

S. No.	Section	Clause	Brief Description of the Clause	Query/ Comments of Bidder	Response
1	11.1.7	Video Wall	Not mentioned	Videowall & Controller should be from same OEM for better interoperability & Performance	RFP Clause remains unchanged.
2	4.4.5.1	Video Wall	Not mentioned	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.
3	4.4.5.1	Video Wall	Control RS-232/RS-422/IR	Request you to mention Control RS-232/RS-422/IR/IP	Revised Clause : "Control RS-232/RS-422/IR/IP"
4	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 357	4.4.5.2 Network rack Specifications 1. Wall mount 12U Network Rack (For ONT/GP Locations)	2. Front Door Steel Ful Prf with lock	Please allow perforation/Filter unit In Wallmount in general glass door will come Front perforation door will be specific OEM only. if you use FAN Filter it gives more protection from dust and water that full perforated doors	RFP Clause remains unchanged.
5	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 357	4.4.5.2 Network rack Specifications 2. Floor Mount 42U Rack (For OLT Locations)	1. 42U:750W x 1070D x 1991H mm	Specific Dimensions mentioned which is OEM Specific only Please remove and modify to industry standard a) 42UH: 800W x 2000H x 1200D <u>OR</u> b) 42UH: 800W x 2000H x 1000D To allow equal level playing field for OEM and help department to achieve best pricing and product below is the link for specification given in tender http://www.apc.com/salestools/JKUR-92FKBC/JKUR-92FKBC_R2_EN.pdf	Revised Clause: Dimensions: 42U Rack standard ETSI Racks
6	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 357	4.4.5.2 Network rack Specifications 2. Floor Mount 42U Rack (For OLT Locations)	2. Door Steel Ful Prf with lock	Request you to please mention : perforation should be 75% -85% for better air ventilation	RFP Clause remains unchanged.
7	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 357	4.4.5.2 Network rack Specifications 2. Floor Mount 42U Rack (For OLT Locations)	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.	RFP Clause remains unchanged.
8	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 357	4.4.5.2 Network rack Specifications 2. Floor Mount 42U Rack (For OLT Locations)	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	RFP Clause remains unchanged.

9	4.4.5 NOC - IT & Non – IT Infrastructure Requirement Page 136 of 357	4.4.5.2 Network rack Specifications 2. Floor Mount 42U Rack (For OLT Locations)	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	RFP Clause remains unchanged.
10	Section 2	2.28 Evaluation of Eligibility Criteria point no.2	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 of which atleast 80% should be in underground OFC laying and 20% in aerial OFC laying, in last 3 years, as on bid submission date	Considering the overall experience of the organizations and increasing the participation and competition, we request removal of the clause "atleast 80% should be in underground OFC laying and 20% in aerial OFC laying, in last 3 years". As with such kind of project, we propose that the majority of the work emphasis is related to the passive infrastructure and hence, many organizations will have large experience in this domain bringing in value to the project.	Revised Clause : "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 of which minimum 80% should be in underground OFC laying in last 3 years, as on bid submission date: Package A: 5100Kms Package B: 4900Kms"
11	Section 2	2.28 Evaluation of Eligibility Criteria point no.3	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 of which atleast 80% should be in underground OFC laying and 20% in aerial OFC laying, in last 3 years as on bid submission date.	Considering the overall experience of the organizations and increasing the participation and competition, we request removal of the clause "atleast 80% should be in underground OFC laying and 20% in aerial OFC laying, in last 3 years". As with such kind of project, we propose that the majority of the work emphasis is related to the passive infrastructure and hence, many organizations will have large experience in this domain bringing in value to the project.	Revised Clause : "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 of which at least 80% should be in underground OFC laying in last 3 years as on bid submission date. "
12	Section IV: Scope of Work	4.4.5.6 Online UPS for NOC Room	Certifications - UPS should meet CE, BIS and ROHS standards (Compliance to be submitted)	It is requested to kindly amend this clause to read as:" Certifications: CE/ RoHS ". BIS certificate is only applicable for UPS upto 5 KVA hence it is requested to kindly delete BIS certification.	Please refer revised specification in Corrigendum
13	Section IV: Scope of Work	4.4.5.6 Online UPS for NOC Room	Input Voltage Range - 160-280 VAC @ 100% load, Three Phase	The Specified Voltage Range is for Single phase. Hence, it is requested to kindly amend the clause to read as: " 360V - 460V, Three Phase "	Please refer revised specification in Corrigendum
14	Section IV: Scope of Work	4.4.5.6 Online UPS for NOC Room	Input Power Factor - 0.99 (100% Load)	It is requested to kindly amend the clause to read as: " Input Power Factor - ≥ 0.9 ". This is as per Industry standards.	Please refer revised specification in Corrigendum
15	Section IV: Scope of Work	4.4.5.6 Online UPS for NOC Room	Communication - Full-Functional SNMP Card should be present; RS 232 & USB port with software for UPS status monitoring	Please specify SNMP as optional item as it will increase cost unnecessarily . By making it optional item, this feature can be taken whenever needed. Also, request kindly amend the clause to read as: " RS 232/ USB port with software for UPS status monitoring ".	Please refer revised specification in Corrigendum

16	Section IV: Scope of Work	4.4.5.6 Online UPS for NOC Room	Protection - Inherent protection should be provided for Output Short-circuit and Overload, Input Fault, Cold Start, Low battery, Battery Over and Under charge, Battery Disconnect, Battery self-test feature, Over Temperature, OVCD, External Transient Voltage Surge Suppressor , etc	It is requested to kindly clarify whether Class C SPD is required and also is it required external or Inbuilt in the UPS System.	Surge protector for NOC UPS shall be a separate device.
17	Section IV: Scope of Work	4.4.5.6 Online UPS for NOC Room	LCD Display - Input Voltage, Input Frequency, Output voltage, Output Current, Output Frequency, Battery Voltage, UPS Status, Load Level, Battery Level, Discharge Timer, Battery Disconnect and Fault Conditions	It is requested to kindly limit to Vital parameters only like: - Input voltage, Output Voltage, Frequency, Load connected, Battery Volt, Status, Load/Battery %, Fault	Please refer revised specification in Corrigendum
18	Section IV: Scope of Work	4.4.5.6 Online UPS for NOC Room	Miscellaneous - ECO Mode Operation with Enable/Disable function	It is requested to kindly delete this clause	This clause stands deleted
19	Section IV: Scope of Work	4.4.5.6 Online UPS for NOC Room	Miscellaneous - Emergency Power Off (EPO)	It is requested to kindly delete this clause	This clause stands deleted
20	Section IV: Scope of Work	4.4.5.7 UPS for GP Locations	Output Voltage - 180VAC - 230VAC	It is requested to kindly amend the Output Voltage to " 220V to 250V". This is as per Industry standards for Line Interactive UPS Systems.	Outer bounds should be 170-250V. Output range should be in between this
21	Section IV: Scope of Work	4.4.5.7 UPS for GP Locations	Voltage Regulation - +/-5% (or better)	It is requested to amend the clause to read as: " Voltage Regulation - \pm 8% in AVR mode & \pm 3% in Inverter mode "	With variation against rated, the outer bounds should not be crossed.
22	Section IV: Scope of Work	4.4.5.7 UPS for GP Locations	Output Waveform - Modified sine Wave	It is suggested to amend to read it as : " Sine wave output ". Since line interactive UPS with sine wave output are better suited & ensure their longevity & trouble free operation.	Please refer revised specification in Corrigendum
23	Section IV: Scope of Work	4.4.5.7 UPS for GP Locations	Battery Backup - Minimum backup of 120 Minutes on full load	It is requested to kindly amend the clause to read as: Minimum backup of 120 Minutes on full load @ 0.6 P.F.	Revised Clause: Minimum backup of 120 Minutes on full load @ 0.6 P.F.
24	Section IV: Scope of Work	4.4.5.7 UPS for GP Locations	Bypass - Automatic, Manual Bypass Switch	It is requested to kindly delete this clause as Bypass is NOT applicable for Line Interactive UPS systems as per Industry standards.	Please refer revised specification in Corrigendum
25	Section IV: Scope of Work	4.7 Annexure A	BATTERY: As per TEC GR NO. GR/TX/BAT-001/04/068 JUL 2016 dated 29.07.2016 (with latest amendment)	It is requested to kindly delete this clause as all battery manufacturers may not have Batteries as per TEC GR. In lieu it is requested to ask for batteries type tested as per JISC 8702 standards from any NABL approved lab. This will allow wider choice & also help UPS vendors to expedite timely delivery of the equipments as per the availability of the batteries at the time of dispatch and ensure better participation of vendors, as also benefits of competition.	RFP Clause remains unchanged.

26	4.3.1.2 Network Design Criteria, BSNL Exchange Location	Clause 2	Each OLT will have FE/GigE/1G optical/Ethernet uplink / Network side connectivity from BSNL Network equipment installed at BSNL exchange to start the Network services at Day-1. PIA will be responsible to arrange necessary hardware to make equipment port provided by BSNL compatible with OLT uplink port. This connectivity will be provided by BSNL for approximately 6 months (only for testing and monitoring purposes), 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.	<p>Our understanding is:</p> <p>a. Network side connectivity from BSNL Network equipment installed at BSNL exchange to start the Network services at Day-1. PIA will be responsible to arrange necessary hardware to make equipment port provided by BSNL compatible with OLT uplink port. This connectivity will be provided by BSNL for approximately 6 months (only for testing and monitoring purposes), 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.</p> <p>b. Bidder needs to provide transport infrastructure (DWDM) for data transmission from Gandhinagar state NOC to all blocks (OLT locations). Please clarify.</p>	PIA has to design network to meet all functional requirements specified in RFP.
27	GPON (Gigabit Passive Optical Network):	Clause 16	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.	<p>Our understanding is:</p> <p>a. From OLT to all ONT location GPON will be used.</p> <p>b. Bidder needs to provide transport infrastructure (DWDM) for data transmission from Gandhinagar state NOC to all blocks (OLT locations).</p> <p>c. Network architecture, and specifications for DWDM are not mentioned in the RFP. Whether bidder needs to design basis their understanding or technical specifications will be shared. Please clarify.</p>	PIA has to design network to meet all functional requirements specified in RFP.
28	Package A (Rest of Gujarat)	Clause 1, j	Bandwidth provisioning for each ONT, through OLT/NOC via either BSNL or GSWAN backhaul. This would entail all connections including connection with OCLAN	<p>Our understanding is:</p> <p>a. From OLT to all ONT location GPON will be used.</p> <p>b. Bidder needs to provide transport infrastructure (DWDM) for data transmission from Gandhinagar state NOC to all blocks (OLT locations). Please clarify.</p>	PIA has to design network to meet all functional requirements specified in RFP.
29	2.28 Evaluation of Eligibility Criteria	Clause 10	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.	Since Transport equipments are also asked in the RFP, Is PMA clause applicable to it also? If it is then to the best of our knowledge one or two players will be able to meet the same thus limiting competition. Hence request to remove PMA clause for Transport layer equipments for larger participation of OEMs.	Preferential Market Access (PMA) guidelines notified by DoT and all its clarifications/ amendments will not be applicable on Transport Layer.

30	5.12 Annexure 5.12: MAF	MAF	We also undertake that in case of default in execution of this Contract by PIA, we shall provide necessary support in identifying another authorized partner with similar certifications/capabilities and extend support to the new partner in accordance with OEM's agreement with the new partner. In case PIA is unable to fulfil the obligations given under this Contract, OEM shall be responsible to replace the PIA with an alternate Indian Authorized agent to facilitate to get the requisite work done. OEM shall also ensure that the alternate Indian Authorized Agent in this case shall abide by all the terms & conditions laid down under the Contract and during the Award of Work to the PIA for the quoted OEM products.	We also undertake that in case of default in execution of this Contract by PIA, we shall provide necessary support in identifying another authorized partner with similar certifications/capabilities and extend support to the new partner in accordance with OEM's agreement with the new partner.	RFP Clause remains unchanged.
31	Section-1 of both Package-A & Package-B	1.2	Project Management Tool, Mobile Application (Project and O&M Phase), Web Portal, NMS, GIS, NIS and ERP should be supported perpetual licenses (including COTS / custom built). The solutions provided must migrate to open source and open standard platform after completion of project phase (without any additional cost for GFGNL).	To enable industry standards deliverables and allow maximum participation we request tendering authority to relax Open Source Software requirement. The solution provided must be based on open standard. Open standard softwares are scalable extensible architecture with multi vendor devices support.	Please refer corrigendum
32	Section-II of both Package-A & Package-B	2.18	It shall be incumbent upon each Bidder to fully acquaint himself with the local conditions and other relevant factors at the proposed site which would have any effect on the performance of the contract and / or the cost.	We understand that the local conditions here referred as environmental conditions. Please confirm.	RFP Clause remains unchanged.
33	Section-II of both Package-A & Package-B	2.28	Note – 3 : The bidder shall supply only such network equipment which, had those equipment been supplied for any defence communication project in India, would have been acceptable to the Indian defence authorities.	Kindly list out the equipment which falls under this category (Defence Communication Project).	This clause is applicable only for the transport layer. Rest of the equipment are governed by PMA clause

34	Section-IV of both Package-A & Package-B	4.3.1.2	Each OLT will have FE/GigE/1G optical/Ethernet uplink / Network side connectivity from BSNL Network equipment installed at BSNL exchange to start the Network services at Day-1. PIA will be responsible to arrange necessary hardware to make equipment port provided by BSNL compatible with OLT uplink port. This connectivity will be provided by BSNL for approximately 6 months (only for testing and monitoring purposes), 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.	Please clarify the following: a). We understand that all the OLTs at BSNL Location will be connected to BSNL network equipment at BSNL exchange for network services.Please confirm our understanding. b). As per clause given on page no. 112 point no. 11 mention that the network connectivity which shows all the OLTs are physically connected through the 12F of 96F feeder cable.We understand that this connectivity between the NOC and all OLTs will be used for providing Internet services.Request confirm. c). We understand Internet services provided through means given in (a) and (b) above.Request confirm if both or either of the two is required.	RFP Clause remains unchanged.
35	Section-IV of both Package-A & Package-B	4.3.1.2	12 fibres will be further carried on to the neighbouring FDMS/FTB at next OLT for connectivity to Block / Taluka HQ as explained in below 2 diagrams. This Taluka is nearest to Gandhinagar. To achieve this, 12F ribbon of 96 core fibre will connect through to the opposing end FDMS/FTB of neighbouring OLT location (96 core fibre cable is a continuous cable between 2 OLTs, in which at least 1 or 2 no. ribbon totalling to 12 fibres will be continuous – running e2e between 2 OLTs) as shown with red colour in below diagrams (from physical OFC connectivity perspective only). In the example given in this diagram, continuity of 12 core fibres are maintained between OLT nos. 1, 2, 3, 4 & 5 on feeder branch no. 1 (red alphabet). In this fashion, all OLT locations planned in an island will be connected in serial mode by 12 core fibre continuity. In this example, N is total number of OLTs planned in this island.		Query asked is not clear.
36	Section-IV of both Package-A & Package-B	4.3.1.2	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.	1. All the necessary hardware at Gandhinagar NOC shall be provided by GFGNL for BW provisioning. 2. We understand transport infrastructure is referred to GPON equipment only.	1) Bidder has to provide all end equipment as well as intermediate transport infrastructure and hardware to ensure bandwidth and data transmission up to all GPs which will be pumped from Gandhinagar State DC/State NOC. 2) Transport infrastructure is different from OLT/ONT.

37	Section-IV of both Package-A & Package-B	4.3.1.2	<p>NOC to ONT Bandwidth Charging: The GFGNL will provide bandwidth of 100 Gbps (shared between the two packages or 50 Gbps each) at GFGNL NOC in Gandhinagar. The successful bidder will design intermediate transport layer to cause delivery of 100 mbps bandwidth (with concurrency of 1/8) per GP at ONT. The delivery will ride on OLT-ONT infra being built and will be on one fibre pair between NOC and each OLT. From the current laying of OFC in no case more than two fibres will be used anywhere between NOC and OLT. This bandwidth will be used for discovery and monitoring of OLT and ONT in the NMS.</p>	Please advice the type of network equipment required for the intermediate transport connectivity.	PIA has to design network to meet all functional requirements specified in RFP.
38	Section-IV of both Package-A & Package-B	4.4.5.6	<p>Online UPS for NOC Room 3. Certifications UPS should meet CE, BIS and ROHS standards (Compliance to be submitted)</p>	<p>As per industry standards, BIS is required for UPS below 5 KVA. Therefore request you to remove BIS requirement for 20 KVA UPS from this tender. Please amend the clause as "UPS should meet CE and ROHS standards (Compliance to be submitted). BIS is only meant for UPS less than 5 KVA. Ofcourse recently it is also required for UPS below 10 KVA. But no OEM has BIS for UPS above 5 KVA. In both the cases BIS is not mandatory for 20 KVA UPS.</p>	Please refer revised specification in Corrigendum
39	Section-IV of both Package-A & Package-B	4.4.5.6	<p>Online UPS for NOC Room 4. Input Voltage Range 160-280 VAC @ 100% load, Three Phase</p>	As indicated in the clause the UPS is a 3 phase system, therefore the input voltage range should be 300 - 480 VAC.	Please refer revised specification in Corrigendum
40	Section-IV of both Package-A & Package-B	4.4.5.6	<p>Online UPS for NOC Room 16. Battery Backup 120min backup on Full Load</p>	<p>Please clarify the full load calculations: 1. Battery Backup would be tested at full connected load. 2. Battery Backup would be tested at Full UPS capacity i.e. 16 KW. Please confirm. Please amend the clause as "Battery Backup would be tested at full connected load". Or Please amend the clause as "Battery Backup would be tested at Full UPS capacity i.e. 16 KW" Bidder may calculate Battery Sizing differently. It will impact the cost and would unnecessarily create churning in solution.</p>	Please refer revised specification in Corrigendum
41	Section-IV of both Package-A & Package-B	4.4.5.6	<p>Online UPS for NOC Room 23. Relative Humidity 20-90%RH @0-40 C (Non-condensing)</p>	Please confirm if bidder can read this clause as " 20-90%RH @0-40 degree C (Non-condensing)".	Please refer revised specification in Corrigendum

42	Section-IV of both Package-A & Package-B	4.4.5.7	UPS for GP Locations 9. Battery Backup Minimum backup of 120 Minutes on full load	<p>Please clarify the full load calculations:</p> <ol style="list-style-type: none"> Battery Backup would be tested at full connected load. Battery Backup would be tested at Full UPS capacity i.e. 800 W. <p>Please confirm. Please amend the clause as "Battery Backup would be tested at full connected load". Or Please amend the clause as "Battery Backup would be tested at Full UPS capacity i.e. 800W" Bidder may calculate Battery Sizing differently. It will impact the cost and would unnecessarily create churning in solution.</p>	Revised Clause: Minimum backup of 120 Minutes on full load @ 0.6 P.F.
43	Section-II of both Package-A & Package-B	2.28	Eligibility Criteria	<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 of which atleast 80% should be in underground OFC laying and 20% in aerial OFC laying, in last 3 years, as on bid submission date: Package A: 5100Kms Package B: 4900Kms</p> <p>We request to amend as "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 5 years, as on bid submission date: Package A: 5100Kms Package B: 4900Kms</p> <ol style="list-style-type: none"> As an EPC contractor we have the experience of Underground OFC laying of more than 15000KM, hence we request to consider our suggestion. As per the BBNL model RFP guidelines allowed the bidder of experience of Underground or Aerial laying. Mentioned cap of 20% Aerial laying restrict the competition which may lead to non competitive bid 	Revised Clause : "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 of which minimum 80% should be in underground OFC laying in last 3 years, as on bid submission date: Package A: 5100Kms Package B: 4900Kms"
44	Section-I of Package-A	3.E	State Network Operation center & Software	<p>Project Management Tool, Mobile Application (Project and O&M phase), Web Portal, NMS, GIS-NIS and ERP should be supported perpetual licenses (including COTS / custom built). The solutions provided must migrate to open source and open standard platform after completion of project phase (without any additional cost for GFGNL).</p> <p>We request to change as "Project Management Tool, Mobile Application (Project and O&M phase), Web Portal, NMS, GIS-NIS and ERP should be supported perpetual licenses (including COTS / custom built). The solutions provided must migrate to open source OR open standard platform after completion of project phase (without any additional cost for GFGNL)" As per industry standards licence supported tools data can not be migrated to Open Source platform, hence request to amend as suggested</p>	Please refer corrigendum

45	Section-III of both Package-A & Package-B	4	SLA	Penalties applicable in case of deficiency in Ongoing performance and service levels during Operations & Maintenance Phase The SLA defined in the tender is very stringent, we request to change the SLA as SLA's are very stringent request to amend as suggested.	Please refer revised SLA Clause in Corrigendum
46	Section-II of both Package-A & Package-B	2.12(1)	EMD amount	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. There are multiple Bharat Net Tenders have been floated by various state department and other Agencies BBNL/BSNL, we are in process to participate in other states Bharat Net bid and for the same lot of EMD amount is required for the participation, hence we request to reduce the EMD amount as suggested.	Revised : " The Bidder shall furnish, as part of its bid, an Earnest Money Deposit (EMD) of the amount INR 5,00,00,000/- (Rupees Five Crores only) for each package."
47	Sec-III	3.27	Payment Schedule for GP Installations	We request to add in the schedule as" 50% of capex cost against delivery of the material at District level" and subsequently change 35% in the clause no. 3 and 5% in the clause no. 4. Project delivery timelines are very stringent and have to complete the work in 12 months, so company has to start the work of supply and services at multiple District level, for an example Package A has 12 Districts so as to meet the deadline bidder has to complete the enter work as per RFP of each district per month and for this huge capex amount is required and to invest such huge amount is very difficult for any of the serious bidder	RFP Clause remains unchanged.
48	Section-III of both Package-A & Package-B		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.	RFP Clause remains unchanged. However, bidder should note, pumping of 50 Gbps bandwidth from Gandhinagar SDC to each package and delivery of 100 Mbps to each ONT.

49	Section-IV of Package-A	4.3.1.2 (GPON) Pt. no. 11	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 ethernetnet/Regenerator may be required in case the distance between nearest OLT to NOC is more than 80km.	PIA has to design network to meet all functional requirements specified in RFP.
50	Section-IV of both Package-A & Package-B	4.3.1.2 Pt. no. 1 of GP locations	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. This will help in supplying TEC approved product as per the requirement of tender. To meet the strict timelines of the RFP because development time for new 8 port ONT would take approximately 3 to 4 months time and another 4 to 5 months time is also required to get TSEC certificate.	RFP Clause remains unchanged.
51	General	N/A	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.	PIA shall provide EMS with 1+1 failover configuration.
52	Section-II of both Package-A & Package-B	2.28(3)(10)	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.	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. It is not necessary that each bid will come with a consortium. Further, consortium need not to be the OEM. The PMA is applicable on OEM hence we suggest the minor changes in the clause.	RFP Clause remains unchanged.

53	3	E	State Network Operation center & Software	<p>Project Management Tool, Mobile Application (Project and O&M phase), Web Portal, NMS, G I S-NIS and ERP should be supported perpetual licenses (including COTS / custom built). The solutions provided must migrate to open source and open standard platform after completion of project phase (without any additional cost for G FG NL).</p> <p>We request to change as "Project Management Tool, Mobile Application (Project and O&M phase), Web Portal, NMS, G I S-NIS and ERP should be supported perpetual licenses (including COTS / custom built). The solutions provided must migrate to open source OR open standard platform after completion of project phase (without any additional cost for G FG NL)"</p> <p>As per industry standards Licence supported soltuion data can not be migrated to Open Source platform, hence request to amend as suggested.</p>	Please refer corrigendum
54	Addition	-	OFC qualification	<p>As this project requires significant amount of Optical fiber cable to be supplied in a shorter time, capability and credentials of OFC manufacturer is also important for successful execution of this project on time. We recommend to include OFC OEM qualification criteria in the RFP which is in line with BSNL RFP and all state-led model RFPs (Maharashtra, AP, Chhattisgarh RFPs). The RFP allows only single OEM per package for bidder. Considering dependency of such huge quantity, strong OEM criteria should be considered. May please incorporate OFC OEM qualification clause in RFP.</p>	RFP Clause remains unchanged.
55	Addition	-	Payment against Supply	<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 and amend the payment schdule.</p>	RFP Clause remains unchanged.
56	Adition	-	Governance Mechanism - Roles & Responsibilities	<p>In order to have smooth Governance of the project and address various dependencies which may come while execution of the project , clear roles & responsibilities matrix may please be given in RFP. May please incorporate Governance Mechnism in RFP.</p>	RFP Clause remains unchanged.

57	Addition	-	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. May please incorporate Hindrance register clause in RFP.	RFP Clause remains unchanged.
58	Section IV: Scope of Work - Page No. 272	Annexure C: - 4.9	<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.	Without availability of OLT location, desktop planning of route is not feasible. While MSI initiate site survey, authorities has to have provide suitable 370 aggregation location out 1400 possible options. This is extremelly critical to initiate the survey. Request may please share / clarify the details.	RFP Clause remains unchanged.
59	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.	Considering the time frame for completion of project it is suggested that Site survey should be done post award of the Contract. Successful bidder will conduct site survey to arrive on final BoQ which could be formally signed off as scope of the project. Also we recommend that in order to have a right comparison and benchmarking , quantity to be added against each line item in SOR of price bid format to eliminate this major variable . Kindly clarify.	RFP Clause remains unchanged.
60	4.3.1.7	-	Quality Assurance and Testing - Random quality testing of up to 10% Network components as per BoM will be carried out by FPA (Forth Party Auditor) appointed by State/SIA (as detailed in Clause – 4.2 : Implementation Approach)	Considering the time frame for completion of Project, 100% Quality testing of such huge scope by TPA is not feasible as it will increase touch points and will impact project completion on time. We recommend to have self-certified execution acceptance testing and TPA should do sample audit of section. To ensure evidence of quality of work, application based geo tagged time stamped video recording of work should be made available for reference. FPA should be removed from the project. Kindly clarify.	RFP Clause remains unchanged.
61	3.32	-	Penalties applicable in case of deficiency in Ongoing performance and service levels during Operations & Maintenance Phase	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- 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. We request you to amend the clause.	Please refer revised SLA Clause in Corrigendum

62	3.32	-	Maximum penalty ceiling shall be 20% of Quarterly OPEX Value.	As per industry practice we recommend to have maximum penalty ceiling shall be 10% of Quarterly OPEX Value. Request you to amend the clause.	Revised Clause: Maximum penalty ceiling shall be 20% of Quarterly OPEX Value. Further, PIA hitting the maximum penalty ceiling of 20% consecutively for three quarters will be a good ground to initiate termination of contract for default.
63	3.32	-	Penalties applicable in case of Non-compliance with delivery timelines / Milestone as defined in Clause 3.19	All penalties should be capped upto 12% of Total CAPEX of respective package. Request you to amend the clause.	RFP Clause remains unchanged.
64	4.3.1.6	-	Go-Live for the network (Connectivity from Block to Gram Panchayat)	Our suggestion to GFGNL : 1) 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). 2) 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.
65	Section II: General Instruction to Bidders, Clause 2.28	-	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 extremely important that MSI should have strong financials with positive net worth. 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. 1000Cr for Package-A, Rs. 900Cr 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 1900 crore for the last three audited financial years (2014-15, 2015-16 and 2016-17)". Please clarify.	RFP Clause remains unchanged.
66	Section I: Invitation to Bids - Pg No -12	1.2 - Summary of Packages where work is to be performed through PIA on turnkey basis:	13 - Software Use as required	Please confirm weather Package B need to use the all software mention under this section of Package A.	Please refer corrigendum

67	Section I: Invitation to Bids - Pg No -18	Package A (Rest of Gujarat) consists of: - J	Bandwidth provisioning for each ONT, through OLT/NOC via either BSNL or GSWAN backhaul. This would entail all connections including connection with OCLAN.	Please confirm the scope under OCLAN Connectivity.	All hardware, cables and associated accessories for connecting OCLAN to OLT is under the scope of PIA.
68	Section II: General Instruction to Bidders - pg no - 41	2.31 Tenderer's Right to vary Scope of Contract - 2	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.	We understand during execution there is possibility to face challenges in getting ROW on certain section which invariably need revision of routes request you to consider this as revision of scope as SOR line item.	RFP Clause remains unchanged.
69	Section I: Invitation to Bids - Pg No -19	- 3. Provide necessary Deliverables and Documentation including but not limited to:	a. As Built Diagram, Fibre Layout, Periodic maintenance reports, Inspection Reports, Root Cause Analysis, Incident Reports.	Please confirm the number of copies & type of copies like digital or Hard copy required by GFGNL	RFP Clause remains unchanged.
70	Section IV: Scope of Work - Pg No -101	6. Medium of connectivity - 11	PoP at Block shall be established at respective BSNL exchange for which power & other site requirements shall be provided by BSNL	Please confirm weather the Electricity payments will also paid by BSNL towards the power consumption of OLT & Fiber Monitoring system	Electricity payments for power consumption of OLT and Fiber Monitoring System shall be paid by GFGNL.
71	Section IV: Scope of Work - Pg No -101	6. Medium of connectivity - 11	BSNL will give a tapping point for electricity with 15 A plug	Please confirm can we use the 230 V AC Powered OLT & RFMS at BSNL exchange	PIA has to design network to meet all functional requirements specified in RFP.
72	Section IV: Scope of Work - Pg No -107	4.3.1.1 Site Survey - h	A comprehensive documentation folder in soft copy (in Video format, KMZ format and MS Excel) to be submitted on the completion of the survey.	we understand that such extensive details like video format submission will not be feasible for such large rollout. Request you to please consider 360 degree photo grammetry along with KMZ instead of Video format post rollout.	Revised Clause : "A comprehensive documentation folder in soft copy (KMZ format and MS Excel) to be submitted on the completion of the survey."
73	Section IV: Scope of Work - Pg No -120	Basic Requirements: - 1	The PIA shall be responsible for provisioning of proper earthing for active equipment (OLT, ONTs etc.) in cases where earthing is not present as per earthing standards.	Kindly add new dedicated Chemical Earthing for OLT & ONT along with quantity in SOR line Item.	RFP Clause remains unchanged.
74	Section IV: Scope of Work - Pg No -122	2. Service Provisioning - F)	The PIA shall be responsible for discovery of customer's device/port where bulk bandwidth is terminated from GFGNL Network and required SLA monitoring.	Please confirm the end Router / Device spec where bulk bandwidth is getting terminated as in GPON monitoring of ONT is feasible.	As per RFP
75	Section IV: Scope of Work - Pg No -127	4.4 Network Operation Centre 2	2. All the software such as, ERP, NMS, FMS, GIS, etc. will be hosted at Gujarat State data centre, but will be access from NOC	We understand that GOG application Cloud is accessible from proposed Gandhinagar NOC & access to the cloud will be facilitated by GFGNL. Pls confirm.	Yes

76	Section IV: Scope of Work Pg No -130	4.4.4 Integration with BBNL's NOC 1	Under BharatNet project, Integration with a BBNL(National) NOC (at Bangalore) is to be set up. This integration is required to enable monitoring of the State network status at National NOC.	We understand that responsibility to provide access to BBNL NOC lies with GFGNL. Please confirm.	RFP Clause remains unchanged.
77	Section IV: Scope of Work Pg No -181	4.7 Annexure A : 4.7.1 : 7 , 8,,9 & 10	Technical specifications as per TEC GR. 7. TENSION POLE ASSEMBLY SET (TUBULAR): As per GR No. GR/OFA-01/02.Jul 2005, with latest amendments if any. 8. TENSION POLE ASSEMBLY SET (RAIL): As per GR No. GR/OFA-01/02.Jul 2005, with latest amendments if any.	Recent amendment issued with New GR Ref.TEC/GR/TX/OAF-001/03/MAR-17 (Third Issue) considering the installation of ADSS Cable on Electric Poles and optimised accessories solution. Please allow tender bid to accept this GR with Type - III - Wedge Type	RFP Clause remains unchanged.
78	Section IV: Scope of Work Pg No -181	4.7 Annexure A : 4.7.1 : 7 , 8,,9 & 10	Technical specifications as per TEC GR. 7. TENSION POLE ASSEMBLY SET (TUBULAR): As per GR No. GR/OFA-01/02.Jul 2005, with latest amendments if any. 8. TENSION POLE ASSEMBLY SET (RAIL): As per GR No. GR/OFA-01/02.Jul 2005, with latest amendments if any.	Recent amendment issued with New GR Ref.TEC/GR/TX/OAF-001/03/MAR-17 (Third Issue) considering the installation of ADSS Cable on Electric Poles and optimised accessories solution. Please allow tender bid to accept this GR with Type - III - Wedge Type if Not then Pls allow Bidder to Use only Helix Type 2	RFP Clause remains unchanged.
79	Section III: General Conditions of the Contract and Service Level Agreement - Pg No -60	Delivery Timeline & Milestones for NOC and all Software: - T+2 Months	f. 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 Centre (with PRI option) for providing Call queue and handling of calls by multiple NOC resources. If yes, please provide specification & sizing for Contact Centre.	As per RFP
80	Section IV: Scope of Work Pg No -256	CALCULATION OF SECTION LENGTH: -	Extra spare cable for coiling at the splice location (10 meters).	we understand 10 meter for Operation & maintenance is not sufficient Please allow bidder to consider 30 meter storage at every 250 meter of span length while aerial rollout.	RFP Clause remains unchanged.
81	Section IV: Scope of Work Pg No -112	15 -	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 Selection of Project Implementing Agency (PIA) for BharatNet Phase-II in Gujarat	Please share the clear scope for all necessary intermediate transport infrastructure & add in SOR line Item.	PIA has to design network to meet all functional requirements specified in RFP.

82	Section IV: Scope of Work Pg No -112	15 -	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 Selection of Project Implementing Agency (PIA) for BharatNet Phase-II in Gujarat	We understand only fiber connectivity from Island till Gandhinagar NOC is part of this RFP & there is no Transport network need to be built under RFP scope. Pls confirm.	PIA has to design network to meet all functional requirements specified in RFP.
83	Section IV: Scope of Work Pg No -116	- Blocks Transferred from Phase – 1	Table 4.6 - Total PLB laid (Km)	Please share the KMZ file & as built drawing of Laid PLB duct under BN - 1	The available information is already provided.
84	Section IV: Scope of Work Pg No -151	4.4.6.2 - Remote Fibre Monitoring System	Remote Fibre Monitoring System (RFMS) should be capable of doing in-band and out-of-band monitoring of fibre network. Wavelength support-1625 nm , 1650 nm, 1310 nm and 1550 nm	Please add TEC GR specification as released under TEC/GR/TX/RFM-001/02/MAR-15 for Remote Fibre monitoring system.	RFP Clause remains unchanged.
85	Section IV: Scope of Work Pg No -151	4.4.6.2 - Remote Fibre Monitoring System	12F continuity between different PON islands (OLT serving area) will be used to achieve fibre monitoring system design with reduced number of RFMS units	All 12 Fiber (Jump Fiber) between different OLT's will get exhausted by extending monitoring from one of the RFMS location. So dedicated fiber monitoring system collocated with OLT needs to be deployed, Pls consider 1 RFMS chassis per OLT location in SOR.	RFMS will be OLT based and at NOC.
86	Section IV: Scope of Work Pg No -109	4.3.1.2 - Network design criteria	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.	We understand only 1 dark fiber strand from 96F Feeder cable to be monitored through RFMS. Additionally we recommend that 1 dark fiber in every GP should also be monitored so dimensioning of RFMS port should be done accordingly	RFP Clause remains unchanged.
87	Section IV: Scope of Work Pg No -127	4,4 - Network Operation Centre	FMS	We understand that FMS is the EMS of RFMS as asked in section 4.4.7 - Remote Fibre Monitoring System	Yes
88	3.19 3.32	Stipulated Time Schedule Page 61, 62 Penalty Page 76	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.	All software is being asked as Open Source and Open Standard. Such software is subscription basis where support is remotely available. such support covers only bug fixing and bug fixing and version upgrade if any. There is not support available for which SI / front bidder can take back to back agreements from any particular company on delivery schedule. Tender is EPC tender. All software shall be developed as per the requirement once project is awarded and functionalities may not be available as required from day 0. While SI / front bidder shall ensure timely delivery, we request tendering authority to provide exempt to SI / front bidder for all such penalties with respect to Open Source software.	As per RFP

89	4.5	Software And Applications Sub Clause 4.5.6	ERP (including HRMS & Payroll, Inventory Management, Document Management System, Customer Relationship Management and finance and Accounts)	<p>On table 1.2 page number 16 Tender asks for Billing & Payment Collection software. However detailed requirements for Billing & Payment Collection cannot be found anywhere on the tender. Bharatnet projects have a specific requirement for billing and Payment Collection for B2B customers (e.g. Dark Fibre Flat Billing). B2B billing happens on below basis - SLA Based Billing - Bandwidth Billing</p> <p>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 and payment collection module which is part of Enterprise Billing Systems which integrates with ERP.</p>	"Billing and Payment Collection" module of ERP stands deleted. "Customer Relationship Module" module of ERP stands deleted.
90	5.5	Annexure 5.5 - Compliance Document Clause No 7	<p>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.</p>	<p>Open Source Software (subscription based) does not have any OEM who can is a Manufacturer and can provide MAF. There can be scenarios where SI / front bidder proposes Open source software from Day 0. We request authority to exempt Open Source Softwares from requirement of MAF.</p>	MAF is expemted for Open Source Softwares
91	1.2	Page 20	<p>e. Project Management Tool, Mobile Application (Project and O&M Phase), Web Portal, NMS, GIS-NIS and ERP should be supported perpetual licenses (including COTS / custom built). The solutions provided must migrate to open source and open standard platform after completion of project phase (without any additional cost for GFGNL).</p>	<p>We understand that such migration shall happen after project phase of 1 year of deployment + 7 years of O&M phase. Also if OEM is ready to support under the AMC for another 2 Years. Do we need to have migration. As after 8 Years which open sources would be exists would not be confirmed now. Kindly confirm and give clarity.</p>	Please refer corrigendum

92	Section II: General Instruction to Bidders	2.28 Evaluation of Eligibility Criteria, Serial No 3, page 37	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 is difficult for us to submit copies of Workorder/Purchase order / Contract.. please consider Client Certificate that meets the tender requirement instead of Workorder/Purchase order / Contract.	As per RFP
93	New RFP_Gujarat BharatNet Phase - II_23rd March 2018 Package A Page 1-250	3.18 (2)	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."	RFP Clause remains unchanged.
94	New RFP_Gujarat BharatNet Phase - II_23rd March 2018 Package A Page 1-250	4.5.1	1. 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.	We request GFGNL to clarify what type of Hardware (x86 or RISC) servers will be provided. Accordingly PIA will propose appropriate OS and DB software	GFGNL will provide X86 servers in State Data Center
95	New RFP_Gujarat BharatNet Phase - II_23rd March 2018 Package A Page 1-250	4.4.5.6	In Certifications BIS is mentioned	It Is restrictive clause. BIS is not applicable for 20 KVA UPS, (BIS is applicable for 1 to 5 KVA Online UPS Only) . No OEM will able to submit the BIS certification for the 20 KVA UPS. Kindly amend the clause "UPS should meet CE / BIS / ROHS standards"	Please refer revised specification in Corrigendum
96	New RFP_Gujarat BharatNet Phase - II_23rd March 2018 Package A Page 1-250	4.3 (9), 4.5.2 (a)	Mobile Application for execution and O&M phase	Development cost of Mobile APP is linked to number of API integration to be done with applications like Project Mgmt Tool, NMS, BSS, ERP and also linked to number of Mobile APP users. 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. Please amend the clause as mentioned below: "One Mobile Application with upto 20 API integration for execution and O&M phase with 50 User License"	API integration will be as per requirement during the contract period at no additional cost to GFGNL.
97	New RFP_Gujarat BharatNet Phase - II_23rd March 2018 Package A Page 1-250	Annexure 5.19 – Priced BOQ Format, Page 96	NMS Requirement in BoQ	Requirement of NMS is mentioned in services but NMS as a product is not mentioned in "Supply - Network Operations Centre (NOC)"	PI refer revised SOR and Price BoQ format
98	New RFP_Gujarat BharatNet Phase - II_23rd March 2018 Package A Page 1-250	Annexure 5.19 – Priced BOQ Format, Page 94,101	Route & joint indicator	Supply of "Route & joint indicator" mentioned for Package A, however for Package B, it is mentioned "Supply of joint indicator", "Route" is missing	To be read as "Route and Joint Indicator"

99	New RFP_Gujarat BharatNet Phase - II_23rd March 2018 Package A Page 1-250	Annexure 5.19 – Priced BOQ Format, Page 96, 103	UPS at Block	UPS at Block is still mentioned in SOR, however asked to delete in corrigendum. If it is required then, please mention the specs as the previous specs are deleted	UPS at block is not required, hence Stands deleted
100	New RFP_Gujarat BharatNet Phase - II_23rd March 2018 Package A Page 1-250	Page 48	11. "GP" means Gram Panchayat and includes TC and DC locations in the state of Gujarat, unless explicitly excluded.	Please indicate whether Only one Location at GP would be there where ONT will be deployed. We also assume that there would be two location - TC and DC in each Block where ONT has to be deployed.. Please confirm.	As per RFP
101	New RFP_Gujarat BharatNet Phase - II_23rd March 2018 Package A Page 1-250	4.4.5.6 Online UPS	4. Input Voltage Range 160-280 VAC @ 100% load, Three Phase	As per the ammendment single phase to three phase is changed but voltage range is not changed. We request you to kindly amend the voltage range to 375 to 475 VAC also. We request you to amend the clause as "Input Voltage Range 375-475 VAC @ 100% load, Three Phase"	Please refer revised specification in Corrigendum
102	New RFP_Gujarat BharatNet Phase - II_23rd March 2018 Package A Page 1-250	4.4.5.4 Non IT Infrastructure Requirements for NOC	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 that PIA needs to provide the Tables & chairs as operator console table and ergonomic chairs specification deleted from rfp.	Yes, Please refer corrigendum
103	New RFP_Gujarat BharatNet Phase - II_23rd March 2018 Package A Page 1-250	4.4.5.1	Control RS-232/RS-422/IR	As IP is the latest technology for the control we request you to kindly mention Control RS-232/RS-422/IR/IP	Revised Clause : "Control RS-232/RS-422/IR/IP"
104	Corrigendum	S.N. 28	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.	Kindly provide maximum number of such BSNL exchanges where we need to provide the Rack, UPS, Air-Conditioner. It is not possible to consider price for such cases. Also include the same in the SOR.	Subir definitely, Bidders can consider three more such locations while planning the design.
105	New RFP_Gujarat BharatNet Phase - II_23rd March 2018 Package A Page 1-250	4.5.6	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 corrigendum
106	New RFP_Gujarat BharatNet Phase - II_23rd March 2018 Package A Page 1-250		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.
107	New RFP_Gujarat BharatNet Phase - II_23rd March 2018 Package A Page 1-250	4.3	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	As per RFP
108	New RFP_Gujarat BharatNet Phase - II_23rd March 2018 Package A Page 1-250	NA	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	No

109	Software And Applications Sub Clause 4.5.6	4.5	ERP (including HRMS & Payroll, Inventory Management, Document Management System, Customer Relationship Management and finance and Accounts)	<p>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.</p> <p>On table 1.2 page number 16 Tender asks for Billing software however its specification is added in tender as part of ERP. Kindly note that Billing is part of B2B BSS system (not part of ERP). Bharatnet projects have a specific requirement for billing application for B2B customers.</p> <p>B2B billing happens on below basis</p> <ul style="list-style-type: none"> - SLA Based Billing - Flat Billing - Bandwidth Billing - Fibre rental <p>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.</p>	<p>"Billing and Payment Collection" module of ERP stands deleted.</p> <p>"Customer Relationship Module" module of ERP stands deleted.</p>
110	Annexure 5.5 - Compliance Document Clause No 7	5.5	<p>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:</p> <p>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.</p>	<p>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 Sorce Softwares from OEM NAME and MAF requirement.</p>	<p>MAF is expemted for Open Source Softwares</p>

111	New RFP_Gujarat BharatNet Phase - II_23rd March 2018 Package A Page 1-250	Page 115	The GFGNL will provide bandwidth of 100 Gbps (shared between the two packages or 50 Gbps each) at GFGNL NOC in Gandhinagar. The successful bidder will design intermediate transport layer to cause delivery of 100 mbps bandwidth (with concurrency of 1/8) per GP at ONT. The delivery will ride on OLT-ONT infra being built and will be on one fibre pair between NOC and each OLT. From the current laying of OFC in no case more than two fibres will be used anywhere between NOC and OLT. This bandwidth will be used for discovery and monitoring of OLT and ONT in the NMS.	This is ambiguous in understanding. We understand that Gujarat BN2 project will create transport infrastructure from Block to GP. For connectivity of OLT at each Block to State NOC, this network would have to depend on transport network of GSWAN which will carry 100Gbps Internet bandwidth from GSWAN NOC to each GSWAN POP at each Block (100Mbps at each Block). If GSWAN network does not capacity to carry & distribute huge bandwidth to every OLT/block location then it is recommended to connect every OLT/Block to nearest BSNL location. If this bandwidth is only for Discovery and Monitoring then 1Gbps (with 1:8 contention) is sufficient. Please clarify.	No interface with GSWAN. Bidder will use 1 or 2 fibre out of the 12 core Fibres being brought to NOC from each zone. Transport layer has to be created as per the functional requirement and it doesn't have any interface with GSWAN or any other GoG network
112	New RFP_Gujarat BharatNet Phase - II_23rd March 2018 Package A Page 1-250	4.3.1.2 GPON (Gigabit Passive Optical Network):	12 fibres will be further carried on to the neighbouring FDMS/FTB at next OLT for connectivity to Block / Taluka HQ as explained in below 2 diagrams. This Taluka is nearest to Gandhinagar. To achieve this, 12F ribbon of 96 core fibre will connect through to the opposing end FDMS/FTB of neighbouring OLT location (96 core fibre cable is a continuous cable between 2 OLTs, in which at least 1 or 2 no. ribbon totalling to 12 fibres will be continuous – running e2e between 2 OLTs) as shown with red colour in below diagrams (from physical OFC connectivity perspective only). In the example given in this diagram, continuity of 12 core fibres are maintained between OLT nos. 1, 2, 3, 4 & 5 on feeder branch no. 1 (red alphabet). In this fashion, all OLT locations planned in an island will be connected in serial mode by 12 core fibre continuity. In this example, N is total number of OLTs planned in this island.	a) We assume that OLTs in an island (set of blocks as indicated in RFP) are connected in serial i.e cascade with topmost OLT in cascade tree connecting to TNOC at Gandhinagar. This cascade connectivity has been done only from perspective of Management of OLTs through NMS at NOC. In this architecture, if any connectivity between two OLTs or any OLT fails, then all OLTs below point of failure will be disconnected from NOC. b) We also understand that Internet bandwidth connectivity at each OLT to distribution at each ONT (100Mbps) would be provided directly on each OLT through connectivity with nearest BSNL POP or GSWAN POP. Please clarify.	a) Please refer Revised "Annexure-E Route Details" (route of Island connectivity with protection) being published with this corrigendum. b) Second assumption is not valid. Each OLT will take bandwidth in four ways in future over life of the project: one from BSNL exchange, second from GSWAN interface (outside of scope of this bid), third from leasing of shared bandwidth where in the partners will pump in their bandwidth at OLT and fourth using the transport layer which will pump in from state NOC to each OLT and then use OLT/ONT layer to deliver 100 mbps at each GP (option 4 is in this bid scope)
113	4.3.1 Operation Scope (10) Page- 105	-	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. 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. Kindly clarify.	As per RFP

114	2.29, Evaluation of Financial Bid	2.29, page 41	The bidder has to qualify the eligibility criteria for being eligible for opening of financial bid.	Pls. clarify the bidder selection process for the award of contract as there is no defined BOQ. In different scenarios, if bidder submit different BOQ plan what is the procedure to validate it. We request GFGNL to elaborate and mention clear scenerios for financial bid qualification.	As per RFP
115	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	Please refer corrigendum
116	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.
117	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.
118	General		RoW Permissions	The reimbursement of RoW charges shall be done on as per actuals on submission of proof of payments.	ROW charges shall be paid on submission of bills and proof of payment.
119	General		RoW Permissions	Demand Notes above Rs. 10 Lakh should be immediately reimbursed by MITCL on submission of proof of payments and should not be linked to progress or completion.	ROW charges shall be paid on submission of bills and proof of payment.
120	General		Hindrances/ Delays not accountable to Vendors	There should be a Hindrance Register available at all the sites which should be duly signed by MITCL/TPA approved for delays encounterd 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.

121	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.
122	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.
123	3.20 (Page No.61)		Liquidated Damages	If the Route delays due to non availability of RoW because of Govt. authorities (Forest Dept., Railways, NHAI, etc.)/ Climatic conditions then Time extension should be given without any financial implication. Pls confirm	RFP Clause remains unchanged.
124	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.)	Revised Clause: Turnover considered would be a consolidated turnover of the company i.e. A parent Company can use the turnover of its subsidiaries (75% and above holding) but a child company cannot use parent company's turnover."
125	Annexure 5.19 – Priced BOQ Format (Page No.316)		Annexure 5.19 – Priced BOQ Format	Quantity not mentioned in BOQ, Pls provide	RFP Clause remains unchanged.
126	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.
127	3.27 (Page No.64)	3.27 Payment Schedule	Supply of all the material required to commission the GPs in a particular Month	50% payment of supply made during previous month	RFP Clause remains unchanged.
128	Section IV: Scope of Work	4.4.5.6 Online UPS for NOC Room	Certifications - UPS should meet CE, BIS and ROHS standards (Compliance to be submitted)	It is requested to kindly amend this clause to read as: " Certifications: CE/ RoHS ". BIS certificate is only applicable for UPS upto 5 KVA hence it is requested to kindly delete BIS certification.	Please refer revised specification in Corrigendum
129	Section IV: Scope of Work	4.4.5.6 Online UPS for NOC Room	Input Voltage Range - 160-280 VAC @ 100% load, Three Phase	The Specified Voltage Range is for Single phase. Hence, it is requested to kindly amend the clause to read as: " 360V - 460V, Three Phase "	Please refer revised specification in Corrigendum
130	Section IV: Scope of Work	4.4.5.6 Online UPS for NOC Room	Input Power Factor - 0.99 (100% Load)	It is requested to kindly amend the clause to read as: " Input Power Factor - ≥ 0.9 ". This is as per Industry standards.	Please refer revised specification in Corrigendum
131	Section IV: Scope of Work	4.4.5.6 Online UPS for NOC Room	Communication - Full-Functional SNMP Card should be present; RS 232 & USB port with software for UPS status monitoring	Please specify SNMP as optional item as it will increase cost unnecessarily . By making it optional item, this feature can be taken whenever needed. Also, request kindly amend the clause to read as: " RS 232/ USB port with software for UPS status monitoring ".	Please refer revised specification in Corrigendum

132	Section IV: Scope of Work	4.4.5.6 Online UPS for NOC Room	Protection - Inherent protection should be provided for Output Short-circuit and Overload, Input Fault, Cold Start, Low battery, Battery Over and Under charge, Battery Disconnect, Battery self-test feature, Over Temperature, OVCD, External Transient Voltage Surge Suppressor , etc	It is requested to kindly clarify whether Class C SPD is required and also is it required external or Inbuilt in the UPS System.	Surge protector for NOC UPS shall be a separate device.
133	Section IV: Scope of Work	4.4.5.6 Online UPS for NOC Room	LCD Display - Input Voltage, Input Frequency, Output voltage, Output Current, Output Frequency, Battery Voltage, UPS Status, Load Level, Battery Level, Discharge Timer, Battery Disconnect and Fault Conditions	It is requested to kindly limit to Vital parameters only like: - Input voltage, Output Voltage, Frequency, Load connected, Battery Volt, Status, Load/Battery %, Fault	Please refer revised specification in Corrigendum
134	Section IV: Scope of Work	4.4.5.6 Online UPS for NOC Room	Miscellaneous - ECO Mode Operation with Enable/Disable function	It is requested to kindly delete this clause	This clause stands deleted
135	Section IV: Scope of Work	4.4.5.6 Online UPS for NOC Room	Miscellaneous - Emergency Power Off (EPO)	It is requested to kindly delete this clause	This clause stands deleted
136	Section IV: Scope of Work	4.4.5.7 UPS for GP Locations	Output Voltage - 180VAC - 230VAC	It is requested to kindly amend the Output Voltage to " 220V to 250V". This is as per Industry standards for Line Interactive UPS Systems.	Outer bounds should be 170-250V. Output range should be in between this
137	Section IV: Scope of Work	4.4.5.7 UPS for GP Locations	Voltage Regulation - +/-5% (or better)	It is requested to amend the clause to read as: " Voltage Regulation - \pm 8% in AVR mode & \pm 3% in Inverter mode "	With variation against rated, the outer bounds should not be crossed.
138	Section IV: Scope of Work	4.4.5.7 UPS for GP Locations	Output Waveform - Modified sine Wave	It is suggested to amend to read it as : " Sine wave output ". Since line interactive UPS with sine wave output are better suited & ensure their longevity & trouble free operation.	RFP Clause remains unchanged.
139	Section IV: Scope of Work	4.4.5.7 UPS for GP Locations	Battery Backup - Minimum backup of 120 Minutes on full load	It is requested to kindly amend the clause to read as: Minimum backup of 120 Minutes on full load @ 0.6 P.F.	Revsied Clause: Minimum backup of 120 Minutes on full load @ 0.6 P.F.
140	Section IV: Scope of Work	4.4.5.7 UPS for GP Locations	Bypass - Automatic, Manual Bypass Switch	It is requested to kindly delete this clause as Bypass is NOT applicable for Line Interactive UPS systems as per Industry standards.	RFP Clause remains unchanged.
141	Section IV: Scope of Work	4.7 Annexure A	BATTERY: As per TEC GR NO. GR/TX/BAT-001/04/068 JUL 2016 dated 29.07.2016 (with latest amendment)	It is requested to kindly delete this clause as all battery manufacturers may not have Batteries as per TEC GR. In lieu it is requested to ask for batteries type tested as per JISC 8702 standards from any NABL approved lab. This will allow wider choice & also help UPS vendors to expedite timely delivery of the equipments as per the availability of the batteries at the time of dispatch and ensure better participation of vendors, as also benefits of competition.	RFP Clause remains unchanged.
142	Section 2.28 Evaluation of Eligibility Criteria	Table 2.2- Point 7, Page No. 38	Copy of valid Technical Specification Evaluation Certificate (TSEC) / Type Approval Certificate or copy of Application for fresh TSEC/TAC as applicable from each OEM whose products are being quoted by the Bidder.	TSEC/TAC are applicable for Hardware OEM. We request that a Declaration regarding end-of-support against the pre-qualification statement should be accepted for Software OEM. Kindly confirm?	TSEC/TAC are applicable for Hardware only.

143	4: Penalties applicable in case of deficiency in Ongoing performance and service levels during Operations & Maintenance Phase	Page No. 84	Table 3.8- Proposed SLA Uptime Per Block Table 3.9- SLA for NMS, ERP, Mobile App and Web Portal Proposed SLA Uptime Per Block Network Uptime >= 99%	We understand that Enterprise GIS solution SLA is also required to be in the same line with >=99%. Please confirm.	Yes
144	Section 4.8.1.10: CABLE PULLING AND JOINING/SPLICING	Page No. 228	The PIA will maintain an As-build route diagram and details for splicing of OFC for each GP through GIS tool having accuracy of 50 cm.	We understand that GIS tool having accuracy of 50 cm means, Web GIS tool capability only . Kindly confirm.	Yes. Location based accuracy on mobile device/tab, while using through application is expected.
145	4.8.1.10 CABLE PULLING AND JOINING/SPLICING	Page No. 229	Note: 1. As Built Drawings (ABDs) shall be uploaded in the GIS platform in GIS format (Shape File, .shp).	We understand that Enterprise Geodatabase (Any RDBMS) will be required to meet spatial and textual data linkage and storage for various datamodel for multiple, versioned editing environment for Bhrat Net Project. Kindly confirm.	PIA has to design, to meet all functional requirements specified in RFP.
146	General	General	General	Kindly clarify if department is looking for Fiber Connectivity integration with the Network Management System. and Also for Integrated capability to edit the fiber cable length and manage the fibers.	Yes - NMS plus GIS NIS are components
147	1.2 Summary of Packages where work is to be performed through PIA on turnkey basis:	Table – 1.2, Page No. 16-17	Feature Development- GIS layered network management, fibre management, inventory and asset mapping, GIS layer MIS	Kindly clarify, if department looking for bellow mentioned modules for feature development, It will help Master System Integrator to estimate the development effort and cost. 1) Web based GIS system for Fiber - Fiber connectivity. 2) Web based GIS system with Fiber to Panel connectivity. 3) Web based GIS system to trace the routes of the cables and check the connectivity. 4) Web based GIS system to generate the report of cable routes. 5) Web based GIS system to calculate the attenuation for Optical cable based on the wavelengths. 6) Web based GIS system to locate the fault and connect to near by locations using OTDR Tool.	1) Yes 2) Yes 3) Yes 4) Yes 5) attenuation calculation is not required out of GIS tool 6) fault location not required out of GIS tool
148	General	General	General	Kindly clarify if GOG looking into following scope of work in Fiber section, which will help us in having further clarity in designing the overall solution along with GIS Scope of work. 1. GIS capabilities for Layer Management, Asset Management. 2. Track Fiber to Fiber Connectivity (viewing) and also integrate with the Network Management System. 3. GIS System to edit the fiber to fiber connectivity. 4. GIS System to edit and view the connections on the NOC and Devices 5. Optical Routes tracing to enable in the GIS system.	Yes

149	General	General	General	<p>Kindly clarify if GOG looking into following scope of work in Fiber section, which will help us in having further clarity in designing the overall solution along with GIS Scope of work.</p> <ol style="list-style-type: none"> 1. Report to generate along with the Optical tracing of cables in a GIS system. 2. Calculate Attenuation for optical routes (2 wavelengths). 3. GIS system should Trace Optical Routes based on the WDM 4. GIS system support creation of circuits based on Wavelengths. 5. GIS System to trace OTDR lengths from the Patch Panel locations. 	No
150	General	General	General	<p>Kindly clarify if GOG looking into following scope of work in Fiber section, which will help us in having further clarity in designing the overall solution along with GIS Scope of work.</p> <ol style="list-style-type: none"> 1. GIS System to trace OTDR lengths from the Splice/joint locations. 2. GIS System to know the nearest address / GPS location to the fault location. 3. GIS System to locate all active fiber on a cable in a cable report. 4. GIS System to see tabular View of Splice Point connectivity via Splice report. 5. Integrated System to visualize Interactive Patch Panel and Device View. 	No. Only location information in case of fault to be provided, coupled with NMS.
151	General	General	General	<p>Kindly clarify if GOG looking into following scope of work in Fiber section, which will help us in having further clarity in designing the overall solution along with GIS Scope of work.</p> <ol style="list-style-type: none"> 1. GIS System to generate reports available for Patch Panel and splice points. 2. GIS system to show possible path in between two points based on parametetes like distance, fiber counts. 3. GIS system to generate single line diagrams for the routes and joints. 4. Integrated System capability to edit the fiber cable length and manage the fibers. 5. System to generate the reports based on fiber allocation and allocate the available fibers 	As per RFP

152	2.28 Eligibility Criteria	3	<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 of which atleast 80% should be in underground OFC laying and 20% in aerial OFC laying, 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 of which atleast 80% should be in underground OFC laying and 20% in aerial OFC laying, in last 3 years as 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 for Package B (Saurashtra)</p>	<p>Revised Eligibility Criteria of 'fibre laying experience' is changed to '80%' underground and '20%' Aerial in compare to original RFP. This revised and specific experience of 'fibre laying' will restrict competitive bidding and result in very few companies to be qualified. We are requesting to keep clause unchanged mentioned in original RFP to avail competitive bids resulting in financial benefit to GFGNL.</p>	<p>Revised Clause : "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 of which minimum 80% should be in underground OFC laying in last 3 years, as on bid submission date: Package A: 5100Kms Package B: 4900Kms 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 of which at least 80% should be in underground OFC laying in last 3 years as on bid submission date. "</p>
153	I	Note 1	<p>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.</p>	<p>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</p>	<p>For Eligibility Agreed, however if product is changed due to specific functional/technical requirement asked in this tender, then fresh TSEC certificate is required to be obtained and submitted at the time of delivery.</p>
154	III	4.3.1.2 (3)	<p>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)</p>	<p>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 ports (2x10G + 8x1G) will be there on 2 redundant NT cards (Network cards towards the backend network)</p>	<p>RFP Clause remains unchanged.</p>

155	Response to pre-bid queries	Sr. No. 239	<p>EMS Integration with NMS through NBI (North Bound Interface)</p> <p>Please refer Corrigendum RFP document.</p>	<p>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.</p> <p>WRT the pre-bid clarification response it is mentioned to refer the Corrigendum RFP. However, we could not see any references in the Corrigendum RFP document.</p> <p>We once again kindly request the tendering authority to confirm.</p>	EMS will integrate with PIA's NMS and with GIS NIS
156	Response to pre-bid queries	Sr. No. 240	EMS Client	<p>We infer that remote access to the EMS can be through Java based client is acceptable. Kindly confirm.</p> <p>WRT the pre-bid clarification response it is mentioned to refer the Corrigendum RFP. However, we could not see any references in the Corrigendum RFP document.</p> <p>We once again kindly request the tendering authority to confirm.</p>	EMS Client to be compatible with all major browsers.
157	Response to pre-bid queries	Sr. No. 241	LCT	We kindly confirm whether each OLT has to be supplied along with 1 LCT	No separate hardware for LCT is required
158	Page 38	2.28 (7)	Copy of valid Technical Specification Evaluation Certificate (TSEC) / Type Approval Certificate or copy of Application for fresh TSEC/TAC	<p>As the GPON Products specifications requested in the tender are not readily available and the OLT & ONTs are to be designed to meet the requirements of the tender. For applying a Fresh TSEC the product has to be ready. As typical new product development duration even for a prototype is 3 to 4 months, OEMs cannot apply for TSEC for next 3 months. Whereas the bid mandates the TSEC application. Hence GPON vendors will not be able to participate in the bid.</p> <p>We request to kindly relax the same and modify such that if the OEM has already TSEC certificate for any of the BBNL GPON tenders then the OEM should be eligible, however only TSEC certified products against the tender specification will be accepted at the time of supply.</p>	Agreed, however if product is changed due to specific functional/technical requirement asked in this tender, then fresh TSEC certificate is required to be obtained and submitted at the time of delivery.
159	Page No. 41	Note 3	The bidder shall supply only such network equipment which, had those equipment been supplied for any defence communication project in India, would have been acceptable to the Indian defence authorities.	Please note that there was only one Tender for GPON floated by Indian Defence and still the PO's are yet to be released by Indian Defence. Hence Please relax this condition for GPON OEMs.	This clause is applicable only for the transport layer. Rest of the equipment are governed by PMA clause

160	III	4.3.1.2 Page No. 115	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." or We kindly request the tendering authority to allow the PIA to quote 2 ONTs of 4 Ethernet port ONTs.	RFP Clause remains unchanged.
161	Page 112	4.3.1.2	Each ONT will have 1 PON port and minimum 8 Ethernet ports (1000BaseT)	We would request to confirm only 8x10/100/1000 BASE T and PON Ports are required and no other interfaces like Voice, WiFi, USB on the ONTs are required	Agreed
162	Page 141	4.4.5.7	UPS at GP shall be installed using L bracket 5ft above the floor on wall and shall not be installed in rack. 1 KVA or more Line Interactive	The requirement of UPS at GP is for minimum of hours of power backup of ONTs. The total wattage requirement for the ONTs @ GP would be 75VA maximum. So, the 1KVA requirement is very high for the ONT. The UPS to be used for powering the ONT will have AC Input and DC Output. The Specification details mentioned in this clause will be used only for the AC Operated equipments (like Desktop Computers). Whereas the ONTs are DC Operated Units. The Bypass Specification is not applicable for this type of UPS since the Output is only DC. So, we request the tendering authority to allow the PIA to provide the suitable Power backup unit to meet the tender requirements. We suggest the tendering authority to consider the following specification for the UPS - Input Voltage range: 100VAC to 250VAC; - Output Voltage range: 9.2VDC to 14.7VDC; - Battery Type: SMF, VRLA, 12V, 7Ah or above - Battery cut-off: 10.5VDC to 10.7VDC. - Minimum backup time: 2 hours on full load	Please refer revised clause in Corrigendum
163	Pg No.151 4.5.1	3	The solutions provided must migrate to open source and open standard platform after completion of project phase (without any additional cost for GFGNL)	Please Clarify	Please refer corrigendum
164		NMS	Suggestion	The NMS specification Should mention critical aspect of integration to south bound interfaces for integration of various element management system as not all the data will be actively monitored, there will be some passive data as well such as SNMP traps for centralized monitoring.	As per RFP

165	Section 2.28		Eligibility Criteria point no. 2 and 3 : 80% should be in underground OFC laying and 20% in aerial OFC laying, in last 3 years	As with such kind of project, since most of the work has emphasis on the passive infrastructure, NOC Build-up, Software, etc, with the above set criteria, the participation may be restricted to few bidders which may not bring in the value to the project and lead to disproportionate financial offers. We request removal of the criteria "atleast 80% should be in underground OFC laying and 20% in aerial OFC laying, in last 3 years" which shall enable us to participate in the bid bringing in the wide experience and value to the project from Domestic and Global experience which is the utmost criteria for successful execution of this prestigious project.	Revised Clause : "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 of which minimum 80% should be in underground OFC laying in last 3 years, as on bid submission date: Package A: 5100Kms Package B: 4900Kms"
166	Section IV: Scope of work	Clause 4.4.7	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	Only one fibre per Optical Fibre Cable will be monitored
167	Section IV: Scope of work	Clause 4.4.7	2. Size: <= 2U	It is usggested to change it to 1U Size as More Rack Space will be free for other Instruments.	RFP Clause remains unchanged.
168	Section IV: Scope of work	Clause 4.4.7	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 rectificatin 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 irrespesive of Fiber degradation	Revised Clause: OTDR dynamic range: At least 35 dB
169	Section IV: Scope of work	Clause 4.4.7	8. Wavelength support: 1625 nm , 1650 nm, 1310 nm and 1550 nm	No System can give all the wavelengths at a time As System requirement asked Live Monitoring Module also so 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)	Revised Clause: Wavelength Support: 1625nm/1650nm
170	CABLE PULLING AND JOINING/SPLICING	Clause 4.8.1.10	Route Marker details	(Please refer our letter also).We suggest you to take Electronics route Marker with memory base as they come under PMA and meets Generic requirement of TEC/GR/TX/TIE-07/02.MAR.2014 and once deployed they are easy to locate and have life span of 25 years.Where as Cement Markers may be dislocated or damaged in 1-2 years time especially in India being Growing Country , New Infrastructure is being created rapidly.	RFP Clause remains unchanged.