clause extracted, Please provide for payments for works executed as on date of happening of the force majeure event and allow for compensation post termination.</p>	RFP Clause remains unchanged.
542	Section IV: Scope of Work	4.4	NOC	<p>GFGNL will provide a temporary place in Gandhinagar for NOC setup, however once final location is identified gradually NOC IT and NON-IT resources needs to be transferred at finalized location without adding any additional cost and creating any disruption in services of NOC.</p>	<p>A considerable amount of time and cost is required to shift NOC from temporary to final location therefore the same has to be reimbursed to bidder at actuals</p>	As per RFP
543	Section 5 Bid Submission Format SOR for Package A	5.1	Software	<p>D- Supply – Network Operations Centre (NoC)</p>	<p>Item – GISNIS missing from SoR . It should be added . -consist of network management, fibre management, inventory and asset mapping, GIS layer MIS</p>	RFP Clause remains unchanged.
544	Annexure 5.6	5.6	General	<p>We have indicated in the relevant schedules enclosed, the unit rates for the purpose of RFP requirement on account of payment as well as for price adjustment in case of any increase to / decrease from the scope of work under the contract.</p>	<p>We propose to include the wordings : We have indicated in the relevant schedules enclosed, the unit rates for the purpose of RFP requirement on account of payment as well as for price adjustment in case of any increase to / decrease from the scope of work under the contract</p>	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
545	Annexure 5.9	5.9	PBG	4. We (name of the bank)_____ further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Contract and that it shall continue to be enforceable till all the dues of the State/SIA under or by virtue of the said Contract have been fully paid and its claims satisfied or discharged or till _____ (office/ Department) State/SIA certifies that the terms & conditions of the said Contract have been fully or properly carried out by the said PIA and accordingly discharges this guarantee	Please provide for an End date for expiry of the BG. However, the PIA shall be obligated to keep the BG valid (by renewal if need be), upto 180 days post contract period.	RFP Clause remains unchanged.
546	Annexure 5.16	5.16	General	b. Such Confidential Information may be in any form or medium, tangible or intangible, and may be communicated/disclosed in writing, orally, or through visual observation or by any other means to the Receiving Party.	1) All Confidential Information must be documented and marked "Confidential". Please confirm. 2) Confidential Information shall not include information obtained from third parties without breach of this agreement, independently developed by the Bidder, is in public domain etc. 3) Confidential Information can be disclosed to employees, authorized representatives and legal/ regulatory bodies on a need-to-know basis.	RFP Clause remains unchanged.
547			General	General	We understand following arrangement will be made by GFGNL: 1) Site readiness, 2) Civil works for Equipment room, 3) Availability of Electrical Power (maximum at 10 m from equipment location) 4) Availability of water and Power supply during implementation. Please confirm.	As per RFP
548			UPS	General	Please confirm that Power equipment like UPS/DC power supply, Space, Air-conditioning etc. for OLT is not in bidders scope.	Please refer revised RFP
549			Payment	General	Kindly pay the supply cost on per GP basis.	RFP Clause remains unchanged.
550		5.19	Financial Bid	General	We understand BOCW tax to be included in the bid price, please confirm.	As per RFP
551	Section V	Annexure 5.1 Schedule of Requirements (SOR)	Network Design	SOR for Package A & B	We require FDMS at BSNL Exchange Location to terminate 96 core fiber cable. FDMS is not included in SOR and Financial Bid, request to confirm.	Please refer revised RFP.
552	Section IV	4.3.1.2 Network Design Criteria	Network Design	Gram Panchayat (GP) Locations: 1. Each ONT will have 1 PON port and minimum 8 Ethernet ports (1000BaseT).	As per As per TEC GR no. GR/PON-01/02 APRIL 2008, ONT should have In-Built Wi-Fi support. If you require in-built Wi-Fi please confirm. Request to confirm standard also like IEEE 802.11g/n/ac.	ONT inbuilt Wi-Fi support is not required.
553	Section IV	4.3.1.2 Network Design Criteria	Network Design	BSNL Exchange Location: 3. Each OLT will have Total 32 ports. Of 32 ports, 16 PON ports will be there on LT cards (line cards towards ONT side) and 16 Network connectivity [(4 * 10G) + (4 * 1G)] ports will be there on 2 redundant NT cards (Network cards towards backend Network).	How you will achieve redundancy at PON Port Line card in OLT?	As per RFP
554	Scope of work	4.3	Network Design	OLT, ONT, and splitters to enable the intended services such as internet, telephone, e-services and value added services	Whether the telephone will be analog or VOIP type. Please confirm.	"Telephone" word will be removed from this clause.
555	Scope of work	4.3	Network Design	12 fibers to be terminated at FTB each at TC and DC center of GSWAN project in the respective geography treating TC and DC each as a GP.	We understand only fiber termination is in our scope at FTB each at TC and DC center of GSWAN project in the respective geography treating TC and DC each as a GP	ONT is also to be installed, configured, commissioned and O&M at each TC and DC like other GPs.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
556	Scope of work	4.3.1.2	Network Design	Bidder has to provide all necessary intermediate transport infrastructure and hardware to ensure bandwidth and data transmission up to all GPs which will be pumped from Gandhinagar state NOC.	Please provide total network capacity NOC to POP/OLT.	Please refer revised RFP.
557	4.3.1.2	Network Design Criteria	Rack		You require FTB and ONT will be place in 18U Wallmounted Rack.Please clarify,There will be not more than 4 Nos of equipment mount at GP Location in Rack So 18U Rack will be over size for Gram Panchayat Location and 18U Rack can not be Wallmontable because of its weight.You can use 15U Wallmount Rack In which you can hold all the equipments in Rack.	Please refer revised RFP.
558	4.4.5.2	Network rack Specifications	Rack		18U Rack is Floor Mount and Its Size is 600Wx1070Dx1185H, Door Full Perforated 750W and require IP Switched PDU.Please clarify , Depth of Network equipment at GP not more than 400mm,So not require 1070mmD Rack Door :: 750W door can not be mount in 600W Rack and It is not require Perforated Door in your Network application IPDU :: All equipment ONT,FTB and other have Indian standard Power Inlet Pin So not require IEC Socket type Intelligent PDU and It will not mount in this rack because of height of PDU.	Please refer revised RFP.
559	4.4.5.2	Network rack Specifications	Rack		42U Rack is Floor Mount and Its Size is 7500Wx1070Dx1991H, Door Full Perforated 600W and require IP Switched PDU.Please clarify , Door :: 600W door can not be mount in 750W Rack and It is not require Perforated Door in your application	Please refer revised RFP.
560	4.4.5.2	Network rack Specifications	Rack		All Specifications are from particular brand , So request you to make neutral specs So others also can participate in this tender.	Please refer revised RFP.
561	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332	4.4.5.2 Network rack Specifications , 1. Floor mount 18U Network Rack (For ONT/GP Locations)	Rack	1. 18 U: 600 x 1070 x1185 mm	Specific Diemenions Is mentioned which is OEM Specific Please remove and modify to industry standard 600W X 18UH 1200H X 1200D to allow eual level playing field for OEM and help department to achieve best pricing and product.	Please refer revised RFP.
562	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332	4.4.5.2 Network rack Specifications , 1. Floor mount 18U Network Rack (For ONT/GP Locations)	Rack	2. Door Steel Ful Prf 750W x 18U	Looks Like Typo Error as Rack is 600W as per point 1 hence the door size has to be 600W x 18U (1200H) erquest to change the same	Please refer revised RFP.
563	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332	4.4.5.2 Network rack Specifications , 1. Floor mount 18U Network Rack (For ONT/GP Locations)	Rack	2. Door Steel Ful Prf 750W x 18U	request to mention perforation should be 80% -90%	Please refer revised RFP.
564	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332	4.4.5.2 Network rack Specifications , 1. Floor mount 18U Network Rack (For ONT/GP Locations)	Rack	6. IPDU: 2 nos. of 32 Ampere IP Switched PDU each having 21 nos. C13 sockets, 3 nos. of C19 sockets	No of sockets are OEM Specific Please modify : IPDU: 2 nos. of 32 Ampere IP Switched PDU each having 20-25 nos. C13 sockets, 3-5 nos. of C19 sockets	Please refer revised RFP.
565	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332	4.4.5.2 Network rack Specifications , 1. Floor mount 18U Network Rack (For ONT/GP Locations)	Rack	Additional for better life and corrsion protetcion	Surface Finish : Sheets cleaned, degreased, phosphate, electro- Dip coat primed and electro statically powder coated with textured Polyester paint RAL 7035.	Please refer revised RFP.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
566	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332	4.4.5.2 Network rack Specifications , 1. Floor mount 18U Network Rack (For ONT/GP Locations)	Rack	Additional Certification for quality and safety	ISO 9001, 14001 and 18001 and UL 60950-1INFORMATION TECHNOLOGY EQUIPMENT - SAFETY - PART 1: GENERAL REQUIREMENTS, CSA C22.2 NO. 60950-1-07-CAN/CSA INFORMATION TECHNOLOGY EQUIPMENT SAFETY PART 1: GENERAL REQUIREMENTS	Please refer revised RFP.
567	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332	4.4.5.2 Network rack Specifications , 1. Floor mount 18U Network Rack (For ONT/GP Locations)	Rack	Additional for Load Carrying Capacity	Frame Material : Frame Of sturdy 1.5mm frame section construction, consisting of Nine folded rolled hollow frame section punched in 25mm DIN pitch pattern with Load Carrying capacity of 1400KG	Please refer revised RFP.
568	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332	4.4.5.2 Network rack Specifications , 1. Floor Mount 42U Rack (For OLT Locations)	Rack	1. 42 U:750 x1070 x1991 mm	Specific Diemenions Is mentioned which is OEM Specific Please remove and modify to industry standard 800W X 42UH 2000H X 1200D to allow eual level playing field for OEM and help department to achieve best pricing and product.	Please refer revised RFP.
569	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332	4.4.5.2 Network rack Specifications , 1. Floor Mount 42U Rack (For OLT Locations)	Rack	2. Door Steel Ful Prf 600W x 42U	Looks Like Typo Error as Rack is 800W as per point 1 hence the door size has to be 800W x 42U (2000H) request to change the same	Please refer revised RFP.
570	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332	4.4.5.2 Network rack Specifications , 1. Floor Mount 42U Rack (For OLT Locations)	Rack	2. Door Steel Ful Prf 750W x 18U	request to mention perforation should be 80% -90%	Please refer revised RFP.
571	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332	4.4.5.2 Network rack Specifications , 1. Floor Mount 42U Rack (For OLT Locations)	Rack	6. IPDU: 2 nos. of 32 Ampere IP Switched PDU each having 21 nos. C13 sockets, 3 nos. of C19 sockets	No of sockets are OEM Specific Please modify : IPDU: 2 nos. of 32 Ampere IP Switched PDU each having 20-25 nos. C13 sockets, 3-5 nos. of C19 sockets	Please refer revised RFP.
572	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332	4.4.5.2 Network rack Specifications , 1. Floor Mount 42U Rack (For OLT Locations)	Rack	Additional for better life and corrsion protetcion	Surface Finish : Sheets cleaned, degreased, phosphate, electro- Dip coat primed and electro statically powder coated with textured Polyester paint RAL 7035.	Please refer revised RFP.
573	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332	4.4.5.2 Network rack Specifications , 1. Floor Mount 42U Rack (For OLT Locations)	Rack	Additional Certification for quality and safety	ISO 9001, 14001 and 18001 and UL 60950-1INFORMATION TECHNOLOGY EQUIPMENT - SAFETY - PART 1: GENERAL REQUIREMENTS, CSA C22.2 NO. 60950-1-07-CAN/CSA INFORMATION TECHNOLOGY EQUIPMENT SAFETY PART 1: GENERAL REQUIREMENTS	Please refer revised RFP.
574	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332	4.4.5.2 Network rack Specifications , 1. Floor Mount 42U Rack (For OLT Locations)	Rack	Additional for Load Carrying Capacity	Frame Material : Frame Of sturdy 1.5mm frame section construction, consisting of Nine folded rolled hollow frame section punched in 25mm DIN pitch pattern with Load Carrying capacity of 1400KG	Please refer revised RFP.
575	1.2	Package A (Rest of Gujarat) consists of: 3. State Network Operation Center & Software: Page Number 18	Software	e. Project Management Tool, Mobile Application (Project and O&M Phase) and Web Portal shall be Open Source only, for the entire duration of this contract. NMS and GIS (NIS) may be licensed product for the Project Execution phase. However, the same has to be compulsorily developed on Open source for the O&M Phase. The PIA will have to completely migrate all data from licensed product to Open source platform. ERP can be Licensed or open source for the entire duration of contract.	The Fiber Network Data Model includes a series of essential foundation layers in telecom for cartographic design elements to produce operational layers. This is the inbuilt capabilities of COTS GIS software, whereas in open-source there is a limitation. With Open source GIS software, the entire Project time line and cost will be higher in tern of development for any Master System Integrator. As per our understanding and observation, We are requesting you kindly consider COTS GIS software for post implementation with the final delivery.	Proposed solution by bidder must meet defined functional scope in RFP.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
576		4.5.2 Project Management Tool	Software	2. The GIS should facilitate creation of multiple layers on the base map, such layers should include minimum of topographic design, RoW permissions (All stages), HDD, trenching, ducting, fibre laying, reinstatement, passive optical components, electronics, civil TPA and OTDR results	As we understand that "facilitate creation of multiple layers on the base map" is available with only COTS GIS Product. Kindly clarify the same.	Proposed solution by bidder must meet defined functional scope in RFP.
577		4.5.2 Project Management Tool	Software	3. The GIS should allow generation of reports (for each layer such as topographic design, RoW permissions (All stages), HDD, trenching, ducting, fibre laying, reinstatement, passive optical components, electronics, and OTDR/LSPM results) for field activities area-wise (Village, Taluka, District)	Is department looking for Topographic design like create Terrain profile graph on Web GIS on the fly. Kindly Clarify	Proposed solution by bidder must meet defined functional scope in RFP.
578		4.5.2 Project Management Tool	Software	4. The GIS system should interface with the project management tool to facilitate data exchange and mark completion of tasks allocated to the resources	We understand that The GIS system interface should like industry-standard architecture which will offer: 1) Flexi customization facility to integrate with other IT Syetm in present and Future. 2) functionality extensions for Fibre Network analysis 3) Scalability, from project GIS to enterprise spatial initiatives 4) Maintenance and viewing of data using business rules Kindly clarify the same.	Proposed solution by bidder must meet defined functional scope in RFP.
579		4.5.2 Project Management Tool	Software	5. The GIS system should interface with the incident management system / ticketing system / NMS/OTDR to identify impact of a component failure during the O&M phase of the project	We understand that department is looking for OTDR Tracing, Circuit Management, Fiber Core Management For telecom. Kindly confirm the same.	As per RFP
580		4.3.1.3 Fibre Implementation:	Software	point 9: All important information like no. of ducts, type of fibre, no. of healthy fibre cores, location of chambers, location of rack, model of equipment installed etc. along with location information will be maintained in attributes of different layers in GIS. The GIS functionality will be brought in by PIA based on open source software. The PIA shall procure adequate number of Smart phones/tabs with GPS facility for their field staff to update the Project Status through the mobile Applications. The same shall be used by the Field Response Team during the Operations and Maintenance phase.	Kidly Allows COTS GIS software, to be part of this Project. As per the requirement , we understand there is complete enterprise mapping of the GIS system is asked and further integration of GIS system with other systems like NMS, Project Management ,ROW management,RFMS,etc. To have such a robust solution GIS system should be robust and should support service oriented architecture to integrate all the system . Integration of data at the end would need to be done with the BBNL NOC ,which is built on the ESRI Platform.	As per RFP
581		4.5.3 GIS	Software	7.Asset mapping and Fibre Management	We would like to have clarity on the Fiber network Management , either the system would like map only the telecom assets or complete fiber network in which they would like to map the schematics and core inside the fiber cable and joint details and perform the Fiber tracing also.	Proposed solution by bidder must meet defined functional scope in RFP.
582		4.5.3 GIS	Software	6. The GIS should have a web based version and mobile based version with features to update in an offline mode	ESRI based GIS system offers Web based Templates , easily configurable mode and configurable mobile based apps that can work in offline environment also , it also provides runtime environment for the custom build on apps to integrate with other systems that will be having access of 6 types of basemaps also which is in built with the solution.	Proposed solution by bidder must meet defined functional scope in RFP.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
583	Section IV: Scope of work	Clause 4.4.7	Fiber	PIA will have to plan the footprint of fibre monitoring in any block / island in such a way that all 96F feeder cables must be covered under monitoring. Accordingly, number of RFMS units required in a block may be less than the number of OLT locations in that block.	We understand that All the 96 Feeder cable must be covered till GP, Taluqa, Collectriate and next OLT Location, It means that Distribution cable of 48 Fiber will also be monitored which is connected at intersection point as live fiber testing is asked, Please clarify	Yes
584	Section IV: Scope of work	Clause 4.4.7	Network Design	1. Optical Port: Minimum 16 nos. with SC/LC/PC/APC connectors	We understand that all the live fiber will be monitored, it means every 96Fiber feeder cable consist of 7-8 fiber cores. Thus total fiber nos will be 36-48 as 5-6 Fedders cables are at OLT Location, It is suggested to revise it to minimum 36 Port	Please refer revised RFP.
585	Section IV: Scope of work	Clause 4.4.7	Rack	2. Size: <= 2U	It is suggested to change it to 1U Size as More Rack Space will be free for other Instruments.	Please refer revised RFP.
586	Section IV: Scope of work	Clause 4.4.7	Network Design	7. OTDR dynamic range: At least 30 dB	The network is going to exist for Minimum 20-25 Years and losses will increase in future due to Fiber rectification work or by any other means so it is suggested to revise it with Minimum 40dB range so the system works well in future also irrespective of Fiber degradation	RFP Clause remains unchanged.
587	Section IV: Scope of work	Clause 4.4.7	Network Design	8. Wavelength support: 1625 nm , 1650 nm, 1310 nm and 1550 nm	In Live testing 1625 or 1650nm will be applicable as they don't affect the other wavelengths of the network, So it is suggested to revise it to 1625 or 1650nm(both option)	RFP Clause remains unchanged.
588	Section IV: Scope of work	Clause 4.4.7	Network Design	17. Insertion loss of WDM coupler:<=1dB	It is suggested to revise it to 1.5dB or insertion loss 1dB without connector	RFP Clause remains unchanged.
589	4.4.5.6 Online UPS	Section IV: Scope of Work	UPS	Input Voltage Range 160-280 VAC @ 100% load, Single Phase	20kVA UPS as per OEM standard , input and output will be three phase, please change to three phase se 4 wire system.	Please refer revised RFP.
590	4.4.5.6 Online UPS	Section IV: Scope of Work	UPS	3. Certifications UPS should meet CE, BIS and ROHS standards (Compliance to be submitted)	We assume that BIS is only applicable for UPS upto 5 KVA as per industry standards. Please confirm.	Please refer revised RFP.
591	Annexure 5.1 Schedule of Requirements (SOR)	Section V: BID Submission format	UPS	C Supply - Active Infrastructure 6 UPS at Blocks	We understand that OLT will be installed in BSNL exchange so there is no need to have UPS at taluka level. Please clarify.	Yes
592	Integrated SMPS Power Supply	Section IV: Scope of Work	UPS	The power Supply shall consist of SMPS (FR/FC), and Charge Control Unit, Battery bank, Lightening & Surge Protection, alarms and interconnecting cables.	To keep the higher uptime, it is recommended to add the solar panel to charge the Battery incase of Grid power failure. Please confirm.	RFP Clause remains unchanged.
593	Annexure 5.1 Schedule of Requirements (SOR)	Section V: BID Submission format	UPS	C Supply - Active Infrastructure 5 UPS at GPs	We understand that the SMPS will be installed in GPs to power on the ONTs so there is no need to have UPS at GP level. Please confirm.	Integrated SMPS power supply stands removed. Further, UPS of 1 KVA capacity to be provided at GP locations with 2 hrs battery backup."
594	4.3.1.2	Section IV: Scope of Work		Operator Workstations, EMS server ,Desktops, etc	We understand that EMS server , Desktops etc will be supplied separately for the two packages. There could be a possibility that the L1 bidders in each package can be different and hence the GPON equipment and EMS servers will be different and hence the EMS servers, Desktops to be quoted separately for each package.	RFP Clause remains unchanged.
595	4.3.1.7	Section IV: Scope of Work		All material will be inspected at factory site by TPA/FPA representative as directed by State/SIA/BBNL. Once the material is passed from TPA/FPA at factory and is delivered at site, random inspection of some samples of material will also be done at the site by FPA/alternate agency appointed by state/SIA	We request the GFGNL to accept the factory test reports of the OEM instead of site inspection by TPA/FPA. Once the material is received at site, a random inspection of some samples of materials can be done by FPA/alternate agency appointed by the state/SIA	RFP Clause remains unchanged.
596	4.3.1	Section IV: Scope of Work	NOC	Integration with State NOC at Gandhinagar and existing BBNL NOC at Bangalore.	We understand that there will integration between NMS in the state NOC and the NMS at the BBNL NOC via standard APIs. Please confirm.	Yes

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
597	NA	General		EMS Integration with NMS through NBI (North Bound Interface)	We assume that the Element Management System (EMS) from 2 packages will integrate with Package-A NMS system. Package-A NMS will integrate further with BBNL's NMS on standard North Bound Interfaces (SNMPxxx/ XML/ JAVA / CORBA. TMF-814/ CORBA). The licenses shall be supplied as the North bound interface along with suitable network interface and software in the NMS, so as to have a common/ centralized network management system of different vendors. Please confirm.	Yes
598	4.3.1 Sub clause 10(i) Page No. 106	Section IV: Scope of Work		Bidder should note that different GPs will be lit at different times as per the timeline for project implementation. The O&M phase shall begin only after all GPs in the scope have been lit. Nonetheless, the PIA shall be responsible to do O&M for the partially lit GPs which considering that to be O&M before zero day, will be paid in part on prorata basis.	Please reconsider the Go-live with 50% of the GPs are lit. The O&M should start from 50% of the GPs since many of the GPs will not be installed/integrated due to various reasons beyond the control of Bidder.	RFP Clause remains unchanged.
599	4.3.1.2 Sub clause 2	Section IV: Scope of Work		Each OLT will have 1G / 10G optical Ethernet uplink / Network side connectivity from BSNL Network equipment installed at BSNL exchange to start the Network services at Day-0. This connectivity will be provided by BSNL for approximately 6 months, after that period PIA will have to ensure uplink / Network side connectivity through GSWAN (available at TC and DC offices) / any other Network provided by GFGNL.	As per the understanding, GSWAN will not be able to handle the traffic. It will be the best way to use BSNL network for the management network forever because OLT is installed in BSNL premisses. This will minimise the chances of OLT go down from EMS. Migration from one network to another require lots of efforts. Request GFGNL to provide a single network for the management traffic. Please remove the scope of migration from BSNL to any other network.	As per RFP
600	4.3.1.2 Sub clause 5	Section IV: Scope of Work		RFMS will be planned at OLT locations to achieve 24X7 monitoring of OFC and PON live fibres. PIA will have to plan the footprint of fibre monitoring in any block / island in such a way that all 96F feeder cables must be covered under monitoring. Accordingly, number of RFMS units required in a block may be less than the number of OLT locations in that block. Details of RFMS is specified in NoC section.	As per the requirement mentioned, only Lit fibers need to be considered for the monitoring. Please confirm.	As per BSNL/Industry practice, subject to meeting functionality, desirability and quality
601	4.3.1.2 GPON Sub clause 15	Section IV: Scope of Work		Bidder has to provide all necessary intermediate transport infrastructure and hardware to ensure bandwidth and data transmission up to all GPs which will be pumped from Gandhinagar state NOC.	Request you to please specify the total Bandwidth requirement from each Island towards NOC. Please specify the transport technology to be used for the bandwidth delivery.	Please refer revised RFP
602	4.3.1.3 Sub clause 10	Section IV: Scope of Work		In likely event of no availability of Telephone exchange at Subir taluka in Dang district / any other Taluka, the PIA shall set up air conditioned temporary container cabin for housing OLT / FTB along with its associated power system. Concrete platform of suitable size (based on size of container) with minimum height of 1 mtr is to be constructed with required steps.	Request you to specify such talukas where there is no exchange in SOR.	It is possible that in few places (3-4 locations per package) BSNL exchange may not have sufficient capacity. Bidder may provision as part of design.
603	4.4.3 NOC Monitoring Requirements Sub clause 6	Section IV: Scope of Work	NMS	The NMS shall be configured to automatically discover all manageable elements of the scope till ONT on field side and till gateway device at State NOC as well as Active devices installed at SDC(including servers, routers, UTM, switches, etc.).	No Specification has been mentioned for servers, routers, UTM, switches.	This is an EPC contract
604	Indicative Summary of NOC IT & Non IT Infrastructure Sub clause 8	Section IV: Scope of Work	NOC	To be provided by GFGNL, for internet, NOC.	Please clarify who will provide Router and security equipment for internet connectivity at NOC. Also provide the specification.	Please refer revised RFP

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
605	4.4.6.1.2 NMS Interfaces	General	NMS	SMS & Email Alerts	Who will provide the SMS and Email gateway for incident alerts on mobile & Email	SMS gateway will be provided by GFGNL. For email services required server will be provided by GFGNL. However, Email service application, Gateway and Domain name to be provided by PIA.
606	Section II: General Instruction to Bidders	2.28	Bid Process	The Sole Bidder or Lead Bidder in case of a consortium should have experience of Laying, Installation, Testing and Commissioning of Optical Fibre Cable (Underground or Aerial), Duct and accessories as mentioned below in last 3 years as on bid submission date: Package A: 5100 kms Package B: 4900 kms In case the sole bidder or a Lead bidder (in case of Consortium) desires to bid for both the packages then the bidder must have experience of 10000 kms, in Laying, Installation, Testing and Commissioning of Optical Fibre Cable (Underground or Aerial), Duct and accessories as mentioned below in last 3 years on bid submission date. Note: 1. If bidder bids for both the packages and it is found that his experience is not meeting the work experience requirement of 10,000 Kms., as above, then in that case GFGNL reserve the right to consider his bid in any one of the packages.	We request you to divide the packages in four (4), instead of two packages of Saurashtra and rest of Gujarat, and the Sole Bidder or Lead Bidder in case of a consortium should have experience of Laying, Installation, Testing and Commissioning of Optical Fibre Cable (Underground or Aerial), Duct and accessories in last 5 years i.e 2012-13 to 2016-17 financial years as on bid submission date as 2500 kms per package.	RFP Clause remains unchanged.
607	Annexure 5.5 – Compliance Document	5.5	Bid Process	The Sole Bidder/lead Bidder should submit valid letter from each of the OEM (one and only one OEM for each component) - confirming the following: OEM shall ensure that all quipment/components/subcomponents being supplied by them shall be supported for entire contract period. If the same is de-supported by the OEM for any reason whatsoever, The bidder shall replace it with an equivalent or better substitute that is acceptable to Tenderer without any additional cost to the Tenderer and without impacting the performance of the solution in any manner whatsoever.	The Sole Bidder/lead Bidder should go for more than 1 package then the bidder should submit package wise MAF from the single OEM's, confirming the following: OEM shall ensure that all quipment/components/subcomponents being supplied by them shall be supported for entire contract period. If the same is de-supported by the OEM for any reason whatsoever, The bidder shall replace it with an equivalent or better substitute that is acceptable to Tenderer without any additional cost to the Tenderer and without impacting the performance of the solution in any manner whatsoever.	Please refer revised RFP
608	Annexure 5.19 – Priced BOQ Format	5.19	Fibre	Electronic route indicators	Kindly change it to conventional route marker	"Electronic Route Marker" stands removed. However, the distance between two Cement Route Markers must be 200 Meters.
609	Annexure - A, Technical specifications as per TEC GR	4.7.1 Point 1	Fibre	Aerial OF Cable (ADSS Cable): 24 pair ADSS on power lines: As per TEC GR No. TEC/GR/TX/OFC-022/02/MAR-17 with latest amendments if any.	We request you to kindly allow ADSS cable of any Fibre (12F/24F/48F) and the OEM's shall ensure that they will take the required TSEC certification before the supply of the cables.	RFP Clause remains unchanged.
610	Earnest money deposit	2.12	EMD	The Bidder shall furnish, as part of its bid, an Earnest Money Deposit (EMD) of the amount INR 15,00,00,000/- (Rupees Fifteen Crores only) for each package.	We request to furnish the EMD, package wise and it should be 2 crores for each package, totalling 8 crs for 4 packages.	RFP Clause remains unchanged.
611	New	New	Bid Process	New	The sole bidder or a Consortium can bid for all 4 packages. But maximum 2 packages can be awarded to the bidder.	Query not understood
612	general questions	general questions	Bid Process	general questions	How many no of users will be collecting the data through the mobile based application and will collect and edit the features ?	Total users= 600, Concurrent users=100
613	general questions	general questions	Software	general questions	Is there any existng GIS Solution is being used by Gujarat Fibre Grid Network Limited (GFGNL) .Any open source or COTS Platform	No

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
614	2.28.3.3	Secion 2	Bid Process	<p>The Sole Bidder or Lead Bidder in case of a consortium should have experience of Laying, Installation, Testing and Commissioning of Optical Fibre Cable (Underground or Aerial), Duct and accessories as mentioned below in last 3 years as on bid submission date: Package A: 5100 kms Package B: 4900 kms</p>	<p>This clause is absolutely not in line of other tenders issued by other PSU/State Governments for BBNL PH-2. Please refer the following tenders:</p> <ol style="list-style-type: none"> 1. BSNL tender no. CA/MMT/NOFN/Selection of PIA/T-610/2017 Dated 29.12.2017 2. BBNL tender no. BBNL/MM/2017/PIA for BharatNet Phase-II/ PB & BH/004 dated 15-12-2017 3. Jharkhand state (JCNL) tender no. JCNL-09/2017 dated 23/12/2017 4. Chattisgarh State (Chips) Tender no. 05/CEO/CHIIPS/MSI/BHARATNET/2018 dated 31/01/2018 5. Maharashtra (MahaIT) tender no. Mahait/CNI/001/01/2018 Dated 31/01/2018 <p>In all above tenders (copies of relevant pages of above tenders are enclosed for your ready reference), the EPC experience of any of the consortium partner has been accepted. However, in the current instant tender, EPC experience of Sole bidder/Lead bidder is asked, which is absolutely not correct. In order to ensure wider participation and healthy competition, we request to consider and modify this clause as follows:</p> <p>The Sole Bidder or any partner in case of a consortium should have experience of Laying, Installation, Testing and Commissioning of Optical Fibre Cable</p>	RFP Clause remains unchanged.
615	2.28.3.7	Secion 2	Bid Process	The Sole Bidder/lead Bidder should submit valid letter from each of the OEM (one and only one OEM for each component.....	We request to allow minimum 3 OEM of each line item to ensure timely delivery and non-dependence on single OEM for particular line item. Please confirm.	RFP Clause remains unchanged.
616	2.28 Note : 1	Secion 2	TSEC	The TSEC obtained by the OEMs of bidders for the various tenders floated by BBNL/BSNL in the last two years shall be acceptable for the items which are part of this RFP provided that the technical specifications remains unchanged. In case of OFC, any change in the source of raw material shall be subject to fresh TSEC process of QA	<p>We understand that there is no need to apply for fresh TSEC against this particular tender of GFGNL. As the same specification of OFC has been proposed and offered in BSNL Tender no. CA/MMT/NOFN/Selection of PIA/T-610/2017 issued on 29/12/2017. We understand that the supplies can be made along with the same TSEC against this GFGNL Tender.</p> <p>By this, the bidder shall save a lot of time being invested in TSEC procedure and save financial expenditures as well.</p>	Yes, however if product is changed due to specific functional requirement asked in this tender, then fresh TSEC approval is required.
617	Note 2.6	Secion 2	Bid Process	In case of a consortium, the maximum members should not be more than 3 including the Lead bidder.	<ol style="list-style-type: none"> 1. Is it allowed to have consortium (maximum 3) of One OFC Vendor and 2 EPC vendors? Please confirm. 2. Is it allowed to have consortium (maximum 3) of One EPC Vendor and 2 OFC vendors? Please confirm. 	As per RFP
618	2.29.4	Secion 2	Bid Process	Bidders quoting unrealistic Project cost shall be rejected straightaway by the committee and EMD of such bidder shall be forfeited. Any bid found to have unsatisfactory response in any of the eligibility criteria as mentioned may be rejected and shall not be considered for further evaluation.	<ol style="list-style-type: none"> 1. Please confirm the meaning/value of unrealistic cost. 2. Please provide the budget of this tender and acceptable tolerance limit so that price quoted by bidder shall not be considered as unrealistic. 3. It is absolutely unfair to forfeit the EMD in such cases. Kindly delete this clause to avoid any future complications. 	As per RFP
619	4	Secion 4	Fibre	24F ribbon ADSS cable will be used for aerial connectivity of GP in case UG fibre execution is not possible.	Please confirm whethet it is 24F ribbon ADSS cable?	To be read as "ADSS Optical fibre Cable 24 core". Word "Ribbon" removed in this clause.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
620	4.3.3.5	Section 4	TPA	<p>Third and Forth Party Agency for the Acceptance Testing Certification:</p> <p>The quality check and acceptance Testing (AT) for the GPs shall be of Two Tier.</p> <p>1.The First Tier – State/SIA/USOF shall have the right to appoint a TPA. TPA shall inspect, verify and certify the progress and completion of the project on 100% basis.</p> <p>2. The Second Tier – State/SIA shall have the right to appoint an FPA to carry out the inspection of up to 10% work & integration of the GPs with NOC on sampling basis/randomly.</p>	<p>1. We understand that testing charges, if any, levied by such TPA or FPA shall be directly borne by tendering authority.</p> <p>2. Please confirm whether bidder need to consider the testing charges of TPA and FPA in financial bid. If yes, please provide the name of such TPA and FPA so that bidder can get the quotes from such TPA/FPA and include in their financial bid.</p>	<p>1) Yes 2) No</p>
621	4.7.1 (1)	Section 4	Fibre	<p>Aerial OF Cable (ADSS Cable): 24 pair ADSS on power lines: As per TEC GR No. TEC/GR/TX/OFC-022/02/MAR-17 with latest amendments if any.</p>	<p>As we understand, as per the referred TEC GR no. TEC/GR/TX/OFC-022/02/MAR-17 with latest amendments, there are six different type of cables. Namely :</p> <ol style="list-style-type: none"> 1. Type I (A) 2. Type I (B) 3. Type II (A) 4. Type II (B) 5. Type III (A) 6. Type III (B) <p>However, we understand that the tender demands for Type II (A) as per the geographical region. Please confirm on supplies can be made against Type II (A). Further, in BSNL Corporate tender no. CA/Ent.-Radio/ADSS OF cable/T-562/201 issued on 07th October 2016, Type II (A) OFC was bid and quoted as per the specification given in tender.</p>	<p>Please refer TEC GR : GR/OFC03/03.JUN.2005 or latest</p>
622	4.7.1.20	Section 4	Fibre	<p>OFC: 96/48 Pair metal free ribbon type OFC: As taken from BSNL Tender No. : Tender Enquiry No.: CA/Ent.-CNP/OFC/T-553/2016 issued on 24-June-2016. Note: Draft GR GENERIC REQUIREMENTS NO. TEC/GR/OFC-23/01/XXX- 2011 (under finalization in TEC, finalized GR and its latest amendment, thereof, will be considered).</p>	<p>1. There is some ambiguity in specifications of 48F OFC. Please note that the said BSNL tender no. CA/Ent.-CNP/OFC/T-553/2016 issued on 24-June-2016 was asked for supply of 48F Metal free Optical Fibre Cable with double HDPE Sheath (G.652D Fiber), However, this instant tender is asked for 48F ribbon OFC. Please see and revise the same.</p> <p>2. Please note that there are various tenders being floated by BSNL/BBNL/State Government for BBNL Ph-2. As per the OFC specifications mentioned in other tenders, it has been asked that 48F/96F ribbon OFC with 6F ribbon in each tube. However, we understand that the instant tender is asking 12F ribbon in each tube of 48F/96F ribbon cable. Please understand that it is quite difficult get TSEC approval every time and against each and every specifications. We request you to kindly accept the 6F ribbon in each tube of 48F & 96F OFC. Kindly confirm.</p>	<p>Please refer revised RFP</p>
623	4.7.1 Note	Section 4	Fibre	<p>2. 96F Cable: Cable should have 8 ribbons of 12 fibres each.</p> <p>3. 48F Cable: Cable should have 4 ribbons of 12 fibres each.</p>	<p>We request the tendering authority to kindly keep the Ribbon OFC design as followed by BBNL Tender : BBNL/MM/2017/PIA for BharatNet Phase-II/PB & BH/004 issued on 15/12/2017 and BSNL Tender : CA/MMT/NOFN/Selection of PIA/T-610/2017 issued on 29/12/2017</p> <p>96F Cable : Cable should have 4 tubes and 1 Filler, 4 ribbon per tube, 6 fibers per ribbon 48F Cable : Cable should have 4 tubes and 1 Filler, 2 ribbon per tube, 6 fibers per ribbon</p>	<p>Please refer revised RFP</p>

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
624	5.1	Secion 5		Schedule of Requirements	<p>We request the tendering authority to provide the tentative/indicative Schedule of Requirements against this tender, so as to allow the bidder to quote in an efficient manner.</p> <p>The same strategy has been incorporated by BBNL Tender : BBNL/MM/2017/PIA for BharatNet Phase-II/PB & BH/004 issued on 15/12/2017 and BSNL Tender : CA/MMT/NOFN/Selection of PIA/T-610/2017 issued on 29/12/2017</p>	RFP Clause remains unchanged.
625	5.11	Secion 5		Financial Bid	<p>We request the tendering authority to provide the tentative/indicative Schedule of Requirements in a detailed manner against this tender, so as to allow the bidder to quote in an efficient manner.</p> <p>The same strategy has been incorporated by BBNL Tender : BBNL/MM/2017/PIA for BharatNet Phase-II/PB & BH/004 issued on 15/12/2017 and BSNL Tender : CA/MMT/NOFN/Selection of PIA/T-610/2017 issued on 29/12/2017</p>	RFP Clause remains unchanged.
626	Page 165, Point 2			Allow workflows to be re-routed and /or triggered based on external events and data inputs for other systems.	Could you please provide example relating to this.	As per RFP
627				Project Managemet tool will be outside the scope of ERP	Let us know if Project management tool is to be part of ERP?	Both of them are separate
628			Software	GIS / NMS is outside the scope of ERP/Mobile/Web Portal for which we are providing solution		As per RFP
629				RFID	<p>kindly find the attachment of letter for requesting change of RFID MARKERS TO PASSIVE MARKERS.</p> <p>With reference to the tender bharat net phase-II, we are herewith bringing to your kind attention, in the SOR you have mentioned electronic route indicator , ball type with RFID. Whereas we RFID markers are not practically feasible as these RFID markers generally do not work after 7-8 years period present in Indian field conditions.</p> <p>Further the price for RFID markers is four times expensive than passive electronic marker and even locator cost of the RFID locator cost is double price of the regular marker locator price.</p> <p>RFID MARKER IS A PROPERITORY ITEM OF 3M COMPANY AND NOBODY IS MANUFACTURING RFID MARKERS IN INDIA AND AS PER CVC GUIDELINES.</p> <p>NO PROPERITORY ITEM SHALL BE CALLED IN ANY TENDER OF CENTRAL & STATE GOVERNMENT ORGANISATIONS/DEPARTMENT.</p> <p>Further in all central government project- tenders like NFS,ASCON, NAVY tenders and also in Bharatnet Phase-II, tender called by BSNL corporate office, New Delhi.</p> <p>The normal passive electronic route marker(without RFID) have been asked in the SOR. We have supplied more than 3 Lacs passive electronic route marker(without RFID) for NFS project in the last 2 years.</p> <p>Hence we request you to change the RFID markers to normal passive electronic route marker(without RFID) in your tender also.</p>	"Electronic Route Marker" stands removed. However, the distance between two Cement Route Markers must be 200 Meters.
630	3.27 Payment Schedule: Payment Schedule for GP Installations Page 64	Section III: General Conditions of the Contract and Service Level Agreement	Payment	Payment Schedule for GP Installations	Only 10% paymnet is released as mobilization advance after which payment will be released on commissioning of GPs only, kindly consider to release some payment on delivery of material at GPs.	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
631	4.3.1.2 Network Design Criteria: Gram Panchayat (GP) Locations: Point no: 4, Page 115	Section IV: Scope of Work	UPS	PIA will also install UPS at GP with minimum power backup of 2 Hrs.	Kinfly provide detailed technical specifications of UPS at Blocks and GPs	Please refer revised RFP
632			Software	Point E	Request you to clarify on your purpose open-source licenses - Open source licenses are licenses that comply with the Open Source Definition — in brief, they allow software to be freely used, modified, and shared. You need just to freely use like without any license cap, or you want to modify by hiring additional man power in future or you will share it to third-party company in order to modify?	Please refer revised RFP
633			Software	Point E	In case of modification on source code how will to protect the OEM's interest and intellectual property built with in source code - How the issues around intellectual property rights, patent law will be addressed?	Please refer revised RFP
634			Software	Point E	By requesting open-source software, please clarify whether you are not looking for GPL license. This license, commonly known as the GPL, has two versions that are actively and widely used in many open source communities: 1. GNU General Public License, version 2 (SPDX short identifier: GPL-2.0) 2. GNU General Public License, version 3 (SPDX short identifier: GPL-3.0) In this case, even if you are not the original licensor of the GPL version 2 software, you can "follow the terms and conditions" of GPL version 3 instead. This is not commonly done. Please clarify that you are not looking for GPL license based software	Proposed solution by bidder must meet defined functional scope in RFP.
635			Software	Point E	Please clarify if the OEM is ready to provide unlimited license and support for customization based on defined hourly charges - Open-source term is void then? OEM may submit undertaking for same. If the perpose of the source code is customization then there are higher chances of getting it done with your expection with OEM's man power rather than depending on third-party company. This will eliminate issues around intellectual property rights and patent law.	Please refer revised RFP
636	2.28 10	Section II	Bid Process	The Sole Bidder or Lead Bidder through its consortium partner should comply with Preferential Market Access (PMA) guidelines notified by DoT and all its clarifications/amendments applicable on this RFP.	We request to provide the how much value addition we need to do in India under PMA guidelines. We are having complete software R&D and SMT (EMS) functionality. Will it fulfill the guideless.	As per Department of Telecommunication/GoI guidelines
637	3.19	Section III	NMS	NMS Software form C-DoT and Project Management Software will be procured for PIA to implement the same with respective OEM agency. The PIA must also ensure availability of RoW Manager capability on the website.	We need detailed information on NMS provided by CDOT to check the integration possibilities.	Please refer Corrigendum RFP.
638	4.3.1.2 (3)	Section IV	Network Design	Each OLT will have Total 32 ports. Of 32 ports, 16 PON ports will be there on LT cards (line cards towards ONT side) and 16 Network connectivity [(4 * 10G) + (4 * 1G)] ports will be there on 2 redundant NT cards (Network cards towards backend Network).	Our each GPON Card have 8 x GPON Ports and 8 x 1G Uplink Ports and one uplink card have 8 x 10G Ports. (1) So with configuration 2 x GPON Cards will have 16 x GPON Ports and 16 x 1G Uplink ports (SFP based) and addition of 1 x Uplink Card will have 8 x 10G uplink ports. please suggest if this is okey to fulfill the clause or we need to add 2 x uplink ports that will have 16 x 10G Ports. please confirm,	As per Revised RFP

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
639	4.3.1.2 (3)	Section IV	Network Design	Gram Panchayat (GP) Locations: Each ONT will have 1 PON port and minimum 8 Ethernet ports (1000BaseT).	(1) 8 Port GPON MDU is not running product and understood that MDU also have some technical issues in field deployments. We suggest to make requirement as "Each ONT will have 1 PON port and minimum 4 Ethernet ports (1000BaseT)." or relax to use 2 ONT's, each ONT will have 1 PON port and minimum 4 Ethernet ports (1000BaseT). Please confirm.	As per Revised RFP
640	4.4.3 (1)	Section IV	NMS	The core application of NMS will be provided by GFGNL and will be hosted in the state Data Centre cloud.	Please share NMS details.	Please refer Corrigendum RFP.
641	4.7.1 (18)	Ann A		GPON equipment: As per TEC GR no. GR/PON-01/02 APRIL 2008 with all amendments	TEC issued an new TEC/GR/TX/PON-001/03MAR-17, request you to please consider this new GR against this clause.	As per RFP
642	4.7.1 (19)	Ann A		GPON network: As per TEC GR no. GR/PON-01/02 APRIL 2008 with all amendments	TEC issued an new TEC/GR/TX/PON-001/03MAR-17, request you to please consider this new GR against this clause.	As per RFP
643	4.3.2 Pt. no. (2c)	Sec-IV		Server provisioning: Server (Computing) and Storage for all software applications like NMS along with all other applications such as ERP, Project management tool, web portal mobile, etc. will be provided by GFGNL on state data centre cloud. However required necessary OS licenses, Data base licenses or any other software license required shall be supplied, installed, configured and managed by PIA for entire tenure of the project. The PIA shall be responsible for selection of a server from a pool of available servers provided by GFGNL at SDC as per the sizing for required for each application software. Implementation, configuration and management is under PIA scope of work. Further, loading of the appropriate software (operating system, device drivers, middleware, and applications), appropriately customizing and configuring the system and the software to create or change a boot image for this server, and then change its parameters, such as IP address, IP Gateway to find associated network and storage resources assignment is under PIA scope of work.	Please clarify the following: 2. There will not be DR (Disaster Recovery) site for the state NOC. 3. All third party softwares that is part of the GPON solution shall be licensed versions and not freeware/open-source/shareware. 4. The sizing of the hardware based on the applications like ERP, PMS, Web portal and Mobile etc. would vary from OEM to OEM. - We understand that PIA has to supply the application softwares, and provide the required sizing to GFGNL for deployment - We also understand the PIA shall not consider the costing for application hosting and PIA will be allowed to make changes in H/W sizing post bid based on the best fitted solution.	2) No 3) Please refer Revised RFP 4) PIA to assess storage and compute requirements and dimension the hardware accordingly; (dimensioning must be done to include requirements for both package A (Rest of Gujarat) and Package B – (Saurashtra). PIA needs to intimate the compute requirement to GFGNL before deployment (i.e Cores, RAM and storage). The compute will be provided on GoG's State Data Centre. The software should be compatible with the virtualized environment.
644		Sec-III	Network Design	Each OLT will have 1G / 10G optical Ethernet uplink / Network side connectivity from BSNL Network equipment installed at BSNL exchange to start the Network services at Day-0. This connectivity will be provided by BSNL for approximately 6 months, after that period PIA will have to ensure uplink / Network side connectivity through GSWAN (available at TC and DC offices) / any other Network provided by GFGNL.	We understand that the backhaul connectivity at each location shall be provided by GFGNL.	Please refer revised RFP

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
645	4.3.1.2 (GPON) Pt. no. 11	Sec-IV	Network Design	4 Islands of group of districts (as indicated in below figure), through the nearest OLT from Gandhinagar in that island, will be connected with state NOC in Gandhinagar by laying separate 96 core ribbon fibre cable. Such 4 nos. 96 core fibre cables will be laid from 4 islands. Passive patching between this 96F cable and feeder route (the feeder route which is providing 12 core continuity between all OLTs in an island as described in above figure) of nearest OLT will ensure 12 F connectivity to the FTB at NOC center at Gandhinagar for all OLTs in an island.	Since OLT can support maximum 80 km distance. Therefore, DWDM/Metro ethernet/Regenerator may be required in case the distance between nearest OLT to NOC is more than 80km.	Please refer revised RFP
646	3.27	Sec-III	Payment	Payment Schedule for GP Installations	Payment Schedule 1. Payments shall be released only on satisfactory acceptance of the deliverables for each Task as per the following schedule	As per RFP
647	4	Sec- III		Penalties applicable in case of deficiency in Ongoing performance and service levels during Operations & Maintenance Phase	In case of deficiency in Ongoing performance and service levels penalty shall be applied as per below criteria	RFP Clause remains unchanged.
648	4.4	Sec- IV	NOC	4.4 Network Operation Centre	Network Operations Centre (NOC) will be the central location situated in Gandhinagar from where network administrators supervise, monitor, control and maintain the GPON, Active and passive network. NOC will be located in a single premise from where detailed status of the network can be monitored and managed. GFGNL will provide a temporary place in Gandhinagar for NOC setup, however once final location is identified gradually NOC IT and NON-IT resources needs to be transferred at finalized location without adding any additional cost and creating any disruption in services of NOC. Transportation of all furniture would be undertaken by GFGNL at its own cost. However, all IT hardware, software and related accessories would have to be transferred by the PIA at no additional cost to GFGNL. This would be a one-time activity	Yes
649	4.3.1.2 Pt. no. 1 of GP locations	Sec-IV	Network Design	Each ONT will have 1 PON Port and minimum 8 Ethernet Ports (1000 Base T)	All the TSEC certified Vendors of GPON got TSEC for ONT with following interfaces : 1x PON + 4x1G + 2 POTS + 1x802.11 b/g/n ONTs. Hence we request GFGNL to allow PIA to supply 2 nos. of ONT to meet the criteria of 8 Ethernet Ports.	Please refer revised RFP
650	N/A	General	Software	EMS for GPON System	We understand that EMS Hardware which includes the EMS Server & Storage shall be supplied by PIA. The EMS application at the state NOC will be clustered in a 1+1 failover configuration with required storage. Please confirm.	As per RFP

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
651	3 (e)	Sec-I	Software	Project Management Tool, Mobile Application (Project and O&M Phase) and Web Portal shall be Open Source only, for the entire duration of this contract. NMS and GIS (NIS) may be licensed product for the Project Execution phase. However, the same has to be compulsorily developed on Open source for the O&M Phase. The PIA will have to completely migrate all data from licensed product to Open source platform. ERP can be Licensed or open source for the entire duration of contract.	Open source software meeting the requirement of the tender for GIS and NMS is difficult as Open forums for such applications donot provide software suiting the requirements of the current tender. Use of licensed based GIS and NMS during execution phase and migration to open source based application will require huge development efforts and cost. Since this will involve development activity, acheiving the desired outcome in short time span of 1 year for porting the entire operational data to the new platform will be extremely difficult. Carrying out development work along with project execution is difficult in view of no such platform being readily made available by the industry. Also as the applications will be open source based their support and maintenance post expiry of O & M period will be a challenge. Maintaining the operational SLA's with a tool being developed on open source will be extremely difficult. In view of the difficulty and impractibility of the development of the opensource platform for the applications envisaged in the current tender in short time is very difficult, therefore we request you to please allow the software applications on licensed platform.	RFP Clause remains unchanged.
652	Annexure 5.1 Pkg A	Section V	UPS	C Supply - Active Infrastructure 5 - UPS at GPs. 6 - UPS at Blocks	Please clarify following: 1. Please provide specifications and load to be considered of UPS at Gram Panchayat and Block. 2. UPS battery backup would be designed for connected load.	Please refer revised RFP
653	Annexure 5.1 Pkg B	Sec-V	UPS	C Supply - Active Infrastructure 5 - UPS at GPs. 6 - UPS at Blocks	Please clarify following: 1. Please provide specifications and load to be considered of UPS at Gram Panchayat and Block. 2. UPS battery backup would be designed for connected load.	Please refer revised RFP
654	4.4.6.2 (RFMS)	Sec-IV	Fibre	Table 6. PON monitoring - Should be able to test live Passive Optical Network (PON) for any split ratio.	Out of the total number of fiber cores, please confirm the quantity of live fibers and dark fibers to be monitored separately at each block.	The number of fibers to be monitored live : One No. per OFC
655	Annexure 5.1 Pkg A	Sec-V	Fibre	A Supply - Passive Infrastructure (Underground Cable) (As per technical specifications given in Annexure-A TEC GR No.) 10 - Electronic Route Indicators	Please confirm following: 1. The quantity and type of route indicator to be placed per kilometre. 2. In addition to no. 1 (above) which other locations are to be covered with Electronic Route Indicator eg. loop chamber, joint chamber etc. 3. The quantity of electronic route indicator locator to be provided, it may be in terms of 1 locator/ 150 KM or as the purchased deem fit.	"Electronic Route Marker" stands removed. However, the distance between two Cement Route Markers must be 200 Meters.
656	Annexure 5.1 Pkg B	Sec-V	Fibre	A Supply - Passive Infrastructure (Underground Cable) (As per technical specifications given in Annexure-A TEC GR No.) 10 - Electronic Route Indicators	Please confirm following: 1. The quantity and type of route indicator to be placed per kilometer. 2. In addition to no. 1 (above) which other locations are to be covered with Electronic Route Indicator eg. loop chamber, joint chamber etc. 3. The quantity of electronic route indicator locator to be provided, it may be in terms of 1 locator/ 150 KM or as the purchased deem fit.	"Electronic Route Marker" stands removed. However, the distance between two Cement Route Markers must be 200 Meters.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
657	4.7	Sec-IV	UPS	1. The Integrated SMPS Power Supply shall be as per TEC GR No. TEC/GR/TX/HPS-001/01/March-17 with following features.	As per our recent experiences in BSNL NOFN tenders, no OEM name is listed in TEC approved vendor list for this product. Hence no OEM has TSEC approved product as required in this tender. We therefore request you to delete the requirement of TEC GR for SMPS..	Integrated SMPS power supply stands removed.
658	4.7	Sec-IV	UPS	Note : SMPS for GP locations shall be of 12 volt (DC) with 2 Hrs battery back-up.	Please clarify the requirement of SMPS at GP. UPS is already asked in SOR for GP locations to power UP ONT. We therefore request you to delete this clause from tender.	Integrated SMPS power supply stands removed. Further, UPS of 1 KVA capacity to be provided at GP locations with 2 hrs battery backup."
659	4.4.5	Sec-IV	NOC	Following sub sections list down minimum requirement of functional and technical specification for components required for setting up NOC. These includes Civil works, Electrical and data cabling works, HVAC, Video Wall, Staff support system and other IT & Non-IT components.	Please confirm following: 1. Area of NOC (in sqft) 2. NOC building will be provided by GFGNL. 3. Minor civil work will be done by PIA considering equipment installations only.	Please refer revised RFP
660	Indicative Summary of NOC IT & Non IT Infrastructure Sr. No. 1-	Sec-IV	NOC	Staff Seating Space - Seating space for NOC staff	Please provide count of NOC staff for seating arrangement.	Please refer revised RFP
661	Indicative Summary of NOC IT & Non IT Infrastructure Sr. No. 1-	Sec-IV	NOC	HVAC - HVAC (Precision ACs for Server room) Equipment, Insulated Chilled Water Piping Work, Air Distribution System, Insulation Work	Please clarify who will be responsible for providing air conditioning at locations other than Server Room.	Please refer revised RFP
662	Indicative Summary of NOC IT & Non IT Infrastructure Sr. No. 6 -Non -IT infrastructure	Sec-IV	NOC	Fixtures and Furniture Fixtures and Furniture for Server/Telecom room and Network Operations Centre (Video Wall Room)	Please clarify who will be responsible for providing Fixtures and Furnitures for areas (Conference room, manager cabin, help desk) other than Server Room and NOC Room.	Please refer revised RFP
663	Indicative Summary of NOC IT & Non IT Infrastructure General	Sec-IV	UPS	DG Power BackUp	Please confirm that DG backup would be required or not. If yes then please add in SOR.	No DG is required
664	4.3 Scope of Work Item 11	Sec-IV		PoP at Block shall be established at respective BSNL exchange for which power & other site requirements shall be provided by BSNL. BSNL will give a tapping point for electricity with 15 A plug from where arrangement of necessary cable, MCB, plug point etc will be scope of PIA along with the requisite onsite co-ordination. The raw power & other site requirements at Gram Panchayat shall be provided by State government. It would be the responsibility of PIA to carry out site survey to understand the level of preparedness in all respect. In cases, where the ONT has to be installed and does not have appropriate plug points/ wiring, the PIA shall draw the electrical wiring from the nearest junction box to the ONT/ Rack (with requisite plug points etc.) at no extra cost to State/SIA. It is clarified that if the GP does not have electricity connection, then the electricity connection will be obtained and provided by the state government. From existing connection from the switch board to the place where ONT and FTB is set up, the cost of wiring and appropriate electric devices will be borne by the PIA and is part of current scope.	We understood that PIA will not be responsible for supplying SMPS. BSNL will provide 15A DC power point to power up OLT at Blocks and necessary wiring will be done by PIA. In case if power required will be more than 15A (48VDC), same will be provided by BSNL.Please confirm.	Integrated SMPS power supply stands removed. Further, UPS of 1 KVA capacity to be provided at GP locations with 2 hrs battery backup."

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
665	4.4.5.6 Online UPS	Sec-IV		Table 3.Certifications - UPS should meet CE, BIS and ROHS standards (Compliance to be submitted)	As per industry standards, BIS certificate is only required for UPS below 5 KVA ratings. We therefore request you to delete BIS requirement from the tender.	Please refer revised RFP
666	4.4.5.6 Online UPS	Sec-IV		Table 4.Input Voltage Range -160-280 VAC @ 100% load, Single Phase	The UPS required at NOC is of higher capacity. Hence we propose input voltage range from 300 VAC to 440 VAC (+ or - 15%) with 3 phase.	Please refer revised RFP
667	4.4.5.6 Online UPS	Sec-IV	UPS	Online UPS	Please clarify that UPS required at NOC will be in 1+1 configuration or stand alone.	Only NOC UPS should be in 1+1 configuration
668	4.7 Annexure A	Section IV		4.7.1 Technical specifications as per TEC GR 16. BATTERY: As per TEC GR NO. GR/TX/BAT-001/04/068 JUL 2016 dated 29.07.2016 (with latest amendment)	As per LIST OF TEC APPROVED VENDORS FOR DIFFERENT PRODUCTS (As on 01/02/2018), issued by BSNL QA , there are no approved vendor for VRLA battery as per specified TEC GR. Please remove requirement of TEC GR for Battery, instead Please confirm "VRLA Batteries can be supplied"	As per BSNL/Industry practice, subject to meeting functionality, desirability and quality
669	4.7 Annexure A	Section IV		4.7.1 Technical specifications as per TEC GR 17. PATCH CORD: As per TEC GR no. TEC/GR/TX/OFJ-01/05/Nov-09, with latest amendments if any.	As per LIST OF APPROVED VENDORS FOR DIFFERENT PRODUCTS (As on 01/02/2018), issued by BSNL QA , there are no approved vendor for Patch Cord as per specified TEC GR. However this product is available with CACT approval. We therefore request you to delete the TEC GR requirement from the tender and allow bidders to supply patch chords and pigtails from CACT approved sources.	As per BSNL/Industry practice, subject to meeting functionality, desirability and quality
670	4.4	Section IV	NOC	Network Operation Centre 1. Network Operations Centre (NOC) will be the central location situated in Gandhinagar from where network administrators supervise, monitor, control and maintain the GPON, Active and passive network. NOC will be located in a single premise from where detailed status of the network can be monitored and managed. GFGNL will provide a temporary place in Gandhinagar for NOC setup, however once final location is identified gradually NOC IT and NON-IT resources needs to be transferred at finalized location without adding any additional cost and creating any disruption in services of NOC. Transportation of all furniture would be undertaken by GFGNL at its own cost. However, all IT hardware, software and related accessories would have to be transferred by the PIA at no additional cost to GFGNL. This would be a one-time activity.	We understood that GFGNL will provide a temporary location for NOC and it will be shifted with all IT & Non-IT equipments to finalized location. There are few items which PIA will not be able to shift like. AC ducting, electrical cabling, DG foundation (if provided by PIA), fixtures, cabin building material etc. All such items which become non transferrable after installation will be required to be refurbished at the new location and therefore will involve costs. There could be a possibility of a bidder missing out on inclusion of such costs in their bid. Thus leading to a lower cost bid with incomplete coverage of requirements. It is therefore we suggest shifting of NOC to be added as an SOR item for providing level playing field.	Please refer 4.4) 1

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
671	4.4	Section IV	NOC	<p>Network Operation Centre</p> <p>1. Network Operations Centre (NOC) will be the central location situated in Gandhinagar from where network administrators supervise, monitor, control and maintain the GPON, Active and passive network. NOC will be located in a single premise from where detailed status of the network can be monitored and managed. GFGNL will provide a temporary place in Gandhinagar for NOC setup, however once final location is identified gradually NOC IT and NON-IT resources needs to be transferred at finalized location without adding any additional cost and creating any disruption in services of NOC.</p> <p>Transportation of all furniture would be undertaken by GFGNL at its own cost. However, all IT hardware, software and related accessories would have to be transferred by the PIA at no additional cost to GFGNL. This would be a one-time activity.</p>	<p>We understood that PIA will provide fiber connectivity from all four islands to the temporary NOC. In the event of NOC shifting, such optical connectivity would also need to be relocated.</p> <p>This work involves relaying of optical fiber cable to the new NOC location, termination etc. and will involve substantial costs. In view of ensuring clear definition of the requirement and providing level playing field, it is suggested that requirement may be added in the SOR.</p>	<p>The PIA needs to provision connectivity from all four islands to the State Data Center, Gandhinagar.</p> <p>GFGNL will provide connectivity from SDC to State NOC, during the course of project.</p>
672	Clause 4	Annexure A		<p>FTB: As per GR No. TEC/GR/TX/FTB-02/02/APR-2010 – Type – II, with latest amendments if any.</p>	<p>It has been mentioned that FTB should be as per GR No. TEC/GR/TX/FTB-02/02/APR-2010 – Type – II, with latest amendments if any.</p> <p>The wall mount FTB as per GR is only for upto 24F, here the requirement is 48F and 96F.</p> <p>The FDMS closure suitable for high count ribbon fiber has been specified in FDMS Indoor GP specifications covered in Bharat net tender CA/MMT/NOFN/Selection of PIA/T-610/2017. Similar racks has been covered in 05/CEO/CHiPS/MSI/BHARATNET/2018 & BBNL/MM/2017/PIA</p> <p>Kindly advise whether the supplies can be done against the specifications mentioned in these tenders.</p>	<p>Refer revised RFP</p>
673	Schedule of Requirements (SOR) for Package A	Annexure 5.1		<p>B. Supply Passive Infrastructure (Aerial Cable)</p> <p>1. ADSS Optical fibre Cable 24 core ribbon</p>	<p>As per our understanding, There is no TEC GR available for 24 Core Ribbon ADSS Optical Fiber cable.</p>	<p>To be read as "ADSS Optical fibre Cable 24 core". Word "Ribbon" removed in this clause.</p>

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
674	Eligibility Criteria:Note 1	2.28		<p>Note 1: All the tender items e.g. GPON OLT, ONT, OFC, Splitters, Batteries, and Charging Control Unit should have valid Type Approval Certificate (TAC) from Telecom Engineering Centre (TEC), New Delhi or Technical Specification Evaluation Certificate (TSEC) from Quality Assurance Circle, BSNL, Bengaluru, against the respective technical specifications of this RFP. In case any of the quoted models does not have TAC/ TSEC then it should be applied for TSEC to Quality Assurance Circle, BSNL, Bengaluru or to TEC, New Delhi for the model against the technical specifications, at least one day before the bid submission date. The registration number allotted for the TSEC purpose by Quality Assurance Circle, BSNL, Bengaluru or for TAC purpose by TEC, New Delhi shall be submitted along with the bid. However, only type approved products as per above specifications shall be accepted which shall have to be obtained before issuing Work Order by the Tenderer. The TSEC obtained by the OEMs of bidders for the various tenders floated by BBNL/BSNL in the last two years shall be acceptable for the items which are part of this RFP provided that the technical specifications remains unchanged. In case of OFC, any change in the source of raw material shall be subject to fresh TSEC process of QA.</p>	<p>Request to amend the TSEC Clauses for OFC as under on lines of other BSNL/ BBNL tenders.</p> <p>For 48F and 96F Ribbon OFC Bidder who has obtained TSEC / QF103 for any size of ribbon OFC against GR/OFC-05/02 MAR.2006 or any size of ribbon cable against any of BSNL / BBNL tenders for ribbon OFC issued during last 3 years is eligible to bid / participate as bidder or issue MAF for all sizes. But for supply he shall obtain valid TSEC for all sizes of specified OFC.</p> <p>For 24F ADSS OFC Bidder shall have TSEC / QF 103 FOR Any Size / type of ADSS OFC But for supply bidder shall obtain valid TSEC for all sizes of specified OFC.</p>	Please refer revised RFP
675	Schedule of Requirements (SOR) for Package A	Annexure 5.1		<p>A. Supply Passive Infrastructure (Underground Cable) (As per technical specification given in Annexure A TEC GR No. Optical fibre Cable 96 core (Ribbon) Optical fibre Cable 48 core (Ribbon)</p>	<p>TEC GR No. is not provided for 96 Core(Ribbon)Optical Fibre Cable and 48 Core Optical Fiber Cable. Please specify the TEC GR against which the cable is to be supplied</p>	Please refer revised RFP
676	2.28(3)(10)	II		<p>The Sole Bidder or Lead Bidder through its consortium partner should comply with Preferential Market Access (PMA) guidelines notified by DoT and all its clarifications/amendments applicable on this RFP.</p>	<p>The clause may be modified and read as follows:- The Sole Bidder or Lead Bidder through its OEM partners should comply with Preferential Market Access (PMA) guidelines notified by DoT and all its clarifications/amendments applicable on this RFP.</p>	RFP Clause remains unchanged.
677		3-d		<p>Design & Planning, procurement and implementation of NMS, RFMS, Project Management Tool, GIS, Mobile Application for Project & O&M Phase, Website/Web Portal, ERP. It is bidder of package A's responsibility to supply, install, test, commission and maintain required OS and Database.</p>	<p>PIA provided OS should be Windows and Database should be industry standard.</p>	<p>PIA to identify OS and Database requirements as per the Applications required in this project.</p>

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
678		3-e		<p>Project Management Tool, Mobile Application (Project and O&M Phase) and Web Portal shall be Open Source only, for the entire duration of this contract.</p> <p>NMS and GIS (NIS) may be licensed product for the Project Execution phase.</p> <p>However, the same has to be compulsorily developed on Open source for the O&M Phase.</p> <p>The PIA will have to completely migrate all data from licensed product to Open source platform.</p> <p>ERP can be Licensed or open source for the entire duration of contract.</p>	<p>The open source application may not reliable for large size projects.</p> <p>As per our experience in similar project, GIS and other COTS package including ERP are required for development and processing of all data.</p> <p>GIS and other C-OTS package including ERP and advanced modules cannot be migrated /ported to open source.</p> <p>So many functionalities of COTS package cannot be migrated /ported in Open source.</p> <p>Required licenses can be made available as a site license from OEM (including one time cost) for Operation and Maintenance phase both.</p>	Please refer revised RFP
679	1.2	5.6		<p>The ERP solution should seamlessly integrate with other system like ePayment, etc. to enable complete view of necessary information.</p> <p>2. The PIA should consider an indicative license count of 200. Excess licenses required during roll-out would be the responsibility of the PIA</p>	<p>1) Department will provide ePayment system to PIA. Department should also clarify all other point of integration with proposed system.</p> <p>2) What is the expected user base for the proposed system (for each of the sub-systems within it)? Please clarify and indicate the numbers.</p>	Please refer revised RFP
680	3.6	4.3.1		<p>. Provision, development of and supplying, installation commissioning of all software / applications for the following functionalities (PIA will have to provide source code to State/SIA for Web portal and Mobile app</p> <ul style="list-style-type: none"> i. ERP (Finance/Billing, CRM, Asset Management, HRMS/Work force management) ii. Web portal iii. Mobile app iv. NMS including <ul style="list-style-type: none"> a. GIS based dashboard for OFC and components monitoring b. Fibre monitoring system v. Project Management tool including workflow management with GIS tracking 	<p>PIA should supply Customization source code only.</p>	Please refer revised RFP
681	19	Package A (Rest of Gujarat) consists of: Point no 3.e		<p>Request you to clarify on your purpose open-source licenses - Open source licenses are licenses that comply with the Open Source Definition — in brief, they allow software to be freely used, modified, and shared. You need just to freely use like without any license cap, or you want to modify by hiring additional man power in future or you will share it to third-party company in order to modify?</p>	<p>Request you to clarify on your purpose open-source licenses</p>	Please refer revised RFP
682				<p>In case of modification on source code how will to protect the OEM's interest and intellectual property built with in source code - How the issues around intellectual property rights, patent law will be addressed?</p>	<p>Request you to clarify on your purpose open-source licenses</p>	Please refer revised RFP

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
683				By requesting open-source software, please clarify whether you are not looking for GPL license. This license, commonly known as the GPL, has two versions that are actively and widely used in many open source communities: 1. GNU General Public License, version 2 (SPDX short identifier: GPL-2.0) 2. GNU General Public License, version 3 (SPDX short identifier: GPL-3.0) In this case, even if you are not the original licensor of the GPL version 2 software, you can "follow the terms and conditions" of GPL version 3 instead. This is not commonly done. Please clarify that you are not looking for GPL license based software	Request you to clarify on your purpose open-source licenses	Please refer revised RFP
684				Please clarify if the OEM is ready to provide unlimited license and support for customization based on defined hourly charges - Open-source term is void then? OEM may submit undertaking for same. If the purpose of the source code is customization then there are higher chances of getting it done with your expectation with OEM's man power rather than depending on third-party company. This will eliminate issues around intellectual property rights and patent law.	Request you to clarify on your purpose open-source licenses	Please refer revised RFP
685		2.12 (Page No.29)		2.12 Earnest Money Deposit (EMD) 1. The Bidder shall furnish, as part of its bid, an Earnest Money Deposit (EMD) of the amount INR 15,00,00,000/- (Rupees Fifteen Crores only) for each package.	EMD is very high as compared to similar other tenders. Request EMD should be capped to 5 Crores for each packages	RFP Clause remains unchanged.
686		2.13 (Page-30)		2. The selected PIA has to submit two separate performance Bank Guarantees- one for the Project implementation phase valid till 100% Go-live of the project/package and the second one for the Operations and Maintenance Phase valid up to 180 days beyond the expiry of the contract. a. 1st Bank Guarantee- Project Implementation Phase: The PIA, within 15 days from the date of receipt of Notification of Award, shall furnish a Bank Guarantee equal to 10% of the CAPEX, valid till 100% go-live of the project/package or 18 months whichever is later. The Performance Bank Guarantee would be released upon submission of PBG for O&M Phase. b. 2nd Bank Guarantee-O&M Phase: The PIA, within 15 days from the date of 100% Go Live, shall furnish a Bank Guarantee equal to 10% of the OPEX value of the project, valid up to 180 days beyond the expiry of contract.	the PIA shall furnish Bank Guarantee to the Purchaser, which should be equal to 5% of the work order value.	RFP Clause remains unchanged.
687		3.32 (Page No.78)		f. Penalty for deviation in delivery timelines / milestone to be achieved will be ceiling capped at 20% of total CAPEX of respective package.	week wise LD should be applicable of undelivered portion only and should be capped at 10% for total capex	RFP Clause remains unchanged.
688		General		RoW Permissions	Demand Notes above Rs. 10 Lakh should be immediately reimbursed by GFGNL on submission of proof of payments and should not be linked to progress or completion.	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
689		General		Hindrances/ Delays not accountable to Vendors	There should be a Hindrance Register available at all the sites which should be duly signed by GFGNL/TPA approved for delays encountered due to RoW permissions or other unforeseen circumstances and these delays should be taken into account for Extension of Time and levy of LD's	RFP Clause remains unchanged.
690		3.18 (Page No.57)		Warranty	The On Site Warranty of the Items will be valid only for a period of One year and will not be applicable for the entire duration of the contract.	RFP Clause remains unchanged.
691		3.18 (Page No.57)		Warranty	During warranty period there will be cost for Fibre damage due to Third Party Damage/ Civil Authorities/ Landslide/ Flood etc. These damages are not on account of Vendor and cost of such repairs should be borne by Purchaser.	RFP Clause remains unchanged.
692		3.20 (Page No.61)		Liquidated Damages	If the Route delays due to non availability of RoW because of Govt. authorities (Forest Dept., Railways, NHA), etc.)/ Climatic conditions then Time extension should be given without any financial implication. Pls confirm	RFP Clause remains unchanged.
693		5.5 (Page No.278)		6. Turnover considered would be a consolidated turnover of the company i.e. A parent Company can use the turnover of its child company (100% subsidiary of parent) but a child company cannot use parent company's turnover.	As per Government of india Ministry of Finance (Department of Revenue) Notification No.31/2017-Central Tax (rate) dated -13th oct 2017,Turnover considered would be a consolidated turnover of the company i.e. a parent company can use the turnover of its child company (90% subsidiary of parent) Please consider . (Notification attached.)	RFP Clause remains unchanged.
694		Annexure 5.19 – Priced BOQ Format (Page No.316)		Annexure 5.19 – Priced BOQ Format	Quantity not mentioned in BOQ, Pls provide	This is an EPC contract
695		Page No.16		b. The Bidders of both the packages are expected to conduct a comprehensive site survey before bidding to arrive at the actual route lengths, BoQ and other components efficiently and effectively.	Practically not feasible to conduct survey on field, Please delete this clause.	RFP Clause remains unchanged.
696		3.27 (Page No.64)		3.27 Payment Schedule		RFP Clause remains unchanged.
697	2.28	Section II: General Instruction to Bidders		The Sole Bidder or Lead Bidder in case of a consortium should have experience of Laying, Installation, Testing and Commissioning of Optical Fibre Cable (Underground or Aerial), Duct and accessories as mentioned below in last 3 years as on bid submission date: Package A: 5100 kms Package B: 4900 kms	Since this project requirement is implementing of OFC 95% Underground and 5% Aerial of total scope of works. Hence, we request you to modify the clause as below; The Sole Bidder or Lead Bidder in case of a consortium should have experience of Laying, Installation, Testing and Commissioning of Underground Optical Fibre Cable (Underground or Aerial), Duct and accessories as mentioned below in last 3 years as on bid submission date:	RFP Clause remains unchanged.
698	2.28	Section II: General Instruction to Bidders		The Sole Bidder or Lead Bidder in case of consortium: Work Completion Certificate (partial or full – not less than specified Kms in this clause in case of partial) clearly highlighting the scope of work/ Bill of Material in terms of quantity of work executed with the supporting documents such as Work order/Purchase order / Contract.	We understand that Client work completion certificate, work order / Purchase order / Contract agreement are mandatory documents. But In case bidder will provide self-certification, for which Underground or Aerial work would have been done for own purpose within campus or other areas. The same should not be considered. please confirm.	RFP Clause remains unchanged.
699	3.3(ii)	Section 3		Sub-contracting: There shall be only one level of sub-contracting i.e. the sub-contractor appointed by the PIA shall directly execute the work without further sub-contracting it	Restrictive right for involvement of further subcontracting if this can be limited to two or three will be more clear.	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
700	4.6.1 Page no 172	Section IV: Scope of Work		However, the PIA has to provide minimum 2 member's team per district for ROW applications and follow-ups and a dedicated ROW coordinator to act as a SPOC for GFGNL.	We consider that there should not be any requirement of ROW coordinator and ROW team in O&M phase	RFP Clause remains unchanged.
701	4 5 Page no 84	Section III: General Conditions of the Contract and Service Level Agreement		Maximum penalty ceiling shall be 20% of Quarterly OPEX Value.	Maximum penalty ceiling shall be 10% (Max) of Quarterly OPEX Value.	RFP Clause remains unchanged.
702	4 10 Page no 84	Section III: General Conditions of the Contract and Service Level Agreement		12 Hours of downtime per software per quarter is permissible for all software scheduled maintenance and 2 hour of downtime per device per quarter at GP level is permissible.	We understand that 12 hours of downtime per quarter is permissible for every software's scheduled maintenance	RFP Clause remains unchanged.
703	4 11 Page no 84	Section III: General Conditions of the Contract and Service Level Agreement		Following will not be considered for downtime calculation a. Link down due to power failure and ONT (Optical Network Terminal) switch off at Gram Panchayats.(GPs) b. Schedule maintenance by vendor with prior information to GFGNL	Considering that schedule maintenance timeline is over and above 2 hour of downtime permissible per GP level.	RFP Clause remains unchanged.
704	4 1, 9, 12 Page no 84	Section III: General Conditions of the Contract and Service Level Agreement		1. For the Calculation of SLA's , the Block shall be taken as Unit. 9. Per village OPEX will be total OPEX divided by number of villages. 12. The payment shall be made on quarterly basis. For the Calculation of SLA's, the Block Shall be taken as Unit.	These clauses are contradictory. SLA calculation should be on the basis of GP as a unit	RFP Clause remains unchanged.
705	4, Table 3.8 Page no 83	Section III: General Conditions of the Contract and Service Level Agreement		>= 99% ----- No Penalty	It should be changed to >=95% ----- no Penalty Subsequently, other measures of table 3.8 should change	RFP Clause remains unchanged.
706	4.4.6.1.3 5) Page no 148	Section IV: Scope of Work		The minimum set of reports required are as given below. GFGNL may request such reports at any time irrespective of a predefined scheduled. Moreover, any new report may be requested by GFGNL during the tenure of the contract.	Any new report may be requested by GFGNL during the tenure of the contract under change management.	RFP Clause remains unchanged.
707	4.4.5.6 26 Page no 140	Section IV: Scope of Work		The successful bidder has to replace the UPS battery every 2 years for uninterrupted and smooth operations. OEM should confirm battery replacement in UPS at the end of 2nd year, 4th year and 6th year respectively.	The successful bidder has to replace the UPS Battery on the basis of health condition of the batteries.	RFP Clause remains unchanged.
708	4.4.6.1.1 g) Page no 147	Section IV: Scope of Work		iv. Location based reports	Need more clarity on this.	RFP Clause remains unchanged.
709	4.6.3 Page no 173	Section IV: Scope of Work		Except the categories of O&M personnel listed under "field resources- sub section "B" of the above table all other remaining O&M resources deployed by the bidder should be on the bidders' payroll. The bidder may outsource the deployment of personnel listed above.	Need more clarification on "Except the categories of O&M personnel listed under "field resources- sub section "B" of the above table "	RFP Clause remains unchanged.
710	Table 3.4 Page no 69	Section III: General Conditions of the Contract and Service Level Agreement		T+24 Months Post successful go-live of NOC components, remaining 20% of NOC & software components payment shall be paid with OPEX distributed equally across four quarterly invoices.	This clause should be deleted and 20% of NOC & software payment shall be paid before the start of O&M / at the time of GO Live.	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
711	4.3.3 Page no 123	Section IV: Scope of Work		After commissioning, the maintenance of the network as per the Service Level Agreement (SLA) shall be carried out for a period of 7 years from the date of 100% Go-live. However till that time, block declared as Go-live will be under extended O&M period and will be paid on pro-rata basis. The O&M paid to the PIA up to the overall go-live will be limited to 50% of the year 1 O&M apportioned to individual GPs. The apportionment to individual GPs will be calculated as – Year 1 O&M for respective package / number of GPs in the respective package. A block will be declared as Go-live once all the GPs & Exchanges of that particular block are lit.	Block declared as GO Live should come under O&M period and payment will be done as per O&M payment clause.	RFP Clause remains unchanged.
712	3.14 1 Page no 55	Section III: General Conditions of the Contract and Service Level Agreement		The Tenderer shall own the services and items supplied by the PIA arising out of or in connection with this Contract only after the date of 100% Go-Live. In case of theft/physical damage (Repair not possible -RNP) to the Network components / equipment, the equipment shall be replaced on PIA's cost till full 100% Go-live and at Tenderer's cost after full 100% Go-live.	1. 100% GO Live should be replaced by respective GP/Taluka Go Live 2. In case of already Live GP's, risk transferred should be shift to purchaser irrespective of 100% Go Live	RFP Clause remains unchanged.
713	4.3.3.2 9 Page no 124	Section IV: Scope of Work		PIA will be responsible to maintain this stock as and when it is consumed in O&M activities. OFC – 2% of total installed in Taluka Duct – 1% of total installed in Taluka OLT – 1 no. per District ONT – 10% of total installed in Taluka Splitters – 5% of total installed in Taluka Joint closures – 10% of total installed in Taluka Patch cords – 5% of total installed in Taluka	Clause should be like, "PIA will be responsible to maintain the stock to comprehensively adhere the SLA". Like, 2% of total installed OFC will be huge in quantity and will be difficult to keep in the warehouse. PIA will create their own dimensioning of spares of all the deployed equipment.	RFP Clause remains unchanged.
714	4.4.5.6 26 Page no 143	Section IV: Scope of Work		The successful bidder has to replace the UPS battery every 2 years for uninterrupted and smooth operations. OEM should confirm battery replacement in UPS at the end of 2nd year, 4th year and 6th year respectively.	We assume that this clause is valid for the batteries of UPS to be install at NOC location only.	Replacement of batteries for all UPSes supplied under this contract.
715	1.2 Page no 11	Section I: Invitation to Bids		4. No. of districts – Phase 1 ----- 415 (GP's) 5. No. of blocks – Phase 1 ----- 120 (GP's)	1. What will be the understanding of O&M of GP's of phase 1 to be integrated in phase 2 ?	O&M for the transferred GPs from Phase 1, is in PIA 's scope of respective Package as per RFP.
716	1.2 Page no 11	Section I: Invitation to Bids		4. No. of districts – Phase 1 ----- 415 (GP's) 5. No. of blocks – Phase 1 ----- 120 (GP's)	2. Number of Field resources per GP/Block/Distt will be at higher end in case of O&M of GP's of phase 1 to be integrated in phase 2.	As per RFP
717	2.28	Section II: General Instruction to Bidders		The Sole Bidder or Lead Bidder in case of consortium: Work Completion Certificate (partial or full – not less than specified Kms in this clause in case of partial) clearly highlighting the scope of work/ Bill of Material in terms of quantity of work executed with the supporting documents such as Work order/Purchase order / Contract.	As we need to sign Non Disclosure agreement (NDA)with few clients, it will be difficult for us to submit the copy of work order/Contract/Agreement/PO for those projects. We request you to allow bidder's to submit Work Completion Certificate only (partial or full – not less than specified Kms in this clause in case of partial) that meets the tender requirement.	As per RFP
718	4.3.3.2 Periodical Maintenance (Page-124)	Section-4		Monthly Visits	The old batteries during replacement cycle in O&M phase will be taken back by bidder. Pls confirm	The successful bidder has to replace the UPS battery every 2 years for uninterrupted and smooth operations. OEM should confirm battery replacement in UPS at the end of 2nd year, 4th year and 6th year respectively.
719	4.4.5.2 Network rack Specifications , 1. Floor mount 18U Network Rack (For ONT/GP Locations)	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332		1. 18 U: 600 x 1070 x1185 mm	Specific Diemenions Is mentioned which is OEM Specific Please remove and modify to industry standard 600W X 18UH 1200H X 1200D to allow eual level playing field for OEM and help department to achieve best pricing and product.	Please refer revised RFP

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
720	4.4.5.2 Network rack Specifications , 1. Floor mount 18U Network Rack (For ONT/GP Locations)	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332		2. Door Steel Ful Prf 750W x 18U	Looks Like Typo Error as Rack is 600W as per point 1 hence the door size has to be 600W x 18U (1200H) erquest to change the same	Please refer revised RFP
721	4.4.5.2 Network rack Specifications , 1. Floor mount 18U Network Rack (For ONT/GP Locations)	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332		2. Door Steel Ful Prf 750W x 18U	request to mention perforation should be 80% -90%	Please refer revised RFP
722	4.4.5.2 Network rack Specifications , 1. Floor mount 18U Network Rack (For ONT/GP Locations)	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332		6. IPDU: 2 nos. of 32 Ampere IP Switched PDU each having 21 nos. C13 sockets, 3 nos. of C19 sockets	No of sockets are OEM Specific Please modify : IPDU: 2 nos. of 32 Ampere IP Switched PDU each having 20-25 nos. C13 sockets, 3-5 nos. of C19 sockets	Please refer revised RFP
723	4.4.5.2 Network rack Specifications , 1. Floor mount 18U Network Rack (For ONT/GP Locations)	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332		Additional for better life and corrsion protetcion	Surface Finish : Sheets cleaned, degreased, phosphate, electro- Dip coat primed and electro statically powder coated with textured Polyester paint RAL 7035.	Please refer revised RFP
724	4.4.5.2 Network rack Specifications , 1. Floor mount 18U Network Rack (For ONT/GP Locations)	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332		Additional Certification for quality and safety	ISO 9001, 14001 and 18001 and UL 60950-1INFORMATION TECHNOLOGY EQUIPMENT - SAFETY - PART 1: GENERAL REQUIREMENTS, CSA C22.2 NO. 60950-1-07-CAN/CSA INFORMATION TECHNOLOGY EQUIPMENT SAFETY PART 1: GENERAL REQUIREMENTS	Please refer revised RFP
725	4.4.5.2 Network rack Specifications , 1. Floor mount 18U Network Rack (For ONT/GP Locations)	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332		Additional for Load Carrying Capacity	Frame Material : Frame Of sturdy 1.5mm frame section construction, consisting of Nine folded rolled hollow frame section punched in 25mm DIN pitch pattern with Load Carrying capacity of 1400KG	Please refer revised RFP
726	4.4.5.2 Network rack Specifications , 1. Floor Mount 42U Rack (For OLT Locations)	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332		1. 42 U:750 x1070 x1991 mm	Specific Diemenions Is mentioned which is OEM Specific Please remove and modify to industry standard 800W X 42UH 2000H X 1200D to allow eual level playing field for OEM and help department to achieve best pricing and product.	Please refer revised RFP
727	4.4.5.2 Network rack Specifications , 1. Floor Mount 42U Rack (For OLT Locations)	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332		2. Door Steel Ful Prf 600W x 42U	Looks Like Typo Error as Rack is 800W as per point 1 hence the door size has to be 800W x 42U (2000H) request to change the same	Please refer revised RFP
728	4.4.5.2 Network rack Specifications , 1. Floor Mount 42U Rack (For OLT Locations)	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332		2. Door Steel Ful Prf 750W x 18U	request to mention perforation should be 80% -90%	Please refer revised RFP

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
729	4.4.5.2 Network rack Specifications , 1. Floor Mount 42U Rack (For OLT Locations)	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332		6. IPDU: 2 nos. of 32 Ampere IP Switched PDU each having 21 nos. C13 sockets, 3 nos. of C19 sockets	No of sockets are OEM Specific Please modify : IPDU: 2 nos. of 32 Ampere IP Switched PDU each having 20-25 nos. C13 sockets, 3-5 nos. of C19 sockets	Please refer revised RFP
730	4.4.5.2 Network rack Specifications , 1. Floor Mount 42U Rack (For OLT Locations)	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332		Additional for better life and corrosion protection	Surface Finish : Sheets cleaned, degreased, phosphate, electro- Dip coat primed and electro statically powder coated with textured Polyester paint RAL 7035.	Please refer revised RFP
731	4.4.5.2 Network rack Specifications , 1. Floor Mount 42U Rack (For OLT Locations)	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332		Additional Certification for quality and safety	ISO 9001, 14001 and 18001 and UL 60950-1 INFORMATION TECHNOLOGY EQUIPMENT - SAFETY - PART 1: GENERAL REQUIREMENTS, CSA C22.2 NO. 60950-1-07-CAN/CSA INFORMATION TECHNOLOGY EQUIPMENT SAFETY PART 1: GENERAL REQUIREMENTS	Please refer revised RFP
732	4.4.5.2 Network rack Specifications , 1. Floor Mount 42U Rack (For OLT Locations)	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 332		Additional for Load Carrying Capacity	Frame Material : Frame Of sturdy 1.5mm frame section construction, consisting of Nine folded rolled hollow frame section punched in 25mm DIN pitch pattern with Load Carrying capacity of 1400KG	Please refer revised RFP
733	7, 8, 9 & 10	4.7.1 (Page. No. 189)		Technical specifications as per TEC GR for Tension Pole Assembly Set & Suspension Pole Assembly Set referred is GR No. GR/OFA-01/02.Jul 2005, with latest amendments if any.	TEC GR No. referred in RFP is GR/OFA-01/02.Jul 2005, with latest amendments if any where as this TEC GR. Has been superseded by TEC Gr. No. TEC/GR/TX/OAF-001/03 dated Mar 2017. The lead bidder can quote as per updated TEC GR. Please confirm	As per BSNL/Industry practice, subject to meeting functionality, desirability and quality
734	5.1 (SOR for Package A) A - 7	Section V: Bid Submission Format (page-273)		96F FTB (Fully loaded including enclosure)	FTB is only applicable for Individual Fibre. As per other Bharat Net phase - 2 tenders, for Ribbon Fibre Cable, for GP Location FDMS 3B is to be supplied as per TEC GR. GR/FDM-01/02. APR 2007 with Amendments, if any. Please confirm	Please refer revised RFP
735	5.1 (SOR for Package A) A - 8	Section V: Bid Submission Format (page-273)		48F FTB (Fully loaded including enclosure)	FTB is only applicable for Individual Fibre. As per other Bharat Net phase - 2 tenders, for Ribbon Fibre Cable, for GP Location FDMS 3B is to be supplied as per TEC GR. GR/FDM-01/02. APR 2007 with Amendments, if any. Please confirm	Please refer revised RFP
736	5.1 (SOR for Package A) A - 7 & 8	Section V: Bid Submission Format (page-273)		96F FTB (Fully loaded including enclosure) & 48F FTB (Fully loaded including enclosure)	As per recent Bharat Net Phase-II tenders, type of Adaptors & Connectors has to be SC-APC. Please confirm	As per RFP
737	5.1 (SOR for Package A) A - 6	Section V: Bid Submission Format (page-273)		Splitters 1:4	Splitters 1:4 has to be supplied TSEC approved as per TEC GR. Mentioned in tender and has to be Rack/Wall Mount type. Please confirm.	Rack Mount
738	5.1 (SOR for Package A) A - 6	Section V: Bid Submission Format (page-273)		Splitters 1:4	Splitter 1:4 has to be pre-connectorized and Type of Connectors / adaptors should be SC-APC. Please confirm	As per RFP
739	5.1 (SOR for Package A) B - 2	Section V: Bid Submission Format (page-273)		24F FTB (Fully loaded including enclosure)	As per TEC GR. FTB is only applicable for Individual Fibre and not for ribbon fibre. As per other Bharat Net phase - 2 tenders, for Ribbon Fibre Cable, for GP Location FDMS 3B is to be supplied as per TEC GR. GR/FDM-01/02. APR 2007 with Amendments, if any. Please confirm	Please refer revised RFP
740	5.1 (SOR for Package A) B - 2	Section V: Bid Submission Format (page-273)		24F FTB (Fully loaded including enclosure)	As per recent Bharat Net Phase-II tenders, type of Adaptors & Connectors has to be SC-APC. Please confirm	As per RFP
741	5.1 (SOR for Package A) B - 7	Section V: Bid Submission Format (page-273)		Pole clamping Kit (Aerial Fibre laying)	TEC GR No. referred in RFP is GR/OFA-01/02.Jul 2005, with latest amendments if any where as this TEC GR. Has been superseded by TEC Gr. No. TEC/GR/TX /OAF-001/03 dated Mar 2017. The lead bidder can quote as per updated TEC GR. Please confirm	As per BSNL/Industry practice, subject to meeting functionality, desirability and quality

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
742	5.1 (SOR for Package A) C - 2	Section V: Bid Submission Format (page-274)		ONT	ONT has to be supplied with ONT enclosures made of Mild Steel and has to be properly perforated and transparent for easy view as per Bharat Net Phase-I tenders. Please confirm	ONT will be mounted in Rack. Please refer Revised RFP for Rack Specifications
743	5.1 (SOR for Package A) C - 7	Section V: Bid Submission Format (page-274)		18U Floor mount Rack	Dimensions of Rack supplied (HxWxD) : 18U x 800mm x 800mm. Please confirm	Please refer revised RFP
744	5.1 (SOR for Package A) C - 8	Section V: Bid Submission Format (page-274)		42U Floor mount Rack	Dimensions of Rack supplied (HxWxD) : 42U x 800mm x 1000mm. Please confirm	Please refer revised RFP
745	5.1 (SOR for Package A) C - 7	Section V: Bid Submission Format (page-274)		18U Floor mount Rack	Rack should be standard 19"/ETSI rack. With front Glass Door and perforated rear and side doors. It should be supplied with Runway Segments and FRP Spare Cable Box of Size – Diameter 0.78 meter x Height 0.19 meter. Please confirm.	Please refer revised RFP
746	5.1 (SOR for Package A) C - 8	Section V: Bid Submission Format (page-274)		42U Floor mount Rack	Rack should be standard 19"/ETSI rack. With front Glass Door and perforated rear and side doors. It should be supplied with Runway Segments and FRP Spare Cable Box of Size – Diameter 0.78 meter x Height 0.19 meter. Please confirm.	Please refer revised RFP
747	5.1 (SOR for Package A) E - 2.a	Section V: Bid Submission Format (page-275)		The cost shall include fixing of joint chamber, manhole, splice closure , . . .	Splice Closure (i.e. FDMS Outdoor) for Ribbon OFC has to be supplied TSEC Approved as per TEC GR. TEC/GR/TX/FDM-003/01 MAR 2012.	Please refer revised RFP
748	5.1 (SOR for Package A) E - 2.a	Section V: Bid Submission Format (page-275)		The cost shall include fixing of joint chamber, manhole, splice closure , . . .	TEC GR. Referred in RFP for Splice Closure (SJC & BJC) is TEC/GR/TX/OJC-002/03/APR-2010, with latest amendments if any. Whereas this is applicable only for OFC cable with Individual Fibre. OFC used in this RFP is Ribbon Type and as per all the recent Bharat Net Phase-II Tenders, Splice closure is referred to as FDMS Outdoor and being supplied against TEC GR. TEC/GR/TX/FDM-003/01 MAR 2012. Please confirm that this shall be applicable for this tender also.	Please refer revised RFP
749	5.1 (SOR for Package A) E - 2.a	Section V: Bid Submission Format (page-275)		Splice Closures	Splice Closure is a TSEC approved material and should be a part of the SOR to maintain the uniformity of the products. We request you to kindly add Splice Closure (i.e. FDMS Outdoor) as an Line Item in SOR of the RFP.	RFP Clause remains unchanged
750	Note 1	Section II: General Instruction to Bidders 2.28 Evaluation of Eligibility Criteria (page-37)		The TSEC obtained by the OEMs of bidders for the various tenders floated by BBNL/BSNL in the last two years shall be acceptable for the items which are part of this RFP provided that the technical specifications remains unchanged.	TSEC obtained for any of the Tenders of Bharat Net Phase-II shall be allowed as eligibility criteria to quote and for supplies against this RFP. Please confirm.	Yes, however if product is changed due to specific functional requirement asked in this tender, then fresh TSEC approval is required.
751	Note 1	Section II: General Instruction to Bidders 2.28 Evaluation of Eligibility Criteria (page-37)		The TSEC obtained by the OEMs of bidders for the various tenders floated by BBNL/BSNL in the last two years shall be acceptable for the items which are part of this RFP provided that the technical specifications remains unchanged.	TSEC/QF103 obtained against Bharat Net Phase-II Tender No. TE No. CA/MMT/NOFN/Selection of PIA/T-610/2017 Dated 29.12.2017 shall be eligible for Supplies against products of this RFP.	Yes, however if product is changed due to specific functional requirement asked in this tender, then fresh TSEC approval is required.
752	H (Page-107)	IV		It refers to complete all survey even within 3 days of financial Bid opening.	It wont be easy for bidders to mobilize resources to this scale to complete each route/site wise survey & compile the reports before Award of Work therefore we request tenderer to accept the sample basis route/site survey blockwise.	RFP Clause remains unchanged.
753	4.3.1.7-5(Page-121)	IV		This clause refers to acceptance of supplied material carried out by Quality Testing Agencies as identified by SIA/BBNL	Need to know the TAT for same activity as well as the procedure of conducting same.	As per RFP

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
754	4.3.3.5 - 1(Page-127)	IV		This refers to 100% certification & verification of field execution project by appointed TPA	1) 100% check will slow down the pace of work & subsequently other activities i.e resources movement to other routes/site. Therefore it is requested to consider 30% sample size for the same. 2) What will be the TAT to conduct verification/certification on field? 2) We would also request tenderer to consider videography of site execution as an evidence for field certification.	RFP Clause remains unchanged.
755	4.8.1.6(Page 192)	IV		Route alignment deviation	Approval TAT for same.	As per RFP
756	4.8.1.7(Page 197)	IV		This refers to genral fibre laying practices & low depth installation	TAT for approval of such low depth cases by SIA	As per RFP
757	4.8.1.7(Page 197)	IV		Pro-rata basis payment for low depth cases	Need to know the Pro-rata payment logic in low depth cases as all requisite approval & protection will be provided to low depth patches, more over any protection in such cases are generally costs more than flat rate per meters.	As per RFP
758	4.7.1-21(Page-182)	IV		Electronic Route Marker	Need tenderer to specify how many ERM to be installaed per kms.	"Electronic Route Marker" stands removed. However, the distance between two Cement Route Markers must be 200 Meters.
759	3.32-4(Page -83)	III		Network Uptime	Need to know the network uptime calculation formula for O&M Phase	As per RFP
760	Clause 3E , Page 19	I		NMS and GIS may be licensed product for project execution phase	However during O&M PIA need to migrate from License product to Opensource : This clause is very confusing as it need to decided at the initial stage whether to take license/opensource product ; Also Opensource need multiple customization	Please refer revised RFP
761	Clause 3F , Page 19	I		Provision of Compute/Storage	It means that that entire HW will be moving to Cloud being provided by GFGNL	As per RFP
762	Subcontract : Clause 3.3 , page 49	III		Only one level of Subcontracting is allowed	We understand it is applicable only for Services ; Also we will multiple Service Providers for different works such as - I&C , Interiors and Civil , Facility Management	RFP Clause remains unchanged.
763	Penalty, Clause 3.32, page 75	III			This table seems to very confusing , It is better to have common LD clause with capping for late delivery of Material & Services	RFP Clause remains unchanged.
764	Clause 4, Page 83	III		Penalty due to deficiency in ongoing performance and Service level	Penalty should be on O&M Charges not on Opex charges and should have the capping of 10% of Quarterly O&M Charges	RFP Clause remains unchanged.
765	4.5.1 General Instructions - 3	Section IV: Scope of Work - Pg 153		Project Management Tool, Mobile Application (Project and O&M Phase) and Web Portal shall be Open Source only, for the entire duration of this contract. NMS and GIS (NIS) may be licensed product for the Project Execution phase. However, the same has to be compulsorily developed on Open source for the O&M Phase. The PIA will have to completely migrate all data from licensed product to Open Source platform. ERP can be Licensed or open source for the entire duration of contract.	definition of open source is not clear. Will the application or database or both shall be open source.? How to ensure open source platform will be stable and how to ensure availibility of support of open source platform. Please clear the scope of Open Source software	Please refer revised RFP
766	4.5.1 General Instructions - 3	Section IV: Scope of Work - Pg 153		Project Management Tool, Mobile Application (Project and O&M Phase) and Web Portal shall be Open Source only, for the entire duration of this contract. NMS and GIS (NIS) may be licensed product for the Project Execution phase. However, the same has to be compulsorily developed on Open source for the O&M Phase. The PIA will have to completely migrate all data from licensed product to Open Source platform. ERP can be Licensed or open source for the entire duration of contract.	The cost and time required to develop GIS (NIS) is very very high. We recommond to put the code for all software in the ESCROW account. Separate agreement can be built to safe guard the on the interests of both the parties. Pls confirm	RFP Clause remains unchanged.

Sr. no.	Clause No.	Section	Category	Reference/Subject	Clarification Sought	Response
767	4.5.1 General Instructions - 3	Section IV: Scope of Work - Pg 153		2 - person developer team to manage continuous development must be arranged for by the PIA (One for NMS, web portal, GIS and ERP and One for mobile app). Supplier has to provision developers to support User creation, control, role based access plus development of or customization of functionality	In order to build this type of multiple products, single person can not handle the same. Therefore, it is required to have different skill set of person on the same. Hence recommending to remove the limit on manpower & PIA can decide the manpower as per requirement.	RFP Clause remains unchanged.
768	Supervision of OFC construction work	-		Online Deployment Monitoring Tool (ODMT) for OFC Network Rollout	In order to meet above mentioned quality requirement associated with Optical Fiber Cable (OFC) deployment, large number of supervisor used to get deployed in the field. During earlier phase, OFC deployment used to be less than 50000 Km per year across the country. However due to sudden demand of increased fiber penetration across the length and breadth of country, rapid deployment of fiber will be needed in next few years. Traditional way of monitoring and supervising is not suitable, both technically and economically, to meet the significantly increased need of speed of deployment, coupled with requirement of ensuring Quality standards. Hence need for a digital online deployment monitoring tool has been felt.	RFP Clause remains unchanged.